



Registrar

National Electric Power Regulatory Authority

Islamic Republic of Pakistan

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No. NEPRA/Director(Tech.)/LAD-01/ 5450-56

April 24, 2024

Chief Executive Officer,
K-Electric, KE House, 39-B,
Sunset Boulevard DHA- 2,
Karachi

Subject: Decision of the Authority in the matter of Investment Plan and Losses Assessment of K-Electric for Transmission and Distribution Business for Tariff Control Period from FY 2023-24 to FY 2029-30

The Authority as per provisions of Section 32 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 read with Para 23 of NEPRA Guidelines for Determination of Consumer End Tariff (Methodology and Process), 2015 approved the seven (07) years Investment plan and Losses assessment of K-Electric for Transmission and Distribution business for the Tariff Control Period from FY 2023-24 to FY 2029-30.

2. The Decision of the Authority in the subject matter along with **Annex-A to Annex-Y** (total 239 pages) is enclosed herewith for information and further necessary action, please.

Enclosure: As above

(Engr. Mazhar Iqbal Ranjha)

Copy to:

1. Secretary, Ministry of Energy (Power Division), 'A' Block, Pak Secretariat, Islamabad
2. Secretary, Cabinet Division, Cabinet Secretariat, Islamabad
3. Secretary, Ministry of Finance, 'Q' Block, Pak Secretariat, Islamabad
4. Secretary, Energy Department, Government of Sindh, 3rd Floor, State Life Building No. 3, Opposite CM House, Dr. Zai-ud-din Ahmad Road, Karachi
5. Chief Executive Officer, NTDC, 414 WAPDA House, Shaharah-e-Quaid-e-Azam, Lahore
6. Chief Executive Officer, Central Power Purchasing Agency Guarantee Limited (CPPA-G), Shaheen Plaza, 73-West, Fazl-e-Haq Road, Islamabad



**DECISION OF THE AUTHORITY IN THE MATTER OF INVESTMENT PLAN AND LOSSES
ASSESSMENT OF K-ELECTRIC FOR TRANSMISSION AND DISTRIBUTION BUSINESS FOR
TARIFF CONTROL PERIOD FROM FY 2023-24 TO FY 2029-30**

1. The Authority through this decision is approving the investment plan and losses assessment for K-Electric Limited ("KE" or "the Petitioner") for transmission and distribution business for the Multi-Year Tariff ("MYT") control period of seven years from FY2023-24 to FY2029-30.
2. In compliance with the requirements of Section 32 of the Regulation of Generation Transmission and Distribution of Electric Power Act, 1997 ("NEPRA Act") and NEPRA Guidelines for Determination of the Consumer End Tariff (Methodology and Process) 2015 ("2015 Guidelines"), KE vide its letter dated 30-01-2023 submitted investment plan and losses assessment for MYT control period of seven years from FY 2023-24 to FY 2029-30. The said document was submitted by KE with the approval of its Board of Director ("BoD"). The objectives as reflected in the submitted investment plan included the following:
 - i. Strengthening and expansion in the system at high voltage transmission network (500 kV, 220 kV, 132 kV) enabling constraints-free power evacuation from power plants/national grid.
 - ii. Enhancing and strengthening the links with the National Grid.
 - iii. Conversion/Upgradation of 66 kV network to 132 kV network in Lasbela, District Balochistan.
 - iv. Expansion in the transmission and distribution system to cater to future load requirements.
 - v. Reduction in transmission and distribution losses and improving quality of service.
 - vi. Improving Safety, Reliability, and Capacity building & training.
 - vii. Elimination of Load Shedding in KE's territory.
 - viii. Administrative measures and Commercial improvement including metering and IT development.
 - ix. Advanced Metering Infrastructure ("AMI") project implementation, SCADA pilot project on 200 feeders, etc.
3. The above-mentioned broad objectives and plans were grouped as follows:

| S. # | Major Area | Sub-Projects |
|------|---|--|
| 1 | Transmission and Grid (STG) Expansion and Rehabilitation Projects | Construction of New 500 kV, 200 kV, and 132 kV Grid Stations |
| | | Augmentation of Grid Stations |
| | | Extension of Transformer Bays |
| | | Extension of Line Bays |
| | | Erection of Transmission Lines |



| | | |
|---|--|--|
| | | Rehabilitation/Re conducting of Transmission Lines |
| | | Installation of Capacitor Banks |
| | | Provision of N-1 contingency in transmission network |
| | | Improving Safety by relocation of transmission lines from encroached areas |
| | | Reduction in transmission network losses |
| 2 | Distribution of Power | Installation of New 11 kV Lines / Feeders |
| | | Installation of New Distribution Transformers |
| | | Reinforcement of Overloaded Distribution Transformers |
| | | Installation of New LT Lines |
| | | Installation of 11 kV Capacitors |
| | | 11 kV feeder load shifting on new grid stations |
| | | Load Balancing interventions |
| 3 | Energy and Loss Reduction (ELR) Projects | Replacement of Defective Meters |
| | | Network improvement by Rehabilitation of Existing HT and LT Lines and cables |
| | | ABC program on high loss feeders |
| | | Installation of Power Factor Improvement Plants |
| 4 | Deposit Works / Consumer Financing | Installation of New 11 kV Lines |
| | | Installation of New LT Lines |
| | | Installation of New Distribution Transformers |
| | | Installation of new Grid Stations |
| 5 | Commercial Improvement Plans | Installation of AMR and SCADA |
| | | Customer Service Improvement |
| | | Anti-Theft Efforts, Smart Network (SCADA, ADMS) |
| | | Installation of IT Infrastructures, Cyber Security |

VALIDATION OF KE's 7 YEARS INVESTMENT PLAN BY CONSULTANTS:

4. The Authority noted that KE's investment plan underwent validation by two third-party consultants, namely M/s Power Planner International (PPI) and PITCO Fichtner. M/s PPI validated the transmission investment plan, while M/s PITCO Fichtner confirmed the investment plan for the distribution segment. Both consultants are PEC-approved and have extensive experience in the power sector business. The Authority, however, questioned them about their ToRs with KE and the criteria they used for the validation. The consultants responded to the queries in writing as well as during the meeting with the Authority. The details about the ToRs and the criteria followed by the consultants for validation of their respective works, combined with the Authority's view thereon, are explained in the relevant section of this decision. After a thorough analysis, the Authority has decided to broadly approve the scope of projects as confirmed by the independent consultants. Any changes made either in the cost or scope of the works are explained in the respective sections/issues of this decision.

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PUBLIC HEARING OF KE's 7 YEARS INVESTMENT PLAN

5. To fulfill the requirements stipulated in the Guidelines, 2015, to meet the ends of natural justice, and to arrive at an informed decision, the Authority decided to conduct a public hearing on the matter. Initially, the hearing was scheduled for 21-2-2023 and the hearing notices including advertisement were issued in the national dailies and hosted on NEPRA's website. However, later on, the hearing was rescheduled for 1-3-2023 upon the request of the stakeholders. The revised notice of hearing was published in newspapers on 15-02-2023 to inform the general public about the rescheduling of the hearing, and separate notices were also issued to all relevant stakeholders through letters dated 20-2-2023.
6. The public hearing was held on 1-3-2023 at NEPRA headquarters which was attended by stakeholders physically as well as through Zoom link. Post-hearing, the comments were received from Mr. Hafiz Naeem-ur-Rehman Khan of Jamat-e-Islami, Mr. Moin Muhammad Fuda, Mr. Rehan Jawed, Planning Commission of Pakistan, Korangi Association of Trade and Industry, Federal B Area Association of Trade and Industry, Korangi Chamber of Commerce and Industry, DMC Malir, Union Council Manghopir, Shaheen Industries, Muhammad Arif and others.
7. During the hearing, the petitioner was represented by its Chief Executive Officer along with its technical and financial teams. Throughout the proceedings, all pertinent issues were thoroughly discussed among the stakeholders. Drawing upon the pleadings, evidence, and arguments presented during the hearing, the Authority deliberated and provided its findings on each issue, which are given under each issue separately.

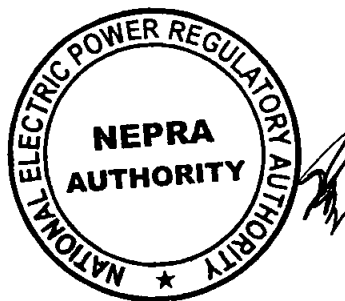
ISSUES FRAMED FOR THE PUBLIC HEARING

8. Following is the list of the issues which was approved by the Authority for the hearing on the subject matter:

Transmission Business Issues:

- i. Whether the claimed cost of Rs. 140,751 Million for growth projects in transmission Segment is justified? K-Electric is required to provide detailed cost breakup for each transmission project.
- ii. What is the rationale of the 1.4% Energy (GWh) growth projections after catering captive and solar generation during next seven years of MYT?
- iii. Whether the cost of Rs. 24,039 Million for rehabilitation projects (System Reliability) are justified?
- iv. Whether the cost of Rs. 21,952 Million for rehabilitation of transmission lines is justified? Whether, the cost of Rs. 23,228 Million for N-1 contingency provisions is justified?
- v. Whether the investment of Rs. 3,859 Million against transmission safety is justified?
- vi. Whether the cost of Rs. 7,604 Million claimed for augmentation at NKL grid station is justified?
- vii. Whether the cost of Rs. 568 Million claimed for IPPs metering is justified?
- viii. Whether the transmission losses of 1.3% claimed to be maintained during the MYT control period is justified?

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Distribution Business Issues:

- i. Whether claimed cost of Rs. 37,105 Million for growth projects in distribution Segment is justified?
- ii. Whether the claimed cost of Rs. 64,622 Million for energy loss reduction program is justified?
- iii. Whether the claimed cost of Rs. 19,933 Million for rehabilitation of existing LT ABC is justified? What is the criteria and rationale of rehabilitation /replacement of existing LT ABC? What is the useful life of ABC cables which are being replaced/rehabilitated?
- iv. Whether the cost of Rs. 15,279 Million claimed for network rehabilitation program is justified?
- v. Whether the claimed cost of Rs. 40,496 Million for maintenance of distribution network is justified?
- vi. Whether the investment of Rs. 25,858 Million against distribution Safety is justified?
- vii. Whether the distribution loss reduction of 2.3% during MYT control period i.e. from 13.8% in FY24 to 11.5% in FY30 is justified?

Other Issues:

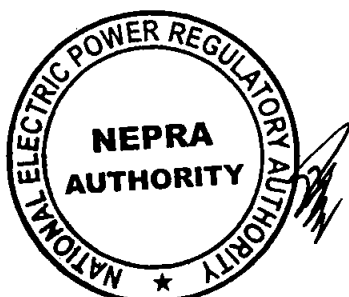
- i. Whether the claimed cost Rs. 9,682 Million for SCADA upgradation is justified?
- ii. Whether the claimed cost of Rs. 5,701 Million for AMR coverage and digitization of customer's services is justified? Whether the AMR coverage on distribution transformer (PMT) level is only for monitoring the consumption or it has control/ remote connection and disconnection features as well at PMT level?
- iii. Whether the cost of Rs. 10,828 Million for Advanced Distribution Management System (ADMS) and Meter Data Management System (MDMS) pilot project is justified?
- iv. Whether the cost of Rs. 18,514 Million for IT & Other improvement Plan is justified?

COMMENTS AND INTERVENTION REQUESTS:

9. In response to the notice of hearing, Mr. Muhammad Arif Bilwani submitted an intervention request dated 20-02-2023 on the matter. Moreover, the comments were submitted by National Transmission and Despatch Company ("NTDC,") Mr. Muhammad Asad, and Mr. Muhammad Awaiz Thanvi.

PRINCIPLES OF APPROVALS AND INDEXATIONS:

10. In addition to the findings of the Authority under each issue, it was noted that several fundamental principles apply to each case, such as the treatment of indexation/escalation of local costs, foreign costs, IDC (Interest During Construction), contingencies, custom duties, among others. Therefore, the main principles governing the calculation and adjustments of project cost components are detailed in the following paragraphs.
11. The investments of each project as claimed by KE and being approved by the Authority in this decision is bifurcated in terms of base costs of the projects and other adjustable factors. The adjustable factors i.e. Escalation, Custom Duties, IDC, Contingencies, and any other head which



is over & above the base cost are just notional numbers and shall be adjusted at the time of annual Tariff adjustments as per the given mechanism. The base cost is further bifurcated into Foreign (FCC) and Local (LCC) components. The basis of approval and indexation of these cost components is explained below:

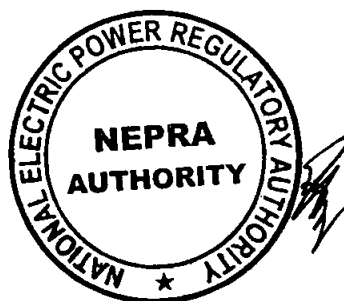
FCC and LCC:

12. These two components reflect the estimated expenses of each project, and generally cover the costs of material, civil works, installation, and testing for the projects. The costs being validated by the consultant have generally been taken into account. However, the difference in approvals, where applicable, have been explained in the relevant issue/section.

Escalations for FCC and LCC Components:

13. Under this head, the estimated increase of the FCC and LCC components has been indicated. This cost head shall be adjusted to account for the variations being allowed on the FCC and LCC components of the projects. The FCC has been escalated by 5% and the LCC has been escalated by 8% for the year 2 and onwards.
14. The amount of base cost investment, which is in foreign currency (FCC), shall be considered as maximum cap, subject to exchange rate variations only and that too only for the time period allowed for completion of such investments in this decision. In case the petitioner is able to complete the investment earlier than the allowed completion time, then actual time period will be considered for allowing exchange rate variations. For the purpose of exchange rate variations, the reference exchange rate is Rs.206/USD. In case of delay in the completion of the project(s), no exchange rate variation or any other adjustment shall be given beyond the allowed completion period against each project. The revised exchange rate shall be the average of 12 monthly exchange rates (last available rate for each month), for the respective year or the construction period whichever is earlier. The amount being allowed shall be subject to adjustment in light of Audit/Monitoring by 3rd party.
15. The amount of base cost investment, which is in local currency (LCC), shall be considered as maximum cap, subject to CPI indexation only and that too only for the time period allowed for completion of such investments. In case the petitioner is able to complete the investment earlier than the allowed completion time, then actual time period will be considered for allowing CPI indexations.
16. For the purpose of CPI indexations, the reference CPI is Average of financial year 2022. The revised CPI shall be the average of the 12 monthly CPIs for the respective year (last available rate for each month). In case of non-completion of the required investment within the allowed timelines, no CPI indexation or any other adjustment shall be allowed beyond the prescribed time period. The amount being allowed shall be subject to adjustment in light of Audit/Monitoring by 3rd party.

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Cost of Land Acquisition and RoW Compensation for Transmission Projects:

17. KE has claimed the cost of land acquisition and RoW compensation for different grid stations and transmission lines based on projections made by the real state department of K-Electric. After detailed consideration, the Authority has decided to provisionally allow the requested land and RoW cost, which will be accounted for downward adjustments only, on the basis supported by evidence/proofs of purchase of land for grid stations and payments of RoW compensation by K-Electric for the satisfaction of the Authority.

Contingency and Other Costs for Transmission Projects:

18. KE had claimed an average of 10% as contingency, and 5% as consultancy & Admin cost for its transmission projects. In this regard, the contingencies shall be worked out on the FCC and LCC being approved in this decision and not applicable on the adjusted/indexed numbers. The Authority has decided to include a 3% contingency factor, to be applicable on transmission projects envisaged between the 2nd and 7th year of the MYT control period. Further, the consultancy & admin charges have been adjusted at a level of 2%, to be applicable on transmission projects during the MYT control period of 7 years. This approach has been adopted similar to the XWAPDA DISCOs-approved investment plans for consistency purposes. The Authority has decided that contingency and other cost shall be adjusted at actual, subject to verification as per the Audit/Monitoring by 3rd Party.

Custom Duties:

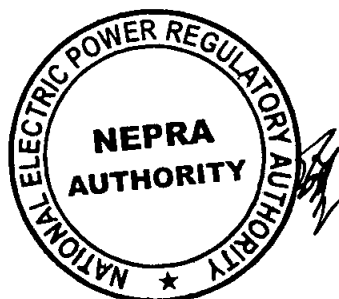
19. KE has claimed customs duties at the rate of 15% on the FCC of the transmission projects. The Authority has decided to include customs duties at the rate of 8% of the FCC, as already done in the matter of the PMLTC HVDC transmission line project. The custom duties shall be allowed as per actual, subject to the certification provided by KE to the correctness and legitimacy of the claimed amount. Additionally, the amount shall be subject to approval and adjustments in light of Audit/Monitoring by 3rd party.

Interest During Construction (IDC):

20. KE has claimed the cost of IDC at the rate of 20%, which the Authority has decided to include on provisional basis in this decision. The IDC shall be allowed only for the allowed completion period and shall be worked out based on the cost of debt, to be allowed by the Authority in the tariff determination. The amount of IDC shall be subject to adjustment in light of Audit/Monitoring by 3rd party. For example, the project spreading over 3 years of construction shall be entitled to the IDC of a maximum of 3 years. For clarity, it is added that the late injections during any financial year shall not entitle the Petitioner to claim IDC for more financial years than specified in this decision.
21. In case of rescheduling any project(s) to some later date against the timelines being approved in this decision, KE shall have to inform the Authority six months prior to the financial year in which the project(s) was to commence its construction. Upon satisfaction of the Authority of the reasons for rescheduling, KE shall be entitled to the prescribed indexations in later years, without any change in allowed construction time. If information is not provided by the given timeline, KE will receive the IDC of the project(s) for the period allowed in this decision, limited to the project's progress during that time.

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Quarterly Monitoring of the Allowed Investments:

22. The Authority has decided to appoint a third-party audit/monitoring firm to perform quarterly audit/monitoring of KE's approved investment plan. The firm shall be responsible for examining and verifying the fairness and prudence of CAPEX claims and other adjustments of KE against various allowed projects to be implemented during the MYT control period 2024-2030 as per the approved investment plan of KE keeping in view the best practices of power utilities and established principles of the operations.
23. Based on the above, the issue wise submissions made by KE in public hearings, pre and post-public hearing comments of stakeholders, and analysis are discussed below.

Issue # 01: Whether the claimed cost of Rs. 140,751 Million for growth projects in the transmission Segment is justified? K-Electric is required to provide a detailed cost breakup for each transmission project

SUBMISSIONS OF PETITIONER:

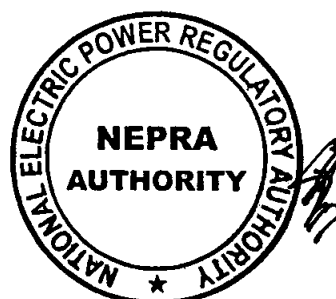
24. The Petitioner in its investment plan has submitted that growth projects are planned to meet the future load growth of the customers of KE. KE briefed the Authority that there is a total of 14 projects included in the category of growth projects against a total cost of Rs. 140,751 Million in MYT control period from FY 2023-24 to FY 2029-30. Out of this total amount, Rs. 85,053 Million has been claimed for the growth projects related to Grid Stations, and Rs. 55,699 Million has been claimed for transmission line projects. The summary of requested CAPEX under the head of transmission growth projects is as under:

| Description | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Total |
|---|--------|--------|--------|--------|--------|--------|--------|---------|
| New 220/132 kV Grid and Allied T/Line | 2,948 | 4,913 | 21,976 | 12,870 | 17,051 | 4,502 | 1,801 | 66,059 |
| 220 kV DHA-4 G/S | - | - | - | - | 2,751 | 4,502 | 1,801 | 9,053 |
| 220 kV Landhi G/S | 2,948 | 4,913 | 11,792 | - | - | - | - | 19,653 |
| 220 kV Ziauddin G/S | - | - | 10,184 | 12,870 | 14,300 | - | - | 37,353 |
| Augmentation / Rehabilitation | 4,342 | 1,745 | 1,745 | 1,755 | 1,063 | - | 605 | 11,256 |
| Auto Transformers | - | 1,745 | 1,745 | 1,755 | - | - | - | 5,245 |
| Power Transformers | 3,074 | - | - | - | 1,063 | - | 605 | 4,743 |
| GSMO/TRN Special Projects (Rehab of 132 kV Lines | 1,268 | - | - | - | - | - | - | 1,268 |
| New 132 kV Grids and Allied T/Line | 594 | 9,349 | 8,179 | 5,458 | 10,618 | 5,856 | 1,648 | 41,701 |
| HOSPITAL – 2 | - | - | - | 241 | 4,595 | 2,845 | - | 7,681 |
| K. CENTRAL – 1 | - | 4,864 | 3,204 | - | - | - | - | 8,068 |
| KKI | - | - | 3,360 | 5,081 | - | - | - | 8,441 |
| LILO STDC Interconnection | 594 | - | - | - | - | - | - | 594 |
| MALIR – 2 | - | - | - | 135 | 3,421 | 1,604 | - | 5,160 |
| MAYMAR – 2 | - | - | - | - | 2,603 | 1,407 | 563 | 4,572 |
| SITE – 2 | - | 4,486 | 1,615 | - | - | - | 1,085 | 7,186 |
| Upgradation of HVUB transmission network from 66 kV to 132 Kv | 7,081 | 14,653 | - | - | - | - | - | 21,734 |
| Total Growth Projects | 14,965 | 30,661 | 31,899 | 20,082 | 28,732 | 10,357 | 4,054 | 140,751 |

25. KE stated that through the implementation of this investment plan, it would be able to achieve the following in the transmission sector:

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- i. Addition of 450 km of transmission lines
 - ii. Addition of 13 new grid stations
 - iii. Transformation Capacity Enhancement of 755 MVA at 132 kV voltage level
 - iv. Transformation Capacity Enhancement of 3,800 MVA at 220 kV & above voltage level
26. KE was further directed to provide the detailed scope, timelines and component wise cost bifurcation against each transmission growth project which K-Electric has submitted as per attached **Annex-A**.
27. The petitioner further explained that Karachi's coastal location and high humidity cause rapid corrosion in the AIS grid, leading to more outages and maintenance. The land scarcity in Karachi also poses challenges for infrastructure development. Additionally, AIS grids require more space and upkeep than GIS grids. Consequently, KE has decided to opt for GIS grid stations in their current investment plan.

COMMENTS OF STAKEHOLDERS:

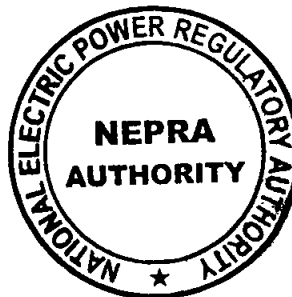
28. KE needs to look at the latest technologies to ensure optimal use of land, opt for compact solutions, and focus on underground networks in densely populated areas. Further, it must be ensured that the transmission investment caters to the existing and future load growth of the mega city. Moreover, grids are also required to increase the capacity of the interconnection of Karachi with the national grid. It was also suggested to carry out an audit of previous investments for the tariff control period from FY 2017 to FY 2023 by NEPRA, and also to appoint third-party experts/consultants for review of the instant investment plan for the tariff control period from FY 2024 to FY 2030.

OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY

29. It is noted that KE owns, operates, and maintains a transmission network of 220kV, 132kV, and 66kV. As of June 2022, the following are the details of the existing transmission network of KE at 220kV, 132kV, and 66kV:
- i. 10 Nos. of 220kV Grid stations
 - ii. 58 Nos. of 132kV Grid stations
 - iii. 3 Nos. of 66kV Grid stations
 - iv. Transformation capacity: 6,803 MVA (Power Transformers) and 4,600 MVA (Auto Transformers)
 - v. 364km of 220kV Transmission lines
 - vi. 838km of 132kV Transmission lines
 - vii. 153km of 66kV Transmission lines
30. The Authority observed that KE is planning to increase the number of grid stations, and transmission lines. Additionally, the augmentations & extensions of the existing infrastructure have also been presented by KE. This includes 13 new grid stations, the addition of a 450 km transmission line, 755 MVA enhancement in power transformer capacity, 2000 MVA Autotransformer capacity enhancement at 220 kV level, and 1,800 MVA of transformer capacity enhancement at 500 kV level.

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31. The following table provides a summary of transmission lines and grid stations projects claimed by KE under the head of transmission growth projects.

Million Rs.

| Description | Material Cost | Civil Works | Testing & Installation | Cost Components | | Land | Escalation | | Contingency & Others | Custom Duty | IDC | Total |
|-------------------------------------|---------------|---------------|------------------------|-----------------|---------------|---------------|--------------|--------------|----------------------|--------------|---------------|----------------|
| | | | | FCC | LCC | | FCC | LCC | | | | |
| Grid Stations | 20,120 | 7,535 | 264 | 20,087 | 7,833 | 18,170 | 2,201 | 1,653 | 4,739 | 3,343 | 9,966 | 67,991 |
| T/Line Lines | 18,627 | 2,681 | 2,052 | 17,595 | 5,765 | - | 1,907 | 1,255 | 3,851 | 2,898 | 9,314 | 42,585 |
| 220 kV KKI and HVUB Projects | | | | | | | | | | | | |
| 220 kV KKI Grid | 1,367 | 801 | 25 | 1,632 | 562 | - | 179 | 119 | 374 | 272 | 620 | 3,756 |
| 220 kV KKI T/Line | 1,878 | 510 | 347 | 2,068 | 667 | - | 227 | 141 | 465 | 344 | 773 | 4,685 |
| HVUB Grids | 6,753 | 2,519 | 146 | 5,548 | 3,870 | - | - | - | 1,130 | 832 | 1,926 | 13,306 |
| HVUB T/Line | 3,669 | 1,109 | 1,017 | 2,523 | 3,272 | 244 | - | - | 1,034 | 378 | 1,220 | 8,428 |
| Grand Total | 52,414 | 15,155 | 3,851 | 49,453 | 21,969 | 18,414 | 4,514 | 3,168 | 11,593 | 8,067 | 23,819 | 140,751 |

32. The Authority has also noted that the scope and cost estimates for the transmission projects submitted by K-Electric (KE) have been validated by the "Long Term Transmission Network Study up to 2030." This study was conducted by an external consultant, Power Planner International (PPI), specifically for KE's network. Despite, the validation from third party a thorough analysis has also been carried out by the Authority on the submitted investment requirements.
33. The Authority has reviewed KE's rationale for installing GIS grid stations and agrees with it. The GIS grid stations will help reduce environmental stress on equipment from factors like humidity, pollution, and salinity, while also requiring less land as compared to AIS grid stations.
34. Concerning the comment that the transmission investment should cater to load growth requirements, it is noted that growth projects are primarily demand-driven projects. In the instant case, KE has estimated a yearly demand growth rate of 2.4% to justify the proposed investment. Further, according to KE, if the demand turns out to be higher or lower than expected, the timing of these projects may need to be adjusted to match the actual demand. KE submitted that this will help ensure that the resources are used efficiently and the customers are not burdened with the cost of non-utilization of assets.
35. Regarding the comment about the review/audit of the previous investments, the Authority noted that the mid-term review of previous investments has already been conducted by NEPRA on completion of the mid-term period i.e. from July 2017 to December 2019. The mid-term review proceedings were participated by the general public and all stakeholders and the decision thereof is available on the NEPRA's website which was issued on 01-03-2022. In addition to the above, the end-term review has also been filed by KE from January 2020 to June 2023 which is under process with the Authority and will be completed taking on board all the stakeholders.
36. The Petitioner informed that the grid and transmission lines cost is based on the bids received in April 2021 from M/s Siemens and JV (M/s BES-FCL-MECONS) respectively. On those prices, KE employed the escalation factors of 11% on the Foreign Cost Component (FCC) and 4% on

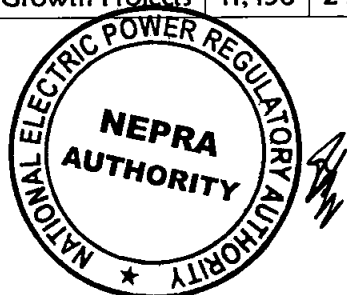
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the Local Cost Component (LCC). Essentially, KE has escalated the bid prices received in April 2021 up to June 2022 based on macroeconomic indicators i.e. exchange rate of PKR 206 / USD on June 30, 2022, and CPI of FY 2021-22. The Authority reviewed KEL's costs for 2021 and after detailed analysis, it is found they are comparable to the prices in the first half of 2022. As a result, the Authority has decided to approve KEL's 2021 costs, which shall be considered at the level of June 2022.

37. It is noted that KE has claimed an amount of Rs. 18,414 Million in the head of land acquisition and RoW compensation cost for grid stations and transmission lines. According to KE, the claimed cost of land is based on projections made by the real state department of K-Electric. It was observed that in some instances the claimed cost of land is higher than the material cost of grid stations including civil works, installation, and testing. Nevertheless, the Authority has deliberated on this matter and decided to provisionally allow the requested land acquisition cost for grid stations. The allowed cost of land will be accounted for downward adjustments only, on the basis supported by evidence/proofs of purchase of land by K-Electric for the satisfaction of the Authority.
38. It is important to mention here two (02) projects namely (i) Hub, Vinder, Uthal, Bela ("HVUB") project and (ii) 220/132 kV KKI grid station. Whilst these projects were approved in the MYT 2016-23, KE had also included them in the instant investment plan. The Petitioner explained the reasons (ROW issues, delay in regulatory decision, change in scope, and others) for the delay of these projects and the consequent additional impact on their costs. For the HVUB project, the Authority hereby decided to allow an additional amount to the extent of Rs. 8,000 Million and Rs. 244 Million for ROW, while agreeing with the contentions of KE for the increase in cost due to the delay in getting RoW from GoB, combined with the change in scope for the project. This issue is further explained in detail at para 256 – 261 of this decision. Further, the earlier allowed amount of Rs. 7,325 Million shall be adjusted in the end-term review and the leftover amount shall be reflected and dealt with in the instant investment plan.
39. Regarding the 220/132 kV KKI grid station, the Authority has decided to approve about Rs. 8,400 Million, after satisfying itself that the scope of the instant project is completely new, which was not covered in the investments approved for KE for the previous period. This issue is further explained in detail at para 256 – 261 of this decision. Further, the earlier allowed amount of Rs. 26,428 Million for the 500kV KKI grid shall be adjusted in the end-term review, and the leftover amount shall be reflected and dealt with in the instant investment plan.
40. Keeping all the above in view, the Authority decided to approve an investment of Rs. 120,805 Million under the head of Transmission Growth Projects as per the following details:

Approved Investments for Transmission Growth Projects (Million Rs.)

| Description | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|-----------------------|--------|--------|--------|--------|--------|-------|-------|---------|
| Grid Stations | 9,162 | 21,985 | 18,894 | 7,136 | 14,545 | 5,443 | 2,529 | 79,694 |
| Transmission Lines | 2,294 | 2,939 | 10,014 | 10,665 | 10,962 | 3,341 | 897 | 41,112 |
| Total Growth Projects | 11,456 | 24,924 | 28,908 | 17,801 | 25,507 | 8,784 | 3,426 | 120,805 |



41. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 120,805 Million along with major scope of work and timelines of the transmission growth projects are attached as Annex-B.

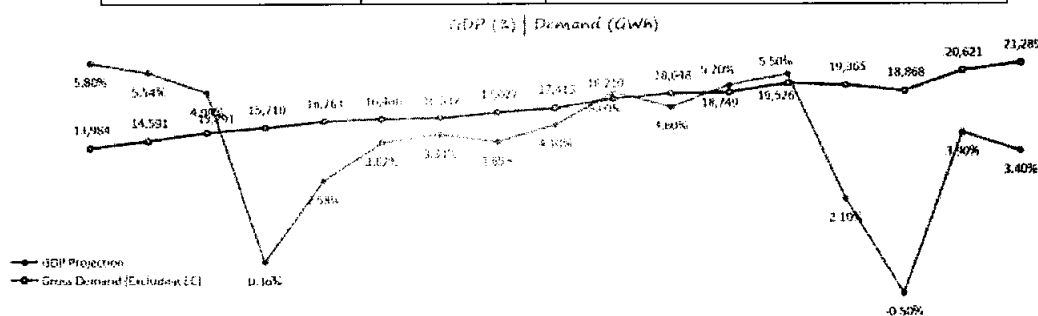
Issue # 02: What is the rationale of the 1.4% Energy (GWh) growth projections after catering captive and solar generation during the next seven years of MYT?

SUBMISSIONS OF THE PETITIONER:

42. The detail of peak demand growth, energy growth, consumer growth, and elimination of load shedding for a seven-year MYT control period was submitted by KE in its investment plan which is attached at Annex-C.
43. KE in its investment plan has submitted that the demand has been forecasted based on the cumulative average growth rate ("CAGR") of historical data sets by considering various sample periods of 7 years between FY 2006 to FY 2022, as shown below.

GDP growth vs Demand Growth in KE network

| Period | GDP Growth | Avg. Demand Growth Rate (CAGR) |
|-------------------|------------|--------------------------------|
| FY 2006 – FY 2013 | 3.5% | 2.8% |
| FY 2009 – FY 2015 | 3.8% | 2.5% |
| FY 2014 – FY 2021 | 3.7% | 2.4% |
| FY 2015 – FY 2022 | 3.4% | 2.4% |



44. As shown above, according to KE, its CAGR against various numbers of macroeconomic growth parameters is in the range of 2.4% to 2.8%. The Petitioner stated that considering the addition to the system through new connection and organic growth and analyzing different periods of macroeconomic growth & corresponding demand growth of KE, it has opted for a historical CAGR of 2.4% as a prudent approach for the next 7 years from FY 2023-24 to FY 2029-30. Moreover, KE intimated that this is the optimum growth projection viz-a-viz investment claimed; higher growth projections would result in high investment scenarios.
45. In addition to the above, the Petitioner while discussing the growth rates (based on which the sent-out target of 22,539 GWh for FY 2030 has been claimed by KE in its petition) clarified that in the event of actual sent-out units are recorded as higher than claimed target then its benefit shall be passed on to the consumers and thus this will have favorable impact for consumer end tariff. KE also pleaded to make its tariff model consistent with that of DISCOs

viz-a-viz sent out target. Moreover, KE also provided the following breakup of tentative units to be generated by its own power plant and power purchased from national grid.

Breakup of tentative units generated by KE in next 7 years

| Plant | Unit | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 |
|-----------|------|--------|--------|--------|--------|--------|--------|--------|
| KE & IPPs | GWh | 9,631 | 7,851 | 8,441 | 10,322 | 10,698 | 13,751 | 14,106 |
| NTDC | GWh | 10,301 | 12,706 | 12,612 | 11,156 | 11,150 | 8,457 | 8,433 |
| Total | GWh | 19,932 | 20,558 | 21,052 | 21,478 | 21,848 | 22,208 | 22,539 |

COMMENTS OF STAKEHOLDERS:

46. The representative from the Planning Commission highlighted that instead of using the overall GDP of the country, Karachi's specific GDP projections be used. Further, 1.4% of energy growth needs to be reviewed.

OBSERVATION/ANALYSIS AND DECISION OF THE AUTHORITY:

47. It is observed by the Authority that Clause DPC-5 of the Distribution Code stipulates various methodologies of demand forecasting and the distribution licensees are obligated to prepare each year medium-term load forecast (MTLF) for five years, based on any of the following methodologies:
- (a) historical population and load growth analysis
 - (b) land use and zoning methods
 - (c) end-use energy methods
 - (d) any other reasonable and justifiable method
48. KE has used historic load growth analysis during the different tenures between FY 2006 to FY 2022. Therefore, the Authority is of the view that KE complies with the provisions of the Distribution Code as far as the methodology of the demand forecast is concerned.
49. Concerning comments of the Planning Commission using GDP projections of Karachi instead of the overall country, it is apprised to the Authority by KE that such projections are not available. Further, a planning commission representative was requested through emails/ letters dated 13-4-2023, 11-4-2023, and 17-3-2023 for the provision of GDP figures of Karachi, however, no response was provided by the planning commission.
50. The Petitioner has submitted that its CAGR of demand has been in the range of 2.4% to 2.8% versus the CAGR GDP range of 3.4% to 3.8%. This shows that over different periods of economic growth, the demand growth rate has typically been lower than the GDP growth rate and has stayed below 3%. The Authority also noted that the projected GDP growth as per the approved IGCEP is 4.3%. If KE were to base its investment plan at 4.3% as per IGCEP, as against the historic growth rate of 2.4% in power demand (on a CAGR basis), then KE would have to plan network expansion and capacity enhancement projects much earlier than it has planned currently under the load flow study. This will possibly require more investment, and in the event these levels are not attained, this may lead to the risk of idle assets in the event actual growth turns out lower. Consequently, the customers shall be burdened due to the pass-

through of the cost of underutilized assets/networks. The Authority also noted that Pakistan's economy and industry are facing a hard time at the moment. The GDP growth rate during FY 2023 was about 0.3%, and the GDP growth rate during FY 2024 is expected to remain lower than 2%. On this basis, achieving a CAGR of 3% and above in the instant tariff control period may be challenging.

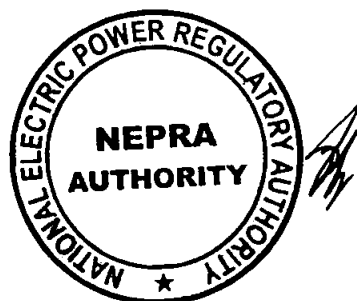
51. According to KE, it has proposed new grids only after exhausting all other options such as new feeder addition in the existing grid, the possibility of power transformer addition in the existing grid, and load balancing of existing 11 kV feeders and power transformers.
52. The peak demand for which KE is planning its network will account for 5,111 MW by 2030. Further, it was also apprised by KE that due to such network expansions there will not be any constraints/forced load shedding either in transmission or in distribution networks. While analyzing the above submission of KE it is noted by the Authority that the major takeaway of growth projections is 95% load-shed-free Karachi by FY 2030.
53. It is also noted by the Authority that the investments in the transmission network in the tariff control period from FY 2023-24 to FY 2029-30 have been proposed in such a manner that the transmission system will be without any constraints/overloading even on N-1 contingency. Therefore, the Authority believes that the transmission system is likely to cater to growths higher than 2.4% base demand and is likely able to cater to loads between 7,000 to 8,000 MW in normal conditions as tabulated below:

Transformation Capacity of KE in next 7 years

| Description | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total Additions |
|-------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|-----------------|
| Peak Demand (MW) | 4,165 | 4,350 | 4,478 | 4,597 | 4,720 | 4,834 | 4,977 | 5,111 | - |
| Auto Transformer MVA 500Kv | - | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 |
| Auto Transformer MVA 220kV | 5,000 | 5,000 | 5,250 | 5,750 | 6,250 | 6,750 | 6,750 | 7,000 | 2,000 |
| Power Transformer MVA | 6,977 | 7,111 | 7,211 | 7,451 | 7,451 | 7,491 | 7,611 | 7,732 | 755 |
| Distribution Capacity – MVA | 8,685 | 9,159 | 9,499 | 9,855 | 10,231 | 10,629 | 11,046 | 11,470 | 2,311 |

54. In view thereof, the Authority is of the view that KE's projections comply with the prescribed methodology as given in the Distribution Code, and seem reasonable based on historical trends, therefore, the same has been agreed by the Authority. The mechanism for adjustments of actual energy/demand parameters against projected numbers shall be decided in the tariff determination of K-Electric. The Authority appreciates KE's plans to eliminate load shedding from 95% of feeders by 2030, however, the Authority directs KE to abide by NEPRA applicable documents as well as directions of the Authority issued from time to time regarding load shedding. Further, the Authority directs KE to meet peak demand up to 5,111 MW as claimed in its investment plan.

7



Issue 3: Whether the cost of Rs. 24,039 Million for rehabilitation projects (System Reliability) are justified?

PETITIONER'S SUBMISSIONS

55. The Petitioner claimed that it requires Rs. 24,039 Million for routine corrective and preventive maintenance activities on the existing system. The details of major activities in this head is given below:

| Claimed Cost and Scope for Transmission Maintenance, Protection and Operation | | |
|---|-------------|--|
| Project | Cost Mln Rs | Details |
| Grid Station Maintenance, Protection and Operation (GSMOP) | 14,253 | Includes replacement of several aged equipment which includes; 11kV Switchgears, Overhauling of GIS bays, Power Transformers, Relays equipment, battery charger, current & voltage transformers, control panels, breakers, capacitors and civil works. |
| Overhead Transmission Line Maintenance | 4,754 | Includes RTV coating, replacement of cable/conductor/insulators, and replacement of composite insulators and installation of damper spacers. |
| SCADA Maintenance | 2,951 | To maintain SCADA system. Main equipment includes; cards, switches, gateway, marshalling system, Barco wall, modules, DRC servers application, server UPS and others. |
| Telecom Maintenance | 1,434 | It includes upgradation of SDH/PDH System Installation/Services/Spares, OPGW Cable / Services / CRO, Cell / Battery / Charger and PABX System/Services/Spares. |
| Underground Maintenance | 646 | It includes Cable / Termination / Joint & Accessories, Cable Replacement Project, Solid / Cross Link and Other Material and services. |

56. KE was further directed to provide the project wise scope of work, cost breakup and timelines of the projects under the head of transmission system reliability projects which are attached at Annex-D.

COMMENTS OF STAKEHOLDERS:

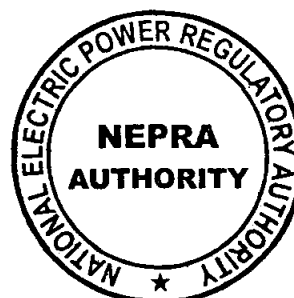
57. The maintenance and attending the faults are much better in KE as compared to DISCOs. The transformation is visible viz-a-viz fault attendance and maintenance, compared with KESC under government control.

OBSERVATION/ANALYSIS & DECISION OF THE AUTHORITY:

58. After a detailed review, it is noted by the Authority that the works as claimed by KE for GSMPO are very critical for the reliability and continuity of power supply. These works are aimed at the replacement of aged material which includes 11kV Switchgears, overhauling of GIS bays, Power Transformers, Relays equipment, battery chargers, current & voltage transformers, control panels, breakers, capacitors, and civil works.
59. Similarly, the Authority observed that the investments aimed at the rehabilitation of existing transmission lines are also very critical to protect the lines from the adverse impact of environmental stress. The works such as RTV coating, replacement of cable/conductor/insulators, replacement of composite insulators, and installation of damper spacers are very critical for system reliability and availability of transmission network.

2

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60. Regarding, SCADA, Telecom and Underground Maintenance works the Authority is of the considered opinion that these are mainly of routine maintenance, upkeep, and maintenance of necessary spares nature and may be made part of the O&M in the tariff petition for consideration of the Authority.
61. To sum up, the Authority keeping in view the validation of the third-party consultant i.e. M/s PPI has decided to allow the requested amount of Rs. 19,007 Million to KE for Grid Stations and Transmission Lines Maintenance, Protection, and improvement to ensure the overall system reliability as well as continuity of supply. The details of the allowed investment are given below:

Approved CAPEX for Grid Station & Transmission Lines Maintenance and Protection (Million Rs.)

| Material Category | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Grid Station Maintenance & Protection | 2,050 | 2,586 | 2,363 | 2,423 | 1,894 | 1,625 | 1,312 | 14,253 |
| Transmission Lines Maintenance and Protection | 1,016 | 1,200 | 850 | 487 | 405 | 441 | 355 | 4,754 |
| Total - Transmission System Maintenance & Protection | 3,066 | 3,786 | 3,213 | 2,910 | 2,299 | 2,066 | 1,667 | 19,007 |

62. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 19,007 Million along with major scope of work and timelines of the transmission system reliability projects are attached as Annex-E.

Issue # 4: Whether the cost of Rs. 21,952 Million for the rehabilitation of transmission lines is justified? Whether the cost of Rs. 23,228 Million for N-1 contingency provisions is justified?

SUBMISSION OF PETITIONER

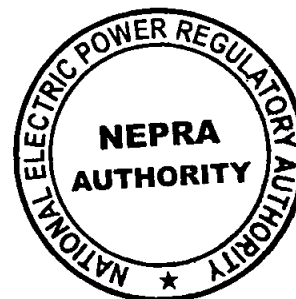
63. The petitioner submitted an overall investment requirement of Rs. 45,180 Million, comprising of Rs. 21,952 Million against Transmission Rehabilitation Works and Rs. 23,228 Million for provision of N-1 contingency. According to KE, these works are planned so that N-1 contingency provisions are compiled as per provisions of the Grid Code throughout the MYT control period from FY 2024 to FY 2030. These rehabilitation/augmentation works are categorized as follows:

- Addition of new transmission lines to meet N-1 contingency provisions and ensure network loading within technical limits in N-1 contingency events.
- Rehabilitation/augmentation of existing N-1 transmission lines to avoid overloading in case of N-1 contingency.
- Augmentation/replacement of power transformers, underground OFC cables, other works, etc.

Addition of New Transmission Lines for N-1 Contingency Compliance:

64. KE submitted that to reduce congestion and enhance the reliability of the transmission network, an amount of Rs. 9,342 Million is required for the addition of new transmission lines to meet N-1 contingency provisions. The details of transmission line additions, as provided by the Petitioner are given below:

2





- Construction of New 132KV T/L from Landhi to K-South Grid Station in FY 2030 with an estimated capex of 2,882 million.
- Construction of 132kv S/C T/L from KTPS to Korangi South G/S in FY 2025 with an estimated capex of 797 million.
- Construction of New 220KV LILO Dhabeji – New Port Qasim at Thermal Power Plant in FY 2027 with an estimated capex of 4,162 million.
- Taking over 132kv KTPS / Qayyumabad from NTDC for reliable evacuation of 200MW power from KTPS.

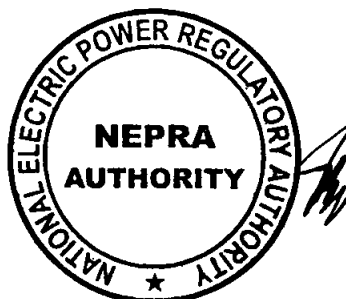
| Sr | Transmission Line | Material, Civil, Installation, etc | Cost Components | | Escalation | | Contingency and Others | Custom Duty | IDC | Total |
|----|------------------------------------|------------------------------------|-----------------|--------------|------------|------------|------------------------|-------------|--------------|--------------|
| | | | FCC | LCC | FCC | LCC | | | | |
| 1 | D/C NPQ - DHABEJI , 13 km | 2,355 | 1,781 | 574 | 195 | 121 | 401 | 296 | 793 | 4,162 |
| 2 | S/C KTPS-K – South, 6 km | 452 | 342 | 110 | 37 | 23 | 77 | 57 | 151 | 798 |
| 3 | S/C Landhi from K. South G/S, 8 km | 1,737 | 1,313 | 424 | 144 | 89 | 296 | 219 | 398 | 2,882 |
| 4 | 132kv KPC-Qayyumabad T/L | 1,500 | - | 1,500 | - | - | - | - | - | 1,500 |
| | Grand Total | 6,044 | 3,436 | 2,608 | 376 | 233 | 774 | 572 | 1,342 | 9,342 |

Rehabilitation/augmentation of existing transmission lines to avoid overloading in case of N-1 contingency:

65. KE under the head of System Improvement / Reliability has claimed an investment of Rs. 21,952 Million for rehabilitation/augmentation of transmission lines which will be overloaded in case of N-1 contingency. The Petitioner stated that the upgradation of existing transmission lines is planned to avoid transmission system congestions and meet the load requirements on N-1 contingency as given in the following table:

| Sr | Transmission Lines | Cost of Material, Civil, Installation, etc. | Cost Components | | Escalation | | Contingency and Others | Custom Duty | IDC | Total |
|----|----------------------------------|---|-----------------|--------------|--------------|------------|------------------------|--------------|--------------|---------------|
| | | | FCC | LCC | FCC | LCC | | | | |
| 1 | Rehab 220 kV DC OH Lines, 16 km | 1,198 | 906 | 292 | 99 | 62 | 204 | 151 | 290 | 2,004 |
| 2 | Rehab 132 kV SC OH Lines, 152 km | 4,476 | 3,384 | 1,091 | 371 | 230 | 762 | 563 | 1,084 | 7,485 |
| 3 | Rehab 132 kV DC OH Lines, 5km | 196 | 148 | 48 | 16 | 10 | 33 | 25 | 47 | 327 |
| 4 | Rehab 220 kV DC UG Cables, 8km | 4,515 | 3,414 | 1,101 | 374 | 232 | 768 | 568 | 1,093 | 7,550 |
| 5 | Rehab 132 kV SC UG Cables, 13 km | 2,742 | 2,073 | 669 | 227 | 141 | 466 | 345 | 664 | 4,585 |
| | Total Rehab Lines | 13,126 | 9,925 | 3,201 | 1,087 | 675 | 2,233 | 1,652 | 3,178 | 21,952 |

66. Further, the segregation of costs for rehabilitation/augmentation of existing 132 kV and 220 kV transmission lines to ensure an N-1 contingency-compliant network is given in Annex-F.



Augmentation/replacement of power transformers, underground OFC cables, and other works for N-1 compliance:

67. KE has claimed an investment of Rs. 13,886 Million for the replacement of various equipment at grid stations that have completed useful life to ensure system security and availability and ensure N-1 compliance of Grid Code. The summary of these works is given below:

| Project | Cost of Material, Civil, Installation, etc. | Cost Components | | Escalation | | Cont. and Others | Custom Duty | IDC | Total |
|-------------------------------------|---|-----------------|-------------|------------|------------|------------------|-------------|-------------|--------------|
| | | FCC | LCC | FCC | LCC | | | | |
| 132 kV Defence – Gizri, 5 km | 786 | 595 | 192 | 65 | 40 | 134 | 99 | 141 | 1,266 |
| 132 kV Defence - Korangi West, 5km | 796 | 602 | 194 | 66 | 41 | 135 | 100 | 143 | 1,282 |
| 132 kV Gulshan – Civic, 3 km | 453 | 342 | 110 | 37 | 23 | 77 | 57 | 81 | 729 |
| 132 kV CAA – Landhi, 2 km | 269 | 203 | 65 | 22 | 14 | 46 | 34 | 48 | 432 |
| 132 kV CAA - Malir , 4 km | 733 | 554 | 179 | 61 | 38 | 125 | 92 | 132 | 1,180 |
| 132 kV Jacob – Garden, 2 km | 256 | 194 | 62 | 21 | 13 | 44 | 32 | 46 | 412 |
| Fire Sprinkler System, 130 Nos | 2,975 | 0 | 2975 | 0 | 625 | 0 | 0 | 0 | 3,600 |
| 220KV ATR Replacement, 3x250 MVA | 1,448 | 1,336 | 112 | 146 | 24 | 243 | 222 | 254 | 2,336 |
| Jacob Baloch SCADA And Telecom work | 140 | 0 | 140 | 0 | 0 | 0 | 0 | 18 | 158 |
| 7 x 132kV Bays replacement | 1,556 | 1,079 | 477 | 118 | 101 | 266 | 180 | 270 | 2,490 |
| Grand Total | 9412 | 4905 | 4506 | 536 | 919 | 1070 | 816 | 1133 | 13885 |

68. The segregation of total costs for rehabilitation/replacement of various grid equipment and other related works to ensure N-1 contingency-compliant network are given in **Annex-G**.

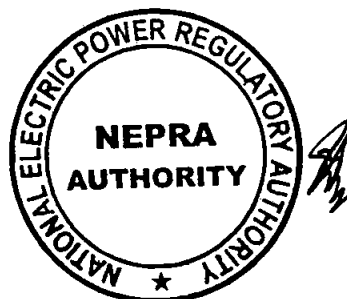
COMMENTS OF STAKEHOLDERS:

69. KE shall ensure that its consumers get a stable supply and be able to operate in island mode in the event of a nationwide breakdown. Moreover, KE has assumed 93% loading of under normal conditions, which may be reviewed.

OBSERVATION/ANALYSIS AND DECISION OF THE AUTHORITY:

70. It is noted by the Authority that M/s PPI has developed the base model of KE's transmission network by considering all the projects in execution/completed up till the year 2025, and then it performed load flow analysis on PSSE for various scenarios such as N-0, N-1, N-1-1, N-2 contingency for three spot years i.e. 2025, 2027 and 2030. Based on the results of load flow analysis, M/s PPI has validated the above-referred proposed reinforcements in the transmission system of KE to ensure compliance with the provisions of the grid code.
71. The Authority observed that in load flow studies, 27 transmission lines were identified by M/s PPI where loading was exceeding technical limits in N-1 contingency in different years. Thus, the investments claimed for N-1 rehabilitation are allowed to ensure that the transmission lines are operated within the limits as identified in the grid code, however, the proposed cost has

2



been rationalized., KE is hereby directed to ensure that the loading of its assets remains within the permissible limits as defined in grid code 2023.

72. In addition to the above, during load flow studies, the requirements for the addition of the new transmission lines to ensure N-1 contingency, 132 kV line bays /cable replacement which have completed their life, fire sprinkler system for 130 transformers, and SCADA work at 132 kV Jacob-Baloch grids also emerged to ensure continuity of supply. Besides the above, M/s PPI also suggested keeping Spare ATR to avoid long outages and loading above the technical limit should be for a shorter time i.e. 10-15 minutes depending on the protection setting of the equipment in the initial years of the MYT control period.
73. Keeping in view the above analysis, especially the load flow analysis performed by M/s PPI on a scientific and proven tool i.e. PSSE, the Authority approves an investment of Rs. 38,503 Million for system reliability to ensure N-1 contingency compliant transmission system of KE during the MYT control period from FY 2023-24 to FY 2029-30. the details of approved investments are as follows:

| Approved cost for N-1 contingency (Million Rs.) | | | | | | | | |
|--|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|
| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
| Addition of T/Line for N-1 provision | 1,500 | 0 | 1,326 | 2,186 | 1,446 | 1,207 | 483 | 8,149 |
| Rehabilitation/Augmentation of existing T/Lines for N-1 provision | 0 | 1,612 | 1,941 | 11,079 | 3,111 | 766 | 0 | 18,508 |
| Replacements & other works for N-1 provision | 812 | 536 | 893 | 893 | 3,337 | 1,851 | 3,524 | 11,847 |
| Total Transmission System Reliability / N-1 Contingency provision | 2,312 | 2,148 | 4,160 | 14,158 | 7,894 | 3,824 | 4,007 | 38,503 |

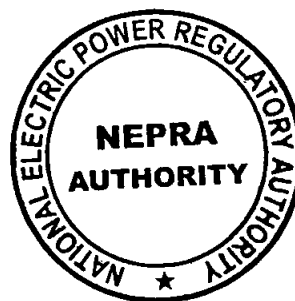
74. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 38,503 Million along with major scope of work and timelines of the N-1 contingency projects are attached as Annex-H.

Issue # 05: Whether the investment of Rs. 3,859 Million for transmission safety is justified?

SUBMISSION OF PETITIONER

75. The Petitioner has provided the following scope of safety works in the transmission sector:
- Relocation of Overhead Transmission Lines is planned at different locations with an estimated capex of PKR 828 million in FY 2029 and 2,381 million in FY 2030.
 - Civil work with yard extension at Site, North Karachi, KEPZ, KDA, and Johar Grids with estimated capex of PKR 650 million.
76. KE stated that the relocation of transmission lines is planned from encroached areas for a safety perspective. The civil works at grid stations will enable to extension of the existing facilities for

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better load management and this will also strengthen the infrastructure of grid stations as per following.

| Sr | Description | Material Cost | Civil works | Installation | Cost Components | | Escalation | | Contingency and Others | Custom Duty | IDC | Total |
|--------------|--|---------------|-------------|--------------|-----------------|------------|------------|------------|------------------------|-------------|------------|-------------|
| | | | | | FCC | LCC | FCC | LCC | | | | |
| 1 | 132kV CAA – Landhi / Landhi – Johar T/Line | 259 | 179 | 80 | 391 | 126 | 43 | 27 | 88 | 65 | 89 | 828 |
| 2 | 132kV KDA – Gulshan / KDA-Johar T/Line | 240 | 166 | 74 | 363 | 117 | 40 | 25 | 82 | 60 | 82 | 768 |
| 3 | 132kV Baldia – SGT 1 & 2 T/Line | 912 | - | 95 | 761 | 246 | 83 | 52 | 171 | 127 | 173 | 1,613 |
| 4 | Yard extension / Civil Works | 397 | 70 | - | - | 467 | - | 99 | 84 | - | - | 650 |
| Total | | 1808 | 415 | 249 | 1515 | 956 | 166 | 203 | 425 | 252 | 344 | 3859 |

OBSERVATIONS/ANALYSIS & DECISION OF THE AUTHORITY:

77. It is noted by the Authority that KE has claimed an amount of Rs. 3,859 Million for transmission safety which comprised of Rs. 3,209 million for relocation of overhead transmission lines from encroached areas of Landi, Johar, Gulshan, Baldia to ensure the safety of public. Further to the above, the Authority also observed that KE has claimed Rs. 650 Million for civil works/yard extension at the Site, North Karachi, KEPZ, KDA, and Johar Grids for better load management.
78. Regarding the relocation of transmission lines from encroached areas of Landi, Johar, Gulshan & Baldia, the Authority keeping in view the validation of a third-party consultant i.e. M/s PPI has approved the subject scope to ensure the safety of the general public which is also in line with NEPRA's power with safety initiative. As far as the issue of civil works on 5 grid stations (Site, North Karachi, KEPZ, KDA, and Johar Grids) is concerned, it is noted by the Authority that a separate cost of Rs. 2,927 Million is approved for civil works at various grid stations including these five grid stations in the head of Transmission Maintenance, Protection & Improvement sub head grid station rehabilitation. Therefore, the Authority believes that the cost of Rs. 650 Million seems duplication and the same is disallowed by the Authority under this particular head. Keeping in view the above and validation of M/s PPI, the Authority approves an amount of Rs. 2,684 million to KE for Safety in the transmission network as per the following details:

Approved Cost for Transmission Safety Projects (Million Rs.)

| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Transmission Safety | 0 | 0 | 0 | 0 | 0 | 692 | 1,991 | 2,684 |

79. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 2,684 Million along with major scope of work and timelines of the transmission safety projects are attached as Annex-I.

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Issue 6: Whether the cost of Rs. 7,604 Million claimed for augmentation at the NKI grid station is justified?

SUBMISSIONS OF PETITIONER:

80. The Petitioner has submitted that currently there are 2 x 600MVA ATRs installed at 500 kV NKI grid station to supply power to KE. KE stated that ideally, NTDC should undertake this extension, however, KE has catered the same in its investment plan for ensuring stability/reliability. Moreover, the Petitioner stated that the 3rd transformer at NKI is essential for ensuring N-1 contingency. The Petitioner informed that its cumulative interconnection capacity with NTDC will be 2,850 MW, after the completion of this augmentation and the other two interconnection points i.e. KKI and Dhabeji.

Transformation Capacity of KE network at NTDC-KE interconnection points

| Grid Station | Transformation Capacity |
|--------------|-------------------------|
| KKI | 900 MW |
| NKI | 1100 MW |
| Jhimpir-2 | 500 MW |
| Dhabeji | 350 MW |
| Total | 2,850 MW |

81. The Petitioner informed that the scope of works under this addition of transformer includes (i) 600MVA Auto Transformer, (ii) 500kV GIS bay, (iii) 220kV GIS bays, (iv) Loop-in/out of 5 KM at NKI between Baldia – Surjani. The details of the claimed investments by KE under this head are given below:

| Scope of Work | Material, Civil, Installation, erection, etc | Cost Components | | Escalation | | Contingency and Others | Custom Duty | IDC | Total |
|---|--|-----------------|--------------|------------|------------|------------------------|-------------|--------------|--------------|
| | | FCC | LCC | FCC | LCC | | | | |
| 1x600 MVA ATR, 1X500KV Bay, 3X220KV Bays | 3,627 | 2,766 | 861 | 303 | 182 | 617 | 460 | 847 | 6,037 |
| D/C LILO (NKI to Baldia/Surjani) 5 km OH, 220 kV | 942 | 712 | 230 | 78 | 48 | 160 | 119 | 220 | 1,568 |
| Total | 4,569 | 3,478 | 1,091 | 381 | 230 | 777 | 579 | 1,067 | 7,604 |

COMMENTS OF STAKEHOLDERS:

82. NTDC has no plans for extension and/or augmentation of autotransformers at NKI by 2025-26 for an additional supply of electricity to KE. Moreover, KE has not shared any such plan for carrying out augmentation at NKI with NTDC.

OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY:

83. It is observed by the Authority that the 500 kV NKI grid station is NTDC's asset therefore consent/agreement of NTDC is required before commencing of works by KE in NTDC's premises. Therefore, the modalities of such development works and future ownership/maintenance of assets need to be settled between parties. After a detailed review,

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the Authority decided to approve the claimed investment of Rs. 6,404 Million to KE under this head, however, the same is subject to consent/finalization of modalities between KE & NTDC regarding proposed augmentation works at NKL.

Approved CAPEX for NKL Augmentation works (Million Rs.)

| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 3 rd T/F at 500 kV NKL Grid Station | 0 | 2,034 | 3,050 | 0 | 0 | 0 | 0 | 5,084 |
| 220KV D/C LILO (NKL to Baldia / Surjani) (OH), 5 km | 0 | 528 | 792 | 0 | 0 | 0 | 0 | 1,320 |
| Total | | 2,552 | 3,842 | 0 | 0 | 0 | 0 | 6,404 |

84. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 6,404 Million along with major scope of work and timelines of the NKL augmentation are attached as Annex-J.

Issue 7: Whether the cost of Rs. 568 Million claimed for IPPs metering is justified?

SUBMISSION OF PETITIONER:

85. Under the PPAs, KE is required to install the main metering system (including metering devices, relays, and other switchyard equipment) at Interconnection with IPPs, while IPPs are required to install the Backup metering equipment along with the switchyard Gantry, and the same is included in their project cost. Therefore, KE had included IPP metering and related costs for induction of power from thermal and renewable plants in its Investment Plan based on the above understanding.

OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY

86. During the hearing, the Authority observed that as per the revised grid code (clause MC 3.4), the obligation of installation of primary as well as backup metering systems is the responsibility of IPPs, and the metering costs will be borne by power producers / IPPs. In light of the above, KE during the hearing on 31-8-20223 withdrew its request for investment of Rs. 568 Million, accordingly, the said amount is excluded from the investment plan.

Issue 8: Whether the transmission losses of 1.3% claimed to be maintained during the MYT control period is justified?

SUBMISSIONS OF THE PETITIONER:

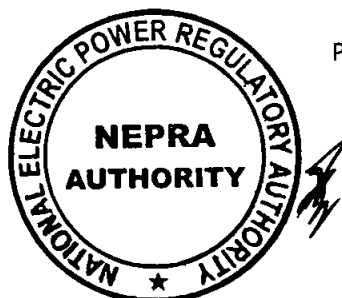
87. The Petitioner submitted the following historic trend of transmission losses in past years:

Historic Transmission System Losses of KE network

| Transmission Losses | FY17 | FY18 | FY19 | FY20 | FY21 | FY22 | FY23 (Prov.) |
|---------------------|-------|-------|-------|-------|-------|-------|--------------|
| | 1.50% | 0.90% | 1.20% | 1.11% | 1.07% | 0.83% | 1.1% |

88. M/s PPI during proceedings submitted that looking at the dynamics of the KE's network, transmission loss is expected to get impacted by the following factors in the coming years:

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- i. Future load growth
- ii. Reduced embedded generation on 132 KV;
- iii. Import of additional power from 500kv network

89. In addition, M/s PPI submitted that there will be an increasing impact on the transmission loss profile which has been optimized w.r.t cost/benefit analysis. M/s PPI submitted the following summary of transmission losses:

| Transmission System Losses Benchmarking for various components by M/s PPI | | | |
|---|-----------------|---|--------------|
| Head | | Calculation | % Loss |
| Grid Station Loss | Fixed losses | 0.575 kW / MVA (fixed loss of Power Transformer) × X MVA × 24 hours × 365 days / 1000 | 0.18% |
| | | 0.25 kW / MVA (fixed loss of Auto Transformer) × X MVA × 24 hours × 365 days / 1000 | 0.07% |
| | Variable losses | Power loss against I ² R loss at 50% to 90% average loading | 0.39%~0.79 % |
| Transmission Line Loss | Variable losses | Power loss against I ² R loss at 50% to 90% average loading | 0.18%~0.40 % |
| Total | | | 0.8 %~1.4% |

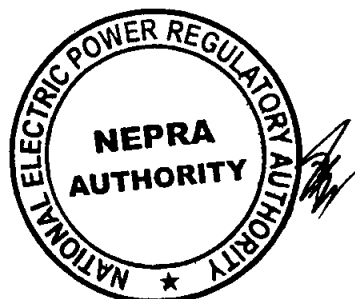
90. M/s PPI clarified that the above assessment is based on the average fixed loss of the Transformer, as per nameplate data, which is subject to change/increase due to the aging of the Transformer (s), and variable losses are dependent on the loading profile of the Transformer(s) which is optimized at around 70-75% loading.

91. Moreover, the Consultant suggested significant reactive power addition both on new and existing grids to maintain power factor at interconnection points with NTDC, improvement in Voltage Profile, allow more MW at PTR, loss reduction, etc. The year-wise MVAR additions as proposed by the Consultant are as follows:

| MVAR Additions to Maintain Power Factor | | | | | | | | | |
|---|-----------------|------|------|------|------|------|------|------|--------------|
| MVAR Addition | Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | Total (MVAR) |
| 11 kV | Capacitor Banks | 60 | 92 | 96 | 64 | 80 | 24 | 36 | 452 |

92. In this regard, KE has claimed an investment of Rs. 3,171 million for capacitor bank installation at 11 kV level, which is summarized below:

| Claimed cost for reactive power additions (Million Rs.) | | | | | | | | | |
|---|------|------|------|------|------|------|------|-------|--|
| Description | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total | |
| Reactive Power Management & Loss Reduction | 424 | 636 | 677 | 457 | 558 | 167 | 251 | 3,171 | |



93. The above-claimed investment requirements are further segregated into different cost components which are tabulated as under:

Million Rs

| Scope | Total Without Escalation | Cost Components | | Escalation | | Contingency and Others | Custom Duty | IDC | Total |
|-------------------------------------|--------------------------|-----------------|--------------|------------|------------|------------------------|-------------|----------|--------------|
| | (Million PKR) | FCC | LCC | FCC | LCC | | | | |
| 105 Capacitor feeder panel (1250A). | 1,628 | 853 | 775 | 93 | 164 | 283 | 142 | 0 | 2,309 |
| 113 Capacitor bank | 606 | 351 | 255 | 38 | 54 | 105 | 58 | 0 | 862 |
| Total | 2,234 | 1,204 | 1,030 | 131 | 218 | 388 | 200 | 0 | 3,171 |

COMMENTS OF STAKEHOLDERS:

94. NTDC submitted that the total transmission losses in all years and especially last year are only 1.3% which seems to be very low.

OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY:

95. The Authority keeping in view the validation of third-party consultant M/s PPI has approved the transmission loss of 1.30% for the MYT control period from FY 2023-24 to FY 2029-30. Furthermore, the Authority decided that in case is KE will achieve further better transmission losses than the allowed transmission loss targets for the respective year, then the benefit of additional reduction in losses for that particular year shall be shared with consumers and K-Electric in the ratio of 75:25 respectively. The benefit shall be shared through a reduction in tariff for that year by reworking all relevant adjustments linked with transmission losses. The year-wise targeted transmission losses are tabulated as under:

Approved Transmission Losses Target for next 7 years

| Description | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|
| Transmission Loss Target % | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 |

96. Moreover, the Authority keeping in view the recommendations and validation of M/s PPI approves an investment of Rs. 2,556 Million under the head of the transmission loss reduction program. The details of approved investments are as follows:

Approved cost for Maintaining Transmission Loss (Million Rs.)

| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maintaining Transmission Loss | 318 | 519 | 552 | 372 | 455 | 136 | 204 | 2,556 |

97. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 2,556 Million along with major scope of work and timelines of the transmission loss reduction are attached as Annex-K.

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OTHER INVESTMENTS RELATED TO TRANSMISSION PROJECTS CLAIMED BY KE:

98. In addition to the above-discussed investments, KE has also claimed the following investments for the interconnection of RE projects and strengthening of links with the national grid to ensure the import of additional power supply:

Interconnection for 220 kV Dhabeji and 500 kV KKI grid station:

99. Ministry of Energy ("MoE") Power Division vide its letter dated 8-10-2022 intimated that the Cabinet Committee on Energy ("CCoE") considering the availability of surplus power in the National Grid abandoned the KE's proposed 700 MW Datang Coal Project and approved supply of additional power to KE from National Grid. Furthermore, MoE inter alia sought views of NEPRA regarding interconnection arrangement and associated costs of interconnection works required to enable dispersal of up to 2,050 MW from National Grid to KE. In response, NEPRA vide its letter dated 15-10-2022 commented that being National Grid Company, NTDC should develop transmission lines of 500 kV and 220 kV being experts and entrusted with such mandate in their license. However, to fast-track construction, if either party agrees to develop the transmission lines, then the cost of developing such lines will be considered at that time in their respective tariff. K-Electric submitted the cost and scope of 220 kV Dhabeji and 500 kV KKI grid interconnection as under:

Claimed scope of work for interconnection with the national grid

| Description | Length | Cost Million Rs | Physical Progress | Expected Completion |
|---|----------------|--------------------|------------------------|------------------------|
| 500 kV Double Circuit transmission line for looping in/out of the planned 500 kV (K2/k3) plant to Port Qasim Coal fired power plant single circuit at 500 kV KKI grid station | 4.43 km | 2,808 | Bids under evaluation | June 2024 |
| 220 kV Double Circuit transmission line for looping in/out of Jhampir 2- Jhampir/DSEZ(Gharo) single circuit at 220 kV Dhabeji grid station | 3.04 km | 2,017 | Bid have been received | June 2024 |
| Total Claimed | 7.47 km | 4,825 | - | - |

100. K-Electric was directed to provide a component-wise cost breakup of the above-referred transmission interconnection works. Accordingly, the same was provided by KE, and as per revised submissions, the cost was reduced to Rs. 4,103 Million even after making due adjustments on account of the USD exchange rate as applicable in May 2023. The cost bifurcation as provided by K-Electric in support of its claim of Rs. 4,103 Million is given below:

| Project | Category | Length | Total Material | Civil work s | Installation | Cost Component s | | Escalation | | Cont. and Others | Custom | IDC | Total |
|--|--|--------|-------------------|--------------------|--------------|------------------------|-----|------------|-----|------------------------|--------|-----|-------|
| | | | | | | FCC | LCC | FCC | LCC | | | | |
| 500kV KKI Loop In/Out Line | OH AAAC "Greeley" Conductor - Quad bundle | 4.50 | 921 | 139 | 218 | 900 | 377 | - | - | 255 | 180 | 308 | 2,021 |

| | | | | | | | | | | | | | |
|---|---|------|------|-----|-----|------|-----|----|----|-----|-----|-----|-------|
| 220 kV Dhabeji Loop In/Out Line | UG XLPE cable 1600 mm ² - Twin Cable | 0.40 | 745 | - | 178 | 745 | 178 | 37 | 27 | 197 | 188 | 247 | 1,618 |
| | OH AAAC "Greeley" Conductor - Twin Bundle | 2.64 | 209 | 63 | 40 | 99 | 212 | - | - | 62 | 20 | 71 | 464 |
| Grand Total | | 7.54 | 1875 | 202 | 436 | 1744 | 767 | 37 | 27 | 514 | 388 | 626 | 4103 |

OBSERVATION/ANALYSIS AND DECISION OF THE AUTHORITY:

101. It is noted that the Authority has approved the Interconnection Agreement ("IA") on 15-2-2024, for the supply of additional power from National Grid to KE. Subsequently, the maximum power transfer capacity from National Grid to KE will be enhanced up to 2,850 MW. The Authority also noted that the 500 kV KKI-NTDC and 220 kV Dhabeji-NTDC interconnection projects are critical in order to provide relief to the consumers in the next summer season (June 2024).
102. The Authority also noted that the cost of 500 kV KKI grid station i.e. Rs. 26,428 Million has already been allowed to KE in Mid Term Review (MTR) dated 1-3-2022. The interconnection line connecting the 500 kV KKI grid with the National Grid at that time was believed to be carried out by NTDC. However, later on the query of MoE, NEPRA allowed either party to proceed with construction of the interconnection line to fast track the interconnection with the National Grid.
103. Keeping in view the above, the Authority has decided to allow an investment of Rs. 3,326 Million for the interconnection of 500 kV KKI and 220 kV Dhabeji with the National Grid (NTDC network). The details of approved investments are as follows:

Approved cost for 500 kV KKI and 220 kV Dhabeji interconnection works with national grid

| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 500 kV KKI Interconnection with National Grid (NTDC) | 1,683 | 0 | 0 | 0 | 0 | 0 | 0 | 1,683 |
| 220 kV KKI Interconnection with National Grid (NTDC) | 1,643 | 0 | 0 | 0 | 0 | 0 | 0 | 1,643 |
| Total | 3,326 | 0 | 0 | 0 | 0 | 0 | 0 | 3,326 |

104. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 3,326 Million along with major scope of work and timelines of the 500 kV KKI and 220 kV Dhabeji interconnection are attached as Annex-L.



Interconnection for 350 MW Renewable - Solar IPPs:

105. The Petitioner has claimed an investment of Rs. 7,523 Million for the addition of a transmission line for 350MW solar power projects situated in Gharo Corridor. KE mentioned that this project is being done by GoS in coordination with the World Bank where KE will be acting as power purchaser.
106. The Petitioner further stated that the project will enable the power evacuation from the upcoming generation of renewables, alongside managing the demand/supply gap. Further, this will also improve the load flow of the 220kV network, and enable to increase quantum of clean and cheaper energy in the KE fleet which is in line with NEP guidelines. Moreover, it will also result in reducing KE's reliance on imported fuel and will decrease its generation cost due to the induction of cheaper solar energy.
107. According to KE, the scope of work includes the construction of a 20 km transmission line for 220kV Baldia – Surjani T/Line in/out at 350MW Surjani Solar Grid Station. The above-claimed investment requirements are further segregated into different cost components which are tabulated as under:

Claimed cost for interconnection of 350 MW Solar (GoS) projects

| Project | Total Without Escalation | Cost Components | | Escalation | | Cont. and Others | Custom | IDC | Total |
|--|--------------------------|-----------------|--------------|------------|------------|------------------|------------|--------------|--------------|
| | | FCC | LCC | FCC | LCC | | | | |
| 220kV Baldia – Surjani T/Line in/out at 350MW Surjani Solar Grid Station, 20km | 3,769 | 2,850 | 919 | 312 | 194 | 641 | 474 | 880 | 6,270 |
| 2x220kV Bays for 220kV DC Transmission Line New Solar | 755 | 523 | 231 | 57 | 49 | 129 | 87 | 755 | 1,253 |
| Total | 4,524 | 3,373 | 1,150 | 369 | 243 | 770 | 561 | 1,635 | 7,523 |

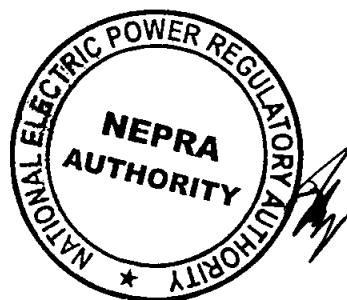
OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY:

108. The Authority reviewed KE's claim and noted that an investment of Rs. 1,253 Million for 2x220 kV line bays has been claimed. These line bays are to be constructed in the switchyard of solar power plants. Since the switchyard and allied equipment/works are the responsibilities of the power producer, therefore, this amount of Rs. 1,253 Million is not allowed to KE.
109. Additionally, the Authority keeping in view the validation by third-party M/s PPI, approves an amount of Rs. 5,183 Million for power evacuation from 350 MW Solar Power Projects near Surjani grid station. The details of the approved investment are given below:

Approved cost for interconnection of 350 MW Solar projects (GoS)

| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 220kV Baldia – Surjani T/Line in/out at 350MW Surjani Solar Plant, 20km | 1,486 | 3,697 | - | - | - | - | - | 5,183 |

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110. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 5,183 Million along with major scope of work and timelines of the 350 MW Solar Projects are attached as Annex-M.

Construction of 500 kV KKI Grid Station (Mid-Term Project FY 2017-FY2023):

111. The Petitioner stated that investment for the construction of 500kV KKI Grid station is already approved by the Authority in its decision of Mid Term Review of K-Electric dated March 1, 2022. The total approved cost is PKR 26,428 million and considering the contractual timelines, partial CAPEX is expected to be incurred by June 30, 2023, and the remaining amount to the tune of approximately Rs. 17,617 Million will be incurred in FY 24. The details of investment requirements are tabulated as under:

Claimed cost for 500 kV KKI Grid Station (Mid Term un-utilized amount) (Million Rs.)

| Sub head | Material Cost, Civil Works, Erection Testing and Installation) | Cost Components | | Escalation | | Contingency and Others | Custom Duty | Land | IDC | Total |
|-------------------|--|-----------------|-------|------------|-----|------------------------|-------------|------|-------|--------|
| | | FCC | LCC | FCC | LCC | | | | | |
| Transmission Line | 3,422 | 2,605 | 817 | - | - | 148 | 391 | - | 497 | 4,458 |
| Grid Station | 10,462 | 7,093 | 3,369 | - | - | 559 | 1,064 | 246 | 828 | 13,159 |
| Total | 13,884 | 9,698 | 4,186 | 0 | 0 | 707 | 1,455 | 246 | 1,325 | 17,617 |

112. Moreover, KE submitted that the actual cost incurred in FY23 will be intimated to the Authority for inclusion in RAB of current MYT 2017-23 and will not be claimed again in MYT 2024-30.

OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY

113. The issue of the 500 kV KKI project has already been discussed at length in para 256-261 of this decision. The Authority hereby allows an estimated amount of Rs. 17,617 Million as carry forward in instant MYT for 500 kV KKI grid station. The details of the approved investment are given below:

Approved carry over cost for 500 kV KKI Grid Station (Mid Term un-utilized amount) (Million Rs.)

| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|--|--------|-------|-------|-------|-------|-------|-------|--------|
| 220 kV Associated Transmission Lines | 4,458 | - | - | - | - | - | - | 4,458 |
| 500/220 kV Yard and Power Transformers | 13,159 | - | - | - | - | - | - | 13,159 |
| Total | 17,617 | - | - | - | - | - | - | 17,617 |

114. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 17,617 Million along with major scope of work and timelines of the construction of 500 kV KKI grid station are attached as Annex-N.

Interconnection for 600 MW WPP-Solar Power Plants

115. Petitioner stated that 220kV GIS Gharo grid station along with allied transmission line is required to evacuate power from upcoming 600 MW WPP-Solar power plants in Gharo Corridor. The scope of work as intimated by petitioner comprises of construction of new step

up 220KV Grid Station at Gharo and 220KV D/C T/L from Solar Power Plants at Gharo to Dhabeji. Major scope consists of following:

- i. 3x 250MVA Auto Transformers at 220 kV GIS Gharo
- ii. 6x 220kV GIS Bays and 3x 132kV GIS bays
- iii. 20KM 220kV D/C Transmission Line for WPPs at Gharo to Dhabeji

116. KE further stated that the project will enable to evacuate the power from upcoming generation from renewables alongside managing Demand / Supply gap. This will also improve the load flow of 220kV network and enable to increase quantum of clean and cheaper energy in KE fleet which is in line with NEP guidelines. The claimed investment requirements are further segregated into different cost components which are tabulated as under:

Claimed cost for interconnection of 600 MW Renewable IPPs (Million Rs.)

| Project | Total Without Escalation | Cost Components | | Escalation | | Cont. and Others | Total With esc. & others | Custom | Land | IDC | Total |
|----------------------------|--------------------------|-----------------|-------|------------|-----|------------------|--------------------------|--------|------|-------|-------|
| | | FCC | LCC | FCC | LCC | | | | | | |
| 220 kV Gharo G/S | 4,379 | 3,369 | 1,010 | 369 | 213 | 744 | 5,705 | 561 | 469 | 1,576 | 8,311 |
| 220kV DC Transmission Line | 3,769 | 2,850 | 919 | 312 | 194 | 641 | 4,916 | 474 | 0 | 1,262 | 6,652 |

OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY

117. The Authority noted that this project will result in reducing KE's reliance on imported fuel and will also decrease its generation cost due to induction of cheaper renewable energy.
118. The Authority keeping in view the validation by third party M/s PPI, approves an amount of Rs. 12,825 Million for power evacuation from 600 MW WPP-Solar Power Projects to be established in Gahro Corridor. The details of the approved investment is given below:

Approved cost for interconnection of 600 MW Renewable IPPs (Million Rs.)

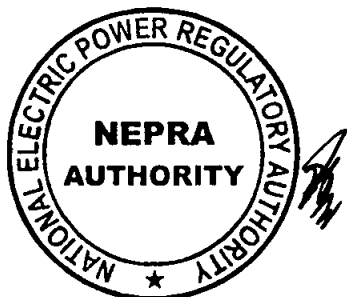
| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 220 kV Gharo Step-up Grid Station | - | 528 | 2,635 | 3,998 | - | - | - | 7,161 |
| Associated Transmission Line | - | - | 2,265 | 3,398 | - | - | - | 5,663 |

119. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 12,824 Million along with major scope of work and timelines of 600 MW Renewable IPPs interconnection are attached as Annex-O.

Short Circuit Control:

120. The Petitioner submitted that the proposed Current limiting reactor of Rs. 1,373 Million between the 220 kV Bus Bars of New Port Qasim Grid Station will help in mitigating the fault level and to restrict the magnitude of short circuit limit within permissible limits. Furthermore, this shall also reduce the risk of equipment damage. According to KE, it is important to limit

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short circuit value within the permissible range to ensure the safety of grid and working staff.
The details of above-claimed investments is given below:

| Sr | Name of Grid | Total Cost (Material Cost, Civil Works, Erection Testing and Installation) | Cost Component s | | Escalation | | Contingen cy and Others | Custom Duty | Land | IDC | Total |
|----|--|--|------------------------|-----|------------|-----|-------------------------------|----------------|------|-----|-------|
| | | | FCC | LCC | FCC | LCC | | | | | |
| 1 | Current Limiting Reactor 1 x CLR at 220kV busbar of NPQ, 2x220kv Bays | 858 | 626 | 231 | 69 | 49 | 146 | 104 | - | 147 | 1,373 |

OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY:

121. It is noted by the Authority that the New Port Qasim grid station was energized in 2020 under the TP-1000 project. The grid is designed for 50kA short circuit levels. However, due to the import of power from the National Grid through KKI, Dhabeji, Gharo, and NKL, the short circuit levels in the KE system are increasing. Therefore, the New Port Qasim grid has been selected as the optimum point for the installation of current limiting reactors to bring short circuit levels within safe limits in the overall system of K-Electric.
122. The Authority keeping in view the validation by a third party M/s PPI, approves an amount of Rs. 1,148 Million for the current limiting reactor, summary of which is given below:

Approved cost for current limiting reactor at New Port Qasim grid station (Million Rs.)

| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|--------------------------------------|----------|----------|----------|----------|----------|----------|----------|-------|
| Current Limiting Reactor (10 Ohm) | 0 | 1,148 | 0 | 0 | 0 | 0 | 0 | 1,148 |

123. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 1,148 Million along with major scope of work and timelines of the current limiting reactor are attached as Annex-P.

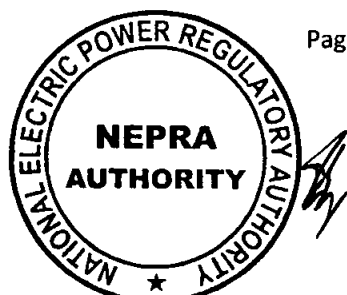
DISPOSAL/DISMANTLING OF THE MATERIAL:

124. The Petitioner stated that general disposal amount for each year is estimated @ 0.18% of the estimated net book value of total transmission assets in respective year. Whereas, specific disposal represents HVUB 66kV transmission line and associated assets which will be dismantled as the line and grids are being upgraded to 132 kV. Furthermore, the Petitioner submitted that as these are estimated amounts based on forecast, therefore, the Authority is requested to allow the actual amount of disposals.

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | Total |
|-------------|------|------|------|------|------|------|------|-------|
| Specific | - | - | 54 | - | - | - | - | 54 |
| General | 195 | 192 | 190 | 179 | 158 | 118 | 109 | 1,140 |
| Total | 195 | 192 | 243 | 179 | 158 | 118 | 109 | 1,194 |

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OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY:

125. An estimated amount of Rs. 1,194 Million is deducted on account of dismantling of assets. Further, the dismantling cost will be adjusted as per actual during annual indexations/adjustments.

Issue # 8: Whether the claimed cost of Rs. 37,105 Million for growth projects in the distribution Segment is justified?

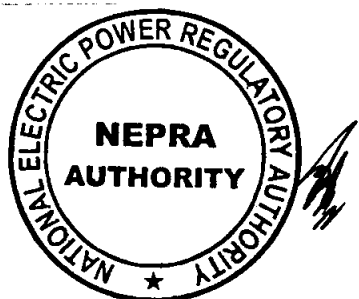
SUBMISSIONS OF THE PETITIONER:

126. The Petitioner submitted that the growth projects are crucial in bolstering the expansion of its distribution network to meet the escalating electricity demand projections of Karachi from FY 2024 to FY 2030. According to KE, its strategic objective is to efficiently utilize the existing network infrastructure including grid stations, power transformers, MV feeders, and distribution transformers, while also introducing new electricity infrastructure keeping in view spatial constraints imposed by the city's burgeoning population. The Petitioner informed that it enhances its network capacity by investing in common systems itself, as well as through dedicated consumer-funded projects. According to KE, the proposed expansion is essential for accommodating organic growth and welcoming more consumers, in alignment with NEPRA's Consumer Service Manual ("CSM").
127. KE submitted that it plans an investment of **PKR 37,105 million** for the common system, while a significant portion is also expected to be added based on dedicated consumer-funded investment. According to the Petitioner, the investments planned by KE, as well as dedicated consumer-funded projects, will help in the addition of **3,251 MW** of load in KE's network and the growth of **1.2 million** customers in the 7-year control period. KE added that to cater projected addition of a sanctioned load of **2,543 MW** from FY 2024 to FY 2030, it will be adding common distribution infrastructure comprising new link formations among existing MV feeders along with induction of new MV feeders, and distribution transformers. Additionally, it will be carrying out MV feeder shifting among existing and new grid stations and Power Transformers (PT) for load balancing. KE informed that the new planned assets will ensure optimal utilization of existing assets, and the timely availability of necessary operational systems, and will support to maintain the quality and reliability of power supply, in order to meet regulatory requirements. Following is the summary of scope of distribution growth projects and requested investments:

Claimed scope for distribution growth projects (HT)

| Growth HT | | Quantities | | | | | | | |
|---------------------------------------|---------|------------|------|------|------|------|------|------|-------|
| Project | Unit | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| Grid to Grid feeder balancing | Feeders | 4 | 7 | 2 | 17 | - | - | 10 | 40 |
| PT to PT feeder balancing | Feeders | 42 | 42 | 22 | 22 | 22 | 12 | 12 | 174 |
| New MV Feeder laying | Feeders | 15 | 16 | 33 | 42 | 55 | 65 | 42 | 268 |
| New MV Link for balancing | Feeders | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 70 |
| System Improvement Plan / Overloading | PMTs | - | 327 | 327 | 327 | 327 | 327 | 327 | 1,962 |

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Claimed CAPEX for distribution growth projects

| Project | PKR Mn | | | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| Network expansion projects to cater for New connections (Above 80 KW) | 526 | 417 | 440 | 462 | 482 | 500 | 511 | 3,337 |
| Metering Project (NC Below 80 KW) | 147 | 120 | 121 | 124 | 121 | 123 | 125 | 880 |
| Grid to Grid feeder balancing | 214 | 377 | 109 | 944 | - | - | 582 | 2,227 |
| PT to PT feeder balancing | 190 | 191 | 101 | 102 | 103 | 57 | 58 | 802 |
| New MV Feeder laying | 1,135 | 1,219 | 2,550 | 3,292 | 4,373 | 5,243 | 3,437 | 21,251 |
| New MV Link for balancing | 214 | 215 | 218 | 220 | 223 | 226 | 228 | 1,544 |
| SIP Overloading | - | 1,149 | 1,160 | 1,172 | 1,182 | 1,195 | 1,207 | 7,065 |
| Growth Total | 2,426 | 3,687 | 4,700 | 6,316 | 6,484 | 7,344 | 6,148 | 37,105 |

128. KE was directed to provide the details of cost bifurcation of HT and LT works as well as the escalated and non-escalated costs which are attached as **Annex-Q**.

OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY:

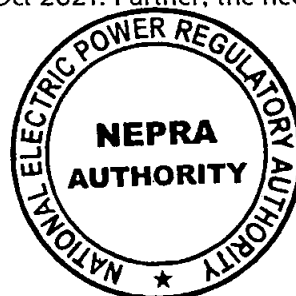
129. The Authority, for the purpose of comparison, has noted that KE in its previous MYT control period made following achievements in the head of distribution growth projects (including the forecasted investment for FY 2023):

Past trend of additions and investments in distribution growth segment

| Description | FY16 | FY17 | FY18 | FY19 | FY20 | FY21 | FY22 | FY23 | Total Addition |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|
| Feeders (No) | 1,524 | 1,653 | 1,729 | 1,807 | 1,890 | 1,937 | 2,001 | 2,084 | 560 |
| Length of Feeder (km) | 9,247 | 9,363 | 9,549 | 9,876 | 10,204 | 10,283 | 10,520 | 10,761 | 1,514 |
| New Connections Load (MW) | - | 225 | 309 | 297 | 305 | 360 | 592 | 655 | 2,743 |
| No. of PMTs / Substations | 23,031 | 25,667 | 27,388 | 28,183 | 28,842 | 29,702 | 29,971 | 30,806 | 7,775 |
| Distribution Capacity (MVA) | 6,302 | 7,230 | 7,464 | 7,702 | 7,916 | 8,153 | 8,685 | 8,908 | 2,607 |
| Customer Base (MNs) | 2.2 | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.7 | 1.5 |
| Growth Million Rs. | - | 4,124 | 3,332 | 5,567 | 4,617 | 4,614 | 7,195 | 9,730 | 39,178 |

130. The Authority has also reviewed the instant claimed costs and scope of the distribution growth projects for the MYT period from FY 2024 to 2030. It is observed by the Authority that the scope of growth projects is much lesser as compared to the actual scope achieved in previous MYT, yet there was no considerable reduction in the claimed costs. This may be due to the rise in prices and global commodity prices increase, therefore, KE was directed to provide the cost bifurcation, which was accordingly submitted. The Petitioner intimated that material cost is valued at most recent Purchase Order (PO) rates as of Oct 2021. Further, the necessary material

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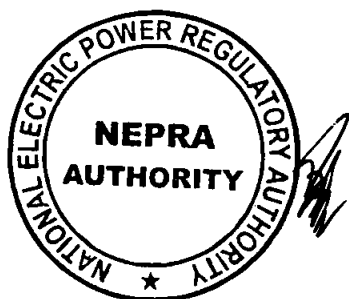
cost indexation has been estimated by KE from 2021 till June 2022 and is already included in the total capex estimate. The cost bifurcation provided by KE for escalated scenarios revealed that escalation factor of 30% has been used for material cost and 12% for RoW and Services / installation cost. In this regard, the Authority is of the view that the escalation factor of 30% is on very higher side therefore notional escalations to the tune of 5% of FCC, 8% for LCC have been incorporated from year 2 to year 7 as per consistent approach with DISCOs.

131. It was noted that KE has included a new connection cost of Rs. 4,217 Million in its investment plan. The Authority viewed that the new connection cost is usually recovered from the consumers through demand notice, therefore, KE was enquired the reason of such claim. KE responded that this claim is about the Network Expansion for the provision of New Connection for loads of above and below 80 kW. KEL clarified that this cost does not relate to grid sharing/augmentation but is related to different services that are provided as part of the New Connection including but not limited to (a). Transportation of equipment; (b). Installation of check meter/AMR meter and allied materials; (c). Installation of CTO meter and allied materials; (d). Electrical leading at PMTs and other equipment; (e). Installation of Current Transformers (CTs)/ Potential Transformers (PTs); Coupling of Vacuum Circuit Breakers (VCBs) and panel jobs at the substation and switch room; (f). Transportation of heavy equipment from store to customer premises through trucks, cranes, and loaders; and (g). Fleet for the execution of all the above scope of work. KEL added that the execution and energization of new connections involve multiple services, and the majority of these services are outsourced to external service providers (contractors), however, few services are executed under the direct supervision of own teams of KEL through outsourced employees and hired fleet, and this claimed investment represents the cost of such outsourced employees and fleet. Considering these services are utilized in the execution of new connections, KE explained that this O&M cost is included to CAPEX and form part of RAB, therefore, the amount of Rs. 4.20 billion has been included in the investment plan. During the proceedings, KEL agreed that this cost should be allowed in one head only and if allowed under CAPEX, then it should not be considered under O&M. KE further submitted that the cost deposited by the consumer is indicated as "Other Income" which is passed to the consumer.
132. After deliberating on the response of KE and the validations by the third-party M/s PITCI Fichtner, the Authority has decided to allow an amount of Rs. 1.2 billion in respect of New Connection. This cost has been allowed for the initial 2 years (FY 2023-24 & FY 2024-25), subject to verification & actualization, as per the audited accounts. Moreover, after two years the remaining requested amount shall be decided in the light of Annual Audit/Monitoring by 3rd party. Accordingly, the Authority hereby allows a total investment of Rs. 29,461 Million on account of distribution growth projects, summary of which is given below:

Approved CAPEX for distribution growth projects (Million Rs.)

| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|--------|
| Distribution Growth | 1,478 | 2,751 | 3,606 | 4,964 | 5,063 | 5,746 | 4,653 | 28,261 |
| New Connection | 673 | 527 | - | - | - | - | - | 1,200 |
| Total Distribution Growth | 2,151 | 3,278 | 3,606 | 4,964 | 5,063 | 5,746 | 4,653 | 29,461 |

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133. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 29,461 Million along with major scope of work and timelines of distribution growth projects attached as **Annex-R**.

Issue # 9: Whether the claimed cost of Rs. 64,622 Million for energy loss reduction program is justified?

Issue # 10: Whether the claimed cost of Rs. 19,933 Million for rehabilitation of existing LT ABC is justified? What is the criteria and rationale of rehabilitation /replacement of existing LT ABC? What is the useful life of ABC cables which are being replaced/rehabilitated?

Issue#11: Whether the cost of Rs. 15,279 Million claimed for the network rehabilitation program is justified?

SUBMISSIONS OF THE PETITIONER:

Energy Loss Reduction:

134. The Petitioner submitted that its Energy Loss Reduction ("ELR") program is one of the major areas of focus for KE. According to KE, it plans to invest **PKR 64,662 Million** in loss reduction over the control period of 7 years, while some investments are expected to be done through dedicated consumer funds. Further, the loss reduction program has following three main areas:

- i. Commercial Loss Reduction
- ii. Faulty Meter Replacement
- iii. Technical Loss Reduction

135. The summary of scope of work for ELR and requested investment investments are tabulated below:

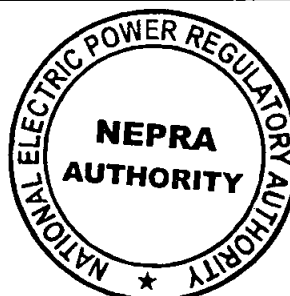
Claimed Scope of Energy Loss Reduction (ELR) Program

| Project | Unit | Quantities | | | | | | | |
|---------------------------------|---------|------------|---------|---------|---------|---------|---------|---------|-----------|
| | | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| Commercial Loss reduction | | | | | | | | | |
| LT ABC Full Scope | PMTs | 443 | 442 | 443 | 442 | - | - | - | 1,770 |
| LT ABC Rehab | PMTs | 758 | 758 | 758 | 758 | - | - | - | 3,032 |
| LT ABC I Replacement | PMTs | - | - | 1,567 | 1,567 | 1,567 | 1,567 | 1,567 | 7,833 |
| Faulty Meter Replacement | | | | | | | | | |
| Net Metering | Meters | 180 | 198 | 218 | 240 | 264 | 290 | 319 | 1,709 |
| Single Phase | Meters | 143,301 | 157,631 | 173,394 | 190,734 | 209,807 | 230,788 | 253,867 | 1,359,522 |
| Three Phase | Meters | 27,518 | 30,270 | 33,297 | 36,627 | 40,290 | 44,318 | 48,750 | 261,071 |
| Technical loss reduction | | | | | | | | | |
| Loop Splitting | Scheme | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 420 |
| Power Factor Improvement Plants | No. | - | 25 | 25 | 25 | 20 | - | - | 95 |
| Network Rehab | Feeders | - | 190 | 190 | 190 | 190 | 187 | 185 | 1,132 |

Claimed cost of ELR program

| Project | PKR Mln | | | | | | | Total |
|----------------------------------|---------|-------|-------|-------|------|------|------|---------------|
| | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | |
| Commercial Loss reduction | | | | | | | | 31,322 |
| LT ABC Full Scope | 2,807 | 2,825 | 2,865 | 2,892 | - | - | - | 11,389 |

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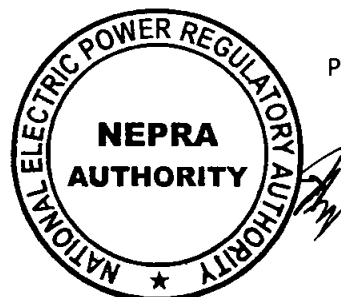
| | | | | | | | | |
|---------------------------------|--------------|---------------|---------------|---------------|--------------|--------------|--------------|---------------|
| LT ABC Rehab | 3,946 | 3,996 | 4,044 | 4,093 | - | - | - | 16,079 |
| LT ABC Replacement | - | - | 752 | 761 | 771 | 780 | 790 | 3,854 |
| Faulty Meter Replacement | | | | | | | | 14,418 |
| Net Metering | 12 | 14 | 15 | 17 | 18 | 20 | 22 | 118 |
| Single Phase | 983 | 1,071 | 1,185 | 1,312 | 1,450 | 1,605 | 1,777 | 9,383 |
| Three Phase | 515 | 561 | 621 | 688 | 760 | 841 | 931 | 4,917 |
| Technical loss reduction | | | | | | | | 18,922 |
| Loop Splitting | 485 | 490 | 495 | 500 | 506 | 511 | 517 | 3,505 |
| Power Factor Improvement Plants | - | 36 | 36 | 36 | 29 | - | - | 138 |
| Network Rehab | - | 2,509 | 2,531 | 2,555 | 2,573 | 2,557 | 2,553 | 15,279 |
| Loss Reduction Total | 8,748 | 11,502 | 12,545 | 12,854 | 6,106 | 6,315 | 6,591 | 64,662 |

Commercial Loss Reduction:

136. The Petitioner submitted that under the Commercial Loss Reduction, KE plans a roll-out of Aerial Bundled Cable ("ABC") on PMTs to reduce commercial losses. KE has identified areas of potential loss reduction and categories where;
- ABC was required for bare conductor high-loss PMTs in low-loss feeders. The new ABC cables on bare conductors of 1,770 PMTs will be implemented.
 - Rehabilitation of previously converted ABC PMTs for sustained theft prevention. There are a total of 3,032 PMTs where rehabilitation of ABCs is required.
 - Replacement of previously converted ABC PMTs crossing useful life. There are a total of 7,833 PMTs where replacement of ABC is required.
137. The Petitioner has requested a total amount of **PKR 31,322 Million** for ABC program. Out of this, **Rs. 11,389 Million** is requested for new ABC, **Rs. 16,079 Million** has been requested for rehabilitation and **Rs. 3,584 Million** for replacement of ABC.
138. KE highlighted that it had previously completed the conversion of 12,500 PMTs to ABC, which has been a significant contributor to the company's loss reduction. As per KE, it has already converted 90% of its high loss areas to ABC, and the remaining 10% (which amounts to 1,770 PMTs), having losses higher than 15%, is scheduled to be converted in the upcoming control period. KE informed that these areas primarily belong to the outskirts of the city and represent high loss pockets.
139. Additionally, KE stated that the rehabilitation of already converted PMTs is also planned for areas which are prone to high theft and non-payment, and where ABCs installed have been damaged by installation of direct hook/ kundas, or which have completed their useful life. According to KE, under the head of rehabilitation, 100% of ABC spans which were installed earlier will be replaced. Moreover, it also includes conversion of non-static to static meters to further prevent electricity theft.
140. KE then briefed that the replacement of ABC entails partial spans replacement where effectiveness of ABC cable has been compromised, due to excessive wear & tear and corrosive coastal environment. This has caused ingress of moisture thereby weakening the insulation and resulted in reduced capacity of the cable. In replacement head, KE submitted that around 20% spans of ABC installed earlier will be replaced. KE explained that though the benchmark life of

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ABC is 15-20 years, however, this becomes increasingly diluted in coastal conditions due to excessive corrosion and wear & tear. KEL has estimated that 20% spans of 7,833 ABC PMTs installed before 2019 will deteriorate during the next tariff control period which may result in increased theft.

141. KE informed that considering the lessons learned from past experiences, its execution strategy for the ABC project moving forward has been established as follows:

- i. Ring fencing entire feeder i.e., to convert all PMTs within a feeder to ABC, irrespective of the loss category.
- ii. Changing of service cables and individual meters, along with PMT mains to avoid theft from service cables
- iii. Adjacent feeders also ring fenced to eliminate 'kunda' shifting

142. The consultant M/s PITCO Fichtner clarified that the life of ABC cables can go up to 25 years. However, in case of KE these cables haven't been able to achieve the designed life period due to puncturing by consumers.

Faulty Meter Replacement:

143. The Petitioner submitted that as per prevailing CSM, KE is required to replace the faulty meter unless the meter fault is due to responsibility of customers. Moreover, KE stated that the meter replacement is necessary due to natural wear & tear, corrosive weather conditions and meter tampering. According to KE, the average meter replacement cycle is 17-20 years, and it is essential to maintain Distribution Loss and improve quality of metered billing. The total FMR investment of PKR 14,418 million has been claimed by the Petitioner. The historic replacement rate of faulty meters as provided by KE is given below:

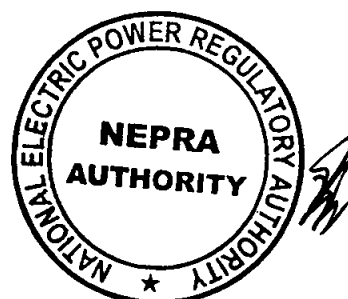
| Historic replacement rate of faulty meters | | | | | | | | |
|--|---------|---------|---------|---------|---------|---------|---------|-----------|
| FY | 2,017 | 2,018 | 2,019 | 2,020 | 2,021 | 2,022 | 2,023 | Total |
| Meters Replaced (Nos) | 115,655 | 144,693 | 113,701 | 195,425 | 201,631 | 223,404 | 194,398 | 1,188,907 |
| Cost Million Rs. | 352 | 387 | 326 | 616 | 902 | 950 | 1,222 | 4,755 |

Technical Loss Reduction:

144. KE has claimed an investment of PKR 18,922 Million under this head. The Petitioner submitted that it has identified improvement areas in distribution network and have planned different initiatives for the reduction of energy losses due to technical reasons. According to the Petitioner, the initiatives mentioned below relate to both overhead and underground networks, which will contribute to the reduction of technical losses.

- i. **Loop Splitting:** KE submitted that it will use simulation software CYMDST to validate its technical loss reduction initiative. This initiative focuses on right-sizing transformers and conductors, reducing I²R losses through load balancing, shortening lengthy lines, and optimizing asset utilization. KE balances loading of feeders and transformers by shifting them from overloaded to under-loaded feeders. The company also shifts LT circuits from heavily loaded transformers to lightly loaded ones. Load balancing is done among all three phases to optimize technical losses.

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- ii. **Power Factor Improvement Plant:** KE informed that it has installed Power Factor Improvement Plant (PFIPs) in 43 locations in FY2022 to improve energy efficiency. The post-installation analysis showed a significant improvement in the power factor from 0.64 to 0.85 on average, and the voltage improvement profile was also improved by 7.7%. KE plans to install PF improvement plants in around 100 substations in LT distribution network to reduce technical losses and improve overall efficiency.
- iii. **Network Rehabilitation:** KE submitted that it has identified areas where energy losses occur and has planned sustainable rehabilitation initiatives for the overhead and underground network. These initiatives include improving connection quality, replacing deteriorated joints, and improving high contact resistance paths. KE has also planned OH Network Rehabilitation initiatives to reduce faults and improve safety, reliability, and reduce technical losses. The project is expected to deliver significant benefits, including 60% fault reduction, improved SAIFI by 34%, improved SAIDI by 30%, and loss reduction of 0.97%. The project is planned to be executed feeder wise with following scope wherever applicable in next 7 years:
 - a. Overhead bare conductor (6,537 km) conversion to covered conductor on 1,132 Feeders.
 - b. Covering of exposed conducting components on 1,132 feeders.
 - c. Replacement of deteriorated connection leads, damaged insulators, fuses and breakers on 21,283 PMT stations.

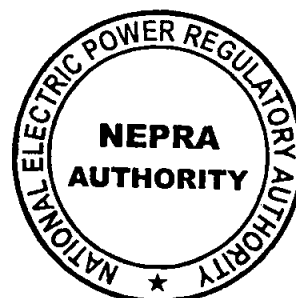
OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY:

Installation of ABC New PMTs:

145. KE plans to convert bare LT into ABC for 1,770 nos. of PMTs having losses above 15% for which PKR 11,389 Million has been claimed. It is also revealed that at the moment 90% high loss PMTs have ABC LT, whereas remaining 10% high loss PMTs will be converted on ABC by FY 2026-27. The details of PMTs having ABC cables as LT and the criteria for the selection of new ABC schemes is given below:

Percentage of PMTs having ABC cables on LT side

| Description | June 2022 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 |
|---|-----------|--------|--------|--------|--------|--------|--------|--------|
| Total Distribution Transformers – No. | 29,971 | 31,579 | 32,577 | 33,628 | 34,725 | 35,912 | 37,147 | 38,412 |
| PMTs to be converted on ABC LT (No) | - | 443 | 442 | 443 | 442 | 0 | 0 | 0 |
| Distribution Transformers having LT as ABC cables | 12,500 | 12,943 | 13,385 | 13,828 | 14,270 | 14,270 | 14,270 | 14,270 |
| % of PMTs on ABC | 42 | 41 | 41 | 41 | 41 | 40 | 38 | 37 |
| Cost Claimed | - | 2,807 | 2,825 | 2,865 | 2,892 | - | - | - |



146. KE was directed to provide cost bifurcation of Rs. 11,389 Million, which was accordingly submitted and is given below:

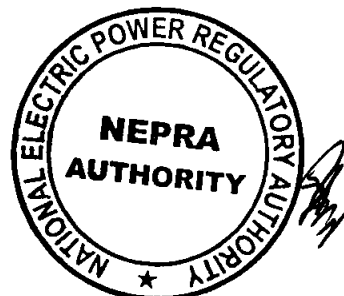
| Description | UoM | FY 24 – FY 30 | | | | | | | Total |
|--------------------|------|---------------|-----------|-----|-----------|----------|-----|-----|--------|
| | | Qty | Materials | | | Services | RoW | IDC | |
| | | | FCC | LCC | Sub Total | LCC | LCC | LCC | |
| Escalated Cost | PMTs | 1,770 | 8,361 | 81 | 8,442 | 1,994 | 0 | 952 | 11,389 |
| Non Escalated Cost | PMTs | 1,770 | 6,632 | 80 | 6,712 | 1,778 | 0 | 952 | 9,442 |

147. The Petitioner intimated that material cost is valued at most recent Purchase Order (PO) rates at the applicable dates available as of Oct 2021. Further, the necessary material cost indexation has been estimated by KE from 2021 till June 2022 and is already included in the total capex estimate. It is observed from the above cost bifurcation provided by KE that escalation factor of 26% has been used for material cost and 12% for Services/installation cost. In this regard, the Authority is of the view that the escalation factor is on very higher side therefore notional escalations to the tune of 5% of FCC, 8% for LCC have been incorporated from year 2 to year 7 as per consistent approach with DISCOs.

LT ABC Rehabilitation and Replacement:

148. KE has claimed Rs. 19,933 Million in respect of Rehabilitation and Replacements for LT ABC cables which were installed previously. It was noted that the scope of rehabilitation involves replacement of complete spans of the PMTs whereas the scope of replacement involves rehabilitation to the tune of around 10% of the spans. KE submitted that it has converted 1,235 feeders to ABC against a total of 2,043 feeders, resulting in remarkable improvement in losses which have reduced to 16.2% (FY 2022) which stood at 28.3% (FY 2016). Since the cost of such ABCs was allowed to KE in previous MYT, therefore, the Authority carried out a comprehensive assessment to ensure that there is no cost duplication to be recovered from consumers, and all the replacements/rehabilitations are as per prudent practices. In this regard, the in-house team of NEPRA discussed at length the scope of rehabilitation & replacement of ABC, combined with the review of BOQs. The peculiarities of the areas of Karachi and its adjoining areas, wear & tear, and the tampering by consumers and consequent damages to the existing infrastructure of ABC(s) were also considered. The physical verification of a few locations was also carried out in different areas of Karachi to check the condition of ABCs, poles, insulators, connectors and meters etc., which revealed that different type of scope may be required, ranging from 30%-60%, whereas in some areas it may not involve any ABCs, being high rise buildings.
149. Further, it was found that it may not be necessary that all allied items including poles, insulators, connectors etc. along with ABC needs replacement. After detailed review, the Authority agrees that replacement and rehabilitation of ABC is a very important task to curtail theft of electricity, given ABCs has been instrumental in reducing the losses of the utility. It is also a fact that consumers previously involved in theft always look for options to damage the ABC infrastructure to revert to the practice of theft, and ABC once damaged becomes susceptible to theft as a bare conductor. Therefore, the requirement of replacement and rehabilitation of ABC is a genuine need for the utility. Therefore, the Authority decides to allow an amount of Rs. 6 billion for ABC Rehabilitation only for initial period of 2 years (FY 2023-24 & FY 2024-25)

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subject to verification & actualization. After two years, the remaining requested amount shall be decided in the light of Annual Audit/Monitoring by 3rd party. However, it is found from the data of KE that execution of this project starts from 2026 onwards, therefore, the Authority directs KE to claim this cost that time, after firming up the BOQ subject to verification by the independent consultant or through NEPRA.

Faulty Meter Replacement:

150. KE has claimed an investment of Rs. 14,418 Million for replacement of faulty meters. Since, meters are sophisticated equipment and also prone to weather conditions therefore there are likely chances of damages/faults in meters. Moreover, these meters are cash boxes of any distribution company, thus, the FMR replacements are supported. However, the escalation factors used by KE have been rationalized.

Network Rehabilitation:

151. KE has claimed a cost of Rs. 15,279 Million for network rehabilitation on 1,132 feeders which includes covering the bare conductor & exposed conducting parts to avoid accidents and to ensure safety, service continuity and reduction in technical losses. Also, rehabilitation of 1,132 feeders will be done to improve SAIFI and SAIDI by reducing faults. Accordingly, the claimed cost under this head is being allowed, however, the escalation factors used by KE have been rationalized.

Loop Splitting:

152. KE has claimed an investment of Rs. 3,505 Million for loop splitting which includes reducing lengthy lines to maintain voltages drop within prescribed limits and to create operational flexibility in the interconnected ring network. Further, load balancing and load shifting will be done to which ultimately will optimize technical losses. The scope of loop splitting and cost is summarized below. The Authority has decided to approve the claimed cost, however, the escalation factors have been rationalized to make it consistent with DISCOs. The scope of loop splitting projects and their associated costs are summarized below:

Claimed cost and scope of loop splitting projects under head of ELR

| Description | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | TOTAL |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Loop Splitting (No.) | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 420 |
| Loop Splitting (Million Rs.) | 485 | 490 | 495 | 500 | 506 | 511 | 517 | 3,505 |

Escalated and non escalated costs for loop splitting project under head of ELR

| Project | UoM | FY 24 – FY 30 | | | | | | | Total |
|---------------|------|---------------|-----------|-------|-----------|----------|-------|-----|-------|
| | | Qty | Materials | | | Services | RoW | IDC | |
| | | | FCC | LCC | Sub Total | LCC | LCC | LCC | |
| Escalated | PMTs | 420 | 2,268.5 | 190.8 | 2,459.3 | 232.4 | 813.4 | 0.0 | 3,505 |
| Non-Escalated | PMTs | 420 | 1,745.6 | 188.2 | 1,933.8 | 207.2 | 725.3 | 0.0 | 2,866 |

Power Factor Improvement Plants:

153. The Authority noted that K-Electric plans to deploy PFIPs in approximately 95 substations within the LT distribution network to achieve a power factor of 0.95 and ensure adequate

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voltages at consumer premises. These plants aim to reduce technical losses and enhance the overall efficiency of the system. They will be installed at locations where the power factor ranges from 0.65 to 0.85. The deployment plan is given below:

| Year | Count of PFIPs |
|--------------|----------------|
| FY-24 | 0 |
| FY-25 | 25 |
| FY-26 | 25 |
| FY-27 | 25 |
| FY-28 | 20 |
| FY-29 | 0 |
| FY-30 | 0 |
| Total | 95 |

154. The cost bifurcation of PFIF's is given below:

| Escalated and non escalated costs for power factor improvement plants | | | | | | | | | |
|---|-------------|---------------|-----------|------|-----------|----------|-----|-----|-------|
| Project | UoM | FY 24 – FY 30 | | | | | | | Total |
| | | Qty | Materials | | | Services | RoW | IDC | |
| | | | FCC | LCC | Sub Total | LCC | LCC | LCC | |
| Escalated | PFIF Plants | 95 | 32.2 | 79.4 | 111.6 | 26.4 | 0.0 | 0.0 | 138.0 |
| Non Escalated | | 95 | 24.3 | 78.4 | 102.7 | 23.5 | 0.0 | 0.0 | 126.2 |

155. It is revealed that escalation factors of 9% for materials and 12% for services have been used by KE. The escalation factors seem higher therefore notional escalations to the tune of 5% of FCC, 8% for LCC have been incorporated from year 2 to year 7 as per consistent approach with DISCOs.

156. To sum up, keeping in view foregoing analysis and the validations by third party M/s PITCO Fichtner, the Authority hereby allows a total investment of Rs. 43,323 Million on account of ELR Program, summary of which is given below:

| Approved CAPEX for Energy Loss Reduction program (Million Rs.) | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|--------|
| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
| Energy Loss Reduction | 3,954 | 6,428 | 6,580 | 6,738 | 4,399 | 4,522 | 4,703 | 37,323 |
| ABC Rehabilitation | 3,000 | 3,000 | - | - | - | - | - | 6,000 |
| Total Energy Loss Reduction | 6,954 | 9,428 | 6,580 | 6,739 | 4,399 | 4,522 | 4,703 | 43,323 |

157. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 43,323 Million along with major scope of work and timelines of distribution energy loss reduction are attached as Annex-5.

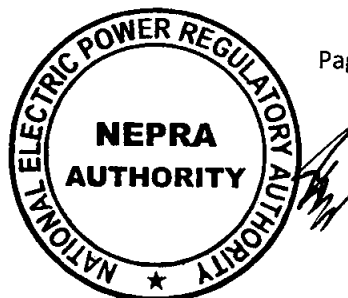
Issue # 12: Whether the claimed cost of Rs. 40,496 Million for maintenance of the distribution network is justified?

SUBMISSIONS OF THE PETITIONER:

158. KE has claimed an investment of PKR 40,496 million, for overhauling and maintenance of the existing distribution network, including the corrective and preventive maintenance of KE's distribution assets. The scope and cost of the distribution maintenance plan is given as under:

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Claimed scope of Distribution Maintenance Projects

| Maintenance HT | | | | | | | | | |
|---------------------------------------|-------|------------|--------|--------|--------|--------|--------|--------|---------|
| Project | Unit | Quantities | | | | | | | |
| | | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| HT cable replacement | Meter | - | 55,000 | 55,000 | 55,000 | 55,000 | 55,000 | 54,000 | 329,000 |
| Load Break Switch | No. | - | 350 | 350 | 350 | 350 | 350 | 350 | 2,100 |
| Protection upkeeping and enhancement | | | | | | | | | |
| CTU for incoming (Primary S/S) | No. | - | 333 | 186 | - | - | - | - | 519 |
| CTU for outgoing (Primary S/S) | No. | - | - | 507 | 529 | - | - | - | 1,036 |
| Replacement of Old/ Obsolete Relays | No. | - | 370 | 329 | - | - | - | - | 699 |
| Deteriorated OCB to VCB (Primary S/S) | No. | - | 380 | 380 | 380 | 380 | 380 | 375 | 2,275 |

Claimed cost of distribution maintenance projects

| Maintenance | | | | | | | | |
|---------------------------------------|--------|-------|-------|-------|-------|-------|-------|--------|
| Project | PKR Mn | | | | | | | |
| | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| Corrective Maintenance | 2,298 | 2,238 | 2,135 | 1,956 | 2,390 | 2,240 | 2,180 | 15,437 |
| Corrective Maintenance | 2,298 | 2,238 | 2,135 | 1,956 | 1,676 | 1,525 | 1,416 | 13,243 |
| Periodic Maintenance | - | - | - | - | 714 | 715 | 764 | 2,194 |
| TSW | 1,216 | 1,171 | 1,175 | 1,162 | 1,135 | 1,152 | 1,099 | 8,110 |
| Deteriorated HT cable replacement | - | 781 | 789 | 797 | 806 | 815 | 809 | 4,797 |
| Load Break Switch | - | 126 | 128 | 129 | 131 | 133 | 135 | 781 |
| Protection upkeeping and enhancement | - | 184 | 171 | 29 | - | - | - | 384 |
| CTU for incoming (Primary S/S) | - | 60 | 34 | - | - | - | - | 94 |
| CTU for outgoing (Primary S/S) | - | - | 28 | 29 | - | - | - | 57 |
| Replacement of Old/ Obsolete Relays | - | 124 | 110 | - | - | - | - | 234 |
| System Improvement Plan | 566 | 560 | 560 | 559 | 558 | 558 | 558 | 3,919 |
| PSC | 171 | 171 | 171 | 171 | 171 | 171 | 171 | 1,198 |
| SIP - Consumer Funded | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIP – Others | 394 | 389 | 389 | 388 | 387 | 387 | 386 | 2,721 |
| Deteriorated OCB to VCB (Primary S/S) | - | 606 | 614 | 622 | 628 | 637 | 637 | 3,743 |
| Civil | 574 | 605 | 511 | 442 | 340 | 355 | 498 | 3,326 |
| Civil | 450 | 471 | 365 | 442 | 340 | 355 | 498 | 2,922 |
| Customer Services | 123 | 135 | 146 | - | - | - | - | 404 |
| Maintenance Total | 4,653 | 6,270 | 6,082 | 5,697 | 5,989 | 5,889 | 5,915 | 40,496 |

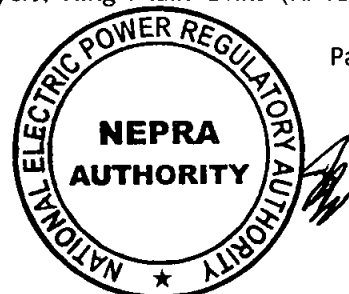
Corrective Maintenance:

159. The Petitioner has put forward a corrective maintenance plan to enhance reliability and quality. According to KE, to ensure uninterrupted power supply until the planned initiatives take effect by 2030, it has allocated a budget of **PKR 15,437 Million**. This investment also considers the improvements in the KE distribution network, covering aged and obsolete infrastructure, not included in the Network Improvement Plan ("NIP").

Network Rehabilitation:

160. KE submitted that to ensure the reliability and efficiency of the network, investments in NIP are being planned to enhance and rehabilitate the common distribution network at the LT level, considering the current loads at the PMT level and expected future load growth. According to KE, this proactive approach will prevent the overloading of the network and improve its indices. Furthermore, the addition of redundancy layers, Ring Main Units (RMU), Vacuum

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Circuit Breaker (VCB), and 11kV feeders, as well as the replacement of deteriorated HT cables and load switch breakers, will significantly enhance the network's performance. KE submitted that the NIP is a crucial initiative for the upcoming control period, ensuring long-term sustainable reliability and operational efficiency with benefits like effective asset management, predictive maintenance, and centralized monitoring of asset loading.

Load Break Switch & System Improvement Plans:

161. Replacement of Knife Switches with SF6 type Load Break Switch (LBS) is also considered for online operation and quick restoration of supply. KE informed that since a major portion of its system is underground (directly buried) and consequently the identification of faults requires more time along with approvals from civic agencies, therefore, KE plans installation/replacement of Load Breaker Switches (LBSs), which require dividing feeders into loops.

Protection Regime:

162. KE submitted that the protection framework is focused on enabling distribution protection layers on 11kV outgoing loops to localize the faults as near as the fault point and minimize the number of consumers affected during an outage, thus improving SAIFI of the distribution system. According to KE, this plan also includes the replacement of obsolete protection relays with new relays on outgoing loops of 11kV primary substations. KE informed that one reason for the underperformance of self-powered relays is activation of sleep mode due to feeders running on low load. The new design scheme considers the use of auxiliary power (through the Capacitor Unit) on selected underperforming self-powered relays so that protection relays' performance will be independent of the feeder loading.

Distribution Primary & Secondary Substations:

163. Another major contributor to network faults is substation equipment. The replacement of most deteriorated OCBs with VCBs of only primary sub-stations is being considered which would assist in fault reduction, asset upkeep, and timely restoration of supply. The protection is activated at the first terminating point of each feeder by replacing existing switches with new VCBs having relays with the enhanced facility of broken conductor feature to ensure public safety. Without OCBs replacement with VCB panels, KE informed it will not be possible to establish a protection regime to limit the spread of outages.

Underground Cable Network:

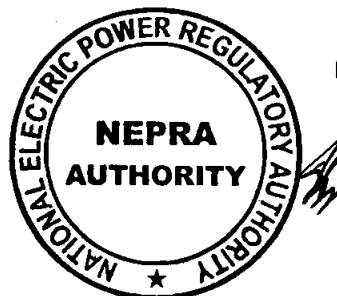
164. Underground system is another area where outages are observed. The root cause of such faults is cable pickaxe by civic agencies, aged and deteriorated underground cables, therefore replacement of selected deteriorated HT cables is proposed to mitigate main and linking cable faults. This initiative will help in reducing TAT for fault resolution as underground faults take most of the time to locate and clear the faults due to right-of-way issues.

Transformer & Switchgear Workshop:

165. Despite above mentioned investment, there will still be many aged Distribution transformers and outdated switch gears that require regular maintenance and refurbishment (if necessary) through TSW. To ensure continuity of service, KE plans to invest PKR 8,110 million to improve

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TSW capability. TSW is also geared up to play a vital role in sustainable and reliable network performance through Asset Maintenance covering the complete lifecycle of major Distribution Equipment.

Civil Works:

166. Under civil works, the planned investment majorly pertains to the reconstruction of old and damaged distribution substations.

COMMENTS OF STAKEHOLDERS:

167. Moin Fudda and Ahmed Awais Thanvi submitted that the maintenance and attending the faults is much better in KE as compared to DISCOs. The transformation is visible viz-a-viz fault attendance and maintenance compared with KESC under government control.

OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY:

168. K-Electric has claimed an overall investment of Rs. 40,496 Million under the head of distribution network maintenance, which is summarized below:

Summary of claimed scope and cost of distribution maintenance program

| Projects | UOM | Qty | Million Rs. |
|---|-----|-------|---------------|
| Corrective Maintenance | - | - | 13,243 |
| Periodic Maintenance | - | - | 2,194 |
| System Improvement Plan – Others | - | - | 2,721 |
| System Improvement Plan (Public Sector) | - | - | 1,198 |
| Transformer & Switchgear Workshop | - | - | 8,110 |
| HT Cable Replacement | KM | 329 | 4,797 |
| Civil & Customer Services | - | - | 3,326 |
| Load Break Switch (LBS) | No | 2,100 | 781 |
| Protection Upkeeping and Enhancement | No | 2,254 | 384 |
| OCB to VCB conversion | No | 2,275 | 3,743 |
| Total | | | 40,496 |

Corrective & Periodic Maintenance:

169. KE has requested an amount of Rs. 15,437 Million on account of corrective and periodic maintenance. This is bifurcated into Rs. 13,243 Million for corrective maintenance and Rs. 2,194 Million for periodic maintenance. The Authority is of the view that the periodic maintenance is part of O&M and the same may be treated in the tariff determination under the O&M head, therefore, the claimed cost of Rs 2,194 is excluded and the remaining cost of Rs. 13,243 Million is allowed, but with some rationalization.

System Improvement Plan:

170. The overall cost of Rs. 3,919 Million has been claimed by KE for the system improvement plan, which is bifurcated into Rs. 1,198 Million for public sector system maintenance and Rs. 2,721 Million for other maintenance works. The Authority is of the view that such cost is part of O&M

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therefore the same has been excluded, and shall be treated in the tariff determination under the O&M head.

Transformer & Switchgear Workshop, HT cable replacement:

171. KE also claimed an investment of Rs. 8,110 Million on account of maintenance and refurbishment of aged distribution transformers and outdated switch gears and Rs. 4,797 Million for replacement of damaged/deteriorated underground cables. The Authority thinks that the timely repair of transformers and switch gears is also essential for the continuity of supply therefore these investments are also supported, however, the claimed costs have been rationalized.

Civil works and Customer Services:

172. KE has requested an investment of Rs. 3,326 Million for the repair/reconstruction of old grid stations (civil works) and customer services centers, details thereof are given in Annex. Keeping in view that the consumers may not face any difficulty and get proper facilities, the Authority supports the customer services establishment/upgradation and Grids/offices civil works.

Load Break Switch:

173. KE has requested an investment of Rs. 781 Million for the conversion of replacement of Knife Switches with SF6 type Load Break Switch (LBS) for online operation and quick restoration of supply. The Authority keeping in view the importance of LBS supports this initiative, however, the claimed cost has been rationalized.

Protection Regime and OCB replacements:

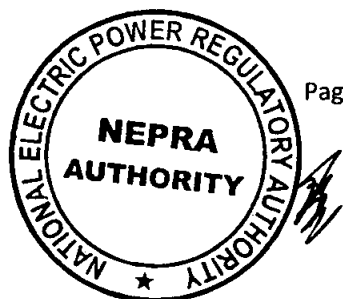
174. The Authority noted that KE submitted a plan for the replacement of old OCB circuit breakers with VCB circuit breakers which have less maintenance cost and will assist in fault reduction, asset upkeep, and timely restoration of supply. The protection is activated at the first terminating point of each feeder by replacing existing switches with new VCBs having relays with the enhanced facility of broken conductor feature to ensure public safety. Without OCBs replacement with VCB panels, it will not be possible to establish a protection regime to limit the spread of outages. The Authority keeping in view the importance of protection upgrade and VCB in ensuring public safety against broken conductors and elimination of fatalities supports the initiative, however, the claimed cost has been rationalized.
175. In view of the foregoing analysis and the validations by third-party M/s PITCI Fichtner, the Authority approves an amount of Rs. 29,919 Million under the head of maintenance and replacements of aged/deteriorated equipment to ensure safety of public and continuity of supply, summary of which is given hereunder:

Approved cost of Distribution Maintenance Program (Million Rs.)

| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|--------|
| Distribution Maintenance | 3,425 | 5,021 | 4,840 | 4,498 | 4,115 | 4,021 | 4,000 | 29,919 |

176. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 29,919 Million along with major scope of work and timelines of distribution maintenance program is attached as Annex-T.

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Issue# 13: Whether the investment of Rs. 25,858 Million against distribution Safety is justified?

SUBMISSIONS OF THE PETITIONER:

177. The Petitioner stated that the workplace and public safety under the jurisdiction of KE's network is of paramount importance. To reinforce safety standards, under the investment plan, KE has enhanced the scope of its Safety and Protection projects to ensure a safe and reliable supply of power to its consumers. KE submitted that additional investments have been proposed in Safety & Protection projects, keeping in view the ground realities and learnings from the 2019 Monsoon. Moreover, the Petitioner stated that the monsoon rains usually hit Karachi from July to September each year and there has been no major variation in the timeline of the Karachi monsoon season over the past 25 years. According to data collected by the Pakistan Meteorological Department, Karachi's average annual rainfall ranges from 10 to 150 mm. The erratic amount of rainfall on an annual basis result in urban flooding which is particularly perilous for vulnerable infrastructure.
178. KE then talked about the external factors which are beyond its control, such as encroachment and illegal use of its network. The Petitioner stated that it is continuously engaging with relevant stakeholders and pursuing the matter in the Honorable courts of Pakistan to resolve the issue. However, to enhance safety, KE informed that it shall carry out the Public Accident Prevention Plan ("PAPP") under which entire 3 sub-projects will be executed: a) Replacement of Dilapidated Poles, b) Replacement of hazardous MSBB and c) Shifting of PMTs. The summary of scope of safety program in the distribution segment and the claimed investments are as follows:

Claimed scope of distribution safety projects

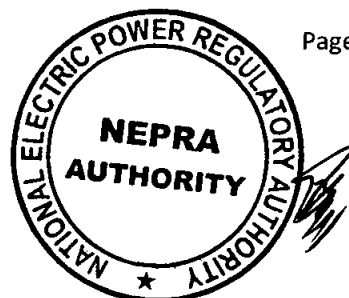
| Project | Unit | Quantities | | | | | | | |
|--|------------------|------------|-------|-------|-------|-------|-------|-------|--------|
| | | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| Public Accident Prevention Program | | | | | | | | | |
| Dilapidated Poles Conductors | Poles | 7,020 | 7,020 | 7,020 | 7,020 | 7,020 | 7,020 | 7,020 | 49,140 |
| PAPP Multi Story Bus Bar (PAPP) | Busbar | 2,900 | 2,900 | 2,900 | 2,900 | 2,900 | 2,900 | 2,900 | 20,300 |
| PMT Shifting (PAPP) | PMT Structure | 210 | 210 | 210 | 210 | 210 | 210 | 210 | 1,470 |
| No Mains | PMTs | 200 | 200 | 70 | 70 | 70 | 70 | 70 | 750 |
| Earthing of Additional Assets / Insulators | | | | | | | | | |
| Earthing of Service Bracket | Bracket | 2,267 | 2,267 | 2,267 | - | - | - | - | 6,800 |
| Special Equipment | No. | - | - | - | - | - | - | - | - |
| Stay Unit Insulators | Insulator | 6,800 | 6,800 | 6,800 | 6,800 | 6,800 | - | - | 34,000 |
| Encroached OH to UG Cable | KM | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 112 |
| Installation of DBs | No | 607 | 607 | 607 | 607 | 607 | 607 | 607 | 4,250 |
| PMU on Wheels | PMUs | 15 | 5 | 5 | - | - | - | - | 25 |

Claimed cost of distribution safety projects

| Project | PKR Min | | | | | | | |
|--|---------|-------|------|------|------|------|------|-------|
| | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| Public Accident Prevention Programs | | | | | | | | |
| Dilapidated Poles & Conductors | 831 | 843 | 855 | 867 | 878 | 891 | 904 | 6,069 |
| Multi Storey Bus Bar (PAPP) | 254 | 252 | 253 | 254 | 254 | 256 | 257 | 1,780 |
| PMT Shifting (PAPP) | 281 | 281 | 284 | 287 | 289 | 292 | 294 | 2,008 |
| No Mains | 2,454 | 2,488 | 881 | 891 | 901 | 912 | 923 | 9,450 |

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| Earthing of Additional Assets / Insulators | | | | | | | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Earthing of Service Bracket | 710 | 712 | 721 | - | - | - | - | 2,142 |
| Special Equipment | 64 | 64 | 96 | 64 | 32 | 32 | 32 | 384 |
| Stay Unit Insulators | 136 | 136 | 136 | 136 | 136 | - | - | 679 |
| Tools | 111 | 116 | 121 | 126 | 131 | 137 | 142 | 884 |
| Encroached OH to UG | 192 | 193 | 195 | 198 | 200 | 202 | 204 | 1,385 |
| Installation of DBs | 71 | 73 | 74 | 74 | 75 | 76 | 77 | 521 |
| PMU on Wheels | 333 | 111 | 111 | - | - | - | - | 555 |
| Safety Total | 5,438 | 5,268 | 3,726 | 2,897 | 2,897 | 2,797 | 2,834 | 25,858 |

Replacement of Dilapidated Poles – Under Public Accident & Prevention Plan (PAPP):

179. KE stated that due to aging factors, steel poles have become quite rusty, dilapidated, and hazardous itself and may cause a safety incident if not properly mitigated. Therefore, it is essential to replace such hazardous poles to mitigate the risk thus significantly enhancing the overall safety of the network.

Replacement Hazardous MSBB – Under Public Accident & Prevention Plan (PAPP):

180. The Petitioner submitted that installation of Static Meters along with Bus-Bar arrangement is known as MSBBs (Multi-Story Busbars). It is being installed for building having multi-stories or apartments in Karachi. The bus-bar allows multi users to be fed from common point. In Karachi, most of the old structured buildings, where meters are installed in multi-story manners can become deteriorated and dilapidated, therefore replacement with proper bus-bar arrangement is required to mitigate the hazard timely. The aging and pilferage of bus-bars doors causes serious hazard of open electrical connection for residence and KE staff (Meter Reader and Lineman) as well.

Shifting of PMTs – Under Public Accident & Prevention Plan (PAPP) :

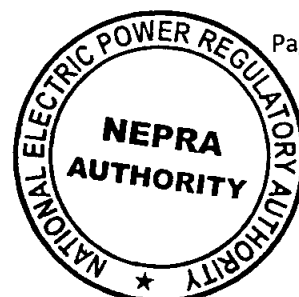
181. KE briefed the Authority that timely shifting of CDS PMTs from hazardous dilapidated structure to healthy structure will ultimately prevent the public accidents and enhance the reliability of network. Around 210 PMTs per year have been targeted against a count of around 20k CDS PMTs in KE system (which is around 1% of count per year).

Electrification of Hazardous / No Mains areas:

182. KE mentioned that Karachi is unique in its demography, development trends and socio-economic outlook than rest of the country. About 64% of the population reside in informal settlements on only around 23% of the city's residential land that mainly make up the high loss areas. While around 36% of the population live in "planned" settlements on 77% of the city's residential land. Despite its small share of the occupied land, informal sector meets over 50% of the city's housing needs. The population residing in unplanned settlements obtain access to electricity through illegal means (carrying nonstandard electrical wires from nearest PMTs) which makes the unwarranted system prone to accidents and safety hazards. Therefore, it is important to eliminate the chances of any accident through the illegal abstraction of electricity and to provide safe and reliable power to consumers. Further, the use of substandard material by locals due to no mains also results in deterioration to the existing KE system. In this regard, KE is continuously working on electrifying no mains areas through various schemes which are

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designed for consumers in far flung areas where power is being used through illegal infrastructure.

Earthing of Additional Assets / Insulators / Tools:

183. KE mentioned that as part of its safety and protection projects, it shall continue to monitor and maintain the earthing / grounding of all its metallic infrastructure that is connected to ground, to ensure safe and reliable supply of electricity to consumers. The potential benefits of the project include Protection against unfortunate incidents, avoid risk of fire due to leakage current through unwanted path; and avoid electric shock to persons who may be in contact with the network pole, earthing of Service Bracket will enable KE to ensure safe and reliable supply of electricity up to consumers premises. Further, stay unit insulators have been planned to mitigate the leakage current on upper part of pole brackets. This is due to the fact that stay wire is conductive in nature and is directly connected with the pole bracket, which can become a probable path of conduction in case of wire broken.

Encroached OH to UG:

184. Petitioner briefed the Authority that as per world population review, Karachi is the largest and most populous metropolitan city in Pakistan. Karachi's rapid growth and massive migration mean nearly 5 million people, or 50% of the population, in 2000 lived in slums, a number that is believed to have grown. Further as per NEPRA Safety Code, KE has to maintain safe clearance distance from Overhead Lines to consumer premises. This can only be maintained through converting Overhead HT to Underground Cables.

Installation of Distribution Boxes (DB):

185. Petitioner also mentioned that at present, Pole Mounted Transformer's allied protection and distribution equipment is divided into multiple individual boxes made of MS steel enclosures. This causes complexity in design, operations and issues relating to environmental conditions causing corrosion which eventually affects reliability and longevity. Therefore, it has envisaged installation of distribution boxes to over this challenge.

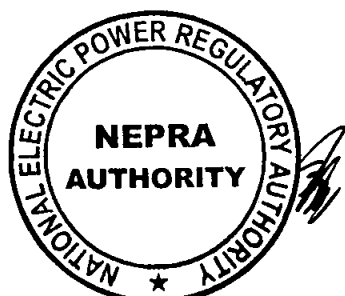
PMU on wheels:

186. KE had envisaged a plan for reconstruction of 668 substations across the next MYT control period, for this purpose a trolley with PMU provision has been designed to provide temporary supply during reconstruction phase of Substation.

COMMENTS OF STAKEHOLDERS:

187. Korangi Association of Trade and Industry submitted that the city is expanding on the outskirts and laying of infrastructure must begin today if these customers are expected to use electricity. Mr. Hafiz Naeem submitted that the fatal accidents are higher in Karachi as compared to DISCOs in past five years. However, during, the unprecedented monsoon in 2022 apparently no fatalities happened as massive earthing of poles was done on directions of NEPRA.

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OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY

188. The summary of investment claimed by KE under the head of the Safety is given below:

Summary of claimed cost and scope of distribution safety projects

| Projects | UOM | Qty | Rs in Mn |
|---------------------------------------|----------------|--------|---------------|
| Dilapidated Poles & Conductors (PAPP) | Poles | 49,140 | 6,069 |
| PMT Shifting (PAPP) | PMT Structures | 1,470 | 2,008 |
| Multi Storey Bus Bar (PAPP) | Bus Bar | 20,300 | 1,780 |
| No Mains | Schemes | 750 | 9,450 |
| Earthing of Service Bracket | PMTs | 6,800 | 2,142 |
| Encroached Overhead to Underground | Km | 112 | 1,385 |
| Stay Unit Insulators | Insulators | 34,000 | 679 |
| Installation of DBs | NO | 4,250 | 521 |
| Pad Mounted Unit on Wheels | PMUs | 25 | 555 |
| Special Equipment & Tools | - | - | 1,268 |
| Total | - | - | 25,858 |

Dilapidated Poles & Conductors, PMT Shifting & Multi Story Bus Bar:

189. It is observed by the Authority that KE has claimed an investment of Rs. 8,077 Million for poles, conductors and PMT structures which are posing threat to general public and needs immediate replacement. The Authority keeping in view the importance of human life supports this initiative, however, the cost claims have been rationalized. Regarding, the Multi Story Bus Bar for meters and installation of Static Meters for Apartments and old building, the Authority is of the opinion that such replacements are more aligned towards KE's O&M head, therefore, decided not include this amount in the investment head.

No Mains Scheme:

190. Authority noted that KE has claimed investment of Rs. 9,450 Million for no mains scheme which is aimed for consumers in far flung areas where power is being used through illegal infrastructure. The Authority is of the opinion that all such areas are informal settlements without NOCs from relevant agencies, therefore, such investments are subject to fulfilment of all codal formalities by KE from relevant civic agencies as per applicable laws and submission of same for the satisfaction and approval of Authority. Furthermore, KE may involve the local community as well in such areas so that sense of ownership prevails and theft of material in these areas where writ of KE is minimal is avoided.

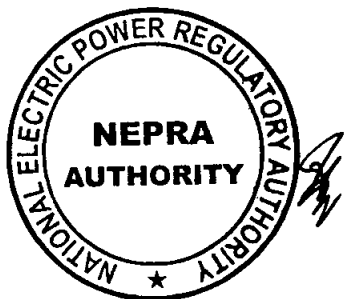
Earthing of Service Brackets, Encroached OH and Stay Insulators:

191. The Authority observes that earthing is key element to avoid electrocution incident especially in wet season. Therefore, the investment claimed are supported keeping in view the safety of public, however, the claimed amount has been rationalized.

Installation of DBs, PMU on Wheels and Special Equipment & Tools:

192. The Authority feels that claimed investment are important for ensuring the safety of staff, public and continuity of supply.

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193. In view of foregoing analysis and the validations by third party M/s PITCI Fichtner, the Authority approves an amount of Rs. 20,546 Million under the head of Distribution Safety. The details of allowed investments are given below:

Approved cost of distribution safety projects (Million Rs.)

| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Distribution Safety | 2,258 | 2,207 | 2,244 | 1,519 | 1,500 | 1,390 | 1,399 | 12,517 |
| No Mains* | 2,046 | 2,162 | 759 | 762 | 764 | 767 | 770 | 8,029 |
| Total Distribution Safety | 4,304 | 4,369 | 3,003 | 2,281 | 2,264 | 2,157 | 2,169 | 20,546 |

* No Mains investment is subject to fulfillment of all codal formalities by KE from relevant civic agencies as per applicable laws and submission of same for the satisfaction and approval of the Authority.

194. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 20,546 Million along with major scope of work and timelines of distribution safety projects are attached as Annex-U.

Issue # 14: Whether the distribution loss reduction of 2.3% during MYT control period i.e. from 13.8% in FY24 to 11.5% in FY30 is justified?

SUBMISSIONS OF THE PETITIONER:

195. KE stated that the loss reduction initiatives would harness an improvement in distribution loss of 2.3% taking it from a projected 13.8% (FY 2022-23) to 11.5% (FY 2029-30) in the next 7 years. According to KE, this improvement will be derived from two major areas of improvement, i.e. commercial loss reduction and technical loss reduction. As per the information submitted by KE, the year-wise improvement of distribution loss will be as follows:

Claimed distribution system losses for next 7 years

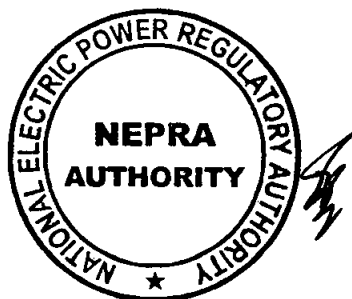
| Description | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Distribution Loss | 13.8% | 13.5% | 13.1% | 12.7% | 12.3% | 11.9% | 11.7% | 11.5% |

196. KE highlighted that due to the adverse impact of Solar PV penetration on the consumer mix, the losses are expected to increase by 0.8%. To offset this impact and to ensure a reduction in commercial losses, a loss reduction plan has been targeted through comprehensive ABC regimes through which KE targets to convert the rest of high-loss PMT pockets in low-loss areas to be converted to ABC, rehabilitation of deteriorated ABC cables due to blatant theft and replacement of ABC cables after completing useful life period for better performance. These investments will be complemented with strict governance regimes to be implemented to restrict the deterioration of ABC cables and attain the targeted performance of administrative losses.
197. Further, KE briefed the Authority that it undertook a detailed evaluation of technical losses, as per international practices, of its distribution network to prioritize actions for technical loss reduction by identifying areas & equipment that most contribute to technical losses. This loss evaluation study has also been validated by the consultant.

COMMENTS OF STAKEHOLDERS:

198. The T&D losses of K-Electric are higher than state-owned companies in the country i.e. IESCO, LESCO, FESCO, GEPCO, MEPCO, and TESCO.

7



OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY:

199. The Authority while reviewing the above submissions of KE, observed that KE has achieved NEPRA's T&D losses targets in the previous MYT, as shown below:

| Historic trend of T&D losses of KE | | | | | | | |
|------------------------------------|-------|-------|-------|-------|-------|-------|-----------|
| FY | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 (Pr) |
| Actual T&D Losses | 21.70 | 20.40 | 19.10 | 19.70 | 17.50 | 15.30 | 14.70 |
| Target by NEPRA | 20.90 | 19.80 | 18.75 | 17.76 | 16.80 | 15.95 | 15.36 |

200. The Authority keeping in view the validation of M/s PITCO Fichtner approves the distribution loss of 13.46% for FY 2023-24, and 11.48% for the last year of MYT control period i.e. FY 2029-30. The approved year-wise distribution losses are given below:

| Approved distribution system losses targets of KE for next 7 years | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|
| Description | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | FY 2029-30 |
| Distribution Loss Target % | 13.46 | 13.14 | 12.70 | 12.25 | 11.93 | 11.67 | 11.48 |

201. On overall basis, the Authority has decided to approve a reduction of 1.95 percentage points in T&D losses, on the basis of validations by 3rd party consultant M/s PITCO Fichtner i.e. from 14.58% (FY 2023-24) to 12.63% (FY 2029-30). The year wise targeted T&D losses are tabulated as under:

| Approved overall T&D losses Targets for next 7 years | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|
| Description | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | FY 2029-30 |
| Distribution Loss Target % | 13.46 | 13.14 | 12.70 | 12.25 | 11.93 | 11.67 | 11.48 |
| Transmission Loss % | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 |
| T&D Loss Target % | 14.58 | 14.27 | 13.83 | 13.39 | 13.07 | 12.82 | 12.63 |

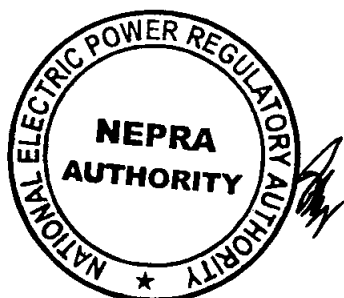
202. Furthermore, the Authority decides that in the event KE achieves T&D losses lower than the allowed targets for the respective year, the benefit of additional reduction in losses for that particular year shall be shared with consumers and K-Electric in the ratio of 75:25 respectively. The benefit shall be shared through a reduction in tariff for that year by reworking all relevant adjustments linked with T&D losses.

Issue # 15: SCADA and other Automation equipment: whether the claimed cost Rs. 9,682 Million for SCADA upgrade is justified?

SUBMISSIONS OF THE PETITIONER:

203. The Petitioner submitted that the Supervisory Control and Data Acquisition ("SCADA") system has been operational since 2009. KE submitted that at present, the entire KE network including all grid stations and generation plants are adopted and are being monitored/controlled through Supervisory Control and Data Acquisition (SCADA). Following are the key benefits that are yielded from the utilization of SCADA:

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- i. Effective monitoring and control of the system
- ii. Efficient Management of Real-Time Operations through utilization of different application
- iii. Digitalization of Conventional Processes
- iv. Utilization of SCADA applications for achieving operational excellence

204. KE informed that it has upgraded the SCADA SINUAT spectrum from 4.5 to 4.7 in 2019. The Petitioner stated that the SCADA system will be required to be upgraded in 2028 due to changes in technology. According to KE, the upgraded version is required to ensure the visibility of the network which will allow effective monitoring and control of the system for efficient management of real-time operations. The scope of the Upgradation of Telecom network/SCADA work, as submitted by KE, is given below:

- i. SCADA upgrade is planned in FY 2029 and 2030 with an estimated total capex of PKR 7,477 million.
- ii. SCADA server for DRC Redundancy is planned in FY 2029 and 2030 with an estimated total capex of PKR 771 million.
- iii. Oracle Server upgrade is planned in FY 2029 and 2030 with an estimated total capex of PKR 1,433 million.
- iv. The total cost of SCADA is 9,682 Million

205. The Petitioner briefed that without the proposed upgrade, operators will not be able to use supervisory control features, EMS technology, reporting, and archiving functionalities. Overall, the performance and availability of SCADA services will be at risk due to obsolete operating systems, databases and other third-party software dependencies along with frequent downtime/interruption that may impact business continuity.

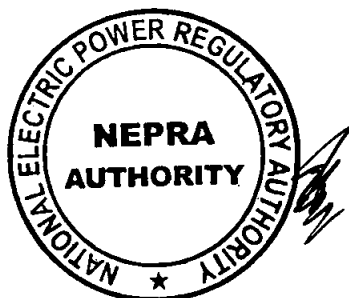
OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY:

206. The Authority deliberated on the submissions of KE combined with the validation of M/s PITCO Fichtner, and is of the opinion that upgradation of SCADA is necessary to keep pace with modern technological advancement to yield maximum benefits. However, the Authority directs KE to ensure that the KE's SCADA shall have the compatibility with NTDC's SCADA program.

207. With respect to the cost claims, it is noted that the SCADA investments do not segregate the cost of duties from equipment/material cost. Therefore, the equipment cost of Rs. 5,697 Million has been assumed by deducting 15% duties. Accordingly, the Authority hereby approves the investment of Rs. 8,161 Million for SCADA upgradation. The approved year wise investments are given below:

Approved CAPEX for SCADA upgradation and other automation equipment (Million Rs.)

| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| SCADA & Other Automation Equipment | - | - | - | - | - | 3,078 | 5,083 | 8,161 |



208. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 8,161 Million along with major scope of work and timelines of SCADA upgradation and automation equipment is attached as Annex-V.

Issue # 16: Whether the claimed cost of Rs. 5,701 Million for AMR coverage and digitization of customer's services is justified? Whether the AMR coverage on the distribution transformer (PMT) level is only for monitoring the consumption or it have control/ remote connection and disconnection features as well at PMT level?

SUBMISSION OF PETITIONER:

209. KE stated that it has placed AMRs on its Distribution Transformers to regulate energy accounting from Feeder to Distribution Transformers and from Distribution Transformers to consumers. KE further stated that it has currently 30,000 Distribution Transformers and all of them have AMRs installed as Check-Meter. Moreover, the AMRs are also installed on consumers having load of 25 kW and above.

210. Further, KE briefed the Authority that the AMR installed at PMT level are used for monitoring the Reliability, Energy Consumption, Outage analysis, Voltage profiles, Loading profile, Power factor profile, Simulation studies, Load curve analysis of the distribution transformer. The scope and cost of AMR coverage and digitization of services as provided by KE are given below:

Claimed scope of AMR and customer services digitization

| Project | Unit | Quantities | | | | | | | |
|---|--------|------------|-------|-------|-------|-------|-------|-------|--------|
| | | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| AMR Coverage | Meters | 6,046 | 5,201 | 5,201 | 5,201 | 5,201 | 5,201 | 5,201 | 37,249 |
| Power Quality Analyzers | No. | - | 50 | 50 | - | - | - | - | 100 |
| Commercial Digitization - Technology HHU Devices | No | 293 | 293 | 293 | 293 | 293 | 293 | 293 | 2,051 |
| Commercial Digitization - Mobility Solution (SIR Digitization) | No | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 749 |
| Commercial Digitization - Mobility Solution (RCDC Digitization) | No | 72 | 63 | 63 | 63 | 63 | 63 | 63 | 450 |
| PQ Work Bench | No. | 1 | - | - | - | - | - | - | 1 |

Claimed cost of AMR and customer services digitalization

| Project | PKR Mn | | | | | | | |
|--------------------------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| AMR Coverage | 767 | 654 | 657 | 660 | 662 | 666 | 669 | 4,736 |
| Power Quality Analyzers | - | 65 | 65 | - | - | - | - | 129 |
| Customer Services Digitization | 84 | 124 | 171 | - | 39 | 24 | 82 | 523 |
| Commercial Digitization | 44 | 43 | 43 | 43 | 43 | 43 | 43 | 301 |
| PQ Work Bench | 13 | - | - | - | - | - | - | 13 |
| Total | 908 | 886 | 936 | 703 | 744 | 733 | 794 | 5,701 |



Automated Meter Reading Coverage:

211. KE has claimed PKR 4,736 Million for the captioned head. The Petitioner submitted that it has placed Automatic Meter Readers ("AMRs") on its 30,000 Distribution Transformers and on Consumers with a load of 25 kW and above. According to KE, the company plans to extend AMR coverage to all PMTs and high-end consumers, and with planned initiatives, KE expects a substantial improvement in reliability indices by the end of the tariff control period. The year-wise details of AMR to be installed, as per KE, are given below:

The year wise details of AMR to be installed by KE

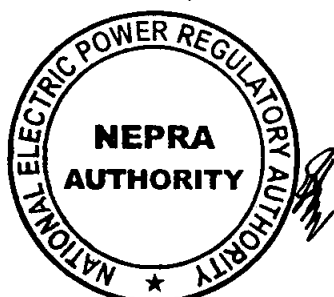
| Description | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Total |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| AMR to be installed on PMTs (Nos) | 0 | 327 | 327 | 327 | 327 | 327 | 327 | 1,962 |
| Faulty AMR Replacement (Nos) | 3,796 | 2,951 | 2,951 | 2,951 | 3,135 | 3,135 | 3,136 | 22,052 |
| AMR on Consumers > 25 kW | 2,250 | 2,250 | 2,250 | 2,250 | 2,066 | 2,066 | 2,065 | 15,197 |

Customer Services Digitization:

212. The Petitioner has claimed PKR 523 Million, and stated that it plans digitization of customer services that include projects covering billing, payment of bills through KE live app/online banking, online registration of complaints, customer call center service (IBCs), requests for a new connection/disconnection. The list of the customer services digitization as submitted by KE is as follows:

- i. GENESYS UPGRADE: Contact center telephony solution which includes IVR services also to be upgraded. Support continuation along with enablement of new features to be part of this upgrade.
- ii. KE LIVE APP REVAMP Feature enhancement on KE Live mobile Application for customer facilitation along with AI based customization of the App.
- iii. ROUTINE REPLACEMENT OF FRONT-END LAPTOPS Replacement of old and depreciated laptops for front end staff to serve the customers effectively.
- iv. CHATBOT: Conversational Chatbot solution which will be integrated with current customer facing channels where customer will chat with an automated solution.
- v. QMS Revamp Queue Management system used for service centres. Upgrade of QMS is planned which will enable new features and help to improve Customer Service.
- vi. CONVERSATIONAL IVR Conversational based IVR which will allow customers to speak to IVR in a human like interaction way and help in deflection of calls towards digital & also increase digital adoption.
- vii. AVAYA E-LEARNING MODULE: Learning management system which will help to cascade information amongst frontend staff and ensure e-learning based training facility for customer facilitation.
- viii. Robotic Process Automation: Workflow Automation with RPA solution which will help to complete tasks which are repeated in nature and static in process.
- ix. Others: Other Projects include Artificial Intelligence based call routing, VR based customer care, analysis of interactions and highlighting keywords and sentiments and a complete self care menu for non-smart phone users.

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Commercial Digitization:

213. KE submitted that commercial technology projects amounting to **PKR 301 million** are also planned for the next control period. The commercial digitization projects include HHUs for meter readings, digitization of Reconnection and Disconnection requests, and Site Inspection Reports. The year-wise details of claimed costs and other different areas under this head are given below:

| Project Name | PKR Mln | | | | | | | |
|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| RCDC Digitization | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 41 |
| Site Inspection Report Digitization | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 70 |
| HHU Devices Replacement | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 190 |
| Total | 44 | 43 | 43 | 43 | 43 | 43 | 43 | 301 |

- i. **SIR/FMR Digitization:** Currently, survey details are being recorded on site manually on paper which are then punched into SAP by IBC Staff. Digitization enables digital record-keeping of site inspections for theft and faulty meter replacements by assigning handheld devices to meter inspection officers (MIO). This digitization also includes New Connection surveys as New Connection (NC) survey teams will also be equipped with hand-held devices to record site inspection surveys in real time replacing the printed survey forms improving overall New Connection process. Digitization of this process will allow paperless real-time survey report punching, significantly reducing time taken to punch and process survey report in the system, also ensuring a near real-time availability of evidence on discrepant meters. The benefits will extend to elimination of the need for extensive day-to-day printing of proforma and notices, as well as prevent issues caused by misplacement of documents and repetition of work. NC digitization will result in improved revenue generation through a quicker and more efficient process, indicating the pressing necessity of this project. Thus, this project is critical and urgent for commercial loss reduction, which will be ensured through timely processing of surveys, improved governance, MIO productivity monitoring and resultant resource optimization, system recording of evidence (theft/ faulty meter) and route management.
- ii. **Mobile Meter Reading Devices:** The hand-held units (HHU) are critical in the process of meter reading process and provision of new hand-held devices to Meter Readers is needed in place of stolen, damaged, and faulty devices (460 devices replaced in the last 2 years). This is critical for ensuring operational business continuity is maintained and meter reading process remains reliable and accurate through use of Handheld units. Hence, KE will invest **PKR 190 million** on new hand-held units.
- iii. **Disconnection / Reconnection (DCRC) HHU:** KE plans an investment of **PKR 41 million** on DCRC HHUs. This project involves assignment of hand-held devices to DCRC teams to ensure disconnection and reconnection is maintained real-time in system (SAP) and is auto synchronized with the activity on site. It will enable

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digital record-keeping of recovery efforts and disconnection evidence, permitting pictorial evidence to be recorded for each disconnection with ease. Furthermore, the project will assist in ensuring strong governance and efficient workforce management through optimal utilization of resources, which as a result would significantly improve recovery from defaulters and reduce commercial losses.

Power Quality Analyzers:

214. KE has claimed an estimated amount of **PKR 129 million** to enhance the distribution transformer capacity for Power Quality improvement. KE submitted that it is committed to strengthening its bond with its valued customers by maintaining the reliability and quality of its power supply. According to KE, it engaged Siemens Germany to diagnose the source of disturbance in the interconnected power system and advise mitigation solutions to improve overall performance. Thirty key industrial customers from various market segments were included in the measurement-based power quality campaign. The recommendations include installing Power Quality Analyzers and restructuring feeders at the KE end and improving coordination-based protection settings at the customer end.

OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY:

Automatic Meter Reading (AMR):

215. The Authority feels that AMR is very important in energy accounting, reliability, and helpful in recording historic trends of consumption, outages, loading, and voltage profiles of consumers. However, KE still has not been able to implement the control functionality of distribution transformers. The Authority directs KE to focus on the feature of remote operation through AMR as well to achieve maximum benefits of the technology.

Power Quality Analyzers:

216. The Authority observed that KE as per the recommendation of Siemens Germany is going to install around 100 power quality analyzers at the premises of valued consumers to ensure uninterrupted and quality power supply. The Authority feels that this initiative will improve the customer service and attitude of KE toward its valued consumers.

Commercial Digitization:

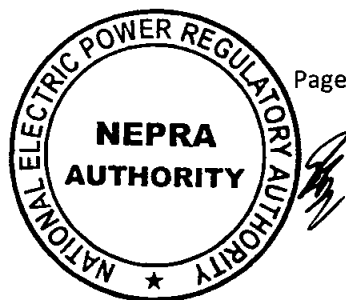
217. The Authority noted that KE plans to procure 3,250 handheld units for mobile meter reading, reconnection disconnection, site inspection reports, and faulty meter replacement. The HHUs are pivotal for accurate meter readings and transfer of meter readings to the central system with minimum human interventions

Customer Service Digitization:

218. The Authority is of the view that digitization and intervention of technology in customer services is the need of the time so that consumers may be able to get the services remotely without visiting the customer service offices. Thus, the initiatives as explained by KE to enhance customer services through technology are supported.

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PQ Work Bench:

219. The Authority observed that KE did not provide any details and benefits to be achieved PQ workbench. Moreover, KE was asked to provide benefits/needs for the PQ workbench, however, no response was received. Therefore, the said amount is disallowed.
220. Given the foregoing analysis and the validations by third-party M/s PITCI Fichtner, the Authority approves an amount of Rs. 4,614 Million under the head of Technology, summary of which is given below:

Approved cost of AMR and digitization of customer services & processes (Million Rs.)

| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|--|------------|------------|------------|------------|------------|------------|------------|--------------|
| AMR | 604 | 540 | 540 | 540 | 539 | 538 | 538 | 3,839 |
| Digitalization of services and processes | 99 | 190 | 228 | 35 | 66 | 55 | 103 | 776 |
| Total Technology | 703 | 730 | 768 | 575 | 605 | 593 | 641 | 4,614 |

221. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 4,614 Million along with major scope of work and timelines of AMR and digitization projects are attached as Annex-W.

Issue # 17: Whether the cost of Rs. 10,828 Million for the Advanced Distribution Management System (ADMS) and Meter Data Management System (MDMS) pilot project is justified?

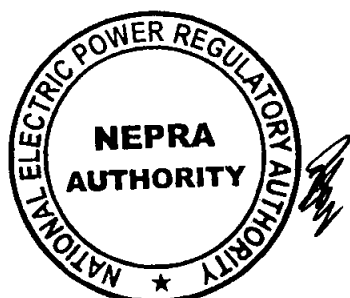
SUBMISSIONS OF THE PETITIONER:

222. KE has claimed an investment of PKR 10,828 Million and submitted that it is investing heavily in the Outage Management System (OMS) in the MYT 2024-2030. OMS integrates with multiple IT and OT systems to provide a comprehensive overview of the network and processes to operations engineers. By collecting data from various sources, OMS can identify potential device failures, assign tasks to field crews, and communicate restoration times. It also provides advanced analytics to optimize outage response strategies and enhance customer satisfaction.
223. Furthermore, according to KE, ADMS and SCADA will be rolled out on 200 feeders in the Korangi cluster as a pilot project to evaluate the efforts required in the implementation of change management associated with the latest technology and smart networks for a successful rollout. The summary of cost claimed under ADMS and MDMS are tabulated below:

Claimed cost of Smart Networks (SCADA pilot project of 200 feeders)

| Project | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
|--|--------------|--------------|--------------|------------|--------------|--------------|------------|---------------|
| ADMS | 1,956 | 1,490 | 736 | 367 | 672 | 323 | 303 | 5,847 |
| MDMS | 279 | 787 | 392 | - | 304 | 363 | - | 2,125 |
| Hardware Upgrades including related Software | 171 | - | 199 | 26 | 706 | 228 | - | 1,330 |
| CYME, R&D, Mobility and others | 303 | 172 | 226 | 221 | 258 | 167 | 179 | 1,526 |
| Smart Network Technology | 2,709 | 2,449 | 1,553 | 614 | 1,940 | 1,081 | 481 | 10,828 |

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224. KE further stated that the selection of the Korangi cluster for this pilot project of smart networks is based on the following considerations:

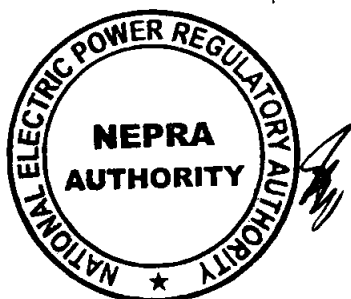
- i. Korangi has a good mix of residential, commercial, and industrial consumers (with a considerable number of industries).
- ii. Korangi has a relatively better environment for technology adaptation compared to other clusters.
- iii. The Korangi cluster has a reasonable number and mix of 200 feeders considering the first phase of rollout.
- iv. Considering major change management associated with the new technology, the selected Cluster will be ring-fenced for deployment of administrative changes.
- v. OMS will be deployed across all clusters in phases.
- vi. For AMI and GIS – No new project is planned except managing the routine maintenance/up-gradation of end-of-life IT infrastructure and the impact of organic growth.

Advanced Distribution Management System (ADMS) (DMS+SCADA) | 200 Feeders:

225. KE envisions the deployment of an Advanced Distribution Management System (ADMS) to support distribution management and availability of network optimization tools. ADMS comprises three modules including SCADA, Outage Management System, and Distribution Management System. This system will enable quick identification and localization of faults reducing the time spent on the field. The system also offers the provision for automated isolation and restoration of the network in case of faults however, to enable this functionality the relevant switches should be motorized. It will also pave the way for proactive operations, switching management, crew management, work order lifecycle management, conservation through voltage reduction, peak demand management, etc. In this regard, a pilot is being planned, and based on the success of the pilot project, an additional investment request will be submitted to NEPRA for approval with a detailed feasibility analysis. The larger ADMS roadmap includes the integration of different IT and OT systems as part of our technology landscape. ADMS will serve as a single point of information for distribution operations and will be integrated with different systems that will add insights for the engineers running the operations. Following are the major integrations that will be carried out with ADMS implementation:

- i. Genesys IVR & SAP CRM – Automatic assignment of calls to respective ADMS user(s)
- ii. SAP PM
- iii. Mobility Solution
- iv. Geographical Information System (GIS) Provide geospatial view of network to ADMS for effective distribution management. It's extremely important for ADMS systems to be fully aligned with the enterprise GIS system. Not only should the enterprise GIS provide the most up-to-date information on location but also about equipment maintenance, construction activities and in/out of service information
- v. MDMS - facilitating distribution planning by eliciting energy profiles from AMI
- vi. SAP ERP, IS-U - retrieving consumer data for calculation of outage impacts

226. ADMS provides real-time visibility of distribution network, fault localization & automates routine tasks to reduce costs & optimize operations. It helps to improve reliability, asset



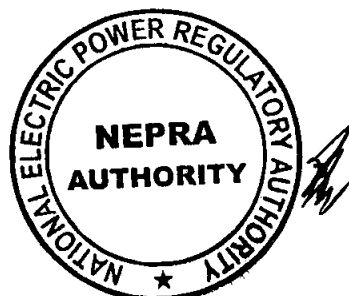
management, & integrates with other systems for improved communication. ADMS rollouts generally improve service levels by ~35%.

- i. **Operational Efficiency:** Real time network visibility and control: Allows engineers to quickly identify and respond to outages and other issues that could impact service reliability.
- ii. **Fault location identification and isolation:** Identifies and isolate faults quickly, reducing the duration and extent of outages.
- iii. **Advanced Analytics and Asset Management:**
Better asset management: Increased asset life & reduced cost through condition-based planning of asset maintenance & replacement activities
- iv. **Data integration:** Integrates SCADA, AMI, GIS, and historical data, to create a comprehensive view of the distribution network.
- v. **Predictive analysis:** Utilizes machine learning algorithms to predict potential asset failures & take proactive actions to prevent or minimize outages' impact.

227. The Petitioner further briefed the Authority that following are the major components that are need to be added or augmented for utilization of ADMS:

- i. **SCADA Devices and backend system:** SCADA field devices will provide operations department the real-time information of outage events with location of fault, electrical parameters for proactive operations (condition monitoring) and enhances the investment in network protection by significantly reducing the resolution time of load drop, load zero and other outage events. In the next control period, KE plans to deploy the SCADA devices on 200 feeders (on selected assets) in the ring-fenced cluster. Once this pilot is successfully deployed, this will be rolled out following a phase-wise approach to the rest of the network.
- ii. **ADMS OMS:** OMS will serve as a single platform for distribution operations management. It integrates the complaint management process, crew management, events logging with their status, shutdown management and visualizes the data from field devices on a single geospatial network to all operations' stakeholders.
- iii. **OT Infrastructure (GIS and ADMS):** A high-available enterprise infrastructure designed to provide the fail-proof functioning of advanced and business-critical systems with a minimal amount of downtime. The landscape is to be supported with redundant load balancers and replication hosts.
- iv. **ADMS (DMS):** ADMS converges the data from different systems and field devices and suggests the best configuration of network, compensation measures for system efficiency, helps in contingency planning, and provides insights for better planning of energy demand. However, these functionalities will be available for the feeders with SCADA devices.
- v. **Hardware Upgrade:** Through Hardware upgrade the performance of Database will be enhanced, Daily batch jobs time consumption will be reduced, integrated systems will be responding faster, Reduction in utilization of System resources and efficient performance of server will be achieved.

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Roll Out of Outage Management System KE Wide:

228. OMS is used to manage outages and restore power to customers as quickly and safely as possible. It improves outage response time & minimizes the impact of outages on customers. OMS rollouts generally reduce outage durations by ~20% through efficient crew & outage management, & communication with customers. The benefits include:

- i. **Outage reporting & analysis:** Analyzes power outages and its extent by analyzing the parent child hierarchy of assets and consumers
- ii. **Crew dispatch and management:** Helps in crews dispatch to the affected areas and manage their activities.
- iii. **Work order management:** This includes assigning work orders, tracking crew locations & progress, and tracking of new and resolved outages
- iv. **Improved communication:** Provide more accurate and timely information to customers during outages, improving communication and customer engagement.
- v. **Reporting and analytics:** Provides data and insights on outage frequency, duration, and other metrics, which can be used to optimize operations and plan for future operations.

Sustenance:

229. KE briefed that hardware enhancements to cater data growth, end-of-life product replacements and license renewals to ensure continuity of existing operational (AMI & GIS) and analytical solutions (MDMS Analytics).

R&D:

230. Petitioner stated that enhanced system efficiency & cost optimization through R&D to ensure readiness for futuristic technologies

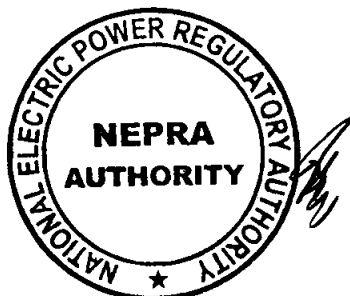
OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY:

231. The Authority appreciates KE's efforts towards the implementation of latest technology which include Outage Management System and Advanced Distribution Management System program. The smart network technology including SCADA and ADMS on 200 feeders will reduce outage durations and improve service quality. The Authority keeping in view the validation of M/s PITCO Fichtner, approves the investment of Rs. 8,901 Million for smart networks, the summary of which is given below:

| Approved cost of Smart networks (Million Rs.) | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Head | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
| Smart Network | 2,155 | 2,035 | 1,291 | 510 | 1,612 | 898 | 400 | 8,901 |

232. The project wise and year wise detailed cost bifurcation against approved investments of Rs. 8,901 Million along with major scope of work and timelines of smart networks are attached as Annex-X.

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Issue # 18 whether the cost of Rs. 18,514 Million for IT & Other improvement Plan is justified?

SUBMISSION OF THE PETITIONER:

233. The Petitioner has stated that KE's aim is not only to be the leading power and utility organization of the country, but also as a company known for its technology infrastructure, services resilience, fostering innovation and modernization in the region. Over the past few years, KE's efforts on technology front have received formal commendation in the form of several international and global awards and accolades. KE will continue striving to achieve more with the confidence that its efforts will serve as a catalyst for change leveraging IT-enabled business transformation initiatives. With various investments planned across its business segments, KE is poised to continue its journey of sustainable technology growth and disruptive phenomena with strategic plans in emerging technologies related to digital transformation, modernization of ERP, billing and CRM systems, cloud-enabled infrastructure and services, data governance, analytics, machine-learning, Artificial Intelligence (AI) capabilities, Internet-of-things (IoT), mobility, Operational technologies (OT) convergence with IT, Robotic Process Automation (RPA), cybersecurity and digital and social media channels. With the successful execution of above-mentioned investment plans, KE is pledged to use an array of digital technologies to enrich Karachiite's lives, improve infrastructure, modernize consumer services, enhance accessibility, drive sustainability, and accelerate economic development. It is worth mentioning fact that future planning of investment in IT over long term is quite difficult and prone to drastic changes since technology keeps on upgrading at rapid pace. Hence continuous market-driven assessment based on latest trends, change management, realignment and improvement plans are integral parts of KE technology short, mid, and long terms strategy and planning.
234. Further to above, Cyber security is assuming increased importance in the continued operations of organization which is also aligned with cyber security compliance requirements for IT and OT, recently updated by NEPRA. Accordingly, Cyber Security investment planning covers key projects including Cyber Defense & Security operation, Identity & access management, End User & Network Defense, Threat Risk and Vulnerability Assessments and Security Awareness, Governance & Compliance.

Claimed scope of IT interventions

| Scope | | Progress | | | | | | | |
|-------|--|----------|------|------|------|------|------|------|-------|
| | | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| A | SAP HANA BW Implementation | 75% | 1% | 3% | 7% | 8% | 5% | 0% | 100% |
| B | Replacement of EOL Solution (Servers, Network) | 9% | 13% | 14% | 15% | 20% | 14% | 15% | 100% |
| C | IT Infrastructure Enhancement & Upgrade | 16% | 21% | 14% | 6% | 11% | 24% | 7% | 100% |
| D | IT Equipment & Business Specific Software | 13% | 12% | 22% | 13% | 13% | 13% | 14% | 100% |
| E | Cyber Defense & Security Operation | 9% | 11% | 13% | 15% | 16% | 17% | 19% | 100% |
| F | Risk Assessment & Compliance | 9% | 11% | 13% | 15% | 16% | 17% | 19% | 100% |
| G | Others Business Specific New Initiatives | 35% | 8% | 10% | 11% | 11% | 12% | 12% | 100% |

235. Moreover, K-Electric owns several properties in various locations of Karachi to meets its operational needs. Investment planning in civil works is mainly based on rehabilitation and replacement, to maintain the existing civil structure for smooth and safe operations as well as payment of provincial and federal government taxes and duties etc.

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| Description | Scope | | | | | | | |
|-------------------------|-------|------|------|------|------|------|------|-------|
| | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| A Real Estate and Civil | 6% | 7% | 23% | 29% | 31% | 2% | 2% | 100% |

236. Petitioner further stated that KE plans to invest PKR 18,514 million for expanding and improving the customer satisfaction, Robust infrastructure, Data Governance & Strategy, Cyber security, Innovation and People management. This proposed investment plan has been divided into three categories: (i) IT (ii) Cyber Security (iii) Others. A summary of year wise proposed investment plan is given in the table below:

| Claimed cost of IT interventions (Million Rs.) | | | | | | | | |
|--|----------------|--------|-------|-------|-------|-------|-------|--------|
| IT & Other Improvement Plan | | PKR Mn | | | | | | |
| | | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | Total |
| A | IT & ERP | 3,103 | 1,809 | 1,967 | 1,558 | 2,033 | 2,087 | 14,056 |
| C | Cyber Security | 250 | 300 | 340 | 390 | 430 | 450 | 2,655 |
| E | Others | 244 | 285 | 276 | 275 | 273 | 295 | 1,803 |
| Total | | 3,596 | 2,394 | 2,583 | 2,223 | 2,736 | 2,833 | 18,514 |

IT – ERP & Infrastructure:

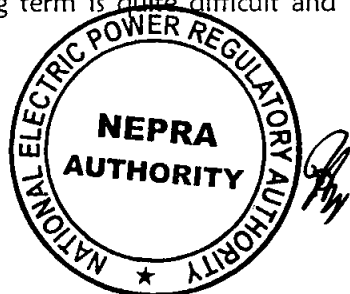
237. Investments proposed during the next control period are required to be undertaken for existing IT infrastructure sustainability, future growth and enhancement of allied security & governance solutions, modernization of existing IT landscape to ensure continuity of business operations. The summary of year wise claimed investment planned in IT projects is as below:

| Claimed cost of IT&ERP upgradations and replacements | | | | | | | | |
|--|--|--------|-------|-------|-------|-------|-------|--------|
| Description | | PKR Mn | | | | | | |
| | | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | Total |
| SAP HANA BW Implementation | | 1,385 | 21 | 62 | 124 | 155 | 93 | 1,838 |
| Replacement of EOL Solution (Servers, Network) | | 470 | 676 | 695 | 745 | 1,033 | 734 | 5,097 |
| IT Infrastructure Enhancement & Upgrade | | 494 | 656 | 427 | 190 | 334 | 738 | 3,058 |
| IT Equipment & Business Specific Software | | 407 | 374 | 682 | 387 | 401 | 401 | 3,065 |
| Others Business Specific New Initiatives | | 347 | 82 | 102 | 113 | 111 | 122 | 998 |
| Total IT | | 3,103 | 1,809 | 1,967 | 1,558 | 2,033 | 2,087 | 14,056 |

238. With various investments planned across its business segments, KE is poised to continue its journey of sustainable technology growth and disruptive phenomena of Industry 4.0 revolution with strategic plans in emerging technologies related to digital transformation, cloud-enabled infrastructure and services, data governance, analytics, machine-learning, Artificial Intelligence (AI) capabilities, Internet-of-things (IoT), mobility, Operational technologies (OT) convergence with IT, cybersecurity and digital and social media channels.

239. Moreover, with the successful execution of above-mentioned investment plans, KE is pledged to use an array of digital technologies to enrich lives of people of Karachi, improve infrastructure, modernize consumer services, enhance accessibility, drive sustainability, and accelerate economic development. Petitioner mentioned that future planning of investment in IT over long term is quite difficult and prone to drastic changes since technology keeps on

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upgrading at rapid pace. Hence, continuous market-driven assessment based on latest trends, change in management, realignment and improvement plans are integral parts of KE technology's short, mid, and long terms strategy and planning. Currently KE is running EOS database for SAP system which is also prone to many security vulnerabilities. If SAP is not upgraded with its databases, then the KE critical business processes like billing & invoicing will be severely effected. Furthermore, existing SAP Application version (ECC 6.0 EHP4) is more than a decade old; it was last upgraded in the 2010. Various other critical solution components such as the database system (Oracle 11g) has been out of support since December 2020, putting the landscape at risk – Operating System (AIX by IBM) will also be End-of-Support in 2023. New critical business requirements related to Distribution, G&T will not be catered in the current version and hence business strategic plans, operations and efficiencies will be severely effected if SAP upgrade is not performed.

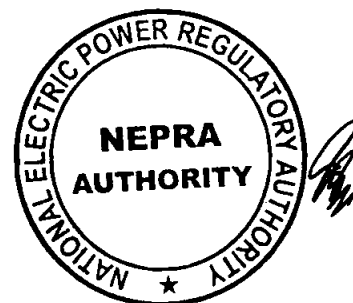
Cyber Security:

240. KE stated that Cyber Security is considered amongst the top risks faced by enterprises today. According to Allianz annual report for 2022, Cyber Risk is the number one (1) risk being faced by organizations today. Cyber Security for critical infrastructure such as power utilities is assuming key importance in the continued operation and supply of power to consumers. Various studies have shown how weak cyber security could lead to outages in power supply. Accordingly, KE has planned different projects to enhance cyber security to ensure continuity of service to consumers. The summary of claimed investment planned in Cyber Security projects is given below:

| Claimed cost of cyber security measures | | | | | | | | PKR Mn |
|---|------|------|------|------|------|------|------|--------|
| Description | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| Defense & Security | 100 | 120 | 136 | 156 | 172 | 180 | 198 | 1,062 |
| Risk Assessment & Compliance | 151 | 180 | 204 | 235 | 258 | 270 | 297 | 1,593 |
| Total Cyber Security | 250 | 300 | 340 | 390 | 430 | 450 | 495 | 2,655 |

241. The petitioner emphasized that recently NEPRA has also updated its cyber security compliance requirements for IT and OT. Hence, Cyber security is gaining increased importance in the continued operations of organization. Accordingly, Cyber Security investment planning covers following key projects;

- Cyber Defense & Security operation
- Identity & access management
- End User & Network Defense
- Threat Risk and Vulnerability Assessments
- Application Security
- Incidental Management
- Security Awareness, Governance & Compliance



242. Therefore, keeping in view NEPRA's recent regulations on IT & OT, KE expressed its resolve to scrutinize IT & OT systems for Generation, Transmission, and Distribution and Supply segments. It was prayed that in case if any need is identified for additional investment in IT & OT systems

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on the conclusion of the assessments, KE would submit request for NEPRA's approval, as specific request under the Investment Plan revision mechanism to carry out the requisite investment along with the detailed analysis.

Others:

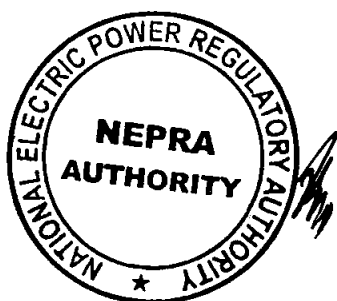
243. KE owns several properties in various locations of Karachi to meets its operational needs. Investment planning in civil works is mainly based on rehabilitation and replacement, to maintain the existing civil structure for smooth and safe operations as well as payment of provincial and federal government taxes and duties etc. Summary of Year wise investment planned in Real Estate & Civil is as follows:

| Claimed cost of property regulation and office renovations | | | | | | | | PKR Mn |
|--|------|------|------|------|------|------|------|--------|
| Description | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| Property Regularization & office Renovations | 244 | 285 | 276 | 275 | 273 | 295 | 156 | 1,803 |

OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY:

244. Regarding, IT Costs— Laptop, a detailed deliberation was made to ascertain the scope and cost which mainly consists of (a). IT Equipment & Business Specific Software and (b). Others Business Specific New Initiatives. The various costs submitted by KE were reviewed by the Authority and a total cost of Rs. 2,855 Million which includes Rs. 2,293 Million against the purchase and replacement of total of 7,644 laptops has been approved by the Authority. Further, another cost of Rs. 562 Million has been allowed against the purchase of new LCD/Other IT Equipment Head and Other Business Specific Software as upper ceiling for base cost and other adjustments for inflation etc. subject to audit and verification.
245. Authority also noted that the existing EOS database for SAP system is prone to many security vulnerabilities. Therefore, SAP needs to upgraded with its databases for smooth business processes like billing & invoicing. Thus, Authority approves SAP HANA BW Implementation (Upgrade) program.
246. The Authority is of the opinion that replacing EOL solutions (servers, network) is essential to ensure security, compliance, performance, and the overall effectiveness of KE's IT infrastructure. Moreover, it will enable businesses to stay competitive, resilient, and aligned with evolving technological landscapes. Similarly, IT infrastructure enhancement and upgrade are also essential for KE to stay competitive, secure, and adaptable in a rapidly changing technological landscape. Therefore, Authority feels that the regular assessments and strategic planning are crucial for KE to ensure that IT infrastructure aligns with business goals and remains at the forefront of technological advancements.
247. Regarding cyber security, Authority is of the opinion that a comprehensive cyber security strategy is pivotal for KE. This involves implementing strong cyber defense measures, maintaining robust security practices, conducting regular risk assessments, and ensuring compliance with relevant regulations. This integrated approach is essential for protecting sensitive information, maintaining trust, and effectively mitigating cyber threats.

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248. In view of above, the Authority approves an investment of Rs. 17,306 Million in the head of other support plans.

Approved cost of IT, cyber security and others (Million Rs.)

| Description | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | Total |
|---|-------|-------|-------|-------|-------|-------|-------|--------|
| IT & ERP Infrastructure | 2,757 | 1,761 | 1,592 | 1,466 | 1,930 | 1,973 | 1,371 | 12,848 |
| Defense, Security, Risk Assessment & Compliance | 250 | 300 | 340 | 390 | 430 | 450 | 495 | 2,655 |
| Property Regularization & office Renovations | 244 | 285 | 276 | 275 | 273 | 295 | 156 | 1,803 |

249. The item wise and year wise detailed cost bifurcation against approved investments of Rs. 12,848 Million for IT&ERP, Rs. 2,655 Million for Cyber Security and Rs. 1,803 Million for Property Regularization are given at Annex-Y.

250. Having addressed all pertinent issues and before parting with this determination, it is pertinent to mention that since the request of the petitioner was validated by third party consultants, therefore in order meet the ends of justice, and to ensure impartiality of the validation, the Authority deemed it appropriate to seek clarifications and queries from KE and its consultants. Following are the details of the clarifications sought:

What are the Terms of Reference (ToRs) for Power Planner International (PPI) for validation of investment requirements in the transmission sector? What criterion/basis has been adopted by third-party consultants while evaluating such investments?

CLARIFICATION BY CONSULTANT M/S PPI

251. Mr. Hassan Jaffar Zaidi, CEO of Power Planner International briefed the Authority that M/s PPI through detailed system-based studies and analysis, has validated KE's transmission investment plan. They also provided suggestions for improvements, which have been included by KE in the Plan submitted to NEPRA. PPI informed that sufficient procedures were performed to ensure that the Investment Plan till 2030 is complete and accurate. The Consultant apprised that he worked as per the following TORs regarding the validation of KE's Investment Plan.

- To prepare an adequate Transmission Network expansion plan for reliable system operation to meet the future demand of KE up to the year 2030.
- To remove the existing/future transmission system constraints of the KE network.
- To analyze and optimize technical losses of KE
- To provide reliable interconnection for IPPs and Renewable Power Projects into the KE network.
- To ensure a reliable and stable interface with NTDC to maintain the overall stability of both systems.
- To carry out a reactive power Management Study to improve the voltage profile and to improve the power factor at Interconnection Points.
- To ascertain the investment / capex requirements for the next 7 years
- System studies/analysis for reliable system planning
- The Peak and Off-Peak load scenario studies/analysis for reliable system planning

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- x. Conduct short circuit analysis for determination of specifications of grid station equipment
- xi. Evaluation of VAR compensation to maintain good voltage in a steady state
- xii. Optimize dynamic reactive compensating devices to enhance the post-fault voltage
- xiii. Suggest measures for optimization of Losses
- xiv. Develop Dynamics/Transient Stability Model for KE
- xv. Evaluation of existing Special Protection Scheme (Cross Trip) if required
- xvi. Validation of Cost Estimates and Benchmarking

252. Concerning the basis and criteria, the consultant explained that it considered the following while validating NTDC's investment plan for 7 years up to FY 2029-30.

- i. Grid Code Compliance with proposed operational measures
- ii. PSSE is modeled on Peak Demand
- iii. Optimized Transmission Losses
- iv. Power Factor above 0.95
- v. Short Circuit within switchgear ratings (Unmeshed)
- vi. System is stable for all N-1 contingencies
- vii. For some extreme scenarios (N-2) under voltage issues observed and UVLS are proposed
- viii. Minimum Wind scenario
- ix. Additional Openings/Splitting required
- x. SoPs should be made to cater to the situation

253. The Consultant also validated the cost estimate for each sub-project based on major components and unit costs for transmission lines and grid stations. According to the Consultant, the unit costs used by KE have been validated considering the most recently completed and under-implementation transmission lines and grid station projects. These costs have been updated by using Pakistan CPI for local components and US CPI for foreign components to bring them to the June 2022 level, and the claims have been included based on the USD/ PKR Exchange Rate of PKR 206/USD (June 30, 2022). The consultant has confirmed validating the following costs in various subheads of transmission:

CAPEX Requirements validated by M/s PPI

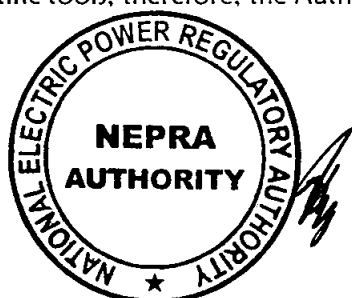
| CAPEX Category | Total (Amount in PKR Million)* |
|--|--------------------------------|
| Growth Projects | 140,751 |
| NTDC Interconnection | 29,806 |
| IPPs- Interconnection | 23,054 |
| System Improvement / Reliability | 84,133 |
| Reactive Power management & Loss Reduction | 3,171 |
| Total Capex | 280,915 |

* Calculated at Exchange rate of PKR 206/USD and at 2022 index levels. Prevalent Indexations (i.e. USD Rate, PAK/US CPI) to be applied to the above numbers

OBSERVATIONS AND ANALYSIS OF THE AUTHORITY:

254. It is noted by the Authority that M/s PPI used the basis and criterion, as agreed in TORs between KE and M/s PPI, for validation. The Authority noted that M/s PPI is a PEC-approved consultant with significant experience in the power sector of Pakistan, particularly in load flow studies using scientific tools, therefore, the Authority agrees with M/s PPI's submissions on the scope of

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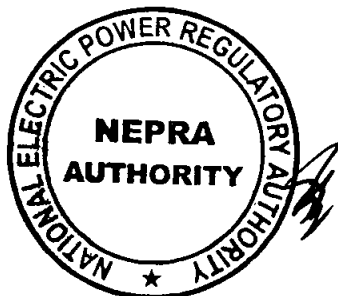
transmission projects'. For cost claims, the Authority has carried out due diligence and analysis to check the prudence of claimed investments in the transmission sector and decided to rationalize certain claims. The basis of rationalization, where applicable, has been discussed in the relevant issues in this decision. Additionally, a comprehensive annual adjustment mechanism along with a quarterly monitoring mechanism for allowed investments have also been detailed in this decision.

255. The Authority noted that KE had achieved T&D loss targets in the previous MYT. Moreover, the overall performance of KE in transmission segments in terms of reliability parameters also remained satisfactory as highlighted in NEPRA Transmission Performance Evaluation Reports. Furthermore, a comprehensive mid-term review was done by NEPRA with the participation of all stakeholders where the allowed investments were actualized.

What is the treatment of allowed investments in previous MYT which were not materialized by KE such as 500 kV KKI grid station, Hub Uthal Vinder Bela Upgradation, etc.? Whether these investments have been fully recovered from consumers by KE or otherwise? What are the reasons for not completion of projects of previous MYT.

256. Regarding the treatment of investments allowed in previous MYT, KE confirmed that the investments that were allowed in the previous MYT period but not fully spent will result in a negative adjustment. This adjustment will be passed on to consumers during the End of Term review. This means that the underspent amount will not be recovered from consumers in the current MYT period, ensuring there is no duplication of costs recovery from consumers.
257. Regarding the HUVB transmission upgrade, KE has requested approval to increase the project cost for the HUVB transmission upgrade from PKR 7,325 million (as allowed in the mid-term review decision of the current MYT) to PKR 21,765 million. The previous scope of the project was the construction of a new 132kV transmission line of 150KM, and enhancement of grids in Vinder, Uthal, and Bela, including up-gradation of 66 kV to 132 kV level. According to KE, at the time of the mid-term review, the project's scope was envisaged to be limited and it was assumed that the RoW would be provided by the Government of Balochistan, without any cost implication to KE. However, the project's execution was delayed owing to the pending approval of RoW from the GOB and other agencies due to frequent changes at the provincial government level and it was revealed that the cost of Rs. 244 million would be incurred by KE in this regard. The Petitioner informed that it has been rigorously following up with GOB officials for the necessary approvals and is planning to re-tender (which is at the final stage) the project to ensure maximum participation from bidders at competitive prices. According to KE, the revised cost claim is temporary and will be adjusted based on actual bids received.
258. Regarding 500 kV KKI project, KE submitted that the Authority approved the project in March 2022 (mid-term review decision), hence, the contracts for the project were awarded by May 2022, after a delay of 9-10 months. This delay in award resulted in not meeting the project timelines and also the cost of project increased due to escalation of material cost and due to exchange rate variations. Therefore, in order to meet these exigencies, certain scope of 500 kV KKI project was deferred in previous MYT, and has been included in the instant MYT control period.

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OBSERVATIONS AND ANALYSIS OF THE AUTHORITY:

259. Regarding the delay/non-completion of the mid-term projects, the Authority noted that the broad circumstances such as land acquisition/RoW issues and late determination of mid-term decision, etc. were beyond the control of KE.
260. Nevertheless, the Authority felt that 500 kV KKI, which is a project approved in the mid-term review decision, has been possibly duplicated again in the instant investment plan with the name of 220/132 kV KKI grid station, so a detailed inquiry/analysis is carried out to ascertain this cost claim of Rs. 8.40 Billion. It was noted that KE claimed an investment amounting to Rs.26.40 billion (based on an average USD parity of Rs.175 and Rs.164) for 500kV/220kV/132kV/11kV Grid and 220kV Transmission Lines, in April 2021, for which the award of the contract was envisaged by KE before June 2021, with an expected completion by June 2023. However, as per KE, the Authority granted the mid-term approval on March 01, 2022, i.e. after a delay of 9-10 months, and accordingly, the award of contracts was made in February 2022 (Line portion) and May 2022 (Grid portion). Given the delay as explained above, the cost of the KKI project, according to KE, increased due to changes in prices of different materials and exchange rate devaluation between June 2021 and May 2022. Therefore, KE told that to optimize the overall cost of the project, the scope of the 132-kV grid was deferred to the new MYT considering the future load requirements. Furthermore, it is noted that an additional investment of Rs. 8.40 Billion, which was not part of the initial requested amount of Rs.26.40 billion, has been claimed for the new MYT. This has been claimed for the extension of 132KV of KKI and consists of (a). Extension of 132KV Grid — Rs.3.70 Billion @ 206/USD and (b). New 132KV Transmission lines — Rs.4.70 billion@ 206/USD. To sum up, KE has taken the carryover cost of KKI Grid and Transmission lines (awarded Contracts) against the allowed cost of Rs.26.40 billion @ 206/USD, as well as it has claimed additional cost of KKI 132KV extension amounting to Rs.8.40 billion in its instant MYT investment plan.
261. The Authority has considered the submissions made and has concluded that the cost of the 220/132 kV KKI Grid of KKI is justified due to delays and changes in scope, and the same is allowed etc. subject to audit and verification. Further, the cost for 500 KV KKI grid of Rs.26.428 Million, already allowed in the MYT FY 2016-2023, shall be adjusted in the end of term adjustment, based on actual utilization of the previously allowed amount as of 30.06.2023, and the left-over amount is allowed in the instant investment plan. Likewise, the Authority allows the revised cost for HVUB project with required adjustment due to exchange rate variation. The amount of Rs.7,325 million, already allowed in the MYT FY 2016- 2023, shall be adjusted in the end of term adjustment, based on actual utilization of the previously allowed amount as of 30.06.2023. The detailed costing and scope of these projects as approved by the Authority are discussed in the relevant head of growth and interconnection projects.

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What are the Terms of Reference (ToRs) for PITCO Fichtner for validation of investment requirements in distribution sector? What criterion/basis have been adopted by third party consultant while evaluating such investments?

CLARIFICATION OF M/S PITCO FICHTNER:

262. Mr. Usman H. Malik, CEO/Director PITCO briefed the Authority that PITCO Fichtner carried out verification and validation of distribution network improvement plan in first phase and then performed review of processes, Change Management Plan and Technology in the second phase. PITCO explained that it was required to perform following activities as per agreement:

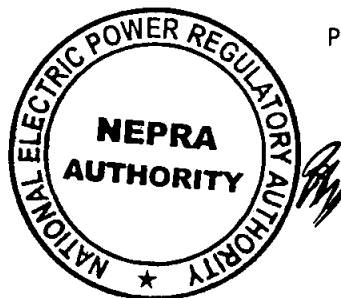
- i. Review KE's own developed Distribution Transformation Roadmap 2024-30. The consultant was required to review and advise on the roadmap with Capex.
- ii. Review existing network design of distribution system, identify gaps, and propose network design adhering to prudent utility practices.
- iii. Prepare a gap analysis report on identified gaps based on review of the NIP.
- iv. Review regulatory requirements, policies, and other local laws to ensure compliance & alignment of all the proposed measures and recommendations.
- v. Develop a business case with proposed Capex with ROI considering existing and new regulations including benefits and budget estimates with timelines.
- vi. Undertake a detailed review of technology interventions to improve visibility, monitoring and automation including GIS, AMI/MDMS, SCADA/ADMS and OMS.
- vii. Partner with K-Electric to present the roadmap with a business case for 2024-30 to the K-Electric Board of Directors and present the NIP Business Plan to NEPRA during the first hearing of the tariff submission process.

263. The Petitioner further stated that keeping in view the obligations of agreement, the PITCO Fichtner completed following activities:

- i. Review of the distribution network improvement plan (2024- 2030)
 - Based on an extensive data gathering exercise
 - Meetings with stake holders (C Level leadership, and field visits to selected assets)
 - Detailed GIS mapping on 83 feeders to calculate Technical Loss
 - Visits to Distribution Control center to review current Distribution Management Structure
- ii. Review of existing specifications and SOPs by Experts.
 - Align with the national and international standards.
 - Regulatory requirements, policies, and other local laws.
 - Recommend inclusion of best practices.
- iii. Analyze KE's current distribution network design
 - Sample-based field visits by Fichtner & PITCO Experts

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- Meeting with relevant stakeholders
- Use of software models wherever applicable.
- Recommend optimal Network Design
- iv. Review of Fixed assets register (Property plant and equipment)
 - Recommendations for its restructuring to improve fixed asset management, planning and control.
- v. Digitalization of Management Distribution Network
 - Review technology interventions to improve visibility, monitoring and automation
 - GIS, AMI/MDMS, SCADA/ADMS and OMS/MWFM.
- vi. Benchmarking with Peer Utilities
 - Benchmarking with similar successful international utilities and
- vii. Recommending best practices.
 - Development of a Business Plan for the NIP
 - Business plan with cost benefit analysis
 - Sensitivity Analysis based on variations in Capex
 - Impacts on KPIs.

264. Regarding the criteria and basis for validation of investment plan, the Consultant briefed the Authority that it had selected 83 feeders of K-Electric which replicated the same mix of consumers as of complete network of K-Electric. Moreover, GIS based data of these feeders was taken and evaluation of technical losses and other technical parameters were carried out. Furthermore, the challenges that KE network is facing were also taken into account such as:

- i. High number of faults and outages (158,808 power outages excluding load shedding in FY22, out of which 57% were faults).
- ii. High number of transient tripping's.
- iii. Highly corrosive environment, leading to physical deterioration of distribution assets.
Outdated equipment (like Oil Circuit Breakers, knife switches etc.).
- iv. Theft of electricity through direct connections and meter tampering or meter bypass.
- v. Illegal connections in katchi abadis and mushroom growth.
- vi. Absence of "Distribution Management System" (ADMS).
- vii. Theft of equipment, illegal encroachment and accessibility issues.
- viii. Operational issues in management of switchgears, congested substations and flooding concerns.
- ix. Right of Way issues, absence of utility corridor by civic services and faults due to pickaxe.

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265. Furthermore, the consultant apprised the Authority that keeping in view the above challenges and trend of past investment utilization, it has validated following investment amount in various heads of distribution network for KE.

CAPEX Requirements for distribution segment duly validated by consultant M/s PITCO Fichtner

| Head | Investment Allowed by NEPRA in 2017-23 | KE Actual Spend and Estimate for 2022-2023 | Investment proposed for 2024-30 |
|-----------------------|--|--|---------------------------------|
| Energy Loss Reduction | 21,961 | 33,818 | 71,662 |
| Growth | 28,152 | 43,469 | 120,439 |
| Maintenance | 8,226 | 32,013 | 44,789 |
| Safety | 3,793 | 9,957 | 25,858 |
| Technology | 7,335 | 4,440 | 16,529 |
| Rain Emergency | 3,848 | 3,848 | 0 |
| Support CAPEX | 4,200 | 3,964 | 0 |
| TOTAL Outlay | 77,515 | 131,509 | 279,278 |
| Less Inward Revenue | -31,061 | -39,765 | -104,808 |
| Net KE CAPEX | 46,454 | 91,744 | 174,469 |

266. The consultant has further stated in its validation report that this business plan has been prepared in highly challenging and commercially vulnerable circumstances when the Pakistani economy is confronted with daunting challenges like stability of Pak Rupee exchange rate and rising inflationary trend making the future highly uncertain and risky. According to the Consultant, the key assumptions used to prepare the cost estimates are as follows:

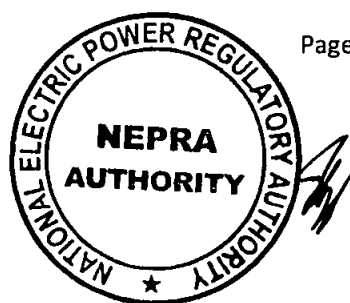
- Material cost estimates have been developed using the KE projected prices for items in June 2022, based on previous purchase prices, and further projection of this price based on CPI inflation and US\$ exchange rate between the date of purchase and June 2022.
- Average Exchange Rate with USD has been taken as Rs. 206/USD prevalent on June 30, 2022.
- However, no CPI PKR adjustment or future variations in PKR to USD exchange rate have been taken into consideration in estimating the proposed CAPEX. It is a formal request will be made to NEPRA for cost adjustments through an indexation mechanism both for CPI and Exchange rate.
- The KE NIP proposal for 2024-30 network performance improvement will cost PKR 279.278 Billion at based on July 2022 estimates (including LME material indexation till 2030). About 38% of the total investment outlay amounting to PKR 104.808 Billion will be funded by the customers as per prevailing policies (and will be treated as inflows).

OBSERVATIONS AND ANALYSIS OF THE AUTHORITY:

267. It is noted by the Authority that M/s PITCO Fichtner used the basis and criterion, as agreed in TORs between KE and M/s PITCO Fichtner, for validation of investment requirements in distribution sector. The Authority noted that M/s ITCO Fichtner is a PEC-approved consultant

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with significant experience in the power sector of Pakistan. Therefore, the Authority agrees with M/s ITCO Fichtner submissions on the scope of distribution projects'. For cost claims, the Authority has carried out due diligence and analysis to check the prudence of claimed investments in the distribution sector and decided to rationalize certain claims. The basis of rationalization, where applicable, has been discussed in the relevant issues in this decision. Additionally, a comprehensive annual adjustment mechanism along with a quarterly monitoring mechanism for allowed investments have also been detailed in this decision.

Whether the financial parameters i.e. IRR, NPV, CM analysis, exchange rate variations etc. for the proposed investment, needs to be evaluated while approving the investment program or during the proceedings of Tariff Petition.

SUBMISSIONS OF THE PETITIONER:

268. The Petitioner submitted that the detailed financial analysis covering Payback Analysis and IRR computation have already been submitted as part of queries raised by the Authority over the investment plan. Moreover, the indexation mechanism to cover for exchange rate variations and inflation is essential for KE to commit and execute these investments.

OBSERVATIONS, ANALYSIS AND DECISION OF THE AUTHORITY

269. The Authority decided that the adjustable factors i.e. Escalation, Custom Duties, IDC, Contingencies, and any other head which is over & above the base cost are just notional numbers and shall be adjusted at the time of annual Tariff adjustments as per the given mechanism.

What should be the claw back mechanism for the profits earned by KE in excess of the allowed returns?

Whether the investment requested by KE is justified, considering the fact that the target sent-out at the end of the new control period (i.e. 2023-2030) is similar to the sent-out target of the previous control period (i.e. 2016-2023), for which investment of over Rs. 200 billion was allowed in the previous MYT.

SUBMISSION OF PETITIONER:

270. The petitioner has stated that the projected growth under the MYT for FY 2017-2023 was around 4.5%, but the actual growth remained lower due to various external factors such as the economic slowdown and COVID-19. The proposed investment plan for the upcoming tariff control period between FY 2023-24 and FY 2029-30 is based on a technical/network study that has been conducted and validated by consultants. KE has further mentioned that if it had not made investments during the MYT FY 2017-2023 period, the investment requirement for the upcoming control period would have been much higher. The requested investments are required for KE to fulfill its licensed obligations and meet regulatory requirements. Regarding the claw back mechanism, KE has stated that if it underperforms, the loss will be borne by KE, and hence, if KE outperforms the targets, it should have the incentive to retain the gain.

2





OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY:

271. The Authority has noted that the network planning around the world is mainly based on the peak demand (MW) and not on the energy growth (GWh). Due to COVID-19, the energy growth around the world has been affected. It is important to note that the investments being allowed for transmission and distribution network expansion, reinforcements, and rehabilitations are based on the principle that KE must first exhaust all possible options of reinforcements before laying any new grid station or feeders. This includes extension/augmentation in the existing transformers, re-conducting/reinforcements of existing lines, load balancing of transformers and feeders, and load shifting from overloaded transformers and feeders to underutilized assets in the vicinity.
272. In the light of discussion that took place, the Authority has devised a comprehensive annual adjustment mechanism along with quarterly monitoring mechanism for allowed investments and associated benefits in the instant investment plan i.e. FY 2023-24 to FY 2029-30. Moreover, regarding low estimates of projected sent outs by K-Electric, the Authority decided that mechanism for adjustments of actual sent outs against projected shall be decided in the tariff determination of KE. Similarly, the claw back mechanism for the profits earned by KE in excess of the allowed returns shall also be decided in the tariff determination of KE.

What will be the impact of requested investment on the subsidy by Government of Pakistan?

SUBMISSION OF THE PETITIONER:

273. The Petitioner pleaded that subsidy is Government of Pakistan's prerogative and is dependent on multiple factors including Government policies. Moreover, KE submitted that if the claimed investments are approved without any cuts, then there will be an increase of Rs. 1.9 per unit in transmission tariff and Rs. 1.3 per unit in distribution tariff. Hence, there will be a cumulative increase of Rs. 3.2 (@206 USD/PKR) per unit if the investment plan of Rs. 484 Billion is approved by NEPRA. Since, there is uniform tariff in the country thus the subsidy will be impacted. However, this issue will be discussed and finalized during the proceedings of supply tariff.

OBSERVATIONS/ANALYSIS AND DECISION OF THE AUTHORITY:

274. The Authority considered this issue and is of the view that the issue pertains to supply tariff and shall be discussed at the time of finalization of supply tariff.

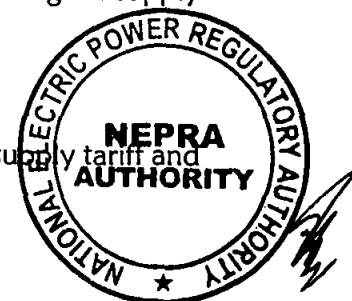
ORDER OF THE AUTHORITY

275. The Authority as per provisions of Section 32 of the NEPRA Act, 1997 read with para 23 of NEPRA Guidelines for Determination of Consumer end Tariff (Methodology and Process) 2015 approves the following investment plan and losses assessment of K-Electric for next seven (7) years MYT control period from FY 2023-24 to FY 2029-30:

A. Approved Investment Plan:

(Million Rs)

| Description | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|-----------------------------------|-------|--------|--------|--------|--------|-------|-------|--------|
| Transmission Business | | | | | | | | |
| Transmission Growth Grid Stations | 9,162 | 21,985 | 18,894 | 7,136 | 14,545 | 5,443 | 2,529 | 79,694 |
| Transmission Growth T/Lines | 2,294 | 2,939 | 10,014 | 10,665 | 10,962 | 3,341 | 897 | 41,112 |



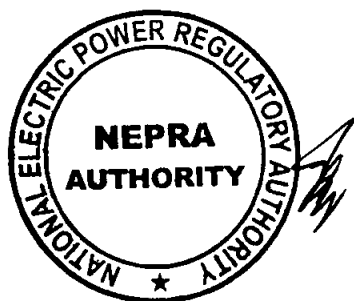
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Decision of the Authority in the matter of Seven (7) Years Investment Plan & Losses Assessment
of K-Electric Limited For MYT Tariff Control Period From FY 2023-24 TO FY 2029-30

| | | | | | | | | |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| 500 kV KKI Grid Station Carry Over (MID TERM FY (2017-2023)) | 17,617 | 0 | 0 | 0 | 0 | 0 | 0 | 17,617 |
| Grid Station Maintenance & Protection | 2,050 | 2,586 | 2,363 | 2,423 | 1,894 | 1,625 | 1,312 | 14,253 |
| Transmission Lines Maintenance & Protection | 1,016 | 1,200 | 850 | 487 | 405 | 441 | 355 | 4,754 |
| Transmission Safety | 0 | 0 | 0 | 0 | 0 | 692 | 1,991 | 2,684 |
| Addition of New T/Line for N-1 provision | 1,500 | 0 | 1,326 | 2,186 | 1,446 | 1,207 | 483 | 8,149 |
| Rehabilitation/Augmentation of existing T/Lines for N-1 provision | 0 | 1,612 | 1,941 | 11,079 | 3,111 | 766 | 0 | 18,508 |
| Replacements & other works for N-1 provision | 812 | 536 | 893 | 893 | 3,337 | 1,851 | 3,524 | 11,847 |
| 3 rd T/F at 500 kV NKI Grid Station | 0 | 2,034 | 3,050 | 0 | 0 | 0 | 0 | 5,084 |
| 220KV D/C LILO (NKI to Baldia / Surjani) | 0 | 528 | 792 | 0 | 0 | 0 | 0 | 1,320 |
| Transmission Loss Reduction | 318 | 519 | 552 | 372 | 455 | 136 | 204 | 2,556 |
| 500 kV KKI Interconnection with National Grid (NTDC) | 1,683 | 0 | 0 | 0 | 0 | 0 | 0 | 1,683 |
| 220 kV Dabeji Interconnection with National Grid (NTDC) | 1,643 | 0 | 0 | 0 | 0 | 0 | 0 | 1,643 |
| Interconnection for 350MW Solar Plants | 1,486 | 3,697 | - | - | - | - | - | 5,183 |
| 220 kV Gharo Step-up Grid Station for Interconnection of 600 MW Solar – WPPs | - | 528 | 2,635 | 3,998 | - | - | - | 7,161 |
| Associated Transmission Line for Interconnection of 600 MW Solar – WPPs | - | - | 2,265 | 3,398 | - | - | - | 5,663 |
| Current Limiting Reactor (10 Ohm) | 0 | 1,148 | 0 | 0 | 0 | 0 | 0 | 1,148 |
| SCADA & Other Automation Equipment | - | - | - | - | - | 3,078 | 5,083 | 8,161 |
| Total Transmission Business | 39,581 | 39,312 | 45,575 | 42,637 | 36,155 | 18,580 | 16,378 | 238,220 |
| Distribution Business | | | | | | | | |
| Distribution Growth | 2,151 | 3,278 | 3,606 | 4,964 | 5,063 | 5,746 | 4,653 | 29,461 |
| Energy Loss Reduction | 6,954 | 9,428 | 6,580 | 6,739 | 4,399 | 4,522 | 4,703 | 43,323 |
| Distribution Maintenance | 3,425 | 5,021 | 4,840 | 4,498 | 4,115 | 4,021 | 4,000 | 29,919 |
| Distribution Safety | 4,304 | 4,369 | 3,003 | 2,281 | 2,264 | 2,157 | 2,169 | 20,546 |
| AMR and Digitization | 703 | 730 | 768 | 575 | 605 | 593 | 641 | 4,614 |
| Smart Network | 2,155 | 2,035 | 1,291 | 510 | 1,612 | 898 | 400 | 8,901 |
| Total Distribution Business | 19,692 | 24,861 | 20,088 | 19,567 | 18,058 | 17,937 | 16,566 | 136,764 |
| Other Support Plans | | | | | | | | |
| IT & ERP Infrastructure | 2,757 | 1,761 | 1,592 | 1,466 | 1,930 | 1,973 | 1,371 | 12,848 |
| Defense, Security, Risk Assessment & Compliance | 250 | 300 | 340 | 390 | 430 | 450 | 495 | 2,655 |
| Property Regularization & office Renovations | 244 | 285 | 276 | 275 | 273 | 295 | 156 | 1,803 |
| Total Other Support Plans | 3,251 | 2,346 | 2,208 | 2,131 | 2,633 | 2,718 | 2,022 | 17,306 |
| 3 rd Part Audit Fees | 28 | 29 | 28 | 29 | 28 | 29 | 29 | 200 |
| Grand Total Allowed | 62,552 | 66,548 | 67,899 | 64,364 | 56,874 | 39,264 | 34,995 | 392,490 |

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B. Approved T&D Losses Targets:

| Description | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | FY 2027-28 | FY 2028-29 | FY 2029-30 |
|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Distribution Loss % | 13.46 | 13.14 | 12.70 | 12.25 | 11.93 | 11.67 | 11.48 |
| Transmission Loss % | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 |
| T&D Loss Target % | 14.58 | 14.27 | 13.83 | 13.39 | 13.07 | 12.82 | 12.63 |

Note: The benefit of additional reduction in losses for that particular year shall be shared with consumers and K-Electric in ratio of 75:25 respectively.

C. Other Terms and Conditions:

- i. The sole right of interpretation regarding this investment plan decision rests with the Authority. In the event that the Petitioner or any other stakeholder requires clarification on this decision, they may seek clarification directly from the Authority beforehand. Any expenses incurred by the Petitioner without clear provision will be at their own risk and cost.
- ii. KE is directed to make the best efforts to procure materials and services in a manner that ensures the most cost-effective prices for project execution.
- iii. The Petitioner shall clearly document both the investment projects and repair and maintenance projects, ensuring there is no duplication between them. The third-party audit/monitoring shall verify this aspect during regular audits.
- iv. KE shall file modification in its transmission license to include the 500 kV assets for construction, ownership, operation and maintenance.
- v. The Authority decides for a comprehensive 3rd party independent Monitoring / Audit of K-Electric's allowed investment plan. The Third party Audit / Monitoring of allowed investments will be carried out on quarterly basis. The ToRs and mechanism of 3rd party Audit/Monitoring will be formulated by NEPRA. The Authority also decides to include an indicative cost of Rs.200 Million in the investment plan of KE for the purpose of 3rd party Audit/Monitoring of Investment Plan. The amount shall be subject to adjustment upward/downwards based on the cost approved by NEPRA for the Audit.
- vi. KE shall ensure zero fatal accidents goal and shall ensure safe working environment for its employees and general public by utilizing approved investment by the Authority against safety plans.
- vii. KE shall also submit a quarterly progress report showing utilization of allowed investment, physical progress and analysis regarding the benefits accrued against amount incurred for each project highlighted under different heads for monitoring purpose on quarterly basis. Moreover, KE shall also provide the above progress on online portal specified by NEPRA for monitoring of investment plan.

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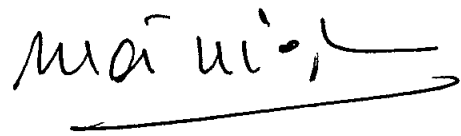




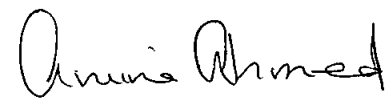
- viii. KE shall submit progress report for the performance indicators (T&D losses, SAIFI, SAIDI, Reliability, Continuity & Quality of Power Supply and other performance standards) achieved as result of implementing investment plan approved by the Authority. Moreover, KE shall also provide the above progress on online portal specified by NEPRA for monitoring of investment plan.
- ix. The Authority also directs KE that in the event where the planned projects are delayed (due to change in demand or some other reasons) beyond the approved timelines, then KE shall timely approach the Authority to explain the reasons of delay and seek the revised approvals.

AUTHORITY


Rafique Ahmad Shaikh
Member


Mathar Niaz Rana (nsc)
Member


Engr. Maqsood Anwar Khan
Member


Amina Ahmad
Member


Waseem Mukhtar
Chairman



Claimed Scope and Timelines for Transmission Growth Projects

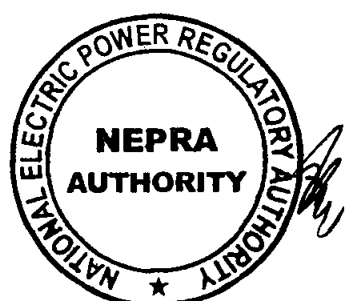
| S. | Projects | Scope of Work | Expected Project Start | Expected Project End | PKR in Million | |
|----|--|---|------------------------|----------------------|----------------|---------|
| | | | | | Till FY23 | FY24-30 |
| 1 | 220 kV DHA-4 G/S | 01 x 250 MVA 220/132kV Auto Transformer. 220kV K. Creek – CCP line in/out at DHA – 4 Grid, 5 km. | Jul-27 | Jun-30 | - | 9,053 |
| 2 | 220 kV Landhi G/S | 01 x 250 MVA 220/132kV Auto Transformer. 220kV D/C T/Line from existing 220kV BQPS – 3 Grid Station, 30 km. | Jan-24 | Jun-26 | - | 19,653 |
| 3 | 220 kV Ziauddin G/S | 02 x 250 MVA 220/132kV Auto Transformer. 220kV D/C T/Line from existing 220kV Surjani Grid Station, 20 km. 132kV Valika - Nazimabad T/Line in/out at 132kV Ziauddin Grid Station, 4 km. | Jul-25 | Jun-28 | - | 37,353 |
| 4 | Addition of Auto Transformers | Addition of 220/132kV 1x250 MVA auto transformer at 220kV Surjani Grid Station. | - | 2025 | - | 5,245 |
| | | Addition of 220/132kV 1x250 MVA auto transformer at 220kV Gulshan Grid Station. | - | 2026 | - | |
| | | Addition of 220/132kV 1x250 MVA auto transformer at 220kV Maripur Grid Station. | - | 2027 | - | |
| 5 | Addition and Augmentation of Power Transformers | Addition of 132/11kV 01x67 MVA transformer at 132kV Jail Grid Station. | - | 2024 | - | 4,743 |
| | | Addition of 132/11kV 01x67 MVA transformer at 132kV KESC Hospital Grid Station. | - | 2024 | - | |
| | | Addition of 132/11kV 01x40 MVA transformer at 132kV Port Qasim Grid Station. | - | 2028 | - | |
| | | Augmentation of 132/11kV transformer from 01x26 MVA to 01x67MVA capacity at 132kV KEPZ Grid Station. | - | 2030 | - | |
| 6 | GSMO/TRN Special Projects (Rehabilitation of 132 kV Transmission Network) | Rehabilitation of 3x 132kV Transmission Lines • 132kV Surjani- Valika • 132kV KDA – Memon Goth • 132kV Pipri- KEPZ | July 2024 | June 2025 | - | 1,268 |
| | | Line Diversion of 132kV Pipri - Port Qasim - Landhi. for safety | | | | |
| | | Addition of Switchgears at Port Qasim and North Nazimabad. G/S | | | | |
| | | RTV Coating and Tower rehabilitations | | | | |
| 7 | 132 kV HOSPITAL – 2 | 01 x 40 MVA 132/11kV Power Transformer. 132kV S/C T/Line from Existing 132kV Hospital Grid Station, 3 km 132kV S/C T/Line from Existing 132kV KDA Grid Station, 10 km | Jan-27 | Jun-29 | - | 7,681 |
| 8 | 132 kV K. CENTRAL - 1 | 02 x 40 MVA 132/11kV Power Transformer. 132kV Qayyumabad - K. East T/Line & | Jul-24 | Jun-26 | - | 8,068 |



| | | | | | | |
|---|---------------------------|--|--------|--------|-----------|----------------|
| | | 132kV Qayummabad – K. South T/Line in/out at new 132KV K-Central G/S, 8km | | | | |
| 9 | 220kV/132kV KKI | 01 x 250 MVA 220/132kV Auto Transformer. 132kV D/C T/Line from existing 132KV HUB Chowki G/S, 18 km | Jul-25 | Jun-27 | - | 8,441 |
| 10 | LILO STDC Interconnection | 132kV KDA – SNPC Transmission Line in/out at 132KV Gadap G/S (1 Bay) | Jul-23 | Jun-24 | - | 594 |
| 11 | MALIR – 2 | 01 x 40 MVA 132/11kV Power Transformer. 132kV Landhi – Johar T/Line in/out at 132kV Malir – 2 Grid Station, 3km | Jan-27 | Jun-29 | - | 5,160 |
| 12 | MAYMAR - 2 | 01 x 40 MVA 132/11kV Power Transformer. 132kV Maymar – Surjani T/Line in/out at 132kV Maymar – 2 Grid Station, 3 km. | Jul-27 | Dec-29 | - | 4,572 |
| 13 | SITE – 2 | 01 x 40 MVA 132/11kV Power Transformer 132kV Valika - Nazimabad T/Line in/out at 132kV Site – 2 G/S, 3km | Jul-24 | Jun-26 | - | 7,186 |
| | | 01x40 MVA 132/11kV Power Transformer addition | Jul-29 | Jun-30 | | |
| 14 | HVUB upgradation | Upgradation of 66 kV to 132kV G/Ss along with 132kV T/ Lines. 3x40MVA Power T/Fs and 132kV Bays in three Grids 150KM 132KV D/C T/ Line | Jul-23 | Jun-25 | 31 | 21,734 |
| Grand Total Transmission Growth Projects | | | - | - | 31 | 140,751 |

Claimed Component Wise Cost Bifurcation for Grid Stations – Transmission Growth Projects (Million Rs.)

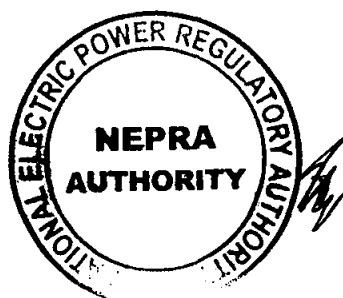
| Sr | Name of Grid Station | Material Cost | Civil Works | Erection Testing & Installation | Escalation Cost | Cont. and Others | Custom Duty | Land | IDC | Total |
|---|--------------------------------|---------------|---------------|---------------------------------|-----------------|------------------|--------------|---------------|---------------|---------------|
| 1 | 220 kV GIS Ziauddin | 3,444 | 1,238 | 36 | 641 | 804 | 581 | 7,034 | 2,154 | 15,932 |
| 2 | 220 kV GIS Landhi | 3,812 | 1,515 | 41 | 744 | 917 | 638 | 0 | 1,899 | 9,565 |
| 3 | 220 kV GIS DHA-4 | 1,813 | 606 | 17 | 331 | 415 | 300 | 0 | 777 | 4,260 |
| 4 | 132 kV GIS Site 2 | 835 | 473 | 18 | 187 | 227 | 152 | 2,931 | 700 | 5,522 |
| | 132 kV GIS Site 2 PTR addition | 533 | 118 | 7 | 93 | 113 | 75 | 0 | 146 | 1,085 |
| 5 | 132 kV GIS Malir -2 | 835 | 473 | 18 | 187 | 227 | 152 | 2,110 | 602 | 4,603 |
| 6 | 132 kV GIS K-Central 1 | 1,569 | 827 | 32 | 342 | 416 | 278 | 2,345 | 855 | 6,664 |
| 7 | 132 kV GIS Maymmar 2 | 835 | 473 | 18 | 187 | 227 | 152 | 1,406 | 697 | 3,994 |
| 8 | 220 kV GIS KKI | 1,367 | 801 | 25 | 298 | 374 | 272 | 0 | 620 | 3,756 |
| 9 | 132 kV GIS Hospital 2 | 1,036 | 709 | 25 | 250 | 303 | 203 | 2,344 | 932 | 5,802 |
| 10 | HVUB | 6,753 | 2,519 | 146 | 0 | 1,130 | 832 | 0 | 1,926 | 13,306 |
| 11 | 132 kV GIS PTR addition | 2,565 | 354 | 27 | 405 | 503 | 356 | 0 | 533 | 4,743 |
| 12 | 220 kV GIS ATR addition | 2,592 | 631 | 23 | 423 | 550 | 430 | 0 | 595 | 5,245 |
| 13 | GSMO | 151 | 0 | - | 32 | 19 | 0 | 0 | 0 | 201 |
| 14 | 132 kV GIS LILO STDC | 101 | 118 | 4 | 31 | 20 | 26 | 0 | 75 | 375 |
| Total Grid Stations – Transmission Growth Projects | | 28,241 | 10,855 | 437 | 4,151 | 6,245 | 4,447 | 18,170 | 12,511 | 85,053 |



Annex - A

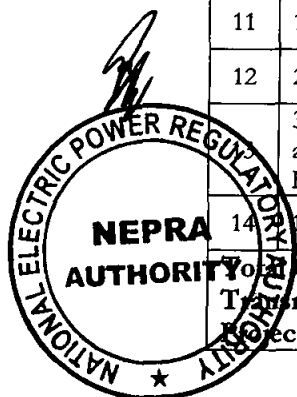
Claimed Component Wise Cost Bifurcation for Transmission Lines – Transmission Growth Projects (Million Rs.)

| Sr | Transmission Line | Material Cost | Civil Works | Installation | Escalation Cost | Cont. and Others | Duty | IDC | Total |
|--|--|---------------|--------------|--------------|-----------------|------------------|--------------|---------------|---------------|
| 1 | 220 kV UG D/C SURJANI-ZIAUDDIN | 10,235 | - | 722 | 1,472 | 1,864 | 1,379 | 5,006 | 20,678 |
| 2 | 132 kV OH D/C LILO valika - Nazimabad | 197 | 136 | 61 | 53 | 67 | 50 | 180 | 743 |
| 3 | 220 kV OH D/C LANDHI-BQPS-III | 3,617 | 1,567 | 469 | 759 | 962 | 711 | 2,003 | 10,088 |
| 4 | 220 kV UG D/C LILO CCP - KCR | 2,559 | - | 181 | 368 | 466 | 345 | 875 | 4,793 |
| 5 | 132 kV OH D/C LILO valika - N. Nazimabad | 148 | 102 | 46 | 39 | 50 | 37 | 156 | 579 |
| 6 | 132 kV OH D/C LILO Landhi-Johar | 148 | 102 | 46 | 39 | 50 | 37 | 134 | 557 |
| 7 | 132 kV OH D/C LILO Qayyumabad - K. South & Qayyumabad - K. East | 394 | 272 | 121 | 106 | 134 | 99 | 278 | 1,404 |
| 8 | 132 kV OH D/C LILO Maymar – Surjani | 148 | 102 | 46 | 39 | 50 | 37 | 156 | 578 |
| 9 | 132 kV OH D/C KKI-HUB CHOWKI | 739 | 510 | 228 | 198 | 251 | 186 | 417 | 2,529 |
| 10 | 132 kV OH D/C KKI-HUB CHOWKI | 1,139 | - | 119 | 169 | 214 | 158 | 356 | 2,156 |
| 11 | 132 kV OH S/C LILO Hospital - Hospital 2 – KDA | 457 | 349 | 153 | 128 | 163 | 121 | 507 | 1,879 |
| 12 | 132 kV OH TMOH (Rehabilitation of 3x132 kV Transmission Lines GSMO/TRN Projects) | 650 | - | 186 | 138 | 30 | 63 | - | 1,067.50 |
| 13 | 132 kV OH LILO STDC | 74 | 51 | 23 | 20 | 13 | 19 | 19 | 219 |
| 14 | 132 kV OH&UG D/C Hub to Bela | 3,669 | 1,109 | 1,017 | 0 | 1,034 | 378 | 1,220 | 8,428 |
| Total Transmission Lines – Transmission Growth Projects | | 24,174 | 4,300 | 3,418 | 3,528 | 5,348 | 3,620 | 11,307 | 55,699 |



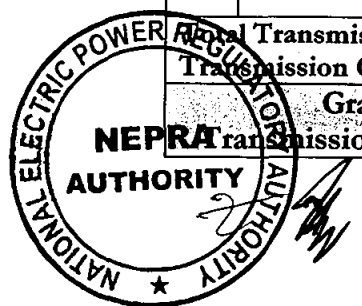
Approved Component Wise CAPEX for Grid Stations under the head of Transmission Growth Projects (Million Rs.)

| Sr | Name of Grid Station | Material, Civil, Erection & Installation, etc | | | Land /RoW compensation | Base Cost | Escalation Cost | Cont. and Others | Custom Duty | IDC | Grand Total Allowed |
|---|---|---|---------------|---------------|------------------------|---------------|-----------------|------------------|--------------|---------------|---------------------|
| | | FCC | LCC | Total | | | | | | | |
| | | A | b | c=a+b | | | | | | | |
| 1 | 220 kV GIS Ziauddin | 3,493 | 1,225 | 4,718 | 7,034 | 11,752 | 273 | 235.9 | 279 | 2,154 | 14,694 |
| 2 | 220 kV GIS Landhi | 3,833 | 1,534 | 5,367 | 0 | 5,367 | 267 | 244.2 | 307 | 1,899 | 8,084 |
| 3 | 220 kV GIS DHA-4 | 1,800 | 636 | 2,436 | 0 | 2,436 | 141 | 121.8 | 144 | 777 | 3,620 |
| 4 | 132 kV GIS Site 2 | 913 | 412 | 1,325 | 2,931 | 4,256 | 79 | 66.25 | 73 | 700 | 5,174 |
| | 132 kV GIS Site 2 PTR addition | 451 | 207 | 658 | 0 | 658 | 39 | 32.9 | 36 | 146 | 912 |
| 5 | 132 kV GIS Malir -2 | 913 | 412 | 1,325 | 2,110 | 3,435 | 79 | 66.25 | 73 | 602 | 4,255 |
| 6 | 132 kV GIS K-Central 1 | 1,673 | 755 | 2,428 | 2,345 | 4,773 | 144 | 121.4 | 134 | 855 | 6,027 |
| 7 | 132 kV GIS Maymmar 2 | 913 | 412 | 1,325 | 1,406 | 2,731 | 79 | 66.25 | 73 | 697 | 3,646 |
| 8 | 220/132 kV GIS KKI | 1591 | 562 | 2,152 | 0 | 2,152 | 297 | 374 | 272 | 620 | 3,715 |
| 9 | 132 kV GIS Hospital 2 | 1,222 | 548 | 1,770 | 2,344 | 4,114 | 105 | 88.5 | 98 | 932 | 5,337 |
| 10 | HVUB Projects (Grids & T/Lines) | 7,095 | 4,730 | 11,825 | 244 | 12,069 | 259 | 474 | 568 | 2199 | 15,569 |
| 11 | 132 kV GIS PTR addition | 2,136 | 810 | 2,946 | 0 | 2,946 | 60 | 90 | 171 | 533 | 3,800 |
| 12 | 220 kV GIS ATR addition | 2,583 | 663 | 3,246 | 0 | 3,246 | 182 | 162.3 | 207 | 595 | 4,392 |
| 14 | 3 Switchgear replacement at Port Qasim, Jail, and Hospital Grid | 0 | 151 | 151 | 0 | 151 | 0 | 3.02 | 0 | 0 | 154 |
| | 132 kV GIS LILO STDC | 154 | 68 | 222 | 0 | 222 | 0 | 4.44 | 12 | 75 | 314 |
| Total Grid Stations – Transmission Growth Projects | | 28,770 | 13,125 | 41,894 | 18,414 | 60,308 | 2,003 | 2,151 | 2,447 | 12,784 | 79,694 |



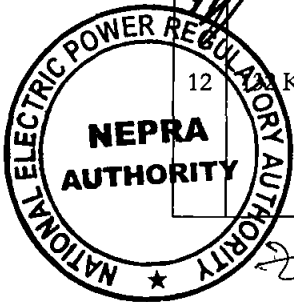
Approved Component Wise CAPEX for Transmission Lines under the head of Transmission Growth Projects (Million Rs.)

| Sr | Transmission Line | Material, Civil, Erection & Installation, etc | | | Land /RoW compensation | Base Cost | Escalation Cost | Cont. and Others | Custom Duty | IDC | Grand Total Allowed |
|---|--|---|---------------|----------------|--|---------------|-----------------|------------------|--------------|---------------|---------------------|
| | | FCC a | LCC b | Total c=a+b | | | | | | | |
| 1 | 220 kV UG D/C SURJANI-ZIAUDDIN | 8,286 | 2,672 | 10,958 | Included in Installation charges (LCC) | 10,958 | 628.06 | 548 | 663 | 5,006 | 17,803 |
| 2 | 132 kV OH D/C LILO valika - Nazimabad | 298 | 96 | 394 | | 394 | 22.58 | 20 | 24 | 180 | 640 |
| 3 | 220 kV OH D/C LANDHI-BQPS-III | 4,274 | 1,378 | 5,652 | | 5,652 | 275.33 | 257 | 342 | 2,003 | 8,529 |
| 4 | 220 kV UG D/C LILO CCPP - KCR | 2,071 | 668 | 2,739 | | 2,739 | 156.99 | 137 | 166 | 875 | 4,074 |
| 5 | 132 kV OH D/C LILO valika - N. Nazimabad | 223 | 72 | 295 | | 295 | 16.91 | 15 | 18 | 156 | 501 |
| 6 | 132 kV OH D/C LILO Landhi-Johar | 223 | 72 | 295 | | 295 | 16.91 | 15 | 18 | 134 | 479 |
| 7 | 132 kV OH D/C LILO Qayyumabad - K. South & Qayyumabad - K. East | 595 | 192 | 787 | | 787 | 45.11 | 39 | 48 | 278 | 1,197 |
| 8 | 132 kV OH D/C LILO Maymar - Surjani | 223 | 72 | 295 | | 295 | 16.91 | 15 | 18 | 156 | 501 |
| 9 | 132 kV OH D/C KKI-HUB CHOWKI | 1116 | 360 | 1,476 | | 1,476 | 198 | 251 | 186 | 417 | 2,529 |
| 10 | 132 kV OH D/C KKI-HUB CHOWKI | 952 | 307 | 1,259 | | 1,259 | 169 | 214 | 158 | 356 | 2,156 |
| 11 | 132 kV OH S/C LILO Hospital - Hospital 2 - KDA | 726 | 234 | 960 | | 960 | 55.02 | 48 | 58 | 507 | 1,628 |
| 12 | 132 kV OH TMOH (Rehabilitation of 3x132 kV Transmission Lines GSMO/TRN Projects) | 563 | 273 | 836 | | 836 | 0 | 16.72 | 45 | 0 | 898 |
| 13 | 132 kV OH LILO STDC | 112 | 36 | 148 | | 148 | 0 | 2.96 | 9 | 19 | 179 |
| Grand Total Transmission Lines – Transmission Growth Projects | | 19,662 | 6,432 | 26,094 | 18,414 | 26,094 | 1,601 | 1,578 | 1,752 | 10,087 | 41,112 |
| Grand Total Transmission Growth Projects | | 41,337 | 14,826 | 63,488 | | 81,902 | 11,345 | 3,256 | 3,630 | 20,672 | 120,805 |



Approved Major Scope and Timelines for Grid Stations under the head of Transmission Growth Projects (Million Rs.)

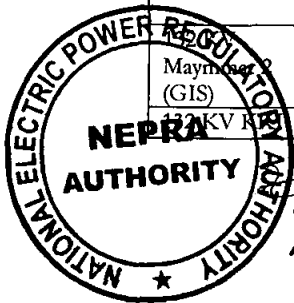
| Sr | Name of Grid Station | Major Scope of Work | Start Year (FY) | Completion Year (FY) | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | TOTAL |
|----|--|---|-----------------|----------------------|-------|--------|-------|-------|-------|-------|-------|--------|
| 1 | 220/132 KV Ziauddin Grid Station (GIS) | 2x250 MVA ATR, 7x220KV Bay, 5x 132KV Bay | 2026 | 2028 | - | - | 7,897 | 3,220 | 3,578 | - | - | 14,694 |
| 2 | 220/132 KV Landhi (GIS) | 1x250 MVA ATR, 10x220KV Bay, 5x 132KV Bay | 2024 | 2026 | 1,152 | 2,039 | 4,894 | - | - | - | - | 8,084 |
| 3 | 220/132 KV DHA-4 (GIS) | 1x250 MVA ATR, 4x220KV Bay, 2x 132KV Bay | 2028 | 2030 | - | - | - | - | 1,100 | 1,800 | 720 | 3,620 |
| 4 | 132 KV Site 2 (GIS) | 1x40 MVA PTR, 4x 132KV Bay, 1x11KV switchgear | 2025 | 2026 | - | 4,063 | 1,111 | - | - | - | - | 5,174 |
| 5 | 132 KV Site 2 PTR (GIS) | 1x40 MVA PTR, 1x132KV Bay, 1 Switchgear lot | 2030 | 2030 | - | - | - | - | - | - | 912 | 912 |
| 6 | 132 KV Malir -2 (GIS) | 1x40 MVA PTR, 4x 132KV Bay, 1x11KV switchgear lot | 2027 | 2029 | - | - | - | 93 | 3,059 | 1,102 | - | 4,255 |
| 7 | 132 KV K-Central 1 (GIS) | 2x40 MVA PTR, 7x 132KV Bay, 2x11KV switchgear lot | 2025 | 2026 | - | 3,991 | 2,036 | - | - | - | - | 6,027 |
| 8 | 132 KV Maymmar 2 (GIS) | 1x40 MVA PTR, 4x 132KV Bay, 1x11KV switchgear lot | 2028 | 2030 | - | - | - | - | 2,279 | 976 | 390 | 3,646 |
| 9 | 220/132 KV KKI (GIS) | 01 x 250 MVA 220/132kV ATR, 1x 220kV & 6x 132kV Bays | 2026 | 2027 | - | - | 1,495 | 2,220 | - | - | - | 3,715 |
| 10 | 132 KV Hospital 2 (GIS) | 1x40 MVA PTR, 6x 132KV Bay, 1x11KV switchgear lot | 2027 | 2029 | - | - | - | 133 | 3,639 | 1,565 | - | 5,337 |
| 11 | 132 KV HVUB Project | i. upgradation of 66kV grid stations to 132kV GIS grid, 3x PTR, 22x 132KV Bays ii. 132KV D/C Hub to Bela (OH & UG) Transmission Line, 150 km, AAAC (Greely) Conductor/ XLPE cable 1600 mm ² | 2024 | 2025 | 5,138 | 10,431 | - | - | - | - | - | 15,569 |
| 12 | 132 KV PTR (GIS) | i. Addition of 3 PTR : a) 1x67 MVA at at Jail (b) 1x67 MVA at KESC hospital (c) 1x40 MVA Port Qasim. ii. Augmentation of 1x26 to 1x40 MVA PTR at KEPZ. iii. 3x 145kV GIS bays and 3x 11kV Switchgear lot at Port Qasim, Jail, and Hospital Gird. | 2024 | 2030 | 2,404 | - | - | - | 890 | - | 507 | 3,800 |



| | | | | | | | | | | | | |
|--|------------------------|--|------|------|-------|--------|--------|-------|--------|-------|-------|--------|
| | | iv. 1x 11kV Switchgear lot at KEPZ | | | | | | | | | | |
| 13 | 220kV ATR (GIS) | 3 ATR at Surjani, Gulshan and Maripur (250 MVA at each grid) | 2025 | 2027 | - | 1,461 | 1,461 | 1,470 | - | - | - | 4,392 |
| 14 | GSMO (GIS) | 3X SwitchGear at port Qasim and North Nazimabad Grid Stations | 2024 | 2024 | 154 | - | - | - | - | - | - | 154 |
| 15 | 132 KV LILO STDC (GIS) | 132KV Bay at 132KV Gadap Grid Station | 2024 | 2024 | 314 | - | - | - | - | - | - | 314 |
| Total Grid Stations – Transmission Growth Projects | | | | | 9,162 | 21,985 | 18,894 | 7,136 | 14,545 | 5,443 | 2,529 | 79,694 |

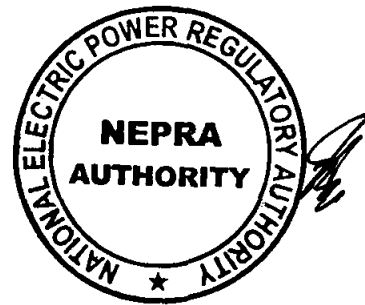
Approved Major Scope of Work and Timelines for Transmission Lines under the head of Transmission Growth Projects (Million Rs.)

| Grid Station | Transmission Line | Estimated Conductor Quantity Km | Conductor Type | Start (FY) | Completion (FY) | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|--|--|---------------------------------|--------------------|------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 220/132 KV Ziauddin Grid Station (GIS) | 220KV D/C SURJANI-ZIAUDDIN (UG), 20 km | 120 | XLPE 2500mm2 | 2026 | 2028 | 0 | 0 | 2004 | 7483 | 8314 | 0 | 0 | 17803 |
| 220/132 KV Ziauddin Grid Station (GIS) | 132KV D/C LILO valika - Nazimabad (OH), 4 km | 24 | STACIR/AW - 230/45 | 2026 | 2028 | 0 | 0 | 72 | 269 | 299 | 0 | 0 | 640 |
| 220/132 KV Landhi (GIS) | 220kV D/C LANDHI-BQPS-III (OH), 30 km | 360 | Twinbundle STACIR | 2024 | 2026 | 1217 | 2151 | 5163 | 0 | 0 | 0 | 0 | 8529 |
| 220/132 KV DHA-4 (GIS) | 220KV D/C LILO CCPP - KCR (UG), 5 km | 30 | XLPE 2500mm2 | 2028 | 2030 | 0 | 0 | 0 | 0 | 1238 | 2026 | 810 | 4074 |
| 132 KV Site 2 (GIS) | 132KV D/C LILO valika - N. Nazimabad (OH), 3 km | 18 | STACIR/AW - 230/45 | 2025 | 2026 | 0 | 253 | 248 | 0 | 0 | 0 | 0 | 501 |
| 132 KV Malir -2 (GIS) | 132KV D/C LILO Landhi-Johar (OH), 3km | 18 | STACIR/AW - 230/45 | 2027 | 2029 | 0 | 0 | 0 | 21 | 212 | 246 | 0 | 479 |
| 132 KV K-Central 1 (GIS) | 132KV D/C LILO Qayyumabad - K. South & Qayyumabad - K. East (OH), 8 km | 48 | STACIR/AW - 230/45 | 2025 | 2026 | 0 | 535 | 662 | 0 | 0 | 0 | 0 | 1197 |
| 132 KV K-Maymar 2 (GIS) | 132KV D/C LILO Maymar - Surjani (OH), 3 km | 18 | STACIR/AW - 230/45 | 2028 | 2030 | 0 | 0 | 0 | 0 | 195 | 218 | 87 | 501 |
| 132 KV K-KKI-HUB | 132KV D/C KKI-HUB | 90 | STACIR/AW - | 2026 | 2027 | 0 | 0 | 1007 | 1522 | 0 | 0 | 0 | 2529 |



Annex - B

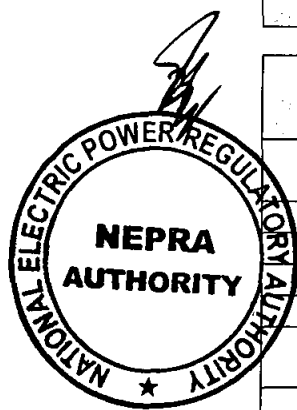
| | | | | | | | | | | | | | |
|--|---|-----|--|------|------|-------|-------|--------|--------|--------|-------|-----|--------|
| (GIS) | CHLOWKI (OH), 15 km | | 230/45 | | | | | | | | | | |
| 132 KV KKI (GIS) | 132KV D/C KKI-HUB CHLOWKI (UG), 3 km | 18 | XLPE cable 1600 mm ² and fibre optic cable | 2026 | 2027 | 0 | 0 | 858 | 1298 | 0 | 0 | 0 | 2156 |
| 132 KV Hospital 2 (GIS) | 132KV S/C LILO Hospital - Hospital 2 - KDA (OH), 13 km | 39 | STACIR/AW - 230/45 | 2027 | 2029 | 0 | 0 | 0 | 72 | 704 | 851 | 0 | 1628 |
| GSMO (GIS) | 132KV TMOH (OH) (Rehabilitation of 3x132 kV transmission lines 132 kV Sujani - Valika, 132 kV KDA Memon, 132 kV Pipri - KEPZ and line diversion of 132 kV port qasim - Landhi), 36 km | 109 | STACIR/AW - 230/45 | 2024 | 2024 | 898 | 0 | 0 | 0 | 0 | 0 | 0 | 898 |
| 132 KV LILO STDC (GIS) | 132KV LILO STDC (OH), 1.5 km | 9 | STACIR/AW - 230/45 | 2024 | 2024 | 179 | 0 | 0 | 0 | 0 | 0 | 0 | 179 |
| 132 KV HVUB (GIS) | 132KV D/C Hub to Bela (OH & UG), 150 km | 912 | AAAC (Greely) Conductor/ XLPE cable 1600 mm ² | 2024 | 2025 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Transmission Lines Transmission Growth Projects | | | | - | - | 2,294 | 2,939 | 10,014 | 10,665 | 10,962 | 3,341 | 897 | 41,112 |



Approved Year Wise Base Cost (FCC, LCC, Land Cost) Bifurcation & Progress of Work for Growth Projects – Grid Stations (Million Rs.)

| Grid Name Station | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | FY 2027 | | | |
|----------------------|--------------|--------------|------------|----------|--------------|--------------|--------------|----------|--------------|--------------|--------------|----------|--------------|--------------|----------|----------|
| | FCC | LCC | Land | Work % | FCC | LCC | Land | Work % | FCC | LCC | Land | Work % | FCC | LCC | Land | Work % |
| Ziauddin | 0 | 0 | 0 | 0% | - | - | - | 0% | 175 | 61 | 7,034 | 5% | 1,572 | 551 | - | 45% |
| Landhi | 575 | 230 | - | 15% | 958 | 384 | - | 25% | 2,300 | 921 | - | 60% | - | - | - | 0% |
| DHA-4 | 0 | 0 | 0 | 0% | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% |
| Site 2 | 0 | 0 | 0 | 0% | 365 | 165 | 2,931 | 40% | 548 | 247 | - | 60% | - | - | - | 0% |
| Site 2 PTR | 0 | 0 | 0 | 0% | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% |
| Malir -2 | 0 | 0 | 0 | 0% | - | - | - | 0% | - | - | - | 0% | 46 | 21 | - | 5% |
| K-Central 1 | 0 | 0 | 0 | 0% | 669 | 302 | 2,345 | 40% | 1,004 | 453 | - | 60% | - | - | - | 0% |
| Maymmar 2 | 0 | 0 | 0 | 0% | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% |
| KKI | 0 | 0 | 0 | 0% | - | - | - | 0% | 650 | 224 | - | 40% | 941 | 338 | - | 60% |
| Hospital 2 | 0 | 0 | 0 | 0% | - | - | - | 0% | - | - | - | 0% | 61 | 27 | - | 5% |
| HVUB | 2341 | 1561 | 244 | 33% | 4754 | 3169 | - | 67% | - | - | - | 0% | - | - | - | 0% |
| PTR | 1,385 | 525 | 0 | 65% | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% |
| ATR | 0 | 0 | 0 | 0% | 860 | 221 | - | 33% | 860 | 221 | - | 33% | 864 | 222 | - | 33% |
| GSMO | 0 | 151 | 0 | 100% | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% |
| LILO STDC | 154 | 68 | 0 | 100% | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% |
| Total | 4,455 | 2,535 | 244 | - | 7,606 | 4,241 | 5,276 | - | 5,537 | 2,127 | 7,034 | - | 3,484 | 1,159 | 0 | - |

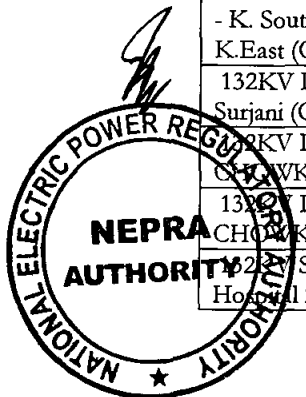
| Grid Name Station | FY 2028 | | | | FY 2029 | | | | FY 2030 | | | | Total | | | |
|----------------------|---------|-----|-------|--------|---------|-----|------|--------|---------|-----|------|------------|-------|-------|-------|------------|
| | FCC | LCC | Land | Work % | FCC | LCC | Land | Work % | FCC | LCC | Land | Progress % | FCC | LCC | Land | Progress % |
| Ziauddin | 1,747 | 612 | - | 50% | - | - | - | 0% | - | - | - | 0% | 3,493 | 1,225 | 7,034 | 100% |
| Landhi | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% | 3,833 | 1,534 | - | 100% |
| DHA-4 | 547 | 193 | - | 30% | 895 | 316 | - | 50% | 358 | 127 | - | 20% | 1,800 | 636 | - | 100% |
| Site 2 | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% | 913 | 412 | 2,931 | 100% |
| Site 2 PTR | - | - | - | 0% | - | - | - | 0% | 451 | 207 | - | 100% | 451 | 207 | - | 100% |
| Malir -2 | 320 | 144 | 2,110 | 35% | 548 | 247 | - | 60% | - | - | - | 0% | 913 | 412 | 2,110 | 100% |
| K-Central 1 | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% | 1,673 | 755 | 2,345 | 100% |



| | | | | | | | | | | | | | | | | |
|--------------|--------------|--------------|--------------|----------|--------------|--------------|----------|----------|--------------|------------|----------|----------|---------------|---------------|---------------|----------|
| Maymmar 2 | 274 | 123 | 1,406 | 30% | 457 | 206 | - | 50% | 183 | 82 | - | 20% | 913 | 412 | 1,406 | 100% |
| KKI | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% | 1,591 | 562 | - | 100% |
| Hospital 2 | 428 | 192 | 2,344 | 35% | 733 | 329 | - | 60% | - | - | - | 0% | 1,222 | 548 | 2,344 | 100% |
| HVUB | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% | 7,095 | 4,730 | 244 | 100% |
| PTR | 479 | 182 | - | 22% | - | - | - | 0% | 273 | 103 | - | 13% | 2,136 | 810 | - | 100% |
| ATR | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% | 2,583 | 663 | - | 100% |
| GSMO | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% | - | 151 | - | 100% |
| LILO STDC | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% | 154 | 68 | - | 100% |
| Total | 3,795 | 1,446 | 5,860 | - | 2,633 | 1,098 | 0 | - | 1,265 | 519 | 0 | - | 28,770 | 13,125 | 18,414 | - |

Approved Year Wise Base Cost (FCC, LCC, Land Cost) Bifurcation & Progress of Work for Growth Projects – Transmission Lines (Million Rs.)

| Transmission Line | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | FY 2027 | | | |
|--|---------|-----|-----|--------|---------|-----|-----|--------|---------|-----|-----|--------|---------|-------|-----|--------|
| | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % |
| 220KV D/C SURJANI-ZIAUDDIN (UG) | - | - | - | 0% | - | - | - | 0% | 414 | 134 | - | 5% | 3,729 | 1,202 | - | 45% |
| 132KV D/C LILO valika - Nazimabad (OH) | - | - | - | 0% | - | - | - | 0% | 15 | 5 | - | 5% | 134 | 43 | - | 45% |
| 220kV D/C LANDHI- BQPS-III (OH) | 641 | 207 | - | 15% | 1,069 | 345 | - | 25% | 2,565 | 827 | - | 60% | - | - | - | 0% |
| 220KV D/C LILO CCPP - KCR (UG) | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% |
| 132KV D/C LILO valika - N. Nazimabad (OH) | - | - | - | 0% | 89 | 29 | - | 40% | 134 | 43 | - | 60% | - | - | - | 0% |
| 132KV D/C LILO Landhi-Johar (OH) | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% | 11 | 4 | - | 5% |
| 132KV D/C LILO Qayyumabad - K. South & Qayyumabad - K. East (OH) | - | - | - | 0% | 238 | 77 | - | 40% | 357 | 115 | - | 60% | - | - | - | 0% |
| 132KV D/C LILO Maymar - Surjani (OH) | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% |
| 220KV D/C KKI-HUB CHOKKI (OH) | - | - | - | 0% | - | - | - | 0% | 444 | 143 | - | 40% | 672 | 217 | - | 60% |
| 132KV D/C KKI-HUB CHOKKI (UG) | - | - | - | 0% | - | - | - | 0% | 379 | 122 | - | 40% | 573 | 185 | - | 60% |
| 220KV D/C LILO Hospital - Hospital 2 - KDA (OH) | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% | 36 | 12 | - | 5% |

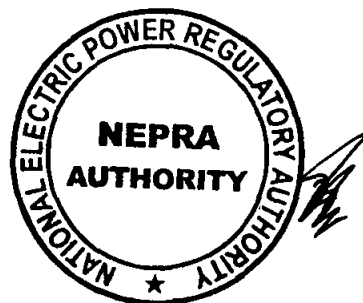


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Annex - B

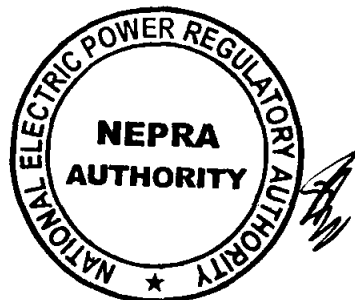
| | | | | | | | | | | | | | | | | |
|---------------------------------|--------------|------------|----------|------|--------------|------------|----------|-----|--------------|--------------|----------|----|--------------|--------------|----------|----|
| 132KV TMOH (OH) | 563 | 273 | - | 100% | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% |
| 132KV LILO STDC (OH) | 112 | 36 | - | 100% | - | - | - | 0% | - | - | - | 0% | - | - | - | 0% |
| 132KV D/C Hub to Bela (OH & UG) | - | - | - | 33% | - | - | - | 67% | - | - | - | 0% | - | - | - | 0% |
| Total | 1,316 | 516 | - | | 1,396 | 450 | - | | 4,308 | 1,389 | - | | 5,155 | 1,662 | - | |

2



| Transmission Line | FY 2028 | | | | FY 2029 | | | | FY 2030 | | | | Total | | | |
|--|--------------|--------------|----------|--------|--------------|------------|----------|--------|------------|------------|----------|--------|---------------|--------------|----------|--------|
| | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % |
| 220KV D/C SURJANI-ZIAUDDIN (UG) | 4,143 | 1,336 | - | 50% | - | - | - | 0% | - | - | 0 | 0% | 8,286 | 2,672 | - | 100% |
| 132KV D/C LILO valika - Nazimabad (OH) | 149 | 48 | - | 50% | - | - | - | 0% | - | - | - | 0% | 298 | 96 | - | 100% |
| 220kv D/C LANDHI- BQPS-III (OH) | - | - | - | 0% | - | - | - | 0% | - | - | 0 | 0% | 4,274 | 1,378 | - | 100% |
| 220KV D/C LILO CCPP - KCR (UG) | 629 | 203 | - | 30% | 1,030 | 332 | - | 50% | 412 | 133 | 0 | 20% | 2,071 | 668 | - | 100% |
| 132KV D/C LILO valika - N. Nazimabad (OH) | - | - | - | 0% | - | - | - | 0% | - | - | 0 | 0% | 223 | 72 | - | 100% |
| 132KV D/C LILO Landhi-Johar (OH) | 78 | 25 | - | 35% | 134 | 43 | - | 60% | - | - | 0 | 0% | 223 | 72 | - | 100% |
| 132KV D/C LILO Qayyumabad - K. South & Qayyumabad - K. East (OH) | - | - | - | 0% | - | - | - | 0% | - | - | 0 | 0% | 595 | 192 | - | 100% |
| 132KV D/C LILO Maymar - Surjani (OH) | 67 | 22 | - | 30% | 112 | 36 | - | 50% | 45 | 14 | 0 | 20% | 223 | 72 | - | 100% |
| 132KV D/C KKI-HUB CHOWKI (OH) | - | - | - | 0% | - | - | - | 0% | - | - | 0 | 0% | 1,116 | 360 | - | 100% |
| 132KV D/C KKI-HUB CHOWKI (UG) | - | - | - | 0% | - | - | - | 0% | - | - | 0 | 0% | 952 | 307 | - | 100% |
| 132KV S/C LILO Hospital - Hospital 2 - KDA | 254 | 82 | - | 35% | 435 | 140 | - | 60% | - | - | 0 | 0% | 726 | 234 | - | 100% |
| 132KV TMOH (OH) | - | - | - | 0% | - | - | - | 0% | - | - | 0 | 0% | 563 | 273 | - | 100% |
| 132KV LILO STDC (OH) | - | - | - | 0% | - | - | - | 0% | - | - | 0 | 0% | 112 | 36 | - | 100% |
| 132KV D/C Hub to Bela (OH & UG) | - | - | - | 0% | - | - | - | 0% | - | - | 0 | 0% | - | - | - | 100% |
| Total | 5,320 | 1,716 | - | | 1,711 | 552 | - | | 457 | 147 | - | | 19,662 | 6,432 | - | |

Note: RoW Compensation is part of installation charges and included in LCC.



Consumers' growth rate in KE network from FY 24 to FY 30

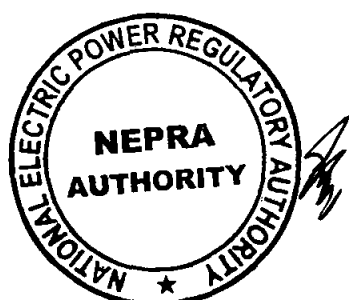
| Category | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Domestic | 3,078.51 | 3,210.60 | 3,332.35 | 3,483.03 | 3,623.44 | 3,766.27 | 3,911.72 | 4,059.60 |
| Comm. | 589.82 | 615.13 | 638.46 | 667.33 | 694.23 | 721.60 | 749.46 | 777.80 |
| Industrial | 26.97 | 28.14 | 29.21 | 30.53 | 31.77 | 33.02 | 34.30 | 35.60 |
| Agri. | 2.51 | 2.62 | 2.72 | 2.84 | 2.96 | 3.07 | 3.19 | 3.31 |
| Other | 0.30 | 0.31 | 0.32 | 0.34 | 0.35 | 0.36 | 0.38 | 0.39 |
| TOTAL | 3,698.12 | 3,856.81 | 4,003.06 | 4,184.06 | 4,352.74 | 4,524.33 | 4,699.05 | 4,876.69 |
| Growth% | - | 4.3% | 3.8% | 4.5% | 4.0% | 3.9% | 3.9% | 3.8% |

Energy (GWh) growth rate in KE network from FY 24 to FY 30

| DEMAND & SENT-OUT GROWTH | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | CAGR |
|--|--------|--------|--------|--------|---------|---------|---------|---------|------|
| Base Demand (GWh) - A | 21,490 | 22,015 | 22,554 | 23,105 | 23,670 | 24,249 | 24,842 | 25,450 | 2.4% |
| Captive Induction (GWh) - B | 119 | 297 | 305 | 312 | 320 | 328 | 326 | 344 | |
| Demand including Captive (GWh) C=A+B | 21,609 | 22,313 | 22,859 | 23,417 | 23,990 | 24,577 | 25,178 | 25,793 | 2.6% |
| Solar Disruption (GWh) - D | (247) | (477) | (700) | (931) | (1,175) | (1,445) | (1,733) | (2,050) | |
| Demand after Disruptions (GWh) E = C+D | 21,361 | 21,836 | 22,158 | 22,487 | 22,815 | 23,132 | 23,445 | 23,744 | 1.5% |
| Technical Loss (GWh) F | - | (9) | (50) | (90) | (135) | (179) | (227) | (275) | |
| Demand (GWh) G = E + F | 21,361 | 22,827 | 22,110 | 22,400 | 22,687 | 22,964 | 23,234 | 23,491 | 1.4% |
| Load Shed % | 12.0% | 8.7% | 7.0% | 6.0% | 5.3% | 4.9% | 4.4% | 4.1% | - |
| Load Shed (GWh) H | 2,554 | 1,895 | 1,552 | 1,348 | 1,210 | 1,116 | 1,026 | 951 | - |
| Total Sent-Out (GWh) I = G + H | 18,807 | 19,932 | 20,558 | 21,052 | 21,487 | 21,848 | 22,208 | 22,539 | 2.6% |

Peak Demand (MW) growth rate in KE network from FY 24 to FY 30

| Description | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | CAGR |
|--|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Average Demand | 2,453 | 2,506 | 2,575 | 2,638 | 2,702 | 2,761 | 2,836 | 2,905 | 2.4% |
| Peak Demand - A | 3,760 | 3,858 | 3,980 | 4,094 | 4,213 | 4,322 | 4,459 | 4,588 | 2.9% |
| Captive Induction - B | 249 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | - |
| Heatwave - C | 156 | 160 | 165 | 170 | 175 | 179 | 185 | 190 | - |
| Base Peak Demand (Day) - D=A+B+C | 4,165 | 4,350 | 4,478 | 4,597 | 4,720 | 4,834 | 4,977 | 5,111 | 3.0% |
| Solar Disruption on Day Peak (ΔMW) - E | 250 | 359 | 473 | 589 | 716 | 855 | 1,007 | 1,171 | - |
| Day Peak - F=D-E (with all impacts) | 3,915 | 3,992 | 4,004 | 4,008 | 4,004 | 3,979 | 3,970 | 3,940 | 0.1% |
| Night Peak (with all impacts) | 4,010 | 4,168 | 4,290 | 4,404 | 4,522 | 4,631 | 4,768 | 4,896 | 3.0% |



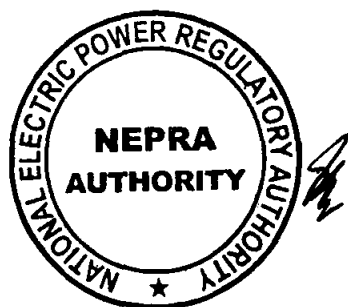
Load Shedding Elimination Plan in KE network from FY 24 to FY 30

| Description | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total Feeders Nos. | 2,084 | 2,120 | 2,156 | 2,212 | 2,279 | 2,362 | 2,456 | 2,528 |
| Load-shed Feeders Nos. | 421 | 343 | 282 | 241 | 212 | 177 | 150 | 126 |
| Load-shed free Feeders Nos. | 1,663 | 1,777 | 1,874 | 1,971 | 2,067 | 2,185 | 2,306 | 2,402 |
| Load-shed free Feeders % | 79.8% | 83.8% | 86.9% | 89.1% | 90.7% | 92.5% | 93.9% | 95.0% |
| Load Shed (GWh) | 2,554 | 1,895 | 1,552 | 1,348 | 1,210 | 1,116 | 1,026 | 951 |
| Load Shed % | 12.0% | 8.7% | 7.0% | 6.0% | 5.3% | 4.9% | 4.4% | 4.1% |

Category Wise Break up of Energy demand after captive and solar disruption (GWh)

| Description | FY22 | FY23 | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Domestic | 11,720 | 11,636 | 11,814 | 11,966 | 12,115 | 12,258 | 12,394 | 12,524 | 12,646 |
| Commercial | 2,789 | 2,772 | 2,820 | 2,862 | 2,904 | 2,944 | 2,983 | 3,021 | 3,059 |
| Industrial | 5,823 | 6,013 | 6,254 | 6,341 | 6,429 | 6,518 | 6,602 | 6,685 | 6,763 |
| Agricultural | 177 | 177 | 182 | 186 | 191 | 195 | 199 | 204 | 209 |
| Other | 675 | 763 | 756 | 755 | 761 | 772 | 785 | 799 | 814 |
| TOTAL | 21,184 | 21,361 | 21,827 | 22,110 | 22,400 | 22,687 | 22,964 | 23,234 | 23,491 |
| Growth % | | 0.8% | 2.2% | 1.3% | 1.3% | 1.3% | 1.2% | 1.2% | 1.1% |

2



Claimed Cost break up for Grid Station Maintenance, Protection and Operation (GSMOP) Million Rs.

| Material Category | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Switchgear | 33 | 384 | 434 | 313 | 120 | 229 | 189 | 1,702 |
| Overhauling of GIS bays | - | 194 | 279 | 633 | 350 | - | - | 1,456 |
| Power Transformer | - | 174 | 177 | 397 | 97 | 101 | - | 946 |
| Relays and allied equipment's and services | 163 | 146 | 97 | 121 | 92 | 78 | 79 | 776 |
| Block Transformer | - | - | 108 | 110 | - | 261 | - | 479 |
| Repair and maintenance of transformers | 46 | 50 | 54 | 53 | 63 | 67 | 73 | 406 |
| Charger / Battery | - | 78 | 33 | 74 | 41 | 56 | 70 | 352 |
| Current Transformer | 20 | 67 | 44 | 23 | 36 | 37 | 39 | 266 |
| Voltage Transformer | 40 | 31 | 20 | 31 | 16 | 34 | 82 | 254 |
| Control Panels | 25 | 63 | 28 | 14 | 56 | 16 | 19 | 221 |
| Cable / Conductors | 2 | 28 | 24 | 29 | 39 | 43 | 34 | 199 |
| Relay over current | 58 | 29 | 29 | 10 | 29 | 37 | 3 | 195 |
| Breaker and allied equipment's | 8 | 22 | 52 | 22 | 33 | 19 | 32 | 188 |
| Lock Out Tag Out | - | 10 | 48 | 52 | 70 | - | - | 180 |
| Capacitor | 19 | 22 | 36 | 19 | 29 | 24 | 25 | 174 |
| Analyzer | - | 48 | 21 | 9 | 24 | - | 65 | 167 |
| Double Cable to single cable | 31 | 35 | 80 | - | - | - | - | 146 |
| Switchgear Spares | 27 | 2 | 14 | 1 | 61 | - | 23 | 128 |
| Fault Recorder | 3 | 57 | 65 | - | - | - | - | 125 |
| Cards / Switches / Boards / RTU R acks / Gateway / Modules | 4 | 34 | 23 | 14 | 7 | 11 | 10 | 103 |
| Disconnecter | 5 | 10 | 32 | 10 | 19 | 7 | 17 | 100 |
| LIBB + BFR | - | - | - | 28 | - | 56 | - | 84 |
| Sergi for Pipri west | - | - | - | - | 81 | - | - | 81 |
| Other Material and services | 1243 | 750 | 347 | 86 | 117 | 2 | 53 | 2,598 |
| Grid Station Rehabilitation | 323 | 352 | 318 | 374 | 514 | 547 | 499 | 2,927 |
| Total | 2,050 | 2,586 | 2,363 | 2,423 | 1,894 | 1,625 | 1,312 | 14,253 |

7

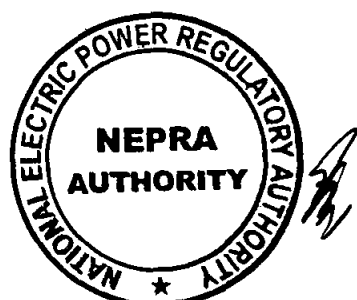


Claimed Cost breakup for overhead Transmission Line Maintenance (Million Rs.)

| Material Category | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
|---|--------------|--------------|------------|------------|------------|------------|------------|--------------|
| RTV coating Supply and Services | 404 | 364 | 303 | 106 | 13 | 0 | 16 | 1,206 |
| Cable / Conductor / Isolators / Insulators | 204 | 112 | 118 | 164 | 126 | 101 | 229 | 1,054 |
| Strengthening of Tower Structure & HT Poles | 20 | 149 | 145 | 145 | 144 | 84 | 20 | 707 |
| Replacement/Installation by Composite Insulators on 132KV | - | - | 46 | - | - | 207 | - | 253 |
| Damper Spacer / Vibration | 16 | 57 | 57 | - | 61 | 34 | - | 225 |
| CRO - Installation / Refurbishments of Insulators, Stubs, Crash Barriers, Spacer Damper | 43 | 47 | 40 | 6 | 7 | 7 | 7 | 157 |
| Overhead Dept offices at KDA and Baldia | - | 48 | - | - | - | - | - | 48 |
| FAT and Training for Tx Lines Material and Equipment | 3 | 3 | 4 | 4 | 4 | 5 | 6 | 29 |
| Safety and Innovation | 5 | - | 6 | - | 7 | - | 8 | 26 |
| Insulator | 11 | 0 | - | 5 | 1 | - | 3 | 20 |
| Li-Dar Survey 220kv & 132 | - | - | 38 | - | - | - | - | 38 |
| Others Material and services | 310 | 420 | 93 | 57 | 42 | 3 | 66 | 991 |
| Total Overhead | 1,016 | 1,200 | 850 | 487 | 405 | 441 | 355 | 4,754 |

Claimed Cost breakup for SCADA system maintenance and operation (Million Rs.)

| Material Category | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
|--|------------|------------|------------|------------|------------|------------|------------|--------------|
| Cards / Switches / Boards / RTU Racks / Gateway / Modules | 32 | 46 | 58 | 72 | 68 | 65 | 110 | 451 |
| Marshalling system | 66 | 51 | 22 | 47 | 37 | 25 | 101 | 349 |
| Rehab of Grid Automation System | - | - | 33 | 36 | 79 | - | 93 | 241 |
| Barco Wall for LDC & DRC with Spares | - | - | 4 | - | - | 156 | - | 160 |
| Module | 5 | 17 | 19 | 21 | 23 | 26 | 29 | 140 |
| Servers with Applications for DRC | - | 124 | - | - | - | - | - | 124 |
| Long Term Load Forecast – application | - | 96 | - | - | - | - | - | 96 |
| AGC – JROS | 90 | - | - | - | - | - | - | 90 |
| RTU System / Tools / Functionality | 9 | - | 51 | 2 | 24 | - | 4 | 90 |
| Analog Module | 2 | 9 | 9 | 16 | 6 | 12 | 12 | 66 |
| Store and Spares / Equipment / Services | 5 | 6 | 12 | 7 | 9 | 9 | 17 | 65 |
| GPS | - | 7 | 5 | 9 | 5 | 11 | 17 | 54 |
| Application Enhancements | - | 8 | 9 | 11 | - | - | 23 | 51 |
| Complete Station Data monitoring and EHT & HT Bays Control | - | - | 10 | 13 | - | 18 | - | 41 |
| RTU Module/AK/Cards/Power Supply | 0 | 0 | 12 | 0 | 12 | - | 15 | 39 |
| Battery for DRC | - | - | - | 10 | 29 | - | - | 39 |
| EHT Bay Integration Unit | - | - | 12 | - | 23 | - | - | 35 |
| UPS Service / Equipment/ Maintenance | - | - | 2 | - | 3 | 10 | 19 | 34 |
| LDC Renovation | 33 | - | - | - | - | - | - | 33 |
| Automation Health Monitoring System for 132 KV Stations | - | - | - | - | 33 | - | - | 33 |
| Others Material and services | 369 | 143 | 84 | 54 | 60 | 5 | 5 | 720 |
| SCADA | 611 | 507 | 342 | 298 | 411 | 337 | 445 | 2,951 |



Claimed Cost breakup for Telecom system maintenance and operation (Million Rs.)

| Material Category | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
|---|------------|------------|------------|------------|------------|------------|------------|--------------|
| SDH/PDH System Installation/Services/Spares | 69 | 81 | 77 | 92 | 73 | 83 | 82 | 557 |
| OPGW Cable / Services / CRO | 29 | 23 | 31 | 11 | 27 | 38 | 31 | 190 |
| Cell / Battery / Charger | 23 | 32 | 26 | 29 | 23 | 28 | 26 | 187 |
| PABX System/Services/Spares | 26 | 32 | 24 | 25 | 20 | 16 | 18 | 161 |
| Line Trap Current Circuit enhancement | 11 | 11 | - | 6 | - | 8 | - | 36 |
| Cards / Switches / Boards / RTU Racks / Gateway / Modules | 13 | 8 | 7 | 3 | 1 | 0 | 0 | 32 |
| Others Material and services | 101 | 90 | 49 | 19 | 5 | 4 | 3 | 271 |
| Telecom Total | 272 | 277 | 214 | 185 | 149 | 177 | 160 | 1,434 |

Claimed Cost breakup for Underground system maintenance and operation (Million Rs.)

| Material Category | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
|---|------------|------------|-----------|-----------|-----------|------------|-----------|------------|
| Cable / Termination / Joint & Accessories | 122 | 38 | 20 | 9 | 1 | 108 | 17 | 315 |
| Cable Replacement Project | - | 7 | 11 | 15 | 12 | 19 | 23 | 87 |
| Solid / Cross Link | - | - | 16 | - | - | 23 | - | 39 |
| Other Material and services | 87 | 74 | 11 | 9 | 12 | 6 | 6 | 205 |
| Underground Total | 209 | 119 | 58 | 33 | 25 | 156 | 46 | 646 |



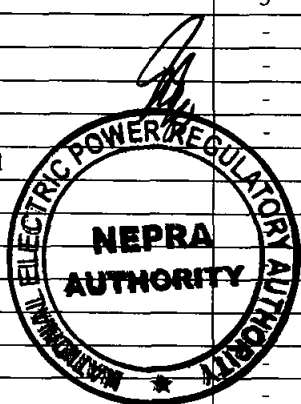
Approved CAPEX for Grid Station Maintenance, Protection & Improvement (Million Rs.)

| Material Category | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Switchgear (i) | 33 | 384 | 434 | 313 | 120 | 229 | 189 | 1,702 |
| Overhauling of GIS bays (ii) | - | 194 | 279 | 633 | 350 | - | - | 1,456 |
| Power Transformer (iii) | - | 174 | 177 | 397 | 97 | 101 | - | 946 |
| Relays and allied equipment's and services (iv) | 163 | 146 | 97 | 121 | 92 | 78 | 79 | 776 |
| Block Transformer | - | - | 108 | 110 | - | 261 | - | 479 |
| Repair and maintenance of Transformers | 46 | 50 | 54 | 53 | 63 | 67 | 73 | 406 |
| Charger / Battery | - | 78 | 33 | 74 | 41 | 56 | 70 | 352 |
| Current Transformer | 20 | 67 | 44 | 23 | 36 | 37 | 39 | 266 |
| Voltage Transformer | 40 | 31 | 20 | 31 | 16 | 34 | 82 | 254 |
| Control Panels | 25 | 63 | 28 | 14 | 56 | 16 | 19 | 221 |
| Cable / Conductors | 2 | 28 | 24 | 29 | 39 | 43 | 34 | 199 |
| Relay over current | 58 | 29 | 29 | 10 | 29 | 37 | 3 | 195 |
| Breaker and allied equipment's | 8 | 22 | 52 | 22 | 33 | 19 | 32 | 188 |
| Lock Out Tag Out | - | 10 | 48 | 52 | 70 | - | - | 180 |
| Capacitor | 19 | 22 | 36 | 19 | 29 | 24 | 25 | 174 |
| Analyzer | - | 48 | 21 | 9 | 24 | - | 65 | 167 |
| Double Cable to single cable | 31 | 35 | 80 | - | - | - | - | 146 |
| Switchgear Spares | 27 | 2 | 14 | 1 | 61 | - | 23 | 128 |
| Fault Recorder | 3 | 57 | 65 | - | - | - | - | 125 |
| Cards / Switches / Boards / RTU Racks / Gateway / Modules | 4 | 34 | 23 | 14 | 7 | 11 | 10 | 103 |
| Disconnecter | 5 | 10 | 32 | 10 | 19 | 7 | 17 | 100 |
| LIBB + BFR | - | - | - | 28 | - | 56 | - | 84 |
| Sergi for Pipri west | - | - | - | - | 81 | - | - | 81 |
| Other Material and services | 1243 | 750 | 347 | 86 | 117 | 2 | 53 | 2,598 |
| Grid Station Rehabilitation (v) | 323 | 352 | 318 | 374 | 514 | 547 | 499 | 2,927 |
| Total | 2,050 | 2,586 | 2,363 | 2,423 | 1,894 | 1,625 | 1,312 | 14,253 |

I. **SWITCH GEAR REPLACEMENT DETAILS:** Old and problematic switchgear will be replaced which have completed its service life.

Million Rs (LCC)

| Name of Grid Station | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
|----------------------|------|------|------|------|------|------|------|-------|
| Korangi East | - | 67 | 51 | 63 | - | - | - | 181 |
| Garden East | - | 65 | 57 | - | - | 43 | - | 165 |
| Azizabad | 3 | - | 65 | 65 | 27 | - | - | 160 |
| Elander Road | - | - | - | - | 58 | 8 | 81 | 147 |
| West Wharf | - | 56 | 7 | - | - | 71 | 8 | 142 |
| Jail Road Grid | - | 7 | 60 | 54 | - | - | - | 121 |
| Haroonabad | - | - | 48 | 51 | - | - | - | 99 |
| North Nazimabad | - | - | 51 | - | - | 40 | - | 91 |
| Old Town | - | - | 68 | 17 | - | - | - | 85 |
| Maripur 132 KV | - | - | - | - | - | - | 76 | 76 |
| PRL | - | 51 | 8 | 1 | - | - | 7 | 67 |
| Civic Center | - | - | - | 50 | 8 | 10 | - | 68 |
| Korangi South | - | 59 | - | - | - | - | - | 59 |
| CAA | - | 53 | - | - | 3 | - | - | 56 |
| North Karachi | - | - | - | - | 8 | 45 | - | 53 |
| Others | - | 13 | - | - | - | - | - | 13 |
| Gadap | - | - | - | - | 6 | 5 | - | 11 |



| | | | | | | | | |
|------------------------|-----------|------------|------------|------------|------------|------------|------------|--------------|
| Johar | - | - | 4 | - | - | - | 7 | 11 |
| 132kV GIS Shadman Town | 4 | - | - | - | - | 7 | - | 11 |
| Federal A | 6 | - | - | - | - | - | 5 | 11 |
| Valika | 1 | 10 | - | - | - | - | - | 11 |
| Balouch Colony | 7 | 3 | - | - | - | - | - | 10 |
| KDA Scheme 33 | 3 | - | - | - | - | - | 5 | 8 |
| Surjani Town | 9 | - | - | - | - | - | - | 9 |
| Jail Road Grid | - | - | 9 | - | - | - | - | 9 |
| Maymar | - | - | - | 7 | - | - | - | 7 |
| Malir | - | - | - | - | 5 | - | - | 5 |
| Federal B | - | - | - | - | 5 | - | - | 5 |
| Korangi West | - | - | - | 5 | - | - | - | 5 |
| Qayyumabad | - | - | 6 | - | - | - | - | 6 |
| Total | 33 | 384 | 434 | 313 | 120 | 229 | 189 | 1,702 |

ii. **OVERHAULING OF GIS BAYS DETAILS:** The activity is planned for the bays based on the completion of the service life.

GIS Overhauling based on OEM recommendations. Following overhauling have been planned.

a) 132KV GIS Bays at KDA (Make: BBC ; Installation year: 1982-83)

b) 220KV KCR & Lalazar GIS Bays (Make: Siemens 8 DP3 ; Installation year: 1996).

| Name of Gris Station | Unit | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|----------------------------------|---------------|----------|------------|------------|------------|------------|----------|----------|--------------|
| KDA Scheme 33 – 10 Bays - 132 KV | Mln Rs (LCC) | - | 194 | 279 | 212 | - | - | - | 685 |
| | No | - | 3 | 4 | 3 | - | - | - | 10 |
| KCR – 7 Bays – 220 KV | Mln Rs (LCC) | - | - | - | 421 | 350 | - | - | 771 |
| | No | - | - | - | 4 | 3 | - | - | 7 |
| Overhauling of GIS bays | Mln Rs | - | 194 | 279 | 633 | 350 | - | - | 1,456 |
| | No | - | 3 | 4 | 7 | 3 | - | - | 17 |

III. **POWER TRANSFORMERS REPLACEMENT DETAILS:** The useful life of Power trafo is of 30 Years.

| Grid Name | Period | PKR in Mln | Commissioning Date |
|-----------------|----------|------------|--------------------|
| Azizabad* | FY 27 | 227 (FCC) | 2010* |
| Balouch Colony | FY 26 | 88 (LCC) | 1988 |
| Balouch Colony | FY 27 | 88 (LCC) | 1989 |
| Gizri | FY 25 | 90 (LCC) | 1989 |
| North Karachi | FY 28 | 97 (LCC) | 1987 |
| North Nazimabad | FY 27 | 92 (LCC) | 1986 |
| Orangi Town | FY 25 | 85 (LCC) | 1996 |
| Pipri East | FY 26 | 89 (LCC) | 1980 |
| S.I.T.E | FY 29 | 90 (LCC) | 1986 |
| Total | - | 946 | - |

* Azizabad: Replacement of the old 40 MVA PTR with 50/67 MVA PTR.

iv. **RELAYS AND ALLIED EQUIPMENT:** Old obsoleted ABB IEDs installed at HIS Grids (2024 – 2028) HIBB relay replacement at Lalazar, Queen's Road, Jacobline, Gulshan, Clifton, Jauhar, North Karachi, Grids. (2025 – 2028)

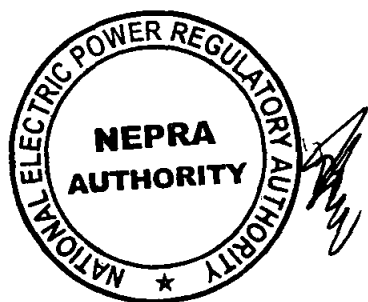


v. GRID STATION REHABILITATION DETAILS: Rehabilitation of grids includes civil works.

| FY | Grid Name | Million Rs. (LCC) | FY | Grid Name | Millions Rs. (LCC) |
|-------|---------------|-------------------|-------|-------------------|--------------------|
| FY 24 | K.Town | 323 | FY 28 | Jacobline | 514 |
| | Malir | | | Clifton | |
| | SITE | | | Defence | |
| | Old Landhi | | | Civic centre | |
| | Dhabeji | | | Orangi | |
| | Queens Road | | | CAA | |
| FY 25 | West Wharf | 352 | FY 29 | Liaquatabad | 547 |
| | Pipri East | | | KCR | |
| | Federal B | | | Lyari | |
| | Hub | | | Garden | |
| | Gulshan 132kV | | | KEPZ Grid | |
| | Valika | | | BOC Grid | |
| FY 26 | Vinder | 318 | FY 30 | RECP | 499 |
| | Nazimabad | | | ICI | |
| | Bela | | | Elander Road | |
| | Uthal | | | Johar | |
| | Gizri | | | Lalazar | |
| FY 27 | Baldia | 374 | FY 30 | Qayyumabad | 499 |
| | Airport 1 | | | Haroonabad | |
| | Pipri West | | | Korangi East Grid | |
| | North Khi | | | | |
| | Baloch | | Total | | 2,927 |
| | KDA | | | | |

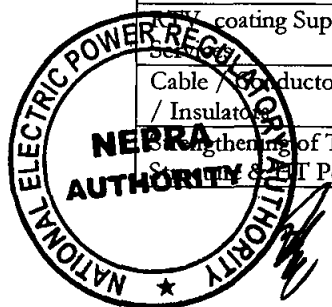
Approved CAPEX for Transmission Line Maintenance, Protection & Improvement (Mill. Rs)

| Material Category | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
|---|--------------|--------------|------------|------------|------------|------------|------------|--------------|
| RTV coating Supply and Services | 404 | 364 | 303 | 106 | 13 | 0 | 16 | 1,206 |
| Cable / Conductor / Isolators / Insulators | 204 | 112 | 118 | 164 | 126 | 101 | 229 | 1,054 |
| Strengthening of Tower Structure & HT Poles | 20 | 149 | 145 | 145 | 144 | 84 | 20 | 707 |
| Replacement/Installation by Composite Insulators on 132KV | - | - | 46 | - | - | 207 | - | 253 |
| Damper Spacer / Vibration | 16 | 57 | 57 | - | 61 | 34 | - | 225 |
| CRO - Installation / Refurbishments of Insulators, | 43 | 47 | 40 | 6 | 7 | 7 | 7 | 157 |
| Stubs, Crash Barriers, Spacer Damper | | | | | | | | |
| Overhead Dept offices at KDA and Baldia | - | 48 | - | - | - | - | - | 48 |
| FAT and Training for Tx Lines Material and Equipment | 3 | 3 | 4 | 4 | 4 | 5 | 6 | 29 |
| Safety and Innovation | 5 | - | 6 | - | 7 | - | 8 | 26 |
| Insulator | 11 | 0 | - | 5 | 1 | - | 3 | 20 |
| Li-Dar Survey 220kv & 132 | - | - | 38 | - | - | - | - | 38 |
| Others Material and services | 310 | 420 | 93 | 57 | 42 | 3 | 66 | 991 |
| Total Overhead | 1,016 | 1,200 | 850 | 487 | 405 | 441 | 355 | 4,754 |

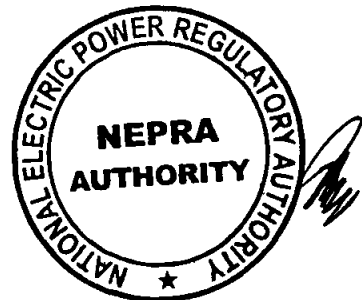


Cost break up of approved CAPEX of Transmission Maintenance in terms of Local and Foreign portions (LCC & FCC)

| Sub Projects | FY 2024 | | FY 2025 | | FY 2026 | | FY 2027 | | FY 2028 | | FY 2029 | | FY 2030 | | Total | | |
|---|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|-------|-------|-------|
| | FCC | LCC | FCC | LCC | FCC | LCC | FCC | LCC | FCC | LCC | FCC | LCC | FCC | LCC | FCC | LCC | Total |
| Switchgear | - | 33 | - | 384 | - | 434 | - | 313 | - | 120 | - | 229 | - | 189 | - | 1,702 | 1,702 |
| Overhauling of GIS bays | - | - | - | 194 | - | 279 | - | 633 | - | 350 | - | - | - | - | - | 1,456 | 1,456 |
| Power Transformer | - | - | - | 174 | - | 177 | 227 | 170 | - | 97 | - | 101 | - | - | 227 | 719 | 946 |
| Relays and allied equipment's and services | 36 | 127 | 6 | 140 | 13 | 84 | 64 | 57 | 32 | 60 | 3 | 75 | 13 | 66 | 167 | 609 | 776 |
| Block Transformer | - | - | - | - | 96 | 12 | 96 | 14 | - | - | 288 | - | - | - | 480 | 26 | 506 |
| Repair and maintenance of transformers | - | 46 | - | 50 | - | 54 | - | 53 | - | 63 | - | 67 | - | 73 | - | 406 | 406 |
| Charger / Battery | - | - | 78 | - | 32 | 1 | 74 | - | 40 | 1 | 56 | - | 67 | 3 | 347 | 5 | 352 |
| Current Transformer | 6 | 14 | 23 | 44 | - | 44 | - | 23 | - | 36 | - | 37 | - | 39 | 29 | 237 | 266 |
| Voltage Transformer | 40 | - | 31 | - | 20 | - | 31 | - | 15 | 1 | 33 | 1 | 82 | - | 252 | 2 | 254 |
| Control Panels | - | 25 | - | 63 | - | 28 | - | 14 | - | 56 | - | 16 | - | 19 | - | 221 | 221 |
| Cable / Conductors | - | 2 | - | 28 | - | 24 | - | 29 | - | 39 | - | 43 | - | 34 | - | 199 | 199 |
| Relay over current | - | 58 | - | 29 | - | 29 | - | 10 | - | 29 | - | 37 | - | 3 | - | 195 | 195 |
| Breaker and allied equipment's | - | 8 | 21 | 1 | 51 | 1 | 20 | 2 | 33 | - | 17 | 2 | 32 | - | 174 | 14 | 188 |
| Lock Out Tag Out | - | - | - | 10 | - | 48 | - | 52 | - | 70 | - | - | - | - | - | 180 | 180 |
| Capacitor | 19 | - | 21 | 1 | 36 | - | 17 | 2 | 29 | - | 24 | - | 25 | - | 171 | 3 | 174 |
| Analyzer | - | - | 48 | - | 19 | 2 | 7 | 2 | 24 | - | - | - | 65 | - | 163 | 4 | 167 |
| Double Cable to single cable | - | 31 | - | 35 | - | 80 | - | - | - | - | - | - | - | - | - | 146 | 146 |
| Switchgear Spares | - | 27 | - | 2 | - | 14 | - | 1 | - | 61 | - | - | - | 23 | - | 128 | 128 |
| Fault Recorder | - | 3 | - | 57 | - | 65 | - | - | - | - | - | - | - | - | - | 125 | 125 |
| Cards / Switches / Boards / RTU Racks / Gateway / Modules | - | 4 | 18 | 16 | 13 | 10 | 5 | 9 | 5 | 2 | 8 | 3 | 9 | 1 | 58 | 45 | 103 |
| Disconnecter | - | 5 | - | 10 | - | 32 | - | 10 | - | 19 | - | 7 | - | 17 | - | 100 | 100 |
| LIBB + BFR | - | - | - | - | - | - | - | 28 | - | - | - | 29 | - | - | - | 57 | 57 |
| Sergi for Pipri west | - | - | - | - | - | - | - | - | - | 81 | - | - | - | - | - | 81 | 81 |
| Other Material and services | 547 | 696 | 430 | 320 | 120 | 227 | 20 | 66 | 37 | 80 | - | 2 | 19 | 34 | 1,173 | 1,425 | 2,598 |
| Grid Station Rehabilitation | - | 323 | - | 352 | - | 318 | - | 374 | - | 514 | - | 547 | - | 499 | - | 2,927 | 2,927 |
| Coating Supply and | - | 404 | - | 364 | - | 303 | - | 106 | - | 13 | - | - | - | 16 | - | 1,206 | 1,206 |
| Cable / Conductor / Isolators / Insulators | - | 204 | 17 | 95 | 17 | 101 | 17 | 147 | 17 | 109 | 17 | 84 | 17 | 212 | 102 | 952 | 1,054 |
| Strengthening of Tower & HT Poles | - | 20 | - | 149 | - | 145 | - | 145 | - | 144 | - | 84 | - | 20 | - | 707 | 707 |

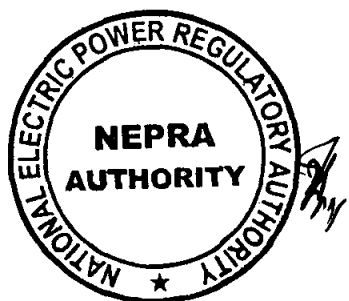


| | | | | | | | | | | | | | | | | | |
|---|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|--------------|---------------|---------------|
| Replacement/Installation by Composite Insulators on 132KV | - | - | - | - | - | 46 | - | - | - | - | - | 207 | - | - | - | 253 | 253 |
| Damper Spacer / Vibration | - | 16 | - | 57 | - | 57 | - | - | - | 61 | - | 34 | - | - | - | 225 | 225 |
| CRO - Installation / Refurbishments of Insulators, Stubs, Crash Barriers, Spacer Damper | - | 43 | - | 47 | - | 40 | - | 6 | - | 7 | - | 7 | - | 7 | - | 157 | 157 |
| Overhead Dept offices at KDA and Baldia | - | - | - | 48 | - | - | - | - | - | - | - | - | - | - | - | 48 | 48 |
| FAT and Training for Tx Lines Material and Equipment | - | 3 | - | 3 | - | 4 | - | 4 | - | 4 | - | 5 | - | 6 | - | 29 | 29 |
| Safety and Innovation | - | 5 | - | - | - | 6 | - | - | - | 7 | - | - | - | 8 | - | 26 | 26 |
| Insulator | - | 11 | - | - | - | - | - | 5 | - | 1 | - | - | - | 3 | - | 20 | 20 |
| Li-Dar Survey 220kv & 132 | - | - | - | - | - | 38 | - | - | - | - | - | - | - | - | - | 38 | 38 |
| Others Material and services | - | 310 | 55 | 365 | 7 | 86 | - | 57 | - | 42 | - | 3 | 11 | 55 | 73 | 918 | 991 |
| Grand Total | 648 | 2,418 | 748 | 3,038 | 424 | 2,789 | 578 | 2,332 | 232 | 2,067 | 446 | 1,620 | 340 | 1,327 | 3,416 | 15,591 | 19,007 |



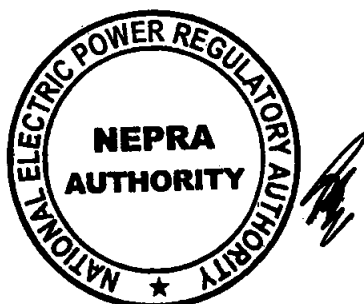
Claimed cost for rehabilitation/augmentation of existing T/Lines to avoid overloading under N-1 contingency

| Sr | Transmission Line | Commissioning Year | Loading on N-1 before rehab. | Loading on N-1 after rehab | OH Length km | UG Length km | Planned Year (FY) | Cost Mln Rs. |
|----|--|--------------------|--|----------------------------|--------------|--------------|-------------------|--------------|
| 1 | 132 kV, S/C Baldia – Orangi | 1969 | 112% | 55% | 6.5 | 0 | 2025 | 321 |
| 2 | 132 kV, S/C Valika – Surjani | 1984 | 124% | 62% | 7.28 | 0.27 | 2025 | 454 |
| 3 | 132 kV, S/C Johar – KDA | 1992 | 138% | 60% | 6.72 | 0 | 2025 | 332 |
| 4 | 132 kV, S/C K-Town – Landhi | 1981 | 140% | 60% | 0 | 0.5 | 2025 | 175 |
| 5 | 132 kV, S/C K.Town - Gul Ahmed | 1981 | 140% | 72% | 0 | 0.07 | 2025 | 25 |
| 6 | 132 kV, S/C Pipri – KEPZ | 1981 | 128% | 66% | 12.22 | 0 | 2025 | 603 |
| 7 | 132 kV, D/C Site – SGT | 1979 | 139% | 68% | 1.34 | 0 | 2026 | 44 |
| 8 | 132 kV, S/C KDA - Memon Goth | 1972 | 139% | 57% | 14.2 | 0 | 2026 | 701 |
| 9 | 132 kV, S/C Gulshan – KDA | 1992 | 138% | 54% | 11.36 | 0 | 2026 | 561 |
| 10 | 132 kV, S/C Valika to Federal-B (T-Federal-A) | 1972 | 148% | 68% | 11.76 | 0 | 2026 | 581 |
| 11 | 132 kV, S/C Gizri - K-West (T-Baloch) | 1981 | 123% | 70% | 8.4 | 0 | 2026 | 415 |
| 12 | 132 kV, D/C Baldia - Site-GT | 2005 | 125% | 69% | 8.6 | 0 | 2027 | 283 |
| 13 | 132 kV, S/C Maymar – Surjani | 1972 | 140% | 91% | 5.2 | 0 | 2027 | 257 |
| 14 | 132 kV, S/C K. East - Korangi South | 2009 | 101% | 64% | 4.5 | 0 | 2027 | 222 |
| 15 | 132 kV, S/C Labour Square – Maripur | 2003 | 129% | 84% | 4.8 | 0 | 2027 | 237 |
| 16 | 132 kV, S/C Civic – Liaquatabad | 1992 | Replacement of OFC due to Obsolescence | | 0 | 5 | 2027 | 1754 |
| 17 | 132 kV, S/C Port Qasim – Landhi | 1995 | 160% | 93% | 10.46 | 0 | 2027 | 516 |
| 18 | 132 kV, S/C Valika - N.Nazimabad | 2002 | 111% | 78% | 6.43 | 0 | 2027 | 318 |
| 19 | 220 kV, D/C Mauripur – KKI | 2003 | 133% | 79% | 15.8 | 0.48 | 2027 | 1216 |
| 20 | 132 kV, S/C Johar – Hospital | 2011 | 125% | 62% | 6.2 | 0.12 | 2028 | 348 |
| 21 | 132 kV, S/C Qayyumabad - K. East | 1995 | 105% | 56% | 10.8 | 0 | 2028 | 533 |
| 22 | 132 kV, S/C Old Golimar – Maripur | 2003 | 130% | 85% | 4.89 | 0 | 2028 | 241 |
| 23 | 132 kV, S/C KTPS – Qayyumabad | 2010 | 139% | 62% | 0 | 7.11 | 2028 | 2494 |
| 24 | 132 kV, S/C PRL – KTPS | 1985 | 123% | 97% | 1.47 | 0 | 2028 | 73 |
| 25 | 132 kV, S/C Landhi - Pipri West | 1995 | 110% | 62% | 14.4 | 0 | 2029 | 711 |
| 26 | 132 kV, S/C Qayyumabad - K-South | 1995 | 110% | 67% | 4 | 0 | 2029 | 198 |
| 27 | 132 kV, D/C CCPP – Landhi (conversion from 132kV to 220kV) | 1995 | N/A | N/A | 16 | 16 | 2027 | 8339 |



| | | | | | | | | | |
|--|--------------|--|--|--|--|--|--|--|--------|
| | Total | | | | | | | | 21,052 |
|--|--------------|--|--|--|--|--|--|--|--------|

2



Claimed cost for bay replacements to ensure N-1 compliance

| Sr | Name of Grid | No. of Bays | Cost | Details |
|----|--------------|-------------|-------|---|
| 1 | Landhi | 1 | 359 | One PTR Bay to shift the PTR from old Landhi to New Landhi after decommissioning of old Landhi. Existing Landhi Grid Age would be 64 years (Commissioning year: 1965) |
| 2 | Dhabeji | 2 | 710 | Two PTR Bays to shift existing two PTRs from old Dhabeji to New Dhabeji Existing Dhabeji Grid Age would be 59 years (Commissioning year: 1968) |
| 3 | Fedral A/B | 4 | 1,421 | Two PTR Bays to be added keeping in view the additional power transformers required for load growth. (Loading Profile In 2030: 83%) Two Line Bays are required for proper LILO connection of the Federal A Grid which is at present in T-Off arrangement. |
| | Total | 7 | 2,490 | |

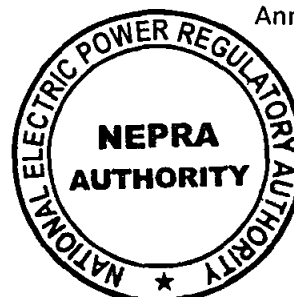
Claimed cost for 132 kV transformer replacement to ensure N-1 compliance

| Sr | Name of Grid | No. of ATR | Cost | Details |
|----|--------------|------------|------|---------------------------------------|
| 1 | Baldia | 1x250 MVA | 777 | Commissioning Date 1985. Age 44 years |
| 2 | Pipri West | 1x250 MVA | 777 | Commissioning Date 1983. Age 47 years |
| 3 | Spare ATR | 1x250 MVA | 782 | - |

Claimed cost for fire sprinkle system addition to ensure safety of equipment

| Grid | PTR | ATR | | Grid | PTR | ATR | | Grid | PTR | ATR |
|---------------|-----|-----|--|-------------------|-----|-----|--|-----------------|-----|-----|
| AIRPORT | 3 | - | | GADAP | 2 | -- | | KORANGI EAST | 3 | -- |
| AIRPORT - 2 | 2 | - | | GARDEN EAST | 3 | -- | | KORANGI SOUTH | 2 | -- |
| AZIZABAD | 2 | -- | | GHARO | 2 | -- | | KORANGI TOWN | 3 | -- |
| BALDIA | 3 | -- | | GIZRI | 3 | -- | | KORANGI WEST | 1 | -- |
| BALUCH COLONY | 3 | -- | | GULISTAN-E-JAUHAR | 1 | -- | | LANDHI | 3 | -- |
| BELA | 1 | -- | | GULSHAN | 4 | -- | | LIAQUATABAD | 3 | -- |
| BOC | 1 | -- | | GULSHAN-E-MAYMAR | 2 | -- | | LYARI | 2 | -- |
| CAA | 3 | -- | | GULSITAN-E-JAUHAR | 1 | -- | | MALIR | 3 | 1 |
| CIVIC CENTER | 3 | -- | | HARONABAD | 3 | -- | | MEMON GOTH | 2 | -- |
| CLIFTON | 3 | -- | | HUB CHOWKI | 2 | -- | | NORTH KARACHI | 4 | -- |
| DEFENCE | 3 | -- | | JACOB LINES | 3 | -- | | NORTH NAZIMABAD | 3 | -- |
| DHABEJI | 2 | -- | | JAIL ROAD | 2 | -- | | ORANGI TOWN | 4 | -- |
| ELANDER ROAD | 3 | -- | | KDA | 2 | -- | | PIPRI EAST | 2 | -- |

2



99/239

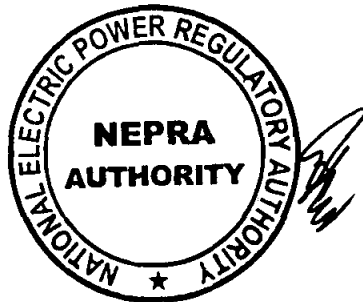
Annex - G

| | | | | | | | | | | |
|----------------|---|----|--|------------------|---|----|--|------------|---|----|
| FEDERAL A | 1 | -- | | KEPZ | 2 | -- | | PIPRI WEST | 2 | -- |
| FEDERAL B | 4 | -- | | KESC HOSPITAL | 2 | -- | | PORT QASIM | 2 | -- |
| PRL | 2 | -- | | RECP | 1 | -- | | UTHAL | 1 | -- |
| QAYYUMABAD | 2 | -- | | SITE | 6 | -- | | VINDER | 1 | 1 |
| QUEENS ROAD | 2 | -- | | SURJANI | 3 | -- | | | | |

Claimed cost for Oil Filled Cable replacements (OFC) to ensure N-1 compliance

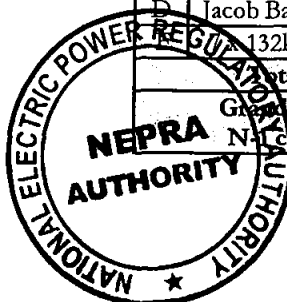
| Sr | Name of Grid | km | Year | Cost | Details |
|--------------|------------------------|--------------|----------|--------------|--|
| 1 | Defence - Gizri | 4.69 | 2028 | 1,273 | Length 4.685 km Existing Cable type 800 mm ² Year of commissioning 1995 May be replaced with 1200 sqmm XLPE Cable Circuit. |
| 2 | Defence - Korangi West | 4.74 | 2028 | 1,289 | Length 4.744 km Existing Cable type 800 mm ² Year of commissioning 1996 May be replaced with 1200 sqmm XLPE Cable Circuit. |
| 3 | Gulshan - Civic | 2.7 | 2029 | 725 | Length 2.697 km Existing Cable type 800 mm ² Year of commissioning 1992 May be replaced with 1200 sqmm XLPE Cable Circuit. |
| 4 | CAA - Landhi | 1.6 | 2030 | 430 | Length 1.6 km Existing Cable type 800 mm ² Year of commissioning 1972 May be replaced with 1200 sqmm XLPE Cable Circuit. |
| 5 | CAA - Malir | 4.37 | 2030 | 1,174 | Length 2.873+1.584 km Existing Cable type 800 mm ² Year of commissioning 1997 + 1991 May be replaced with 1200 sqmm XLPE Cable Circuit. |
| 6 | Jacob - Garden | 1.53 | 2030 | 410 | Length 1.525 km Existing Cable type 800 mm ² Year of commissioning 1996 May be replaced with 1200 sqmm XLPE Cable Circuit. |
| Total | | 19.62 | - | 5,301 | |

2



Approved CAPEX under the head of Transmission System Reliability / N-1 Contingency Compliance (Million Rs.)

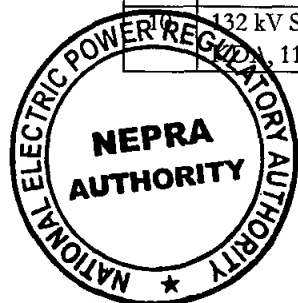
| Sr | Name of Transmission Line | Material, Civil, Erection & Installation, etc | | | RoW Compensation | Base Cost | Escalation Cost | Cont. and Others | Custom Duty | IDC | Grand Total Allowed |
|--|-------------------------------------|---|--------|--------|------------------|-----------|-----------------|------------------|-------------|-------|---------------------|
| | | FCC | LCC | Total | | | | | | | |
| | | a | b | c=a+b | | | | | | | |
| i. Addition of New T/Lines for N-1 contingent compliant System | | | | | | | | | | | |
| 1 | D/C NPQ/ DHABEJI | 1,781 | 574 | 2,355 | included in b | 2,355 | 135 | 118 | 142 | 793 | 3,543 |
| 2 | S/C KTPS-K - South | 342 | 110 | 452 | included in b | 452 | 26 | 23 | 27 | 151 | 679 |
| 3 | S/C Landhi from K. South G/S | 1,313 | 424 | 1,737 | included in b | 1,737 | 100 | 87 | 105 | 398 | 2,426 |
| 4 | 132kV KPC-Qayyumabad T/L | - | 1,500 | 1,500 | included in b | 1,500 | - | - | - | - | 1,500 |
| Total Addition of Lines for N-1 | | 3,436 | 2,608 | 6,044 | included in b | 6,044 | 260 | 227 | 275 | 1,342 | 8,149 |
| ii. Rehabilitation/ augmentation of existing transmission line for N-1 contingent compliant System | | | | | | | | | | | |
| 1 | Rehab 220 kV DC OH | 906 | 292 | 1,198 | included in b | 1,198 | 69 | 60 | 72 | 290 | 1,689 |
| 2 | Rehab 132 kV SC OH | 3,384 | 1,091 | 4,475 | included in b | 4,475 | 256 | 224 | 271 | 1,084 | 6,311 |
| 3 | Rehab 132 kV DC OH | 148 | 48 | 196 | included in b | 196 | 11 | 10 | 12 | 47 | 276 |
| 4 | Rehab 220 kV DC UG | 3,414 | 1,101 | 4,515 | included in b | 4,515 | 259 | 226 | 273 | 1,093 | 6,366 |
| 5 | Rehab 132 kV SC UG | 2,073 | 669 | 2,742 | included in b | 2,742 | 157 | 137 | 166 | 664 | 3,866 |
| Total Rehab of existing lines for N-1 | | 9,925 | 3,201 | 13,126 | included in b | 13,126 | 752 | 656 | 794 | 3,178 | 18,508 |
| iii. Replacements & other works for N-1 contingent compliant System | | | | | | | | | | | |
| A | Replacement of OFC Cables | | | | | | | | | | |
| 1 | 132 kV Defence - Gizri | 595 | 192 | 787 | included in b | 787 | 45 | 39 | 48 | 141 | 1,059 |
| 2 | 132 kV Defence - Korangi West | 602 | 194 | 796 | included in b | 796 | 46 | 40 | 48 | 143 | 1,073 |
| 3 | 132 kV Gulshan - Civic | 342 | 110 | 452 | included in b | 452 | 26 | 23 | 27 | 81 | 610 |
| 4 | 132 kV CAA - Landhi | 203 | 65 | 268 | included in b | 268 | 15 | 13 | 16 | 48 | 362 |
| 5 | 132 kV CAA - Malir | 554 | 179 | 733 | included in b | 733 | 42 | 37 | 44 | 132 | 988 |
| 6 | 132 kV Jacob - Garden | 194 | 62 | 256 | included in b | 256 | 15 | 13 | 16 | 46 | 345 |
| Total OFC cable replacement for N-1 | | 2,490 | 802 | 3,292 | included in b | 3,292 | 189 | 165 | 199 | 591 | 4,437 |
| B | Fire Sprinkler System | - | 2,975 | 2,975 | included in b | 2,975 | 238 | - | - | - | 3,213 |
| C | 220KV ATR Replacement | 1,336 | 112 | 1,448 | included in b | 1,448 | 76 | 72 | 107 | 254 | 1,957 |
| D | Jacob Baloch SCADA And Telecom work | - | 140 | 140 | included in b | 140 | - | - | - | 18 | 158 |
| | 132kV Bays replacement | 1,079 | 477 | 1,556 | included in b | 1,556 | 92 | 78 | 86 | 270 | 2,082 |
| Total Other Works for N-1 | | 4,905 | 4,506 | 9,410 | included in b | 9,410 | 594 | 315 | 392 | 1,133 | 11,847 |
| Grand Total System Reliability N-1 Contingency Compliance | | 18,266 | 10,315 | 28,580 | included in b | 28,580 | 1,607 | 1,198 | 1,461 | 5,653 | 38,503 |



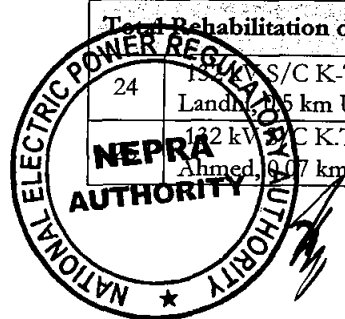
Approved Major Scope of work and timelines for transmission system reliability projects (Million Rs.)

| Sr | Rehabilitation / Reconductoring of Transmission Line | Estimated Conductor Quantity Km | Conductor Type | Start Year (FY) | Completion Year (FY) | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|--|--|---------------------------------|---------------------------------------|-----------------|----------------------|--------------|----------|--------------|--------------|--------------|--------------|------------|--------------|
| i. Addition of New T/Lines for N-1 contingent compliant System | | | | | | | | | | | | | |
| 1 | 220kV D/C NPQ/ DHABEJI (OH), 13 km | 150 | Twinbundle STACIR | 2026 | 2028 | 0 | 0 | 1056 | 1777 | 711 | 0 | 0 | 3543 |
| 2 | 132kV S/C KTPS-K - South (OH), 6 km | 18 | STACIR/AW - 230/45 | 2026 | 2027 | 0 | 0 | 270 | 409 | 0 | 0 | 0 | 679 |
| 3 | 132kV S/C Landhi from K. South G/S (UG), 8 km | 25 | XLPE cable 1600 mm ² | 2028 | 2030 | 0 | 0 | 0 | 0 | 735 | 1207 | 483 | 2426 |
| 4 | Taking over 132kV KPC- Qayyumabad T/L (OH) from NTDC | - | 400 mm CU and XLPE 800mm ² | 2024 | 2024 | 1500 | 0 | 0 | 0 | 0 | 0 | 0 | 1500 |
| Total Addition of Lines for N-1 (i) | | - | - | - | - | 1,500 | 0 | 1,326 | 2,186 | 1,446 | 1,207 | 483 | 8,149 |
| ii. Rehabilitation/augmentation of existing transmission line for N-1 contingent compliant System | | | | | | | | | | | | | |
| 5 | 132 kV S/C Baldia – Orangi, 6.5 km | 20 | STACIR/AW - 230/45 | 2,025 | 2,025 | - | 271 | - | - | - | - | - | 271 |
| 6 | 132 kV S/C Valika – Surjani, 7.3 km | 22 | STACIR/AW - 230/45 | 2,025 | 2,025 | - | 303 | - | - | - | - | - | 303 |
| 7 | 132 kV S/C Johar – KDA, 6.72 km | 20 | STACIR/AW - 230/45 | 2,025 | 2,025 | - | 280 | - | - | - | - | - | 280 |
| 8 | 132 kV S/C Pipri – KEPZ, 12.22 km | 37 | STACIR/AW - 230/45 | 2,025 | 2,025 | - | 509 | - | - | - | - | - | 509 |
| 9 | 132 kV S/C KDA - Memon Goth, 14.2 km | 43 | STACIR/AW - 230/45 | 2,026 | 2,026 | - | - | 591 | - | - | - | - | 591 |
| | 132 kV S/C Gulshan – KDA, 11.36 km | 34 | STACIR/AW - 230/45 | 2,026 | 2,026 | - | - | 473 | - | - | - | - | 473 |

2

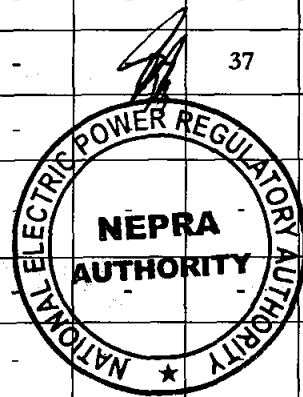


| Sr | Rehabilitation / Reconductoring of Transmission Line | Estimated Conductor Quantity Km | Conductor Type | Start Year (FY) | Completion Year (FY) | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|---|--|---------------------------------|---------------------------------|-----------------|----------------------|-------|--------------|--------------|--------------|------------|------------|-------|--------------|
| 11 | 132 kV S/C Valika to Federal-B (T-Federal-A), 11.76 km | 35 | STACIR/AW - 230/45 | 2,026 | 2,026 | - | - | 490 | - | - | - | - | 490 |
| 12 | 132 kV S/C Gizri - K-West (T-Baloch), 8.4 km | 25 | STACIR/AW - 230/45 | 2,026 | 2,026 | - | - | 350 | - | - | - | - | 350 |
| 13 | 132 kV S/C Maymar – Surjani, 5.2 km | 16 | STACIR/AW - 230/45 | 2,027 | 2,027 | - | - | - | 216 | - | - | - | 216 |
| 14 | 132 kV S/C K. East - Korangi South, 4.5 km | 14 | STACIR/AW - 230/45 | 2,027 | 2,027 | - | - | - | 187 | - | - | - | 187 |
| 15 | 132 kV S/C Labour Square – Maripur, 4.8 km | 14 | STACIR/AW - 230/45 | 2,027 | 2,027 | - | - | - | 200 | - | - | - | 200 |
| 16 | 132 kV S/C Port Qasim – Landhi, 10.46 km | 31 | STACIR/AW - 230/45 | 2,027 | 2,027 | - | - | - | 435 | - | - | - | 435 |
| 17 | 132 kV S/C Valika - N.Nazimabad, 6.43 km | 19 | STACIR/AW - 230/45 | 2,027 | 2,027 | - | - | - | 268 | - | - | - | 268 |
| 18 | 132 kV S/C Johar – Hospital, 6.2 km | 19 | STACIR/AW - 230/45 | 2,028 | 2,028 | - | - | - | - | 258 | - | - | 258 |
| 19 | 132 kV S/C Qayyumabad - K. East, 10.8 km | 32 | STACIR/AW - 230/45 | 2,028 | 2,028 | - | - | - | - | 450 | - | - | 450 |
| 20 | 132 kV S/C Old Golimar – Maripur, 4.89 km | 15 | STACIR/AW - 230/45 | 2,028 | 2,028 | - | - | - | - | 204 | - | - | 204 |
| 21 | 132 kV S/C PRL – KTPS, 1.47 km | 4 | STACIR/AW - 230/45 | 2,028 | 2,028 | - | - | - | - | 61 | - | - | 61 |
| 22 | 132 kV S/C Landhi - Pipri West, 14.4 km | 43 | STACIR/AW - 230/45 | 2,029 | 2,029 | - | - | - | - | - | 599 | - | 599 |
| 23 | 132 kV S/C Qayyumabad - K-South, 4 km | 12 | STACIR/AW - 230/45 | 2,029 | 2,029 | - | - | - | - | - | 167 | - | 167 |
| Total Rehabilitation of 132 kV SC OH T/Lines – A | | | | | | - | 1,363 | 1,904 | 1,306 | 973 | 766 | - | 6,311 |
| 24 | 132 kV S/C K-Town – Landhi, 0.5 km UG | 2 | XLPE cable 1600 mm ² | 2,025 | 2,025 | - | 148 | - | - | - | - | - | 148 |
| | 132 kV S/C K-Town - Gul Ahmed, 0.07 km UG | 0.21 | XLPE cable 1600 mm ² | 2,025 | 2,025 | - | 21 | - | - | - | - | - | 21 |



Annex - H

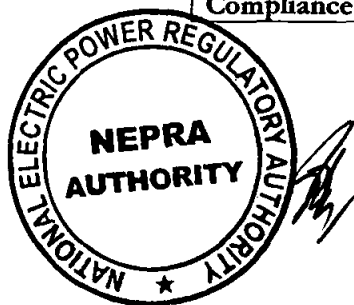
| Sr | Rehabilitation / Reconductoring of Transmission Line | Estimated Conductor Quantity Km | Conductor Type | Start Year (FY) | Completion Year (FY) | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|---|---|--|------------------------------------|-----------------------|----------------------------|-------|-------|-------|--------|-------|-------|-------|--------|
| 26 | 132 kV S/C Civic – Liaquatabad, 5 km UG | 15 | XLPE cable 1600 mm ² | 2,027 | 2,027 | - | - | - | 1479 | - | - | - | 1479 |
| 27 | 132 kV S/C Johar – Hospital, 0.12 km UG | 0.36 | XLPE cable 1600 mm ² | 2,028 | 2,028 | - | - | - | - | 35 | - | - | 35 |
| 28 | 132 kV S/C Valika – Surjani, 0.27 km UG | 1 | XLPE cable 1600 mm ² | 2,025 | 2,025 | - | 80 | - | - | - | - | - | 80 |
| 29 | 132 kV S/C KTPS – Qayyumabad, 7.11 km UG | 21 | XLPE cable 1600 mm ² | 2,028 | 2,028 | - | - | - | - | 2,103 | - | - | 2,103 |
| Rehabilitation of 132 kV SC UG T/Lines – B | | 39 | | | | - | 249 | - | 1,479 | 2,138 | - | - | 3,866 |
| 30 | 132 kV D/C Site – SGT, 0.67 km OH | 4 | STACIR/AW - 230/45 | 2,026 | 2,026 | - | - | 37 | - | - | - | - | 37 |
| 31 | 132 kV D/C Baldia - Site- GT, 4.3 km OH | 26 | STACIR/AW - 230/45 | 2,027 | 2,027 | - | - | - | 239 | - | - | - | 239 |
| Rehabilitation of 132 kV D/C OH T/Lines – C | | 30 | | | | - | | 37 | 239 | - | - | - | 276 |
| 32 | 220 kV D/C Mauripur – KKI, 8km OH | 94.8 | Twinbunde STACIR | 2027 | 2027 | - | | | 840 | - | - | - | 840 |
| 33 | conversion from 132kV to 220kV CCPP – Landhi D/C, 8 km OH | 96 | Twinbunde STACIR | 2027 | 2027 | - | | | 850 | - | - | - | 850 |
| Rehabilitation of 220 kV D/C OH T/Lines – D | | 191 | | | | - | | | 1,689 | - | - | - | 1,689 |
| 34 | conversion from 132kV to 220kV CCPP – Landhi D/C, 8 km UG | 48 | XLPE 2500mm ² | 2027 | 2027 | - | | | 6180 | - | - | - | 6,180 |
| 35 | 220 kV D/C Mauripur – KKI, 0.24 km UG | 1 | XLPE 2500mm ² | 2027 | 2027 | - | - | - | 185 | - | - | - | 185 |
| Rehabilitation of 220 kV D/C UG Lines – E | | 49 | | | | - | - | - | 6,366 | - | - | - | 6,366 |
| Total Rehabilitation for N-1 Compliance (ii=A+B+C+D+E) | | 764 | | | | - | 1,612 | 1,941 | 11,079 | 3,111 | 766 | - | 18,508 |



| Sr | Rehabilitation / Reconductoring of Transmission Line | Estimated Conductor Quantity Km | Conductor Type | Start Year (FY) | Completion Year (FY) | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|--|--|--|------------------------------------|-----------------------|----------------------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|
| iii. Replacements & other works for N-1 contingent compliant System | | | | | | | | | | | | | |
| OFC Cable Replacement | | | | | | | | | | | | | |
| 36 | 132kV Defence - Gizri (UG), 5km | 14 | XLPE cable 1200 mm ² | 2028 | 2030 | - | - | - | - | 511 | 145 | 403 | 1059 |
| 37 | 132kV Defence - Korangi West (UG), 5 km | 14 | XLPE cable 1200 mm ² | 2028 | 2030 | - | - | - | - | 519 | 147 | 407 | 1073 |
| 38 | 132kV Gulshan - Civic (UG), 3km | 8 | XLPE cable 1200 mm ² | 2028 | 2030 | - | - | - | - | 295 | 83 | 232 | 610 |
| 39 | 132kV CAA - Landhi (UG), 2km | 5 | XLPE cable 1200 mm ² | 2028 | 2030 | - | - | - | - | 175 | 49 | 137 | 362 |
| 40 | 132kV CAA - Malir (UG), 4km | 13 | XLPE cable 1200 mm ² | 2028 | 2030 | - | - | - | - | 477 | 135 | 375 | 988 |
| 41 | 132kV Jacob - Garden (UG), 2km | 5 | XLPE cable 1200 mm ² | 2028 | 2030 | - | - | - | - | 167 | 47 | 131 | 345 |
| Total OFC Cable Replacement - F | | 59 | - | - | - | - | - | - | - | 2,144 | 606 | 1,685 | 4,437 |
| 42 | 132KV Bay Replacement at Landhi, Dhabeji, Federal A/B | 1 x 132kV Bay replacement at Landhi | | 2028 | 2028 | - | - | - | - | 300 | - | - | 300 |
| | | 2 x 132kV Bays replacement Dhabeji | | 2029 | 2029 | - | - | - | - | - | 594 | - | 594 |
| | | 4 x 132kV Bays replacement at Federal A/B | | 2030 | 2030 | - | - | - | - | - | - | 1188 | 1188 |
| 43 | 220KV ATR Replacement at Baldia and Pipri West ; 1 spare ATR | Spare ATR 250 MVA | | 2024 | 2024 | 654 | - | - | - | - | - | - | 654 |
| | | Replacement 250 MVA, Baldia | | 2029 | 2029 | - | - | - | - | - | 651 | - | 651 |
| | | Replacement 250 MVA, Pipri | | 2030 | 2030 | - | - | - | - | - | - | 651 | 651 |
| 44 | Fire Sprinkler system | Fire Sprinkler system at Grids | | 2025 | 2028 | - | 536 | 893 | 893 | 893 | - | - | 3213 |
| 45 | 132kV Jacob Baloch SCADA And Telecom | - | | 2024 | 2024 | 158 | - | - | - | - | - | - | 158 |
| Total other works - G | | - | | - | - | 812 | 536 | 893 | 893 | 11,93 | 1,245 | 18,39 | 7,409 |
| Total replacement & other works for N-1 (iii = F+G) | | - | | - | - | 812 | 536 | 893 | 893 | 3,337 | 1,851 | 3,524 | 11,847 |
| Grand Total Transmission System Reliability / N-1 Compliance (i+ii+iii) | | - | | - | - | 2,312 | 2,148 | 4,160 | 14,158 | 7,894 | 3,824 | 4,007 | 38,503 |

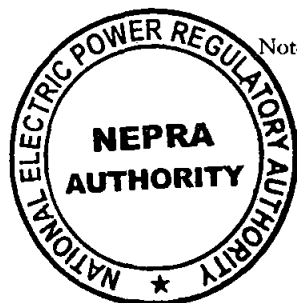
Approved Year Wise Base Cost (FCC , LCC, Land Cost) Bifurcation and progress of work for Transmission System Reliability (million Rs)

| Transmission Line | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | FY 2027 | | | |
|---|------------|--------------|----------|----------|----------|------------|----------|----------|------------|--------------|----------|----------|--------------|--------------|----------|----------|
| | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % |
| D/C NPQ/ DHABEJI | - | - | - | - | - | - | - | - | 531 | 171 | - | 30% | 893 | 288 | - | 50% |
| S/C KTPS-K - South | - | - | - | - | - | - | - | - | 136 | 44 | - | 40% | 206 | 66 | - | 60% |
| S/C Landhi from K. South G/S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 132kV KPC-Qayyumabad T/L | - | 1,500 | - | 100% | - | - | - | - | - | - | - | - | - | - | - | - |
| Rehab 220 kV DC OH | n.p | n.p | - | n.p | n.p | n.p | - | n.p | n.p | n.p | - | n.p | n.p | n.p | - | n.p |
| Rehab 132 kV SC OH | n.p | n.p | - | n.p | n.p | n.p | - | n.p | n.p | n.p | - | n.p | n.p | n.p | - | n.p |
| Rehab 132 kV DC OH | n.p | n.p | - | n.p | n.p | n.p | - | n.p | n.p | n.p | - | n.p | n.p | n.p | - | n.p |
| Rehab 220 kV DC UG | n.p | n.p | - | n.p | n.p | n.p | - | n.p | n.p | n.p | - | n.p | n.p | n.p | - | n.p |
| Rehab 132 kV SC UG | n.p | n.p | - | n.p | n.p | n.p | - | n.p | n.p | n.p | - | n.p | n.p | n.p | - | n.p |
| 132 kV Defence - Gizri | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 132 kV Defence - Korangi West | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 132 kV Gulshan - Civic | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 132 kV CAA - Landhi | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 132 kV CAA - Malir | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 132 kV Jacob - Garden | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fire Sprinkler System | - | - | - | - | - | 496 | - | 17% | - | 826 | - | 28% | - | 826 | - | 28% |
| 220KV ATR Replacement | 447 | 37 | - | 33% | - | - | - | - | - | - | - | - | - | - | - | - |
| Jacob Baloch SCADA And Telecom work | - | 140 | - | 100% | - | - | - | - | - | - | - | - | - | - | - | - |
| 7 x 132kV Bays replacement | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Grand Total Transmission System Reliability / N-1 Compliance | 447 | 1,677 | - | - | - | 496 | - | - | 667 | 1,041 | - | - | 1,099 | 1,181 | - | - |



| Transmission Line | FY 2028 | | | | FY 2029 | | | | FY 2030 | | | | Total | | | |
|---|--------------|--------------|----------|----------|--------------|------------|----------|----------|--------------|------------|----------|----------|---------------|---------------|----------|----------|
| | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % |
| D/C NPQ/ DHABEJI | 357 | 115 | | 20% | - | - | | 0% | - | - | | 0% | 1,781 | 574 | - | 100% |
| S/C KTPS-K - South | - | - | - | - | - | - | - | - | - | - | - | - | 342 | 110 | - | 100% |
| S/C Landhi from K. South G/S | 398 | 128 | | 30% | 654 | 211 | | 50% | 262 | 84 | | 20% | 1,313 | 424 | - | 100% |
| 132kV KPC-Qayyumabad T/L | - | - | - | - | - | - | - | - | - | - | - | - | - | 1,500 | | 100% |
| Rehab 220 kV DC OH | n.p | n.p | - | n.p | n.p | n.p | - | n.p | n.p | n.p | - | n.p | 906 | 292 | - | 100% |
| Rehab 132 kV SC OH | n.p | n.p | - | n.p | n.p | n.p | - | n.p | n.p | n.p | - | n.p | 3,384 | 1,091 | - | 100% |
| Rehab 132 kV DC OH | n.p | n.p | - | n.p | n.p | n.p | - | n.p | n.p | n.p | - | n.p | 148 | 48 | - | 100% |
| Rehab 220 kV DC UG | n.p | n.p | - | n.p | n.p | n.p | - | n.p | n.p | n.p | - | n.p | 3,414 | 1,101 | - | 100% |
| Rehab 132 kV SC UG | n.p | n.p | - | n.p | n.p | n.p | - | n.p | n.p | n.p | - | n.p | 2,073 | 669 | - | 100% |
| 132 kV Defence - Gizri | 287 | 93 | - | 48% | 81 | 26 | - | 14% | 226 | 73 | - | 38% | 595 | 192 | - | 100% |
| 132 kV Defence - Korangi West | 291 | 94 | - | 48% | 82 | 27 | - | 14% | 229 | 74 | - | 38% | 602 | 194 | - | 100% |
| 132 kV Gulshan - Civic | 165 | 53 | - | 48% | 47 | 15 | - | 14% | 130 | 42 | - | 38% | 342 | 110 | - | 100% |
| 132 kV CAA - Landhi | 98 | 32 | - | 48% | 28 | 9 | - | 14% | 77 | 25 | - | 38% | 203 | 65 | - | 100% |
| 132 kV CAA - Malir | 268 | 86 | - | 48% | 76 | 24 | - | 14% | 211 | 68 | - | 38% | 554 | 179 | - | 100% |
| 132 kV Jacob - Garden | 94 | 30 | - | 48% | 26 | 9 | - | 14% | 74 | 24 | - | 38% | 194 | 62 | - | 100% |
| Fire Sprinkler System | - | 826 | - | 28% | - | - | - | - | - | - | - | - | - | 2,975 | - | 100% |
| 220KV ATR Replacement | - | - | - | - | 445 | 37 | - | 33% | 445 | 37 | - | 33% | 1,336 | 112 | - | 100% |
| Jacob Baloch SCADA And Telecom work | - | - | - | - | - | - | - | - | - | - | - | - | - | 140 | - | 100% |
| 7 x 132kV Bays replacement | 156 | 69 | - | 14% | 308 | 136 | - | 29% | 616 | 272 | - | 57% | 1,079 | 477 | - | 100% |
| Grand Total Transmission System Reliability / N-1 Compliance | 2,114 | 1,527 | - | - | 1,747 | 494 | - | - | 2,267 | 699 | - | - | 18,265 | 10,315 | - | - |

Note: RoW Compensation is part of installation charges and included in LCC.



Approved CAPEX for Relocation of Transmission Lines under head of Transmission Safety Projects (Million Rs.)

| Sr | Transmission Line | Material, Civil, Erection & Installation, etc | | | RoW Compensation | Base Cost | Escalation Cost | Cont. and Others | Custom Duty | IDC | Grand Total Allowed |
|---------------------|--|---|------------|--------------|------------------|--------------|-----------------|------------------|-------------|------------|---------------------|
| | | FCC | LCC | Total | | | | | | | |
| | | a | b | c=a+b | d | e=c+d | f | g | h | i | j=e+f+g+h+i |
| 1 | 132kV CAA – Landhi / Landhi – Johar, 5.25 km, OH | 391 | 126 | 517 | included in b | 517 | 30 | 26 | 31 | 89 | 693 |
| 2 | 132kV KDA – Gulshan / KDA-Johar, 4.88 km, OH | 363 | 117 | 480 | included in b | 480 | 28 | 24 | 29 | 82 | 643 |
| 3 | 132kV Baldia – SGT 1 & 2, 2.40 km, UG | 761 | 246 | 1007 | included in b | 1007 | 58 | 50 | 61 | 173 | 1349 |
| Total Safety | | 1,515 | 489 | 2,004 | - | 2,004 | 115 | 100 | 121 | 344 | 2,684 |

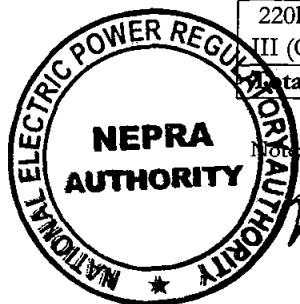
Approved Major Scope of Work and Timelines for Relocation of Transmission Lines under head of Transmission Safety (Million Rs.)

| Sr | Transmission Line | Estimated Conductor Quantity Km | Conductor Type | Start Year (FY) | Completion Year (FY) | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|----------------------------------|--|---------------------------------|---------------------------------|-----------------|----------------------|----------|----------|----------|----------|----------|------------|--------------|--------------|
| 1 | 132kV CAA – Landhi / Landhi – Johar, 5.25 km, OH | 31.5 | STACIR/AW - 230/45 | 2029 | 2030 | 0 | 0 | 0 | 0 | 0 | 178 | 513 | 691 |
| 2 | 132kV KDA – Gulshan / KDA-Johar, 4.88 km, OH | 29.25 | STACIR/AW - 230/45 | 2029 | 2030 | 0 | 0 | 0 | 0 | 0 | 166 | 477 | 643 |
| 3 | 132kV Baldia – SGT 1 & 2, 2.40 km, UG | 14.4 | XLPE cable 1600 mm ² | 2029 | 2030 | 0 | 0 | 0 | 0 | 0 | 348 | 1,001 | 1349 |
| Total Transmission Safety | | - | - | - | - | - | - | - | - | - | 692 | 1,991 | 2,684 |

Approved Year Wise Base Cost (FCC, LCC, Land Cost) Bifurcation & Progress of Work for Transmission Safety Projects (Million Rs)

| Transmission Line | FY 2028 | | | | FY 2029 | | | | FY 2030 | | | | Total | | | |
|---|----------|----------|----------|----------|------------|------------|----------|------------|--------------|------------|----------|------------|--------------|------------|----------|-------------|
| | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % |
| 220KV D/C SURJANI-ZIAUDDIN (UG) | - | - | - | - | 101 | 32 | - | 26% | 290 | 93 | - | 74% | 391 | 126 | - | 100% |
| 132KV D/C LILLO valika - Nazimabad (OH) | - | - | - | - | 94 | 30 | - | 26% | 269 | 87 | - | 74% | 363 | 117 | - | 100% |
| 220kV D/C LANDHI- BQPS-II (OH) | - | - | - | - | 196 | 63 | - | 26% | 565 | 182 | - | 74% | 761 | 246 | - | 100% |
| Total Transmission Safety | - | - | - | - | 391 | 126 | - | 26% | 1,124 | 363 | - | 74% | 1,515 | 489 | - | 100% |

Note: RoW Compensation is part of installation charges and included in LCC.



Approved CAPEX for 500 kV NKI Augmentation Work – Grid Station & T/Line (Million Rs.)

| Sr | Grid /Transmission Line | Material, Civil, Erection & Installation, etc | | | RoW Compensation | Base Cost | Escalation Cost | Cont. and Others | Custom Duty | IDC | Grand Total Allowed |
|----|-------------------------------------|---|--------------|--------------|------------------|--------------|-----------------|------------------|-------------|--------------|---------------------|
| | | FCC | LCC | Total | | | | | | | |
| | | A | B | c=a+b | | | | | | | |
| 1 | 600 MVA 3 rd Transformer | 2,766 | 861 | 3,627 | 0 | 3,627 | 207 | 181 | 221 | 847 | 5,084 |
| 2 | 220 kV NKI – Baldia/Surjani T/Line | 712 | 230 | 942 | included in b | 942 | 54 | 47 | 57 | 220 | 1,320 |
| | Total | 3,478 | 1,091 | 4,569 | - | 4,569 | 261 | 228 | 278 | 1,067 | 6,404 |

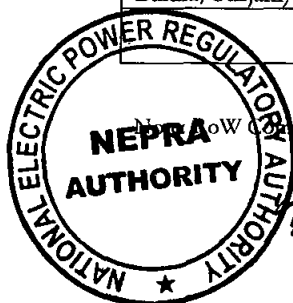
Approved Major Scope of Work and Year Wise Cost Bifurcation for 500 kV NKI Augmentation Work – Grid Station & T/Line (Million Rs.)

| Name of Grid Station | Scope | Start Year (FY) | Completion Year (FY) | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | TOTAL |
|---|---|-----------------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 3 rd Auto Transformer Addition at 500 kV NKI | 1x600MVA ATR, 1X500KV Bay, 3X220KV Bays | 2025 | 2026 | 0 | 2,034 | 3,050 | 0 | 0 | 0 | 0 | 5,084 |

| Transmission Line | Estimated Conductor Quantity Km | Conductor Type | Start Year (FY) | Completion Year (FY) | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|--|---------------------------------|--------------------|-----------------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 220KV D/C LILO (NKI to Baldia/Surjani) (OH), 5km | 60 | Twin bundle STACIR | 2025 | 2026 | 0 | 528 | 792 | 0 | 0 | 0 | 0 | 1,320 |

Approved Year Wise Base Cost (FCC , LCC, Land Cost) Bifurcation and progress of work for 500 kV NKI Augmentation Work Grid Station & T/Line (Million Rs.)

| Transmission Line | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | Total | | | |
|---|---------|-----|-----|--------|--------------|------------|----------|------------|--------------|------------|----------|------------|--------------|--------------|----------|-------------|
| | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % |
| 3 rd Auto Transformer Addition at 500 kV NKI | - | - | - | - | 1,106 | 345 | - | 40% | 1,660 | 517 | - | 60% | 2,766 | 861 | - | 100% |
| 220KV D/C LILO (NKI to Baldia/Surjani) (OH), 5km | - | - | - | - | 285 | 92 | - | 40% | 427 | 138 | - | 60% | 712 | 230 | - | 100% |
| Total | | | | | 1,391 | 436 | - | 40% | 2,087 | 655 | - | 60% | 3,478 | 1,091 | - | 100% |



RoW Compensation is part of installation charges and included in LCC.

Approved CAPEX for Transmission Loss Reduction (Million Rs.)

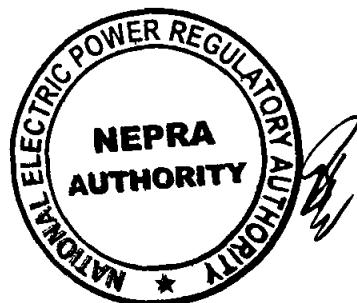
| Sr | Grid /Transmission Line | Material, Civil, Erection & Installation, etc | | | RoW Compensation | Base Cost | Escalation Cost | Cont. and Others | Custom Duty | IDC | Grand Total Allowed |
|-------|------------------------------------|---|-------|-------|------------------|-----------|-----------------|------------------|-------------|-----|---------------------|
| | | FCC | LCC | Total | | | | | | | |
| | | A | b | c=a+b | | | | | | | |
| 1 | 105 Capacitor feeder panel (1250A) | 853 | 775 | 1628 | 0 | 1628 | 91 | 74 | 68 | 0 | 1861 |
| 2 | 113 Capacitor bank | 351 | 255 | 606 | 0 | 606 | 33 | 28 | 28 | 0 | 695 |
| Total | | 1,204 | 1,030 | 2,234 | - | 2,234 | 124 | 103 | 96 | - | 2,556 |

Approved Major Scope of Work and Year Wise Cost Bifurcation for Transmission Loss Reduction (Million Rs.)

| Name of Equipment | Scope | Voltage (KV) | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|-------------------|-------------------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|
| MV Panels | 105 capacitor feeder panel (1250 A) | 11kV | 231 | 378 | 402 | 271 | 331 | 99 | 149 | 1,861 |
| Capacitor Banks | 113 shunt capacitor banks of 4 MVAR | 11kV | 86 | 141 | 150 | 101 | 124 | 37 | 56 | 695 |
| Total | | - | 318 | 519 | 552 | 372 | 455 | 136 | 204 | 2,556 |

Approved Year Wise Base Cost (FCC , LCC, Land Cost) Bifurcation and progress of work for 500 kV NKI Augmentation Work Grid Station & T/Line (Million Rs.)

| Transmission Line | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | FY 2027 | | | |
|-------------------|---------|-----|------|--------|---------|-----|------|--------|---------|-----|------|--------|---------|-------|------|--------|
| | FCC | LCC | Land | Work % | FCC | LCC | Land | Work % | FCC | LCC | Land | Work % | FCC | LCC | Land | Work % |
| MV Panel | 114 | 104 | - | 13% | 171 | 156 | - | 20% | 182 | 165 | - | 21% | 123 | 112 | - | 14% |
| Capacitor bank | 47 | 34 | - | 13% | 70 | 51 | - | 20% | 75 | 54 | - | 21% | 51 | 37 | - | 14% |
| Total | 161 | 138 | - | 13% | 242 | 207 | - | 20% | 257 | 220 | - | 21% | 173 | 148 | - | 14% |
| Transmission Line | FY 2028 | | | | FY 2029 | | | | FY 2030 | | | | Total | | | |
| | FCC | LCC | Land | Work % | FCC | LCC | Land | Work % | FCC | LCC | Land | Work % | FCC | LCC | Land | Work % |
| MV Panel | 150 | 137 | - | 18% | 45 | 41 | - | 5% | 67 | 61 | - | 8% | 853 | 775 | - | 100% |
| Capacitor bank | 62 | 45 | - | 18% | 19 | 13 | - | 5% | 28 | 20 | - | 8% | 351 | 255 | - | 100% |
| Total | 212 | 181 | - | 18% | 63 | 54 | - | 5% | 95 | 81 | - | 8% | 1,204 | 1,030 | - | 100% |



Approved CAPEX for NTDC - KE Interconnection Works (Million Rs.)

| Sr | Grid /Transmission Line | Material, Civil, Erection & Installation, etc | | | RoW Compensation | Base Cost | Escalation Cost | Cont. and Others | Custom Dury | IDC | Grand Total Allowed |
|-------|--|---|-----|-------|------------------|-----------|-----------------|------------------|-------------|-----|---------------------|
| | | FCC | LCC | Total | | | | | | | |
| | | A | b | c=a+b | | | | | | | |
| 1 | 500 kV KKI Interconnection with National Grid (NTDC) | 900 | 377 | 1,277 | included in b | 1,277 | 0 | 26 | 72 | 308 | 1,683 |
| 2 | 220 kV KKI Interconnection with National Grid (NTDC) | 844 | 390 | 1,234 | included in b | 1,234 | 0 | 24 | 68 | 318 | 1,643 |
| Total | | 1,744 | 767 | 2,511 | included in b | 2,511 | 0 | 50 | 140 | 626 | 3,326 |

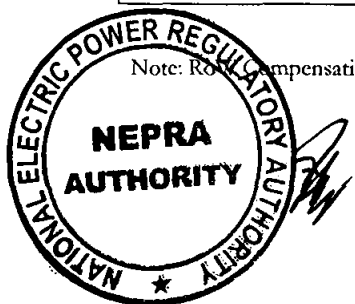
Approved Major Scope of Work and Year Wise Cost Bifurcation for NTDC – KE Interconnection Lines (Million Rs.)

| Transmission Line | Estimated Conductor Quantity Km | Conductor Type | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|---|---------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 500KV S/C LILO at KKI b/w K-2/3 to PQEPCL (OH), 4.50 km | 111 | AAAC "Greeley" Conductor - Quad bundle | 1,683 | 0 | 0 | 0 | 0 | 0 | 0 | 1,683 |
| 220KV S/C LILO at Dhabeji b/w DSEZ to JHAMPIR-1 (UG), 0.4 km | 4.8 | XLPE cable 1600 mm ² - Twin Cable | 1,247 | 0 | 0 | 0 | 0 | 0 | 0 | 1,247 |
| 220KV S/C LILO at Dhabeji b/w DSEZ to JHAMPIR-1 (OH), 2.64 km | 33 | AAAC "Greeley" Conductor - Twin Bundle | 396 | 0 | 0 | 0 | 0 | 0 | 0 | 396 |

Approved Year Wise Base Cost (FCC, LCC, Land Cost) Bifurcation and progress of work for NTDC – KE Interconnection Lines (Million Rs.)

| Transmission Line | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | Total | | | |
|---|---------|-----|-----|--------|---------|-----|-----|--------|---------|-----|-----|--------|-------|-----|-----|--------|
| | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % |
| 500KV S/C LILO at KKI b/w K-2/3 to PQEPCL (OH), 4.50 km | 900 | 377 | - | 100 | - | - | - | - | - | - | - | - | 900 | 377 | - | 100 |
| 220KV S/C LILO at Dhabeji b/w DSEZ to JHAMPIR-1 (OH), 2.64 km | 99 | 212 | - | 100 | - | - | - | - | - | - | - | - | 99 | 212 | - | 100 |
| 220KV S/C LILO at Dhabeji b/w DSEZ to JHAMPIR-1 (UG), 0.4 km | 745 | 178 | - | 100 | - | - | - | - | - | - | - | - | 745 | 178 | - | 100 |
| Total | 1,744 | 767 | - | 100 | - | - | - | - | - | - | - | - | 1,744 | 767 | - | 100 |

Note: RoW Compensation is part of installation charges and included in LCC



Approved CAPEX for interconnection of 350 MW Solar IPPs (Million Rs.)

| Sr | Grid /Transmission Line | Material, Civil, Erection & Installation, etc | | | RoW Compensation | Base Cost | Escalation Cost | Cont. and Others | Custom Duty | IDC | Grand Total Allowed |
|----|---|---|-----|-------|------------------|-----------|-----------------|------------------|-------------|-----|---------------------|
| | | FCC | LCC | Total | | | | | | | |
| | | a | b | c=a+b | | | | | | | |
| 1 | 220kV Baldia – Surjani T/Line in/out at 350MW Surjani Solar Plant, 20km | 2,850 | 919 | 3,769 | included in b | 3,769 | 151 | 155 | 228 | 880 | 5,183 |

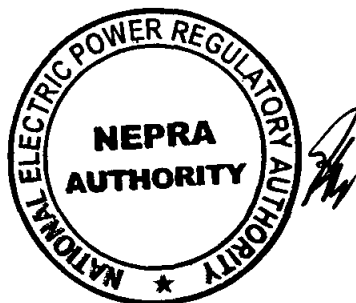
Approved Major Scope of Work and Year Wise Cost Bifurcation for Interconnection Lines 350 MW Solar IPPs (GoS) (Million Rs.)

| Transmission Line | Estimated Conductor Quantity Km | Conductor Type | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|---|---------------------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 220kV Baldia – Surjani T/Line in/out at 350MW Surjani Solar Plant, 20km | 240 | Twin bundle STACIR | 1,486 | 3,697 | - | - | - | - | - | 5,183 |

Approved Year Wise Base Cost (FCC , LCC, Land Cost) Bifurcation and progress of work for Interconnection Lines 350 MW Solar IPPs (GoS) (Million Rs.)

| Transmission Line | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | Total | | | |
|---|---------|-----|-----|--------|---------|-----|-----|--------|---------|-----|-----|--------|-------|-----|-----|--------|
| | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % |
| 220kV Baldia – Surjani T/Line in/out at 350MW Surjani Solar Plant, 20km | 855 | 276 | - | 30% | 1,995 | 643 | - | 70% | - | - | - | - | 2,850 | 919 | - | 100% |

Note: RoW Compensation is part of installation charges and included in LCC



500 kV KKI Grid Station (Mid Term Project FY 2017-2023) (Million Rs.)

| Sr | Grid /Transmission Line | Material, Civil, Erection & Installation, etc | | | Land/RoW Compensation | Base Cost | Escalation Cost | Cont. and Others | Custom Duty | IDC | Grand Total Allowed |
|----|-------------------------|---|-------|--------|-----------------------|-----------|-----------------|------------------|-------------|-----|---------------------|
| | | FCC | LCC | Total | | | | | | | |
| | | A | B | c=a+b | | | | | | | |
| 1 | Grid Station | 7,093 | 3,369 | 10,462 | 246 | 10,708 | 0 | 559 | 1,064 | 828 | 13,159 |
| 2 | Transmission Line | 2,605 | 817 | 3,422 | Included in b | 3,422 | 0 | 148 | 391 | 497 | 4,458 |

Approved Major Scope of Work and Year Wise Cost Bifurcation for 500 kV KKI grid station carry over cost (Mid Term Project FY 2017-2023) (Million Rs.)

| Grid Station | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|--|--------|-------|-------|-------|-------|-------|-------|--------|
| 3x600 MVA Power T/Fs, 6x500 kV Bays, 8x220 kV Bays | 13,159 | - | - | - | - | - | - | 13,159 |

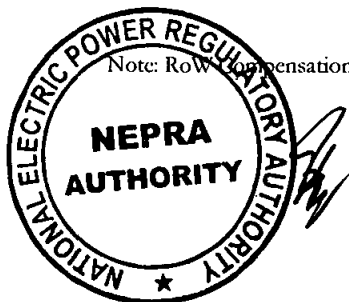
| Transmission Line | Conductor Quantity km | Conductor Type | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|---|-----------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 2x220 kV D/C transmission lines, 16 km i. 220 kV D/C KKI – Baldia T/Line ii. 220 kV D/C KKI – Mauripur T/Line | 196 | Twinbundle STACIR / 2500mm ² XLPE cable | 4,458 | - | - | - | - | - | - | 4,458 |

Approved Year Wise Base Cost (FCC , LCC, Land Cost) Bifurcation and progress of work for 500 kV KKI (Mid Term Project FY 2017-2023)

| Description | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | Total | | | |
|--------------|---------|-------|------|--------|---------|-----|-----|--------|---------|-----|-----|--------|-------|-------|-----|--------|
| | FCC | LCC | Land | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % |
| Grid Station | 7,093 | 3,369 | 246 | 100% | - | - | - | - | - | - | - | - | 7,093 | 3,369 | 246 | 100% |

| Description | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | Total | | | |
|-------------------|---------|-----|-----|--------|---------|-----|-----|--------|---------|-----|-----|--------|-------|-----|-----|--------|
| | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % |
| Transmission Line | 2,605 | 817 | - | 100% | - | - | - | - | - | - | - | - | 2,605 | 817 | - | 100% |

Note: RoW Compensation is part of installation charges and included in LCC



Approved CAPEX for Interconnection of 600 MW WPP-Solar Power Plants (Million Rs.)

| Sr | Grid /Transmission Line | Material, Civil, Erection & Installation, etc | | | Land/RoW Compensation | Base Cost | Escalation Cost | Cont. and Others | Custom Duty | IDC | Grand Total Allowed |
|----|--|---|-------|-------|-----------------------|-----------|-----------------|------------------|-------------|-------|---------------------|
| | | FCC | LCC | Total | | | | | | | |
| | | A | B | c=a+b | | | | | | | |
| 1 | 220 kV Step up grid at Gharo | 3,369 | 1,010 | 4,379 | 469 | 4,848 | 249 | 219 | 270 | 1576 | 7,161 |
| 2 | 220kV DC Transmission Line New Solar Plant to Dhabeji, | 2,850 | 919 | 3,769 | included in b | 3,769 | 217 | 188 | 228 | 1,262 | 5,663 |

Approved Major Scope of Work and Year Wise Cost Bifurcation for Interconnection of 600 MW WPP-Solar Power Plants (Million Rs.)

| Grid Station | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 220kV Gharo Grid ; 3X ATR 250MVA, 6x220KV Bay, 3x 132KV Bays | - | 528 | 2,635 | 3,998 | - | - | - | 7,161 |

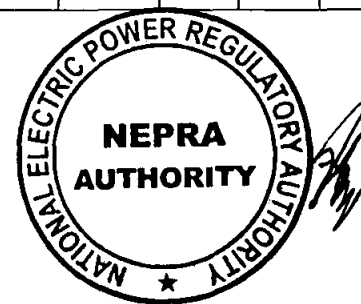
| Transmission Line | Conductor Quantity km | Conductor Type | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|--|-----------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 220kV D/C Transmission Line New Solar Plant to Dhabeji (OH), 20 km | 240 | Twin bundle STACIR | 0 | 0 | 2,265 | 3,398 | 0 | 0 | 0 | 5,663 |

Approved Year Wise Base Cost (FCC , LCC, Land Cost) Bifurcation and progress of work for Interconnection of 600 MW WPP-Solar Power Plants

| Description | FY 2025 | | | | FY 2026 | | | | FY 2027 | | | | Total | | | |
|-----------------------------|---------|-----|------|--------|---------|-----|------|--------|---------|-----|------|--------|-------|-------|------|--------|
| | FCC | LCC | Land | Work % | FCC | LCC | Land | Work % | FCC | LCC | Land | Work % | FCC | LCC | Land | Work % |
| 220kV Step Up Grid at Gharo | - | - | 469 | 0% | 1,347 | 404 | - | 40% | 2,021 | 606 | - | 60% | 3,369 | 1,010 | 469 | 100% |

| Description | FY 2025 | | | | FY 2026 | | | | FY 2027 | | | | Total | | | |
|---|---------|-----|-----|--------|---------|-----|-----|--------|---------|-----|-----|--------|-------|-----|-----|--------|
| | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % | FCC | LCC | RoW | Work % |
| 220kV DC Transmission Line New Solar Plant to Dhabeji | - | - | - | - | 1,140 | 368 | - | 40% | 1,710 | 551 | - | 60% | 2,850 | 919 | - | 100% |

Note: RoW Compensation is part of installation charges and included in LCC



Approved CAPEX for Current Limiting Reactor (Million Rs.)

| Sr | Grid /Transmission Line | Material, Civil, Erection & Installation, etc | | | Land/RoW Compensation | Base Cost | Escalation Cost | Cont. and Others | Custom Duty | IDC | Grand Total Allowed |
|----|-----------------------------------|---|-----|-------|-----------------------|-----------|-----------------|------------------|-------------|-----|---------------------|
| | | FCC | LCC | Total | | | | | | | |
| | | A | B | c=a+b | | | | | | | |
| 1 | Current Limiting Reactor (10 Ohm) | 626 | 231 | 857 | - | 857 | 49 | 43 | 50 | 147 | 1,148 |

Approved Major Scope of Work and Year Wise Cost Bifurcation for Current Limiting Reactor (Million Rs.)

| Grid Station | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 x CLR at 220kV Busbar of New Port Qasim Grid Station, 2x220kv Bays (10 ohm) | 0 | 1,148 | 0 | 0 | 0 | 0 | 0 | 1,148 |



Claimed cost for HT growth projects

| Project | | | | | | | | PKR Mn |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| Network expansion projects to cater for New connections (Above 80 KW) | 411 | 326 | 345 | 362 | 379 | 394 | 402 | 2,619 |
| Grid to Grid feeder balancing | 214 | 377 | 109 | 945 | | | 582 | 2,227 |
| PT to PT feeder balancing | 190 | 191 | 102 | 102 | 103 | 57 | 57 | 802 |
| New MV Feeder laying | 1,135 | 1,219 | 2,550 | 3,292 | 4,373 | 5,244 | 3,438 | 21,251 |
| New MV Link for balancing | 214 | 215 | 218 | 220 | 223 | 226 | 228 | 1,544 |
| SIP Overloading | | 871 | 881 | 891 | 900 | 910 | 921 | 5,374 |
| Growth HT Total | 2,164 | 3,199 | 4,205 | 5,812 | 5,978 | 6,831 | 5,628 | 33,817 |

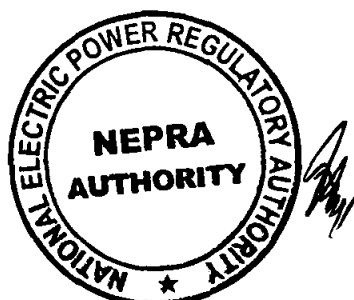
Claimed cost for LT growth projects

| Project | | | | | | | | PKR Mn |
|---|------------|------------|------------|------------|------------|------------|------------|--------------|
| | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | Total |
| Network expansion projects to cater for New connections (Above 80 KW) | 115 | 90 | 95 | 99 | 103 | 107 | 109 | 718 |
| Metering Project (NC Below 80 KW) | 147 | 120 | 121 | 124 | 121 | 123 | 125 | 881 |
| SIP Overloading | | 278 | 279 | 281 | 282 | 284 | 286 | 1,690 |
| Growth LT Total | 262 | 488 | 495 | 504 | 506 | 514 | 520 | 3,289 |

Component wise claimed cost breakup for distribution growth projects (Million Rs.)

| Sr | Head | Materials | | | Services | RoW | Cost including Material Services and RoW | Escalation | | IDC | Total |
|----|--------|-----------|-------|----------|----------|-------|--|------------|-------|-------|--------|
| | | FCC | LCC | material | LCC | LCC | | FCC | LCC | | |
| 1 | Growth | 15,520 | 1,716 | 17,236 | 6,764 | 4,621 | 28,621 | 5,115 | 1,407 | 1,962 | 37,105 |

2



Claimed non-escalated cost for distribution growth projects (Million Rs.)

| Project | UoM | FY 24 – FY 30 | | | | | | | |
|---------------------------|---------|---------------|-----------|---------|-----------|----------|---------|---------|----------|
| | | Qty | Materials | | | Services | RoW | IDC | Total |
| | | | FCC | LCC | Sub Total | LCC | LCC | LCC | |
| New Connection Above 80 | - | - | 0.0 | 0.0 | 0.0 | 2,975.9 | 0.0 | 0.0 | 2,975.9 |
| New Connection Below 80 | - | - | 0.0 | 0.0 | 0.0 | 784.3 | 0.0 | 0.0 | 784.3 |
| Grid Balancing | Feeders | 40 | 1,007.0 | 12.2 | 1,019.2 | 226.3 | 396.0 | 186.1 | 1,827.5 |
| Grid Balancing | Feeders | 174 | 404.1 | 5.9 | 410.0 | 88.9 | 155.6 | 0.0 | 654.5 |
| New Feeders | Feeders | 268 | 8,796.6 | 1,047.9 | 9,844.5 | 2,159.5 | 3,779.2 | 1,776.2 | 17,559.4 |
| New Links | Feeders | 70 | 763.3 | 4.3 | 767.6 | 207.5 | 290.5 | 0.0 | 1,265.7 |
| SIP Overloading | PMTs | 1,962 | 4,549.3 | 645.4 | 5,194.8 | 321.1 | 0.0 | 0.0 | 5,515.9 |
| Grand Total | | | 15,520.4 | 1,715.8 | 17,236.1 | 6,763.5 | 4,621.2 | 1,962.3 | 30,583.2 |

Claimed escalated cost for distribution growth projects (Million Rs.)

| Project | UoM | FY 24 – FY 30 | | | | | | | |
|---------------------------|---------|---------------|-----------|-------|-----------|----------|-------|-------|--------|
| | | Qty | Materials | | | Services | RoW | IDC | Total |
| | | | FCC | LCC | Sub Total | LCC | LCC | LCC | |
| New Connection Above 80 | - | - | 0 | 0 | 0 | 3,337 | 0 | 0 | 3,337 |
| New Connection Below 80 | - | - | 0 | 0 | 0 | 880 | 0 | 0 | 880 |
| Grid Balancing | Feeders | 40 | 1,330 | 12 | 1,343 | 254 | 444 | 186 | 2,227 |
| Grid Balancing | Feeders | 174 | 522 | 6 | 528 | 100 | 174 | 0 | 802 |
| New Feeders | Feeders | 268 | 11,752 | 1,062 | 12,814 | 2,422 | 4,238 | 1,776 | 21,251 |
| New Links | Feeders | 70 | 981 | 4 | 985 | 233 | 326 | 0 | 1,544 |
| SIP Overloading | PMTs | 1,962 | 6,051 | 654 | 6,705 | 360 | 0 | 0 | 7,065 |
| Grand Total | | | 20,635 | 1,739 | 22,375 | 7,585 | 5,183 | 1,962 | 37,105 |

2



Approved CAPEX for Distribution Growth Projects (Million Rs.)

| Head | Material, Installation & Services | | | RoW | Base Cost | Escalation Cost | IDC | Grand Total Allowed |
|-------------------------------|-----------------------------------|--------------|---------------|--------------|---------------|-----------------|--------------|---------------------|
| | FCC | LCC | Total | | | | | |
| | a | b | c=a+b | | | | | |
| New Connection Above 80 | 0 | 673 | 673 | - | 673 | - | - | 673 |
| New Connection Below 80 | 0 | 527 | 527 | - | 527 | - | - | 527 |
| Grid to Grid feeder balancing | 1,007 | 238 | 1,245 | 396 | 1,641 | 91 | 186 | 1,919 |
| PT to PT feeder balancing | 404 | 95 | 499 | 156 | 655 | 31 | - | 685 |
| New Feeder laying | 8,797 | 3,207 | 12,004 | 3,779 | 15,783 | 944 | 1,776 | 18,503 |
| New Link for balancing | 763 | 212 | 975 | 291 | 1,266 | 67 | - | 1,333 |
| SIP Overloading | 4,549 | 967 | 5,516 | 0 | 5,516 | 305 | - | 5,821 |
| Total | 15,520 | 5,919 | 21,439 | 4,621 | 26,061 | 1,438 | 1,962 | 29,461 |

Approved Major Scope of Work and Year Wise Cost Bifurcation for Distribution Growth Projects (Million Rs.)

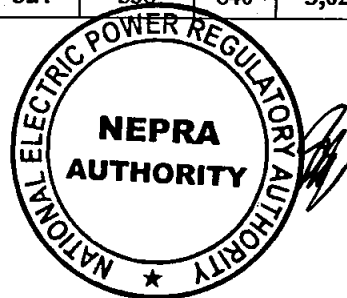
| Head | Category | Unit | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|-------------------------------|-------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| New Connection Above 80 | Scope | - | - | - | - | - | - | - | - | - |
| | Cost | Mln Rs | 526 | 407 | | | | | | 933 |
| New Connection Below 80 | Scope | - | - | - | - | - | - | - | - | - |
| | Cost | Mln Rs | 147 | 120 | | | | | | 267 |
| Grid to Grid feeder balancing | Scope | Feeders | 4 | 7 | 2 | 17 | - | - | 10 | 40 |
| | Cost | Mln Rs | 180 | 333 | 96 | 819 | - | - | 492 | 1,919 |
| PT to PT feeder balancing | Scope | Feeders | 42 | 42 | 22 | 22 | 22 | 12 | 12 | 174 |
| | Cost | Mln Rs | 157 | 167 | 88 | 88 | 88 | 48 | 49 | 685 |
| New Feeder laying | Scope | Feeders | 15 | 16 | 33 | 42 | 55 | 65 | 42 | 268 |
| | Cost | Mln Rs | 963 | 1,089 | 2,260 | 2,894 | 3,813 | 4,535 | 2,950 | 18,503 |
| New Link for balancing | Scope | Feeders | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 70 |
| | Cost | Mln Rs | 179 | 190 | 191 | 192 | 193 | 194 | 195 | 1,333 |
| SIP Overloading | Scope | PMTs | - | 327 | 327 | 327 | 327 | 327 | 327 | 1,962 |
| | Cost | Mln Rs | - | 972 | 972 | 972 | 969 | 968 | 968 | 5,821 |
| Total | Cost | Mln Rs | 2,151 | 3,278 | 3,606 | 4,964 | 5,063 | 5,746 | 4,653 | 29,461 |



Approved Year Wise Base Cost (FCC , LCC, Land Cost) Bifurcation for Distribution Growth Projects (Million Rs.)

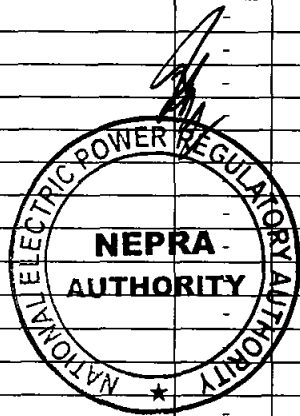
| Head | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | FY 2027 | | | |
|-------------------------------|------------|-----------|------------|------------|--------------|------------|------------|------------|--------------|------------|------------|------------|--------------|------------|------------|------------|
| | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW |
| | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC |
| New Connection Above 80 | - | - | 526 | - | - | - | 407 | - | - | - | - | - | - | - | - | - |
| New Connection Below 80 | - | - | 147 | - | - | - | 120 | - | - | - | - | - | - | - | - | - |
| Grid to Grid feeder balancing | 101 | 1 | 22 | 38 | 176 | 2 | 38 | 67 | 50 | 1 | 11 | 19 | 428 | 5 | 96 | 168 |
| PT to PT feeder balancing | 98 | 1 | 21 | 37 | 98 | 1 | 21 | 37 | 51 | 1 | 11 | 20 | 51 | 1 | 11 | 20 |
| New Feeder laying | 492 | 59 | 115 | 202 | 525 | 63 | 124 | 217 | 1,083 | 129 | 259 | 454 | 1,379 | 164 | 335 | 585 |
| New Link for balancing | 109 | 1 | 29 | 40 | 109 | 1 | 29 | 41 | 109 | 1 | 29 | 41 | 109 | 1 | 30 | 41 |
| SIP Overloading | - | - | - | - | 758 | 108 | 56 | - | 758 | 108 | 55 | - | 758 | 108 | 55 | - |
| Total | 800 | 62 | 860 | 317 | 1,666 | 174 | 795 | 361 | 2,052 | 239 | 366 | 534 | 2,725 | 278 | 526 | 815 |

| Head | FY 2028 | | | | FY 2029 | | | | FY 2030 | | | | Total | | | |
|-------------------------------|--------------|------------|------------|------------|--------------|------------|------------|------------|--------------|------------|------------|------------|---------------|--------------|--------------|--------------|
| | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW |
| | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC |
| New Connection Above 80 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 933 | - |
| New Connection Below 80 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 267 | - |
| Grid to Grid feeder balancing | - | - | - | - | - | - | - | - | 252 | 3 | 59 | 103 | 1,007 | 12 | 226 | 396 |
| PT to PT feeder balancing | 51 | 1 | 11 | 20 | 27.87 | 0.41 | 6.31 | 11.05 | 28 | 0 | 6 | 11 | 404 | 6 | 89 | 156 |
| New Feeder laying | 1,805 | 215 | 444 | 778 | 2,133.50 | 254.17 | 532.83 | 932.45 | 1,379 | 164 | 349 | 611 | 8,797 | 1,048 | 2,160 | 3,779 |
| New Link for balancing | 109 | 1 | 30 | 42 | 109.04 | 0.62 | 30.32 | 42.45 | 109 | 1 | 31 | 43 | 763 | 4 | 208 | 291 |
| SIP Overloading | 758 | 108 | 52 | - | 758.22 | 107.57 | 51.87 | - | 758 | 108 | 51 | - | 4,549 | 645 | 321 | - |
| Total | 2,724 | 324 | 538 | 840 | 3,029 | 363 | 621 | 986 | 2,525 | 276 | 497 | 769 | 15,520 | 1,716 | 4,203 | 4,621 |



Approved grid wise details of new feeders (CDS) construction in next 7 years

| Grid Name | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| AGHA KHAN | - | - | 1 | 1 | - | 1 | 1 | 4 |
| AIRPORT | - | - | - | - | - | - | - | - |
| AIRPORT-II | - | - | - | - | 1 | - | 1 | 2 |
| Azizabad | - | - | - | 2 | 1 | 2 | 1 | 6 |
| BALDIA | - | - | - | 1 | 1 | 2 | 1 | 5 |
| BALOCH COLONY | - | - | - | 1 | 1 | 2 | 1 | 5 |
| BELA | - | - | - | - | 1 | - | - | 1 |
| BOC | 1 | 1 | 1 | - | 1 | 1 | 1 | 6 |
| CIVIC CENTRE | - | - | - | - | - | - | 1 | 1 |
| CIVIL AVIATION AUTH | - | - | - | - | 1 | - | - | 1 |
| Clifton | - | - | - | - | 1 | 1 | 1 | 3 |
| CREEK CITY VISTA | - | - | - | - | - | - | - | - |
| Defence | - | - | - | - | - | - | - | - |
| DHA | - | - | - | - | - | - | - | - |
| DHABEJI | - | - | - | - | 1 | 1 | 1 | 3 |
| ELANDER ROAD | - | - | - | - | - | - | - | - |
| FEDERAL-A | - | - | 1 | - | 1 | 1 | - | 3 |
| Federal-B | - | - | - | 2 | 1 | 3 | 2 | 8 |
| GADAP | - | - | 1 | - | - | - | - | 1 |
| GARDEN | - | - | - | - | - | - | - | - |
| GHARO | - | - | - | 1 | - | - | - | 1 |
| Gizri | - | - | - | - | - | 1 | - | 1 |
| GOLIMAR | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 10 |
| Gulshan | - | - | - | - | - | 1 | 1 | 2 |
| Haroonabad | - | 1 | 2 | 2 | 3 | 2 | 2 | 12 |
| HUB | - | - | - | 1 | 1 | 1 | - | 3 |
| JACCOB LINE | - | - | - | - | - | - | - | - |
| Jail | - | - | - | - | 1 | 2 | 1 | 4 |
| JOHAR | - | - | - | - | - | - | - | - |
| KDA-33 | - | - | - | - | - | - | - | - |
| KEPZ | - | - | 1 | 1 | 1 | 1 | 1 | 5 |
| KESC HOSPITAL | - | - | - | - | - | - | 2 | 2 |
| KORANGI EAST | - | - | - | 1 | 1 | 1 | - | 3 |
| KORANGI SOUTH | - | - | 1 | 1 | 1 | 1 | 1 | 5 |
| KORANGI TOWN | - | 2 | 2 | 2 | 4 | 4 | 3 | 17 |
| KORANGI WEST | - | - | - | - | 1 | - | - | 1 |
| LABOUR SQUARE | - | - | - | - | - | 1 | 1 | 2 |
| LANDHI | - | - | 1 | 1 | 1 | 1 | 1 | 5 |
| LIAQUTABAD | - | - | - | - | 1 | 1 | - | 2 |
| LYARI | - | - | - | - | - | 1 | - | 1 |
| MALIR | - | - | - | - | - | - | - | - |
| MAURIPUR | - | - | - | - | - | 1 | 1 | 2 |
| MAYMAR | - | - | 3 | 2 | 2 | 2 | 2 | 11 |
| Mehmoodabad | - | - | - | - | - | 1 | - | 1 |
| MEMON GOTH | - | - | - | - | - | - | - | - |
| North Karachi | - | - | 1 | 2 | 1 | 2 | 1 | 7 |
| North Nazimabad | - | - | 1 | 2 | 2 | 2 | 1 | 8 |
| OLD TOWN | - | - | - | - | - | 1 | - | 1 |
| ORANGI | - | - | 2 | 2 | 2 | 2 | - | 8 |
| PIPRI EAST/WEST | 1 | 1 | - | 1 | 2 | 1 | 1 | 7 |
| PORT QASIM | 4 | 2 | 2 | 3 | 3 | 3 | 2 | 19 |
| PRL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |



2

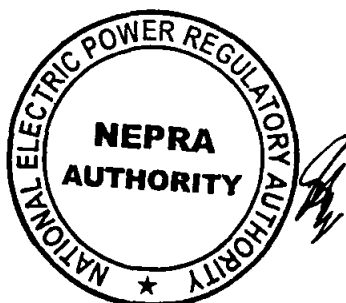
Annex - R

| Grid Name | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| QAYUMABAD | - | - | 2 | 2 | 4 | 3 | 2 | 13 |
| Queens Road | - | - | - | - | - | - | - | - |
| RECP | 1 | 1 | - | 1 | 1 | 1 | 1 | 6 |
| S.I.T.E | 4 | 2 | 4 | 3 | 4 | 5 | 2 | 24 |
| Shadman | - | - | - | - | - | - | 1 | 1 |
| Surjani | - | 2 | 2 | 3 | 3 | 3 | 1 | 14 |
| UTHAL | - | - | - | - | - | - | - | - |
| VALIKA | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 12 |
| VINDER | - | - | 1 | - | - | 1 | - | 2 |
| WEST WHARF | - | - | - | - | - | - | - | - |
| Grand Total | 15 | 16 | 33 | 42 | 55 | 65 | 42 | 268 |

Tentative addition in distribution network in next seven (7) years

| Description | FY24 | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 |
|---------------------------------|--------|--------|--------|--------|--------|--------|--------|
| 11 KV Feeders – No. | 2,120 | 2,156 | 2,212 | 2,279 | 2,362 | 2,456 | 2,528 |
| Distribution Transformers – No. | 31,579 | 32,577 | 33,628 | 34,725 | 35,912 | 37,147 | 38,412 |
| Distribution Capacity – MVA | 9,159 | 9,499 | 9,855 | 10,231 | 10,629 | 11,046 | 11,470 |

2



Approved CAPEX for Energy Loss Reduction Program (Million Rs.)

| Head | Material, Installation & Services | | | RoW | Base Cost | Escalation Cost | IDC | Grand Total Allowed |
|---|-----------------------------------|--------------|---------------|------------|---------------|-----------------|--------------|---------------------|
| | FCC | LCC | Total | | | | | |
| | a | b | c=a+b | | | | | |
| Faulty Meter Replacement (Net Metering) | 75 | 16 | 92 | - | 92 | 5 | - | 96 |
| Faulty Meter Replacement (1 Phase) | 5,963 | 1,309 | 7,272 | - | 7,272 | 359 | - | 7,632 |
| Faulty Meter Replacement (3 Phase) | 3,148 | 654 | 3,802 | - | 3,802 | 187 | - | 3,989 |
| LT ABC Full Scope | 6,632 | 1,858 | 8,491 | - | 8,491 | 361 | 952 | 9,803 |
| LT ABC Rehabilitation | 4,193 | 1,130 | 5,323 | - | 5,323 | 266 | 411 | 6,000 |
| Loop Splitting | 1,746 | 395 | 2,141 | 725 | 2,866 | 152 | - | 3,018 |
| Power Factor Improvement Plants | 24 | 102 | 126 | - | 126 | 9 | - | 136 |
| Network Rehabilitations | 9,105 | 2,860 | 11,966 | - | 11,966 | 684 | - | 12,650 |
| Total | 30,886 | 8,326 | 39,212 | 725 | 39,937 | 2,023 | 1,363 | 43,323 |

Approved Major Scope of Work and Year Wise Cost Bifurcation for Distribution Growth Projects

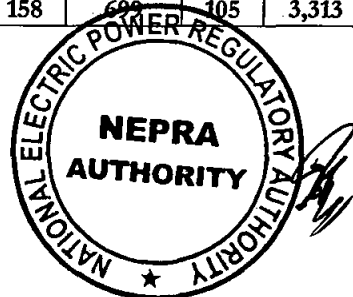
| Head | Category | Unit | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|---|-------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Faulty Meter Replacement (Net Metering) | Cost | Mil. Rs | 10 | 11 | 12 | 14 | 15 | 16 | 18 | 96 |
| | Scope | Meters | 180 | 198 | 218 | 240 | 264 | 290 | 319 | 1,708 |
| Faulty Meter Replacement (1 Phase) | Cost | Mil. Rs | 779 | 890 | 978 | 1,076 | 1,181 | 1,299 | 1,429 | 7,632 |
| | Scope | Meters | 143,301 | 157,631 | 173,394 | 190,734 | 209,807 | 230,788 | 253,867 | 1,359,522 |
| Faulty Meter Replacement (3 Phase) | Cost | Mil. Rs | 407 | 465 | 511 | 563 | 617 | 679 | 747 | 3,989 |
| | Scope | Meters | 27,518 | 30,270 | 33,297 | 36,627 | 40,290 | 44,318 | 48,750 | 261,071 |
| LT ABC New | Cost | Mil. Rs | 2,353 | 2,473 | 2,487 | 2,490 | - | - | - | 9,803 |
| | Scope | PMTS | 443 | 442 | 443 | 442 | - | - | - | 1,770 |
| LT ABC Rehabilitation | Cost | Mil. Rs | 3,000 | 3,000 | - | - | - | - | - | 6,000 |
| | Scope | PMTS | 758 | 758 | - | - | - | - | - | 1,516 |
| Loop Splitting | Cost | Mil. Rs | 405 | 432 | 433 | 435 | 436 | 438 | 439 | 3,018 |
| | Scope | Scheme | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 420 |
| Power Factor Improvement Plants | Cost | Mil. Rs | - | 36 | 36 | 36 | 29 | - | - | 136 |
| | Scope | No. | - | 25 | 25 | 25 | 20 | - | - | 95 |
| Network Rehabilitations | Cost | Mil. Rs | - | 2,121 | 2,123 | 2,125 | 2,121 | 2,090 | 2,070 | 12,650 |
| | Scope | Feeders | - | 190 | 190 | 190 | 190 | 187 | 185 | 1,132 |
| Total | Cost | Mil. Rs | 6,954 | 9,428 | 6,580 | 6,739 | 4,399 | 4,522 | 4,703 | 43,323 |



Approved Year Wise Base Cost (FCC , LCC, RoW) Bifurcation for Distribution Growth Projects

| Head | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | FY 2027 | | | |
|---|--------------|-----------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|
| | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW |
| | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC |
| Faulty Meter Replacement (Net Metering) | 8 | 0 | 2 | - | 9 | 0 | 2 | - | 10 | 0 | 2 | - | 11 | 0 | 2 | - |
| Faulty Meter Replacement (1 Phase) | 628 | 11 | 139 | - | 691 | 13 | 139 | - | 760 | 14 | 153 | - | 837 | 15 | 168 | - |
| Faulty Meter Replacement (3 Phase) | 332 | 3 | 73 | - | 365 | 3 | 73 | - | 401 | 3 | 80 | - | 442 | 3 | 88 | - |
| LT ABC Full Scope | 1,660 | 20 | 438 | - | 1,656 | 20 | 441 | - | 1,660 | 20 | 447 | - | 1,656 | 20 | 452 | - |
| LT ABC Rehabilitation | 2,097 | 32 | 533 | - | 2,096 | 32 | 533 | - | | | | | | | | |
| Loop Splitting | 249 | 27 | 29 | 100 | 249 | 27 | 29 | 101 | 249 | 27 | 29 | 102 | 249 | 27 | 30 | 104 |
| Power Factor Improvement Plants | - | - | - | - | 6 | 21 | 6 | - | 6 | 21 | 6 | - | 6 | 21 | 6 | - |
| Network Rehabilitations | - | - | - | - | 1,528 | 94 | 384 | - | 1,528 | 94 | 385 | - | 1,528 | 94 | 388 | - |
| Total | 4,975 | 93 | 1,213 | 100 | 6,601 | 209 | 1,607 | 101 | 4,615 | 179 | 1,103 | 102 | 4,729 | 181 | 1,133 | 104 |

| Head | FY 2028 | | | | FY 2029 | | | | FY 2030 | | | | Total | | | |
|---|--------------|------------|------------|------------|--------------|------------|------------|------------|--------------|------------|------------|------------|---------------|--------------|--------------|------------|
| | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW |
| | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC |
| Faulty Meter Replacement (Net Metering) | 12 | 0 | 2 | - | 13 | 0 | 3 | - | 14 | 0 | 3 | - | 75 | 1 | 15 | - |
| Faulty Meter Replacement (1 Phase) | 920 | 17 | 182 | - | 1,012 | 19 | 200 | - | 1,113 | 20 | 220 | - | 5,963 | 109 | 1,200 | - |
| Faulty Meter Replacement (3 Phase) | 486 | 4 | 95 | - | 534 | 4 | 105 | - | 588 | 5 | 115 | - | 3,148 | 25 | 629 | - |
| LT ABC Full Scope | - | - | - | - | - | - | - | - | - | - | - | - | 6,632 | 80 | 1,778 | - |
| LT ABC Rehabilitation | - | - | - | - | - | - | - | - | - | - | - | - | 4,193 | 64 | 1,066 | - |
| Loop Splitting | 249 | 27 | 30 | 105 | 249 | 27 | 30 | 106 | 249 | 27 | 31 | 107 | 1,746 | 188 | 207 | 725 |
| Power Factor Improvement Plants | 5 | 17 | 5 | - | - | - | - | - | - | - | - | - | 24 | 78 | 24 | - |
| Network Rehabilitations | 1,528 | 94 | 384 | - | 1,504 | 93 | 380 | - | 1,488 | 92 | 378 | - | 9,105 | 561 | 2,300 | - |
| Total | 3,200 | 158 | 699 | 105 | 3,313 | 142 | 718 | 106 | 3,453 | 144 | 747 | 107 | 30,886 | 1,106 | 7,219 | 725 |



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Approved list of New ABC Schemes (1,770 Nos)

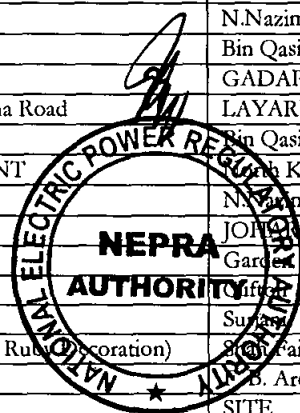
| Sr | Feeder ID | Feeder Name | Area | Losses Before intervention | Losses After intervention | Completion Year FY |
|----|-----------|---------------------------|---------------|----------------------------|---------------------------|--------------------|
| 1 | 1286 | Ghaniabad | GADAP | 89.3% | 15.0% | 2025 |
| 2 | 412 | KWSB 2 | JOHAR-2 | 36.6% | 15.0% | 2025 |
| 3 | 517 | Aftab Floor | Bin Qasim | 55.6% | 15.0% | 2025 |
| 4 | 566 | Old Haji Camp | LAYARI-II | 32.4% | 15.0% | 2025 |
| 5 | 3554 | Shah Latif | Bin Qasim | 88.4% | 15.0% | 2025 |
| 6 | 3158 | Al Wajid Town | Orangi-I | 72.5% | 15.0% | 2025 |
| 7 | 803 | H Nizamuddin + Cap | SITE | 54.3% | 15.0% | 2025 |
| 8 | 403 | Sahafi Colony | GADAP | 74.3% | 15.0% | 2025 |
| 9 | 3737 | Saif Company | SITE | 53.0% | 15.0% | 2025 |
| 10 | 780 | Manzoor Traders | Baldia | 72.2% | 15.0% | 2025 |
| 11 | 408 | Al Azhar Garden | JOHAR-2 | 89.6% | 15.0% | 2024 |
| 12 | 191 | Plastic Crafter | F. B. Area | 85.3% | 15.0% | 2024 |
| 13 | 756 | Haji Camp | Saddar | 74.7% | 15.0% | 2024 |
| 14 | 647 | SM Obaid | North Karachi | 90.8% | 15.0% | 2024 |
| 15 | 1313 | Masjid e Quba | Orangi-I | 70.0% | 15.0% | 2024 |
| 16 | 3122 | Tariq Bin Ziad + CAP B | Malir | 61.6% | 15.0% | 2024 |
| 17 | 525 | Deh Landhi | Bin Qasim | 89.4% | 15.0% | 2024 |
| 18 | 1347 | Frontier Colony | Orangi-I | 82.1% | 15.0% | 2024 |
| 19 | 225 | Roshan Bagh | N.Nazimabad | 75.1% | 15.0% | 2024 |
| 20 | 3971 | Fast RMU | Bin Qasim | 75.4% | 15.0% | 2024 |
| 21 | 3742 | Aleem Paradise | Surjani | 44.6% | 15.0% | 2024 |
| 22 | 96 | Baghdadi Masjid | Bahadurabad | 55.5% | 15.0% | 2024 |
| 23 | 194 | Aziz industries | F. B. Area | 71.0% | 15.0% | 2024 |
| 24 | 403 | Sahafi Colony | GADAP | 65.2% | 15.0% | 2024 |
| 25 | 834 | Eastern Film | SITE | 48.9% | 15.0% | 2024 |
| 26 | 1347 | Frontier Colony | Orangi-I | 82.7% | 15.0% | 2024 |
| 27 | 3426 | Rafi Premier | JOHAR-2 | 61.7% | 15.0% | 2024 |
| 28 | 53 | Mill Rock SS | KIMZ | 68.4% | 15.0% | 2024 |
| 29 | 1363 | Roshanabad | Shah Faisal | 56.8% | 15.0% | 2024 |
| 30 | 3396 | Gulshan e Hadeed 10 | Bin Qasim | 77.9% | 15.0% | 2024 |
| 31 | 399 | Hadiabad | GADAP | 57.0% | 15.0% | 2024 |
| 32 | 398 | Jiwani Heights | JOHAR-2 | 72.8% | 15.0% | 2024 |
| 33 | 221 | M. Iqbal | F. B. Area | 48.7% | 15.0% | 2024 |
| 34 | 1283 | Chambeli RMU | GADAP | 95.2% | 15.0% | 2024 |
| 35 | 2039 | Sufi Hotel RMU | SITE | 38.0% | 15.0% | 2024 |
| 36 | 829 | Ameen Mazda | Baldia | 54.9% | 15.0% | 2024 |
| 37 | 162 | M Taleemul Quran | Bin Qasim | 67.5% | 15.0% | 2024 |
| 38 | 829 | Ameen Mazda | Baldia | 58.4% | 15.0% | 2024 |
| 39 | 3062 | NED Civil | JOHAR-2 | 77.5% | 15.0% | 2024 |
| 40 | 1345 | Raja Poultry Farm | Bin Qasim | 83.2% | 15.0% | 2024 |
| 41 | 3158 | Al Wajid Town | Orangi-I | 77.2% | 15.0% | 2024 |
| 42 | 3395 | Road 2 | Bin Qasim | 93.7% | 15.0% | 2024 |
| 43 | 568 | Fida Hussain Shaikha Road | LAYARI-I | 66.7% | 15.0% | 2024 |
| 44 | 3185 | Lateef Jute | Uthal | 47.7% | 15.0% | 2024 |
| 45 | 2027 | Billing Zone | Orangi-I | 66.1% | 15.0% | 2024 |
| 46 | 1363 | Roshanabad | Shah Faisal | 61.5% | 15.0% | 2024 |
| 47 | 525 | Deh Landhi | Bin Qasim | 89.1% | 15.0% | 2024 |
| 48 | 740 | Relay Brothers | Saddar | 53.8% | 15.0% | 2024 |
| 49 | 3276 | Sadi Town | JOHAR-2 | 59.0% | 15.0% | 2024 |
| 50 | 1333 | Ibrahim Haidri | Korangi | 94.9% | 15.0% | 2024 |
| 51 | 1363 | Roshanabad | Shah Faisal | 48.0% | 15.0% | 2024 |
| 52 | 865 | Al Mumtaz | Orangi-I | 79.9% | 15.0% | 2024 |
| 53 | 3351 | Junaid Trade Center | LAYARI-I | 45.9% | 15.0% | 2024 |
| 54 | 3412 | Madras Society | JOHAR-2 | 57.4% | 15.0% | 2024 |
| 55 | 845 | EFU | JOHAR-1 | 43.3% | 15.0% | 2024 |
| 56 | 1313 | Masjid e Quba | Orangi-I | 61.6% | 15.0% | 2024 |

Annex - S

| | | | | | | |
|-----|------|----------------------------|---------------|-------|-------|------|
| 57 | 803 | H Nizamuddin + Cap | SITE | 99.5% | 15.0% | 2024 |
| 58 | 3158 | Al Wajid Town | Orangi-I | 74.6% | 15.0% | 2024 |
| 59 | 1363 | Roshanabad | Shah Faisal | 60.8% | 15.0% | 2024 |
| 60 | 1345 | Raja Poultry Farm | Bin Qasim | 73.0% | 15.0% | 2024 |
| 61 | 3870 | Pak Land | JOHAR-2 | 67.7% | 15.0% | 2024 |
| 62 | 1318 | Poly Trade | Bin Qasim | 73.1% | 15.0% | 2024 |
| 63 | 1280 | Ahsanabad | GADAP | 66.1% | 15.0% | 2024 |
| 64 | 618 | Good Luck | SITE | 58.2% | 15.0% | 2024 |
| 65 | 1318 | Poly Trade | Bin Qasim | 83.0% | 15.0% | 2024 |
| 66 | 4003 | BORSTAL JAIL | Bin Qasim | 76.4% | 15.0% | 2024 |
| 67 | 3840 | Naseem Textile | North Karachi | 88.3% | 15.0% | 2024 |
| 68 | 1319 | Afzal Motors | Bin Qasim | 82.8% | 15.0% | 2024 |
| 69 | 3470 | Iqbal Plaza | North Karachi | 65.5% | 15.0% | 2024 |
| 70 | 3751 | FAYSAL GARMENT | North Karachi | 78.5% | 15.0% | 2024 |
| 71 | 1319 | Afzal Motors | Bin Qasim | 89.1% | 15.0% | 2024 |
| 72 | 756 | Haji Camp | Saddar | 43.7% | 15.0% | 2024 |
| 73 | 438 | Qabrastan RMU | KIMZ | 43.5% | 15.0% | 2024 |
| 74 | 845 | EFU | JOHAR-1 | 31.7% | 15.0% | 2024 |
| 75 | 1363 | Roshanabad | Shah Faisal | 47.5% | 15.0% | 2024 |
| 76 | 525 | Deh Landhi | Bin Qasim | 95.8% | 15.0% | 2024 |
| 77 | 397 | Bismillah Market | JOHAR-2 | 77.8% | 15.0% | 2024 |
| 78 | 3277 | Block 5 | Shah Faisal | 53.5% | 15.0% | 2024 |
| 79 | 71 | Defence Pumping 2 | Defence | 54.2% | 15.0% | 2024 |
| 80 | 847 | Union Cold Storage | JOHAR-1 | 46.9% | 15.0% | 2024 |
| 81 | 3442 | Rupali RMU | GADAP | 39.1% | 15.0% | 2024 |
| 82 | 3840 | Naseem Textile | North Karachi | 54.5% | 15.0% | 2024 |
| 83 | 50 | Islamic Mission SS | KIMZ | 68.9% | 15.0% | 2024 |
| 84 | 803 | H Nizamuddin + Cap | SITE | 54.6% | 15.0% | 2024 |
| 85 | 3137 | Nauras | SITE | 52.9% | 15.0% | 2024 |
| 86 | 309 | Abdul Ghani | JOHAR-2 | 75.8% | 15.0% | 2024 |
| 87 | 1318 | Poly Trade | Bin Qasim | 63.4% | 15.0% | 2024 |
| 88 | 683 | Lawrence Apartments | LAYARI-II | 42.3% | 15.0% | 2024 |
| 89 | 3277 | Block 5 | Shah Faisal | 43.1% | 15.0% | 2024 |
| 90 | 1118 | Hikmat Institute | Orangi-I | 49.7% | 15.0% | 2024 |
| 91 | 742 | Muslim Garden | LAYARI-I | 53.1% | 15.0% | 2024 |
| 92 | 3737 | Saif Company | SITE | 70.7% | 15.0% | 2024 |
| 93 | 3164 | Gabol Town | North Karachi | 36.5% | 15.0% | 2024 |
| 94 | 795 | Hamdard | Nazimabad | 42.1% | 15.0% | 2024 |
| 95 | 1262 | Mansehra Colony | Bin Qasim | 53.4% | 15.0% | 2024 |
| 96 | 1349 | MS Catts | Baldia | 47.9% | 15.0% | 2024 |
| 97 | 3100 | Al Hira Masjid | North Karachi | 80.7% | 15.0% | 2024 |
| 98 | 3010 | Rampat Road | LAYARI-I | 34.7% | 15.0% | 2024 |
| 99 | 595 | Malir C | Malir | 37.4% | 15.0% | 2024 |
| 100 | 2039 | Sufi Hotel RMU | SITE | 39.9% | 15.0% | 2024 |
| 101 | 3111 | Pili Bheet CHS | JOHAR-2 | 89.2% | 15.0% | 2024 |
| 102 | 1318 | Poly Trade | Bin Qasim | 88.3% | 15.0% | 2024 |
| 103 | 1363 | Roshanabad | Shah Faisal | 45.0% | 15.0% | 2024 |
| 104 | 313 | Rufi Paradise | JOHAR-1 | 46.2% | 15.0% | 2024 |
| 105 | 414 | Kaka Khail | GADAP | 52.0% | 15.0% | 2024 |
| 106 | 1313 | Masjid e Quba | Orangi-I | 59.2% | 15.0% | 2024 |
| 107 | 3458 | Moon net | North Karachi | 51.2% | 15.0% | 2024 |
| 108 | 3277 | Block 5 | Shah Faisal | 58.6% | 15.0% | 2024 |
| 109 | 1363 | Roshanabad | Shah Faisal | 50.1% | 15.0% | 2024 |
| 110 | 668 | Mustafabad Pumping Station | N.Nazimabad | 47.1% | 15.0% | 2024 |
| 111 | 780 | Manzoor Traders | SITE | 55.5% | 15.0% | 2024 |
| 112 | 2039 | Sufi Hotel RMU | SITE | 33.2% | 15.0% | 2024 |
| 113 | 22 | PNT Colony | Defence | 45.3% | 15.0% | 2024 |
| 114 | 829 | Ameen Mazda | Baldia | 44.5% | 15.0% | 2024 |
| 115 | 1363 | Roshanabad | Shah Faisal | 53.4% | 15.0% | 2024 |
| 116 | 3919 | Shumail Complex | JOHAR-2 | 56.2% | 15.0% | 2024 |
| 117 | 220 | Eastern Apartment | F. B. Area | 63.0% | 15.0% | 2024 |

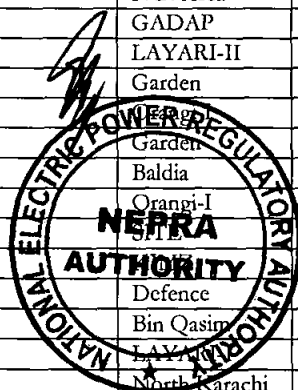
Annex - S

| | | | | | | |
|-----|------|---|---------------|-------|-------|------|
| 118 | 3653 | Zulfiqar Comercial S/S 3 | Defence | 71.2% | 15.0% | 2024 |
| 119 | 1313 | Masjid e Quba | Orangi-I | 57.7% | 15.0% | 2024 |
| 120 | 852 | Okhai Memon | JOHAR-1 | 39.4% | 15.0% | 2024 |
| 121 | 2119 | Baba Wilayat Ali Shah | Shah Faisal | 53.0% | 15.0% | 2024 |
| 122 | 3119 | KDA Employee Society | JOHAR-2 | 83.4% | 15.0% | 2024 |
| 123 | 3043 | KDA TP3 | KIMZ | 78.9% | 15.0% | 2024 |
| 124 | 603 | Paracha Textile | SITE | 36.7% | 15.0% | 2024 |
| 125 | 726 | PSO 2 | Bin Qasim | 94.9% | 15.0% | 2024 |
| 126 | 3556 | Fleet Mess | Defence | 39.7% | 15.0% | 2024 |
| 127 | 525 | Deh Landhi | Bin Qasim | 87.6% | 15.0% | 2024 |
| 128 | 515 | Abbot Lab | Bin Qasim | 43.8% | 15.0% | 2024 |
| 129 | 121 | Lal Masjid | Malir | 65.5% | 15.0% | 2024 |
| 130 | 53 | Mill Rock SS | KIMZ | 46.3% | 15.0% | 2024 |
| 131 | 891 | Sewerage Plant | North Karachi | 59.3% | 15.0% | 2024 |
| 132 | 1318 | Poly Trade | Bin Qasim | 67.8% | 15.0% | 2024 |
| 133 | 114 | Chawala Flats | Garden | 63.5% | 15.0% | 2024 |
| 134 | 121 | Lal Masjid | Malir | 39.1% | 15.0% | 2024 |
| 135 | 3913 | Renovicker | SITE | 69.0% | 15.0% | 2024 |
| 136 | 287 | Saddat Colony | Shah Faisal | 51.7% | 15.0% | 2024 |
| 137 | 525 | Deh Landhi | Bin Qasim | 91.5% | 15.0% | 2024 |
| 138 | 3028 | Balochistan Board | Uthal | 54.3% | 15.0% | 2024 |
| 139 | 807 | Bawani Chali + Cap2 | SITE | 36.5% | 15.0% | 2024 |
| 140 | 2039 | Sufi Hotel RMU | SITE | 37.7% | 15.0% | 2024 |
| 141 | 1345 | Raja Poultry Farm | Bin Qasim | 79.3% | 15.0% | 2024 |
| 142 | 2039 | Sufi Hotel RMU | SITE | 28.5% | 15.0% | 2024 |
| 143 | 3195 | Ittehad Cottage | Baldia | 30.0% | 15.0% | 2024 |
| 144 | 3163 | Madina Godhra | North Karachi | 54.9% | 15.0% | 2024 |
| 145 | 1363 | Roshanabad | Shah Faisal | 47.9% | 15.0% | 2024 |
| 146 | 3497 | Javed Metal | North Karachi | 57.9% | 15.0% | 2024 |
| 147 | 2032 | Seema Lab | SITE | 34.5% | 15.0% | 2024 |
| 148 | 866 | Blue Bird | N.Nazimabad | 55.8% | 15.0% | 2024 |
| 149 | 1318 | Poly Trade | Bin Qasim | 76.9% | 15.0% | 2024 |
| 150 | 3061 | Merit Society | GADAP | 87.2% | 15.0% | 2024 |
| 151 | 568 | Fida Hussain Shaikha Road | LAYARI-I | 56.1% | 15.0% | 2024 |
| 152 | 2129 | Pk Ind Gases 2 | Bin Qasim | 46.9% | 15.0% | 2024 |
| 153 | 3751 | FAYSAL GARMENT | North Karachi | 56.0% | 15.0% | 2024 |
| 154 | 655 | Babul Ilm | N.Nazimabad | 36.7% | 15.0% | 2024 |
| 155 | 349 | Hunaid City | JOHAR-1 | 31.5% | 15.0% | 2024 |
| 156 | 2114 | FIA RMU | Garden | 24.0% | 15.0% | 2025 |
| 157 | 3182 | Mundra Chowk 2 | Zulfiqar | 41.8% | 15.0% | 2024 |
| 158 | 3283 | Gulshan e Shiraz | Surjani | 73.5% | 15.0% | 2024 |
| 159 | 3598 | New Iqbalabad (old Rubia Incorporation) | Shah Faisal | 32.4% | 15.0% | 2024 |
| 160 | 1200 | Tahir Villas | B. Area | 67.8% | 15.0% | 2024 |
| 161 | 766 | LA Industry | SITE | 28.7% | 15.0% | 2024 |
| 162 | 652 | Zaib un Nisa | North Karachi | 59.3% | 15.0% | 2024 |
| 163 | 1311 | Lyari Pumping | LAYARI-II | 30.9% | 15.0% | 2024 |
| 164 | 681 | New Neham Road | JOHAR-1 | 40.3% | 15.0% | 2024 |
| 165 | 3395 | Road 2 | Bin Qasim | 44.1% | 15.0% | 2024 |
| 166 | 659 | Paharganj RMU | N.Nazimabad | 49.6% | 15.0% | 2024 |
| 167 | 866 | Blue Bird | N.Nazimabad | 53.3% | 15.0% | 2024 |
| 168 | 3742 | Aleem Paradise | Surjani | 43.5% | 15.0% | 2024 |
| 169 | 525 | Deh Landhi | Bin Qasim | 80.7% | 15.0% | 2024 |
| 170 | 3030 | Degash | Uthal | 92.4% | 15.0% | 2024 |
| 171 | 3100 | Al Hira Masjid | North Karachi | 64.2% | 15.0% | 2024 |
| 172 | 1318 | Poly Trade | Bin Qasim | 71.8% | 15.0% | 2024 |
| 173 | 879 | Yousuf Goth | Surjani | 47.6% | 15.0% | 2024 |
| 174 | 525 | Deh Landhi | Bin Qasim | 89.5% | 15.0% | 2024 |
| 175 | 779 | Bismillah market (NOORANI HOTEL) | Nazimabad | 35.9% | 15.0% | 2024 |
| 176 | 232 | Zoo SS | Garden | 40.0% | 15.0% | 2024 |
| 177 | 1318 | Poly Trade | Bin Qasim | 95.2% | 15.0% | 2024 |
| 178 | 568 | Fida Hussain Shaikha Road | LAYARI-I | 36.9% | 15.0% | 2024 |



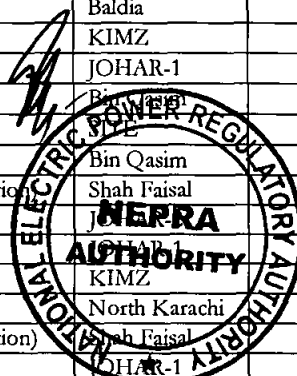
Annex - S

| | | | | | | |
|-----|------|-------------------------------------|---------------|-------|-------|------|
| 179 | 3293 | Haidry Sweet | N.Nazimabad | 29.6% | 15.0% | 2024 |
| 180 | 653 | Karaka Pk | North Karachi | 73.0% | 15.0% | 2024 |
| 181 | 2124 | Azeem Park | Gulshan | 72.8% | 15.0% | 2024 |
| 182 | 235 | Ismailia Platinum | Garden | 55.9% | 15.0% | 2024 |
| 183 | 235 | Ismailia Platinum | Garden | 42.7% | 15.0% | 2024 |
| 184 | 300 | Agah Khan | JOHAR-2 | 42.6% | 15.0% | 2024 |
| 185 | 1262 | Manshra Colony | Bin Qasim | 48.6% | 15.0% | 2024 |
| 186 | 1347 | Frontier Colony | Orangi-I | 54.9% | 15.0% | 2024 |
| 187 | 3605 | Rizwan Plaza | N.Nazimabad | 50.3% | 15.0% | 2024 |
| 188 | 1318 | Poly Trade | Bin Qasim | 70.0% | 15.0% | 2024 |
| 189 | 680 | Bengal Oil | LAYARI-I | 46.5% | 15.0% | 2024 |
| 190 | 188 | RP Confectionary | North Karachi | 31.2% | 15.0% | 2024 |
| 191 | 50 | Islamic Mission SS | KIMZ | 51.1% | 15.0% | 2024 |
| 192 | 3598 | New Iqbalabad (old Ruby Decoration) | Shah Faisal | 44.7% | 15.0% | 2024 |
| 193 | 786 | Yousuf Indus | Baldia | 22.5% | 15.0% | 2025 |
| 194 | 3745 | Al-Ghafoor Atrium Tower | New Karachi | 43.5% | 15.0% | 2024 |
| 195 | 3074 | Haroon Royal City | JOHAR-1 | 20.7% | 15.0% | 2025 |
| 196 | 3428 | PNSC | N.Nazimabad | 38.5% | 15.0% | 2024 |
| 197 | 3057 | Chotta Malir | JOHAR-2 | 59.3% | 15.0% | 2024 |
| 198 | 3606 | Mangalabad | Uthal | 60.8% | 15.0% | 2024 |
| 199 | 3840 | Naseem Textile | North Karachi | 39.3% | 15.0% | 2024 |
| 200 | 415 | Rizvia | JOHAR-2 | 80.0% | 15.0% | 2024 |
| 201 | 1345 | Raja Poultry Farm | Bin Qasim | 62.3% | 15.0% | 2024 |
| 202 | 3748 | Al-Akhwan Masjid | North Karachi | 61.6% | 15.0% | 2024 |
| 203 | 313 | Rufi Paradise | JOHAR-1 | 38.8% | 15.0% | 2024 |
| 204 | 628 | Paradise Colony | North Karachi | 31.8% | 15.0% | 2024 |
| 205 | 282 | Falak Naz | Shah Faisal | 51.9% | 15.0% | 2024 |
| 206 | 300 | Agah Khan | JOHAR-2 | 54.7% | 15.0% | 2024 |
| 207 | 365 | KDA low Cast | Bahadurabad | 39.3% | 15.0% | 2024 |
| 208 | 3195 | Ittehad Cottage | Baldia | 37.7% | 15.0% | 2024 |
| 209 | 2156 | Memon Masjid | F. B. Area | 55.9% | 15.0% | 2024 |
| 210 | 3061 | Merit Society | GADAP | 89.3% | 15.0% | 2024 |
| 211 | 683 | Lawrence Appartments | LAYARI-II | 40.9% | 15.0% | 2024 |
| 212 | 232 | Zoo SS | Garden | 34.2% | 15.0% | 2024 |
| 213 | 864 | Raheel Avene + Cap 2 | Garden | 26.9% | 15.0% | 2024 |
| 214 | 241 | Bandoowala | Garden | 50.9% | 15.0% | 2024 |
| 215 | 829 | Ameen Mazda | Baldia | 54.4% | 15.0% | 2024 |
| 216 | 865 | Al Mumtaz | Orangi-I | 56.8% | 15.0% | 2024 |
| 217 | 2064 | Indus Battery | Orangi-I | 30.6% | 15.0% | 2024 |
| 218 | 4023 | PRECISION RUBBER | Defence | 27.2% | 15.0% | 2024 |
| 219 | 3253 | DHA S/S 14 | Defence | 40.9% | 15.0% | 2024 |
| 220 | 162 | M Taleemul Quran | Bin Qasim | 76.5% | 15.0% | 2024 |
| 221 | 742 | Muslim Garden | LAYARI-I | 65.2% | 15.0% | 2024 |
| 222 | 3456 | Summit Bank + Cap 3 | North Karachi | 26.9% | 15.0% | 2024 |
| 223 | 278 | Cantt Pumping | Shah Faisal | 37.9% | 15.0% | 2024 |
| 224 | 625 | Mk Builder | N.Nazimabad | 24.8% | 15.0% | 2025 |
| 225 | 1303 | Jelani Centre | LAYARI-I | 41.7% | 15.0% | 2024 |
| 226 | 69 | Darakhshan 4 | Defence | 59.9% | 15.0% | 2024 |
| 227 | 1311 | Lyari Pumping | LAYARI-II | 35.9% | 15.0% | 2024 |
| 228 | 681 | New Neham Road | JOHAR-1 | 33.0% | 15.0% | 2024 |
| 229 | 655 | Babul Ilm | N.Nazimabad | 60.4% | 15.0% | 2024 |
| 230 | 160 | NM Poultry | Bin Qasim | 75.7% | 15.0% | 2024 |
| 231 | 3149 | Faizur e Rehman RMU | SITE | 42.3% | 15.0% | 2024 |
| 232 | 752 | Techno City1 | Saddar | 45.2% | 15.0% | 2024 |
| 233 | 2061 | KANUPP Pumping | Baldia | 48.6% | 15.0% | 2024 |
| 234 | 397 | Bismillah Market | GADAP | 49.7% | 15.0% | 2024 |
| 235 | 1286 | Ghaniabad | GADAP | 43.8% | 15.0% | 2024 |
| 236 | 525 | Deh Landhi | Bin Qasim | 99.6% | 15.0% | 2024 |
| 237 | 1362 | Time Press | Bahadurabad | 45.9% | 15.0% | 2024 |
| 238 | 3920 | Noor Hamza | GADAP | 40.5% | 15.0% | 2024 |
| 239 | 884 | Al Watan | Surjani | 81.2% | 15.0% | 2024 |



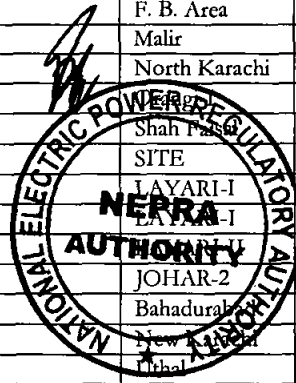
Annex - S

| | | | | | | |
|-----|------|-------------------------------------|---------------|-------|-------|------|
| 240 | 772 | Beverages | SITE | 72.7% | 15.0% | 2024 |
| 241 | 2018 | Peetal Gali SS | Nazimabad | 56.6% | 15.0% | 2024 |
| 242 | 250 | Qasim Bhai Moosa Bhai + Cap3 | LAYARI-II | 49.3% | 15.0% | 2024 |
| 243 | 664 | Block A Pumping | N.Nazimabad | 44.7% | 15.0% | 2024 |
| 244 | 1308 | Nawabad | JOHAR-1 | 32.9% | 15.0% | 2024 |
| 245 | 1280 | Ahsanabad | GADAP | 94.7% | 15.0% | 2024 |
| 246 | 410 | Fancy Height | JOHAR-2 | 48.1% | 15.0% | 2024 |
| 247 | 1345 | Raja Poultry Farm | Bin Qasim | 53.4% | 15.0% | 2024 |
| 248 | 1262 | Manshra Colony | Bin Qasim | 43.2% | 15.0% | 2024 |
| 249 | 3120 | Pak Scientific | JOHAR-2 | 51.6% | 15.0% | 2024 |
| 250 | 1345 | Raja Poultry Farm | Bin Qasim | 63.0% | 15.0% | 2024 |
| 251 | 3341 | Bakshi Square | Liaquatabad | 69.1% | 15.0% | 2024 |
| 252 | 3075 | Iqra Complex | JOHAR-1 | 26.7% | 15.0% | 2024 |
| 253 | 404 | Prince Ali | JOHAR-2 | 29.6% | 15.0% | 2024 |
| 254 | 563 | Indus Ice | Nazimabad | 36.0% | 15.0% | 2024 |
| 255 | 3195 | Ittehad Cottage | Baldia | 32.4% | 15.0% | 2024 |
| 256 | 353 | Tel Exchangs | Gulshan | 56.3% | 15.0% | 2024 |
| 257 | 18 | NR Colony | Defence | 36.6% | 15.0% | 2024 |
| 258 | 3606 | Mangalabad | Uthal | 59.4% | 15.0% | 2024 |
| 259 | 305 | Sheraton Square | JOHAR-2 | 39.3% | 15.0% | 2024 |
| 260 | 761 | Gulshan e Hadeed 6 | Bin Qasim | 44.6% | 15.0% | 2024 |
| 261 | 1217 | Grand City | JOHAR-1 | 31.3% | 15.0% | 2024 |
| 262 | 1163 | Naval Low Cast | Baldia | 25.0% | 15.0% | 2025 |
| 263 | 1318 | Poly Trade | Bin Qasim | 48.4% | 15.0% | 2024 |
| 264 | 121 | Lal Masjid | Malir | 35.5% | 15.0% | 2024 |
| 265 | 243 | Saleem Terrace | LAYARI-II | 46.9% | 15.0% | 2024 |
| 266 | 3598 | New Iqbalabad (old Ruby Decoration) | Shah Faisal | 25.9% | 15.0% | 2024 |
| 267 | 2061 | KANUPP Pumping | Baldia | 30.8% | 15.0% | 2024 |
| 268 | 4013 | Amalgamated Foods | KIMZ | 95.6% | 15.0% | 2024 |
| 269 | 312 | Askari 9 | JOHAR-1 | 31.1% | 15.0% | 2024 |
| 270 | 761 | Gulshan e Hadeed 6 | Bin Qasim | 40.6% | 15.0% | 2024 |
| 271 | 777 | Mohamadi Rerolling | Bin Qasim | 33.7% | 15.0% | 2024 |
| 272 | 1318 | Poly Trade | Bin Qasim | 92.0% | 15.0% | 2024 |
| 273 | 3598 | New Iqbalabad (old Ruby Decoration) | Shah Faisal | 33.8% | 15.0% | 2024 |
| 274 | 3426 | Rafi Premier | JOHAR-1 | 38.0% | 15.0% | 2024 |
| 275 | 3087 | Rabia City 1 | JOHAR-1 | 30.9% | 15.0% | 2024 |
| 276 | 50 | Islamic Mission SS | KIMZ | 40.7% | 15.0% | 2024 |
| 277 | 3750 | GARISHON | North Karachi | 66.7% | 15.0% | 2024 |
| 278 | 3598 | New Iqbalabad (old Ruby Decoration) | Shah Faisal | 37.5% | 15.0% | 2024 |
| 279 | 3087 | Rabia City 1 | JOHAR-1 | 30.9% | 15.0% | 2024 |
| 280 | 851 | Muhammad Ali Park | JOHAR-1 | 25.2% | 15.0% | 2025 |
| 281 | 3742 | Aleem Paradise | Surjani | 49.9% | 15.0% | 2024 |
| 282 | 162 | M Talemul Quran | Bin Qasim | 79.1% | 15.0% | 2024 |
| 283 | 3500 | Saima Villas I | Surjani | 62.8% | 15.0% | 2024 |
| 284 | 3029 | International Gum | Uthal | 44.0% | 15.0% | 2024 |
| 285 | 232 | Zoo SS | Garden | 33.0% | 15.0% | 2024 |
| 286 | 3184 | Jumma Khan RMU | Uthal | 45.8% | 15.0% | 2024 |
| 287 | 4003 | BORSTAL JAIL | Bin Qasim | 69.5% | 15.0% | 2024 |
| 288 | 884 | Al Watan | Surjani | 75.5% | 15.0% | 2024 |
| 289 | 2129 | Pk Ind Gases 2 | Bin Qasim | 44.2% | 15.0% | 2024 |
| 290 | 1573 | Mulla Essa Goth | Malir | 61.4% | 15.0% | 2024 |
| 291 | 332 | Askari 3 | JOHAR-1 | 40.2% | 15.0% | 2024 |
| 292 | 38 | Imperial Rubber | KIMZ | 30.5% | 15.0% | 2024 |
| 293 | 1243 | Sohail Shamsi | Korangi | 26.6% | 15.0% | 2024 |
| 294 | 881 | Sahiban | Surjani | 45.0% | 15.0% | 2024 |
| 295 | 1300 | Pakistan Ice | LAYARI-II | 40.7% | 15.0% | 2025 |
| 296 | 1254 | Chishtia Floor | KIMZ | 39.6% | 15.0% | 2025 |
| 297 | 649 | Modern Complex | North Karachi | 50.3% | 15.0% | 2025 |
| 298 | 852 | Okhai Memon | JOHAR-1 | 23.3% | 15.0% | 2025 |
| 299 | 1318 | Poly Trade | Bin Qasim | 67.4% | 15.0% | 2025 |
| 300 | 807 | Bawani Chali + Cap2 | SITE | 91.3% | 15.0% | 2025 |



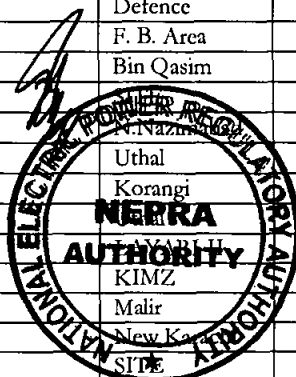
Annex - S

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|-----|------|-------------------------|---------------|-------|-------|------|
| 301 | 742 | Muslim Garden | LAYARI-I | 30.2% | 15.0% | 2025 |
| 302 | 669 | Nazimabad Post Office | Nazimabad | 27.2% | 15.0% | 2024 |
| 303 | 241 | Bandoowala | Garden | 60.5% | 15.0% | 2025 |
| 304 | 1139 | Khairpur Line + Cap2 | Shah Faisal | 31.6% | 15.0% | 2025 |
| 305 | 1318 | Poly Trade | Bin Qasim | 72.5% | 15.0% | 2025 |
| 306 | 3538 | Football | Defence | 50.6% | 15.0% | 2025 |
| 307 | 1334 | Volkurt Brothers | Saddar | 39.3% | 15.0% | 2025 |
| 308 | 191 | Plastic Crafter | F. B. Area | 64.7% | 15.0% | 2025 |
| 309 | 1118 | Hikmat Institute | Orangi-I | 30.6% | 15.0% | 2024 |
| 310 | 1350 | Ever Green + Cap1 | Surjani | 95.1% | 15.0% | 2024 |
| 311 | 3184 | Jumma Khan RMU | Uthal | 40.6% | 15.0% | 2025 |
| 312 | 3751 | FAYSAL GARMENT | North Karachi | 43.7% | 15.0% | 2025 |
| 313 | 1280 | Ahsanabad | GADAP | 32.6% | 15.0% | 2024 |
| 314 | 742 | Muslim Garden | LAYARI-I | 29.6% | 15.0% | 2024 |
| 315 | 525 | Deh Landhi | Bin Qasim | 95.3% | 15.0% | 2025 |
| 316 | 865 | Al Mumtaz | Orangi-I | 59.2% | 15.0% | 2025 |
| 317 | 681 | New Neham Road | JOHAR-1 | 29.2% | 15.0% | 2025 |
| 318 | 1240 | MA Muhammadi | Korangi | 92.5% | 15.0% | 2025 |
| 319 | 2119 | Baba Wilayat Ali Shah | Shah Faisal | 50.4% | 15.0% | 2025 |
| 320 | 3119 | KDA Employee Society | JOHAR-2 | 48.3% | 15.0% | 2025 |
| 321 | 3158 | Al Wajid Town | Orangi-I | 47.0% | 15.0% | 2024 |
| 322 | 1282 | Saifal Goth | GADAP | 87.6% | 15.0% | 2025 |
| 323 | 414 | Kaka Khail | GADAP | 53.3% | 15.0% | 2024 |
| 324 | 645 | Platanium 4 | New Karachi | 47.3% | 15.0% | 2025 |
| 325 | 1573 | Mulla Essa Goth | Malir | 74.8% | 15.0% | 2025 |
| 326 | 648 | Saba Cenima | North Karachi | 43.9% | 15.0% | 2025 |
| 327 | 190 | Saghir Center | F. B. Area | 22.8% | 15.0% | 2025 |
| 328 | 3696 | Burhani Garden | Malir | 87.1% | 15.0% | 2025 |
| 329 | 3449 | Pole 10 | North Karachi | 25.4% | 15.0% | 2024 |
| 330 | 3158 | Al Wajid Town | Orangi-I | 53.5% | 15.0% | 2024 |
| 331 | 1155 | Amjad Ali Well | Shah Faisal | 30.6% | 15.0% | 2025 |
| 332 | 3149 | Faizur e Rehman RMU | SITE | 56.4% | 15.0% | 2025 |
| 333 | 742 | Muslim Garden | LAYARI-I | 48.5% | 15.0% | 2025 |
| 334 | 742 | Muslim Garden | LAYARI-I | 28.2% | 15.0% | 2024 |
| 335 | 749 | Barness Street | JOHAR-1 | 23.3% | 15.0% | 2025 |
| 336 | 300 | Agah Khan | JOHAR-2 | 38.4% | 15.0% | 2025 |
| 337 | 373 | Army Flats | Bahadurabad | 32.7% | 15.0% | 2025 |
| 338 | 3584 | Khuda Ki Basti | New Karachi | 65.1% | 15.0% | 2024 |
| 339 | 3029 | International Gum | Uthal | 40.8% | 15.0% | 2025 |
| 340 | 3956 | Lubna Farm | GADAP | 31.0% | 15.0% | 2024 |
| 341 | 399 | Hadiabad | GADAP | 35.2% | 15.0% | 2024 |
| 342 | 530 | Metal Complex | Bin Qasim | 80.0% | 15.0% | 2025 |
| 343 | 865 | Al Mumtaz | Orangi-I | 42.4% | 15.0% | 2025 |
| 344 | 1573 | Mulla Essa Goth | Malir | 70.6% | 15.0% | 2025 |
| 345 | 749 | Barness Street | LAYARI-II | 24.1% | 15.0% | 2025 |
| 346 | 3031 | Pawel Cel | Uthal | 63.4% | 15.0% | 2025 |
| 347 | 1155 | Amjad Ali Well | Shah Faisal | 31.1% | 15.0% | 2025 |
| 348 | 639 | Maraqba Hall | New Karachi | 33.2% | 15.0% | 2025 |
| 349 | 1219 | Dhorajee Colony | Gulshan | 43.2% | 15.0% | 2025 |
| 350 | 3319 | Faiz Muree RMU | Defence | 77.1% | 15.0% | 2025 |
| 351 | 313 | Rufi Paradise | JOHAR-1 | 29.2% | 15.0% | 2025 |
| 352 | 4113 | HADI INDUSTRY | North Karachi | 29.8% | 15.0% | 2025 |
| 353 | 3745 | Al-Ghafoor Atrium Tower | New Karachi | 39.7% | 15.0% | 2024 |
| 354 | 114 | Chawala Flats | Garden | 49.1% | 15.0% | 2025 |
| 355 | 3470 | Iqbal Plaza | North Karachi | 49.5% | 15.0% | 2025 |
| 356 | 742 | Muslim Garden | LAYARI-I | 46.3% | 15.0% | 2025 |
| 357 | 3163 | Madina Godhra | North Karachi | 46.0% | 15.0% | 2025 |
| 358 | 3029 | International Gum | Uthal | 42.6% | 15.0% | 2025 |
| 359 | 314 | Malik Society + Cap 2 | JOHAR-2 | 37.7% | 15.0% | 2025 |
| 360 | 213 | Shamsi Garment | North Karachi | 31.0% | 15.0% | 2025 |
| 361 | 3276 | Sadi Town | JOHAR-2 | 43.4% | 15.0% | 2025 |



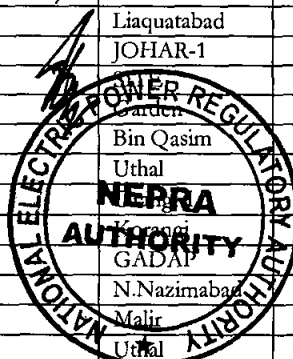
Annex - S

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|-----|------|------------------------|---------------|-------|-------|------|
| 362 | 303 | Johar Squire | JOHAR-1 | 24.2% | 15.0% | 2025 |
| 363 | 243 | Saleem Terrace | LAYARI-II | 29.2% | 15.0% | 2025 |
| 364 | 302 | Sana Avenue | JOHAR-1 | 30.5% | 15.0% | 2025 |
| 365 | 2061 | KANUPP Pumping | Baldia | 48.6% | 15.0% | 2024 |
| 366 | 3299 | Abdul Waheed Sohail PN | Tipu Sultan | 64.3% | 15.0% | 2025 |
| 367 | 3065 | Gulshan e Amin Tower | JOHAR-1 | 28.2% | 15.0% | 2024 |
| 368 | 775 | District Office | Nazimabad | 34.9% | 15.0% | 2025 |
| 369 | 783 | KDA Pump Baldia | Baldia | 56.0% | 15.0% | 2025 |
| 370 | 2038 | Ghazi Town | Malir | 93.8% | 15.0% | 2024 |
| 371 | 1161 | Northern Electric | Baldia | 25.5% | 15.0% | 2024 |
| 372 | 3045 | J1 Area RMU | Korangi | 78.9% | 15.0% | 2024 |
| 373 | 3606 | Mangalabad | Uthal | 58.2% | 15.0% | 2025 |
| 374 | 636 | Al Ghor | Surjani | 49.7% | 15.0% | 2024 |
| 375 | 1118 | Ilikmat Institute | Orangi-I | 41.8% | 15.0% | 2024 |
| 376 | 3853 | Rangers Head Quarter | JOHAR-2 | 71.8% | 15.0% | 2025 |
| 377 | 525 | Deh Landhi | Bin Qasim | 92.3% | 15.0% | 2025 |
| 378 | 3606 | Mangalabad | Uthal | 57.1% | 15.0% | 2025 |
| 379 | 3905 | Salman Height | Nazimabad | 62.3% | 15.0% | 2025 |
| 380 | 1240 | MA Muhammadi | Korangi | 47.3% | 15.0% | 2025 |
| 381 | 742 | Muslim Garden | LAYARI-I | 41.3% | 15.0% | 2025 |
| 382 | 3853 | Rangers Head Quarter | JOHAR-2 | 67.5% | 15.0% | 2025 |
| 383 | 375 | Batala | Saddar | 32.7% | 15.0% | 2024 |
| 384 | 3169 | NED | Gulshan | 55.1% | 15.0% | 2025 |
| 385 | 3600 | Mianwali | Orangi-I | 40.1% | 15.0% | 2025 |
| 386 | 3057 | Chotta Malir | JOHAR-2 | 38.4% | 15.0% | 2025 |
| 387 | 1180 | DHA Phase 7 Ext | Defence | 52.1% | 15.0% | 2025 |
| 388 | 220 | Eastern Apartment | F. B. Area | 33.5% | 15.0% | 2025 |
| 389 | 1319 | Afzal Motors | Bin Qasim | 54.4% | 15.0% | 2025 |
| 390 | 797 | Mehtab Indus | | 27.8% | 15.0% | 2025 |
| 391 | 3428 | PNSC | N.Nazimabad | 29.2% | 15.0% | 2025 |
| 392 | 3606 | Mangalabad | Uthal | 58.2% | 15.0% | 2025 |
| 393 | 443 | Vocational Institute | Korangi | 67.0% | 15.0% | 2024 |
| 394 | 3095 | Bal Foundry | LAYARI-II | 65.1% | 15.0% | 2025 |
| 395 | 3541 | Ghanchi Para | KIMZ | 46.8% | 15.0% | 2024 |
| 396 | 4013 | Amalgamated Foods | Malir | 93.7% | 15.0% | 2025 |
| 397 | 1276 | Mes 105 | New K | 72.9% | 15.0% | 2025 |
| 398 | 3376 | Oakland (Old Pole19) | | 35.1% | 15.0% | 2024 |
| 399 | 2179 | Malir Poultry | Malir | 24.2% | 15.0% | 2025 |
| 400 | 204 | Supreme Heights | N.Nazimabad | 28.7% | 15.0% | 2024 |
| 401 | 3028 | Balochistan Board | Uthal | 42.9% | 15.0% | 2025 |
| 402 | 261 | Lashari Goth | Bin Qasim | 54.6% | 15.0% | 2025 |
| 403 | 3233 | Crystal Ice | North Karachi | 33.1% | 15.0% | 2025 |
| 404 | 3030 | Degash | Uthal | 34.9% | 15.0% | 2025 |
| 405 | 3010 | Rampat Road | LAYARI-I | 38.7% | 15.0% | 2025 |
| 406 | 3419 | Johar Complex | JOHAR-2 | 51.3% | 15.0% | 2025 |
| 407 | 2129 | Pk Ind Gases 2 | Bin Qasim | 52.1% | 15.0% | 2025 |
| 408 | 1238 | Juma Village | Korangi | 47.7% | 15.0% | 2024 |
| 409 | 459 | Foundation Gas | KIMZ | 56.8% | 15.0% | 2025 |
| 410 | 1282 | Saifal Goth | GADAP | 87.9% | 15.0% | 2025 |
| 411 | 865 | Al Mumtaz | Orangi-I | 59.1% | 15.0% | 2025 |
| 412 | 1318 | Poly Trade | Bin Qasim | 69.2% | 15.0% | 2025 |
| 413 | 3163 | Madina Godhra | North Karachi | 30.9% | 15.0% | 2025 |
| 414 | 2027 | Billing Zone | Orangi-I | 31.8% | 15.0% | 2024 |
| 415 | 2119 | Baba Wilayat Ali Shah | Shah Faisal | 31.0% | 15.0% | 2024 |
| 416 | 3283 | Gulshan e Shiraz | Surjani | 54.2% | 15.0% | 2025 |
| 417 | 3284 | Royal City | Surjani | 53.9% | 15.0% | 2024 |
| 418 | 3558 | Memon CHS | JOHAR-2 | 43.7% | 15.0% | 2025 |
| 419 | 1139 | Khairpur Line + Cap2 | Shah Faisal | 80.4% | 15.0% | 2025 |
| 420 | 1193 | State Bank Banglows | Saddar | 55.5% | 15.0% | 2025 |
| 421 | 2061 | KANUPP Pumping | Baldia | 30.5% | 15.0% | 2024 |
| 422 | 783 | KDA Pump Baldia | Baldia | 47.2% | 15.0% | 2025 |



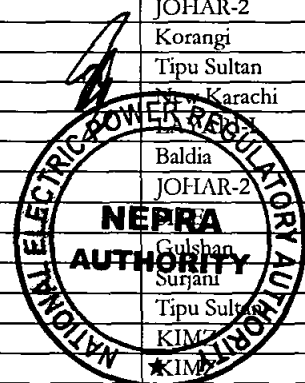
Annex - S

| | | | | | | |
|-----|------|-------------------------------------|---------------|-------|-------|------|
| 423 | 4023 | PRECISION RUBBER | KIMZ | 48.6% | 15.0% | 2025 |
| 424 | 345 | Askari 5 | JOHAR-1 | 26.7% | 15.0% | 2025 |
| 425 | 3586 | National Medical Center | Bin Qasim | 98.1% | 15.0% | 2025 |
| 426 | 3029 | International Gum | Uthal | 42.7% | 15.0% | 2025 |
| 427 | 2115 | Rangeen Cinema | Bin Qasim | 74.8% | 15.0% | 2025 |
| 428 | 4113 | HADI INDUSTRY | North Karachi | 26.2% | 15.0% | 2025 |
| 429 | 1155 | Amjad Ali Well | Shah Faisal | 27.0% | 15.0% | 2025 |
| 430 | 3249 | Abid Industry | SITE | 25.1% | 15.0% | 2025 |
| 431 | 438 | Qabristan RMU | KIMZ | 28.5% | 15.0% | 2025 |
| 432 | 3144 | Azeem Garden | JOHAR-1 | 29.3% | 15.0% | 2025 |
| 433 | 3575 | K-1 Center | Korangi | 62.7% | 15.0% | 2024 |
| 434 | 3029 | International Gum | Uthal | 51.0% | 15.0% | 2025 |
| 435 | 742 | Muslim Garden | LAYARI-I | 58.0% | 15.0% | 2025 |
| 436 | 712 | Paramount Flour | KIMZ | 41.2% | 15.0% | 2024 |
| 437 | 236 | Holy Family | Garden | 23.3% | 15.0% | 2025 |
| 438 | 783 | KDA Pump Baldia | Baldia | 36.3% | 15.0% | 2025 |
| 439 | 634 | Today Restaurant | North Karachi | 28.2% | 15.0% | 2025 |
| 440 | 1155 | Amjad Ali Well | Shah Faisal | 27.9% | 15.0% | 2025 |
| 441 | 3028 | Balochistan Board | Uthal | 40.8% | 15.0% | 2025 |
| 442 | 864 | Raheel Avene + Cap 2 | Orangi-I | 63.8% | 15.0% | 2025 |
| 443 | 3030 | Degash | Uthal | 52.6% | 15.0% | 2025 |
| 444 | 365 | KDA low Cast | Bahadurabad | 27.4% | 15.0% | 2025 |
| 445 | 653 | Karaka Pk | North Karachi | 43.9% | 15.0% | 2025 |
| 446 | 3598 | New Iqbalabad (old Ruby Decoration) | Shah Faisal | 29.5% | 15.0% | 2025 |
| 447 | 2113 | Ali Square | Liaquatabad | 25.9% | 15.0% | 2025 |
| 448 | 851 | Muhammad Ali Park | JOHAR-1 | 21.7% | 15.0% | 2025 |
| 449 | 772 | Beverages | Garden | 39.6% | 15.0% | 2025 |
| 450 | 2103 | UBL Flats SS | Garden | 23.5% | 15.0% | 2025 |
| 451 | 1345 | Raja Poultry Farm | Bin Qasim | 25.5% | 15.0% | 2025 |
| 452 | 3606 | Mangalabad | Uthal | 41.9% | 15.0% | 2025 |
| 453 | 793 | Peerabad | Korangi | 89.0% | 15.0% | 2024 |
| 454 | 1250 | Madina Colony | Korangi | 29.0% | 15.0% | 2024 |
| 455 | 1280 | Ahsanabad | GADAP | 49.4% | 15.0% | 2024 |
| 456 | 661 | Friends Height | N.Nazimabad | 32.5% | 15.0% | 2025 |
| 457 | 1572 | Pole 58 | Malir | 39.5% | 15.0% | 2025 |
| 458 | 3030 | Degash | Uthal | 42.1% | 15.0% | 2025 |
| 459 | 3031 | Pawel Cel | Uthal | 51.1% | 15.0% | 2025 |
| 460 | 3029 | International Gum | Uthal | 42.6% | 15.0% | 2025 |
| 461 | 96 | Baghdadi Masjid | Bahadurabad | 22.3% | 15.0% | 2025 |
| 462 | 551 | Moosa Colony | F. B. Area | 92.6% | 15.0% | 2024 |
| 463 | 3704 | Zaki Cottages | Surjani | 27.4% | 15.0% | 2025 |
| 464 | 1158 | Gulshan e Ghazali | Shah Faisal | 32.0% | 15.0% | 2025 |
| 465 | 206 | Rukkiya SS | F. B. Area | 33.1% | 15.0% | 2025 |
| 466 | 3742 | Aleem Paradise | Surjani | 41.1% | 15.0% | 2025 |
| 467 | 680 | Bengal Oil | LAYARI-I | 25.8% | 15.0% | 2025 |
| 468 | 3584 | Khuda Ki Basti | New Karachi | 53.1% | 15.0% | 2024 |
| 469 | 3600 | Mianwali | Orangi-I | 40.6% | 15.0% | 2025 |
| 470 | 3233 | Crystal Ice | North Karachi | 81.3% | 15.0% | 2025 |
| 471 | 472 | Rehmania Masjid | Korangi | 72.0% | 15.0% | 2025 |
| 472 | 3029 | International Gum | Uthal | 36.6% | 15.0% | 2025 |
| 473 | 3872 | VAY WATER | North Karachi | 69.7% | 15.0% | 2025 |
| 474 | 254 | Mazar e Quaid | Bahadurabad | 50.8% | 15.0% | 2025 |
| 475 | 1152 | General Society | Gulshan | 63.5% | 15.0% | 2025 |
| 476 | 1162 | Happy Pan House | Baldia | 48.1% | 15.0% | 2025 |
| 477 | 573 | Lea Market | LAYARI-II | 27.0% | 15.0% | 2025 |
| 478 | 3449 | Pole 10 | North Karachi | 51.8% | 15.0% | 2025 |
| 479 | 282 | Falak Naz | Shah Faisal | 30.5% | 15.0% | 2025 |
| 480 | 852 | Okhai Memon | JOHAR-1 | 24.8% | 15.0% | 2025 |
| 481 | 3606 | Mangalabad | Uthal | 54.8% | 15.0% | 2025 |
| 482 | 3486 | Saba RMU | Defence | 51.0% | 15.0% | 2025 |
| 483 | 3627 | EOBI PMT RMU | Malir | 58.5% | 15.0% | 2025 |



Annex - S

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|-----|------|-------------------------------------|---------------|-------|-------|------|
| 484 | 3333 | Peoples Colony | N.Nazimabad | 38.6% | 15.0% | 2025 |
| 485 | 324 | Faran Club | Gulshan | 28.6% | 15.0% | 2024 |
| 486 | 4013 | Amalgamated Foods | KIMZ | 86.9% | 15.0% | 2025 |
| 487 | 3392 | Al Fawad Medical | Baldia | 40.0% | 15.0% | 2025 |
| 488 | 1318 | Poly Trade | Bin Qasim | 85.6% | 15.0% | 2025 |
| 489 | 2114 | FIA RMU | Garden | 26.1% | 15.0% | 2025 |
| 490 | 539 | Gulbahar | Nazimabad | 36.5% | 15.0% | 2024 |
| 491 | 1240 | MA Muhammadi | Korangi | 75.1% | 15.0% | 2025 |
| 492 | 3742 | Aleem Paradise | Surjani | 37.6% | 15.0% | 2025 |
| 493 | 3149 | Faizur e Rehman RMU | SITE | 33.3% | 15.0% | 2025 |
| 494 | 795 | Hamdard | Nazimabad | 33.3% | 15.0% | 2024 |
| 495 | 408 | Al Azhar Garden | JOHAR-2 | 67.4% | 15.0% | 2025 |
| 496 | 345 | Askari 5 | JOHAR-1 | 24.0% | 15.0% | 2025 |
| 497 | 3241 | Mehran Town | KIMZ | 42.3% | 15.0% | 2025 |
| 498 | 1318 | Poly Trade | Bin Qasim | 48.5% | 15.0% | 2025 |
| 499 | 305 | Sheraton Square | JOHAR-2 | 76.2% | 15.0% | 2025 |
| 500 | 430 | Ghalib Cinema | Korangi | 63.2% | 15.0% | 2024 |
| 501 | 2072 | Punjab Town | Shah Faisal | 35.7% | 15.0% | 2025 |
| 502 | 621 | Hassan Cold | North Karachi | 44.5% | 15.0% | 2025 |
| 503 | 443 | Vocational Institute | Korangi | 63.3% | 15.0% | 2024 |
| 504 | 430 | Ghalib Cinema | Korangi | 74.9% | 15.0% | 2024 |
| 505 | 3737 | Saif Company | SITE | 33.0% | 15.0% | 2025 |
| 506 | 3588 | Pearl Fabric | KIMZ | 20.2% | 15.0% | 2025 |
| 507 | 662 | State Bank + Cap3 | N.Nazimabad | 24.6% | 15.0% | 2025 |
| 508 | 3142 | Gulshan View | JOHAR-2 | 47.5% | 15.0% | 2025 |
| 509 | 3575 | K-1 Center | Korangi | 49.9% | 15.0% | 2024 |
| 510 | 3436 | Sitar Bakery | Tipu Sultan | 26.1% | 15.0% | 2025 |
| 511 | 884 | Al Watan | North Karachi | 91.1% | 15.0% | 2024 |
| 512 | 742 | Muslim Garden | Gulshan | 28.6% | 15.0% | 2024 |
| 513 | 2061 | KANUPP Pumping | Baldia | 30.1% | 15.0% | 2024 |
| 514 | 3348 | County Garden | JOHAR-2 | 41.7% | 15.0% | 2025 |
| 515 | 803 | H Nizamuddin + Cap | Gulshan | 93.0% | 15.0% | 2025 |
| 516 | 318 | Urdu College | Surjani | 64.1% | 15.0% | 2025 |
| 517 | 881 | Sahiban | Surjani | 30.4% | 15.0% | 2024 |
| 518 | 3331 | Peshawari Ice | Tipu Sultan | 35.0% | 15.0% | 2025 |
| 519 | 433 | Rustum Ice | KIMZ | 76.2% | 15.0% | 2025 |
| 520 | 712 | Paramount Flour | KIMZ | 60.0% | 15.0% | 2024 |
| 521 | 243 | Salcem Terrace | LAYARI-II | 38.8% | 15.0% | 2025 |
| 522 | 1572 | Pole 58 | Malir | 53.6% | 15.0% | 2025 |
| 523 | 3449 | Pole 10 | North Karachi | 25.5% | 15.0% | 2025 |
| 524 | 3597 | Mushtaq 1 | Baldia | 35.3% | 15.0% | 2025 |
| 525 | 332 | Askari 3 | JOHAR-1 | 34.6% | 15.0% | 2025 |
| 526 | 573 | Lea Market | LAYARI-II | 65.0% | 15.0% | 2025 |
| 527 | 1118 | Hikmat Institute | Orangi-I | 31.6% | 15.0% | 2024 |
| 528 | 573 | Lea Market | LAYARI-II | 38.7% | 15.0% | 2025 |
| 529 | 675 | Taqi Center | N.Nazimabad | 25.9% | 15.0% | 2025 |
| 530 | 3598 | New Iqbalabad (old Ruby Decoration) | Shah Faisal | 21.9% | 15.0% | 2025 |
| 531 | 3879 | Tulip Tower | JOHAR-2 | 47.4% | 15.0% | 2025 |
| 532 | 525 | Deh Landhi | Bin Qasim | 82.9% | 15.0% | 2025 |
| 533 | 443 | Vocational Institute | Korangi | 54.2% | 15.0% | 2024 |
| 534 | 4111 | SIDDIQUE GOTH | Surjani | 51.9% | 15.0% | 2025 |
| 535 | 643 | Salcem Center | North Karachi | 28.8% | 15.0% | 2025 |
| 536 | 1269 | Nazimabad Pmp 1 + Cap1 | Nazimabad | 39.8% | 15.0% | 2024 |
| 537 | 879 | Yousuf Goth | Surjani | 46.3% | 15.0% | 2024 |
| 538 | 749 | Barness Street | LAYARI-II | 22.2% | 15.0% | 2025 |
| 539 | 3149 | Faizur e Rehman RMU | SITE | 37.7% | 15.0% | 2025 |
| 540 | 440 | Korangi Tel Exch 1 | Korangi | 74.8% | 15.0% | 2024 |
| 541 | 33 | Defence Pumping 3 | Defence | 34.4% | 15.0% | 2025 |
| 542 | 4111 | SIDDIQUE GOTH | Surjani | 54.7% | 15.0% | 2025 |
| 543 | 779 | Bismillah market (NOORANI HOTEL) | Nazimabad | 24.7% | 15.0% | 2025 |
| 544 | 404 | Prince Ali | JOHAR-2 | 53.7% | 15.0% | 2024 |



Annex - S

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|-----|------|------------------------|---------------|-------|-------|------|
| 545 | 1240 | MA Muhammadi | Korangi | 55.1% | 15.0% | 2025 |
| 546 | 3497 | Javed Metal | North Karachi | 54.9% | 15.0% | 2025 |
| 547 | 638 | Country Tower | North Karachi | 22.3% | 15.0% | 2025 |
| 548 | 542 | Nazimabad 3 | Nazimabad | 37.8% | 15.0% | 2024 |
| 549 | 218 | Cosmos + CAP6 | F. B. Area | 38.8% | 15.0% | 2025 |
| 550 | 2197 | TDC | SITE | 40.9% | 15.0% | 2025 |
| 551 | 890 | AL Noor Society | F. B. Area | 32.3% | 15.0% | 2025 |
| 552 | 1339 | YWCA | Garden | 28.4% | 15.0% | 2025 |
| 553 | 2020 | ISI | Defence | 73.7% | 15.0% | 2025 |
| 554 | 1571 | Tel Exchange | Malir | 39.6% | 15.0% | 2025 |
| 555 | 3169 | NED | JOHAR-2 | 24.3% | 15.0% | 2025 |
| 556 | 583 | Adam Hingora Goth | Malir | 84.9% | 15.0% | 2024 |
| 557 | 3068 | Kings Residency | JOHAR-1 | 34.5% | 15.0% | 2025 |
| 558 | 406 | Pioneer | JOHAR-2 | 48.4% | 15.0% | 2025 |
| 559 | 1573 | Mulla Essa Goth | Malir | 42.9% | 15.0% | 2025 |
| 560 | 646 | Sherani Ice | North Karachi | 24.2% | 15.0% | 2025 |
| 561 | 420 | Korangi Tel Exchange 3 | Korangi | 52.8% | 15.0% | 2024 |
| 562 | 3956 | Lubna Farm | GADAP | 54.4% | 15.0% | 2024 |
| 563 | 243 | Salcem Terrace | LAYARI-II | 31.2% | 15.0% | 2025 |
| 564 | 455 | Pak Shoes | KIMZ | 68.9% | 15.0% | 2024 |
| 565 | 3169 | NED | JOHAR-2 | 23.7% | 15.0% | 2025 |
| 566 | 3591 | Saima | JOHAR-2 | 29.0% | 15.0% | 2025 |
| 567 | 50 | Islamic Mission SS | KIMZ | 33.4% | 15.0% | 2025 |
| 568 | 215 | Labour Square | North Karachi | 34.8% | 15.0% | 2025 |
| 569 | 3284 | Royal City | New Karachi | 55.3% | 15.0% | 2024 |
| 570 | 3255 | Quary Colon | Orangi-I | 32.0% | 15.0% | 2025 |
| 571 | 1281 | Pole21 | North Karachi | 25.7% | 15.0% | 2025 |
| 572 | 230 | O/H Pole | GADAP | 96.4% | 15.0% | 2024 |
| 573 | 24 | Jabbar Pla | Saddar | 36.9% | 15.0% | 2025 |
| 574 | 98 | Milk Plant | Bahadurabad | 45.3% | 15.0% | 2025 |
| 575 | 3531 | Natha Khar | Shah Faisal | 24.3% | 15.0% | 2025 |
| 576 | 3606 | Mangalabad | Uthal | 54.1% | 15.0% | 2025 |
| 577 | 2186 | Taijeen | SITE | 22.0% | 15.0% | 2025 |
| 578 | 795 | Hamdard | Nazimabad | 26.7% | 15.0% | 2024 |
| 579 | 305 | Sheraton Square | JOHAR-2 | 25.3% | 15.0% | 2025 |
| 580 | 3056 | Crown Garden | JOHAR-1 | 33.4% | 15.0% | 2025 |
| 581 | 406 | Pioneer | JOHAR-2 | 36.5% | 15.0% | 2025 |
| 582 | 2061 | KANUPP Pumping | Baldia | 30.1% | 15.0% | 2024 |
| 583 | 525 | Deh Landhi | Bin Qasim | 70.3% | 15.0% | 2025 |
| 584 | 884 | Al Watan | Surjani | 24.5% | 15.0% | 2025 |
| 585 | 3417 | Senator Mazhar | GADAP | 35.9% | 15.0% | 2024 |
| 586 | 832 | Shafi&Co | SITE | 35.3% | 15.0% | 2025 |
| 587 | 884 | Al Watan | Surjani | 62.9% | 15.0% | 2024 |
| 588 | 3119 | KDA Employee Society | JOHAR-2 | 59.7% | 15.0% | 2025 |
| 589 | 3952 | William Sons | JOHAR-1 | 29.9% | 15.0% | 2025 |
| 590 | 3419 | Johar Complex | JOHAR-2 | 33.2% | 15.0% | 2025 |
| 591 | 3120 | Pak Scientific | JOHAR-2 | 41.4% | 15.0% | 2025 |
| 592 | 3377 | Sunrise Avenue SS 40 | Defence | 56.8% | 15.0% | 2025 |
| 593 | 620 | Haroon Heights + Cap 5 | North Karachi | 25.8% | 15.0% | 2024 |
| 594 | 865 | Al Mumtaz | Orangi-I | 73.1% | 15.0% | 2025 |
| 595 | 712 | Paramount Flour | KIMZ | 34.9% | 15.0% | 2024 |
| 596 | 216 | Ancholi | F. B. Area | 20.8% | 15.0% | 2025 |
| 597 | 3736 | Raiti Pahar RMU | Orangi-I | 48.7% | 15.0% | 2025 |
| 598 | 50 | Islamic Mission SS | KIMZ | 50.9% | 15.0% | 2025 |
| 599 | 3402 | Badshah Khan | Clifton | 39.6% | 15.0% | 2025 |
| 600 | 1568 | Muslim Gymkhana | Saddar | 33.6% | 15.0% | 2025 |
| 601 | 1242 | Tasveer Mahal RMU | Korangi | 38.6% | 15.0% | 2024 |
| 602 | 1318 | Poly Trade | Bin Qasim | 71.6% | 15.0% | 2025 |
| 603 | 3057 | Chotta Malir | JOHAR-2 | 31.5% | 15.0% | 2025 |
| 604 | 430 | Ghalib Cinema | Korangi | 66.2% | 15.0% | 2024 |
| 605 | 881 | Sahiban | Surjani | 30.4% | 15.0% | 2024 |

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Annex - S

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|-----|------|------------------------------|---------------|-------|-------|------|
| 606 | 675 | Taqi Center | N.Nazimabad | 42.4% | 15.0% | 2025 |
| 607 | 3412 | Madras Society | JOHAR-2 | 44.1% | 15.0% | 2025 |
| 608 | 3455 | RRP | SITE | 40.4% | 15.0% | 2025 |
| 609 | 250 | Qasim Bhai Moosa Bhai + Cap3 | LAYARI-II | 33.0% | 15.0% | 2024 |
| 610 | 492 | Anum Classic | Tipu Sultan | 23.8% | 15.0% | 2025 |
| 611 | 433 | Rustum Ice | KIMZ | 47.1% | 15.0% | 2025 |
| 612 | 3578 | Golden Harvest | KIMZ | 79.9% | 15.0% | 2025 |
| 613 | 3029 | International Gum | Uthal | 44.2% | 15.0% | 2025 |
| 614 | 3605 | Rizwan Plaza | N.Nazimabad | 24.6% | 15.0% | 2025 |
| 615 | 633 | Best View (Old Surjani Town) | Surjani | 20.1% | 15.0% | 2025 |
| 616 | 525 | Deh Landhi | Bin Qasim | 50.7% | 15.0% | 2025 |
| 617 | 1357 | Spectrum | JOHAR-1 | 19.1% | 15.0% | 2025 |
| 618 | 4091 | STEEL-X | North Karachi | 50.7% | 15.0% | 2025 |
| 619 | 471 | Comperchencive School | Korangi | 37.8% | 15.0% | 2025 |
| 620 | 3737 | Saif Company | SITE | 15.8% | 15.0% | 2025 |
| 621 | 3441 | Pakistan Steel | GADAP | 61.3% | 15.0% | 2024 |
| 622 | 1193 | State Bank Banglows | Saddar | 24.7% | 15.0% | 2025 |
| 623 | 472 | Rehmania Masjid | Korangi | 72.2% | 15.0% | 2025 |
| 624 | 677 | Moosa Lane RMU | LAYARI-II | 54.6% | 15.0% | 2024 |
| 625 | 3596 | Naz Ice | Nazimabad | 26.0% | 15.0% | 2025 |
| 626 | 643 | Saleem Center | North Karachi | 19.3% | 15.0% | 2025 |
| 627 | 3043 | KDA TP3 | KIMZ | 55.5% | 15.0% | 2025 |
| 628 | 329 | Mujahid Colony | Gulshan | 43.4% | 15.0% | 2025 |
| 629 | 228 | Agha Shahi | GADAP | 81.7% | 15.0% | 2025 |
| 630 | 2055 | Bus Terminal | Baldia | 31.7% | 15.0% | 2025 |
| 631 | 3213 | Rimjhim Toy | JOHAR-2 | 31.7% | 15.0% | 2025 |
| 632 | 3068 | Kings Rest | JOHAR-1 | 26.1% | 15.0% | 2025 |
| 633 | 255 | Odean Center | Saddar | 24.0% | 15.0% | 2025 |
| 634 | 3541 | Ghanchi Park | LAYARI-II | 26.8% | 15.0% | 2025 |
| 635 | 780 | Manzoor Traders | SITE | 34.0% | 15.0% | 2025 |
| 636 | 3091 | Miangiani Park | Uthal | 24.2% | 15.0% | 2025 |
| 637 | 2073 | M Younis | F. B. Area | 34.9% | 15.0% | 2025 |
| 638 | 2164 | Maymarabad | Surjani | 37.9% | 15.0% | 2024 |
| 639 | 680 | Bengal Oil | LAYARI-I | 26.5% | 15.0% | 2025 |
| 640 | 878 | Surjani Tel Exch | Surjani | 49.9% | 15.0% | 2024 |
| 641 | 430 | Ghalib Cinema | Korangi | 71.2% | 15.0% | 2024 |
| 642 | 651 | Qaim Khan | North Karachi | 76.0% | 15.0% | 2025 |
| 643 | 3176 | Millat | Gulshan | 27.5% | 15.0% | 2025 |
| 644 | 345 | Askari 5 | JOHAR-1 | 22.3% | 15.0% | 2025 |
| 645 | 644 | Sunlight | New Karachi | 23.4% | 15.0% | 2025 |
| 646 | 3584 | Khuda Ki Basti | New Karachi | 55.5% | 15.0% | 2024 |
| 647 | 3029 | International Gum | Uthal | 43.7% | 15.0% | 2025 |
| 648 | 3185 | Latcef Jute | Uthal | 40.0% | 15.0% | 2025 |
| 649 | 1301 | Rauf Oil | LAYARI-II | 49.8% | 15.0% | 2024 |
| 650 | 430 | Ghalib Cinema | Korangi | 48.0% | 15.0% | 2024 |
| 651 | 669 | Nazimabad Post Office | Nazimabad | 31.2% | 15.0% | 2024 |
| 652 | 1118 | Hikmat Institute | Orangi-I | 32.0% | 15.0% | 2024 |
| 653 | 680 | Bengal Oil | LAYARI-I | 34.2% | 15.0% | 2025 |
| 654 | 2143 | Atlis Battery | SITE | 78.1% | 15.0% | 2025 |
| 655 | 3857 | Humayun Saghir | Uthal | 46.5% | 15.0% | 2025 |
| 656 | 243 | Saleem Terrace | LAYARI-II | 33.4% | 15.0% | 2025 |
| 657 | 3120 | Pak Scientific | JOHAR-2 | 19.1% | 15.0% | 2025 |
| 658 | 433 | Rustum Ice | KIMZ | 74.4% | 15.0% | 2025 |
| 659 | 3704 | Zaki Cottages | Surjani | 26.4% | 15.0% | 2025 |
| 660 | 3057 | Chotta Malir | JOHAR-2 | 37.7% | 15.0% | 2025 |
| 661 | 2052 | Kh Hafiz | Defence | 62.8% | 15.0% | 2025 |
| 662 | 3835 | JIVANI TRADERS RMU | KIMZ | 38.3% | 15.0% | 2025 |
| 663 | 4003 | BORSTAL JAIL | Bin Qasim | 26.7% | 15.0% | 2025 |
| 664 | 3195 | Ittehad Cottage | Baldia | 18.0% | 15.0% | 2025 |
| 665 | 3029 | International Gum | Uthal | 45.4% | 15.0% | 2025 |
| 666 | 215 | Labour Square | North Karachi | 26.8% | 15.0% | 2025 |

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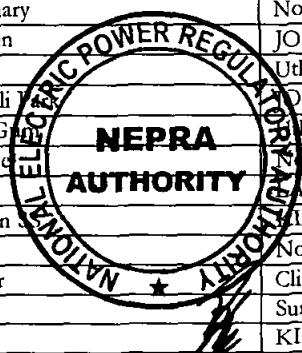
Annex - S

| | | | | | | |
|-----|------|---------------------------|---------------|-------|-------|------|
| 667 | 417 | Hashimabad Society | JOHAR-2 | 42.7% | 15.0% | 2025 |
| 668 | 1300 | Pakistan Ice | LAYARI-II | 25.8% | 15.0% | 2025 |
| 669 | 408 | Al Azhar Garden | JOHAR-2 | 72.5% | 15.0% | 2025 |
| 670 | 403 | Sahafi Colony | GADAP | 35.5% | 15.0% | 2025 |
| 671 | 3111 | Pili Bheet CHS | JOHAR-2 | 35.5% | 15.0% | 2025 |
| 672 | 828 | Alamgir | SITE | 58.5% | 15.0% | 2025 |
| 673 | 712 | Paramount Flour | KIMZ | 61.2% | 15.0% | 2024 |
| 674 | 3057 | Chotta Malir | JOHAR-2 | 44.8% | 15.0% | 2025 |
| 675 | 683 | Lawrence Appartments | LAYARI-II | 21.5% | 15.0% | 2025 |
| 676 | 3456 | Summit Bank + Cap 3 | North Karachi | 62.1% | 15.0% | 2025 |
| 677 | 879 | Yousuf Goth | Surjani | 88.3% | 15.0% | 2024 |
| 678 | 3029 | International Gum | Uthal | 41.0% | 15.0% | 2025 |
| 679 | 3334 | Punjabi Saudagran | JOHAR-2 | 34.0% | 15.0% | 2025 |
| 680 | 3541 | Ghanchi Para | LAYARI-II | 34.9% | 15.0% | 2024 |
| 681 | 658 | TTC | N.Nazimabad | 29.4% | 15.0% | 2025 |
| 682 | 560 | Fatima Barucha | Nazimabad | 25.2% | 15.0% | 2025 |
| 683 | 397 | Bismillah Market | JOHAR-2 | 26.4% | 15.0% | 2025 |
| 684 | 3448 | Alkaram | North Karachi | 67.1% | 15.0% | 2025 |
| 685 | 1345 | Raja Poultry Farm | Bin Qasim | 56.3% | 15.0% | 2025 |
| 686 | 3857 | Humayun Saghir | Uthal | 43.7% | 15.0% | 2025 |
| 687 | 304 | Globe Center | JOHAR-1 | 27.1% | 15.0% | 2025 |
| 688 | 3441 | Pakistan Steel | GADAP | 28.6% | 15.0% | 2024 |
| 689 | 3539 | Allah Noor Apartment | Gulshan | 47.7% | 15.0% | 2025 |
| 690 | 3489 | Sweeper Quarter | Bahadurabad | 29.0% | 15.0% | 2025 |
| 691 | 1350 | Ever Green + Cap1 | Surjani | 23.4% | 15.0% | 2025 |
| 692 | 1240 | MA Muhammadi | Korangi | 65.1% | 15.0% | 2025 |
| 693 | 884 | Al Watan | Surjani | 52.5% | 15.0% | 2024 |
| 694 | 3752 | AL-HAMRA | N.Nazimabad | 24.2% | 15.0% | 2025 |
| 695 | 466 | Hand Tool | KIMZ | 30.5% | 15.0% | 2025 |
| 696 | 3030 | Degash | Uthal | 46.5% | 15.0% | 2025 |
| 697 | 316 | Orient Building | Gulshan | 21.8% | 15.0% | 2025 |
| 698 | 3294 | KDA Pole 13 + Cap1 | N.Nazimabad | 28.8% | 15.0% | 2025 |
| 699 | 3149 | Faizur e Rehman MU | SITE | 36.4% | 15.0% | 2025 |
| 700 | 1160 | SUPARCO Road | Baldia | 26.2% | 15.0% | 2025 |
| 701 | 397 | Bismillah Market | GADAP | 27.6% | 15.0% | 2025 |
| 702 | 583 | Adam Hingora Goth | Malir | 84.7% | 15.0% | 2024 |
| 703 | 344 | Kohistan Builders | F. B. Area | 25.9% | 15.0% | 2025 |
| 704 | 670 | Khando Goth | N.Nazimabad | 33.1% | 15.0% | 2025 |
| 705 | 3419 | Johar Complex | JOHAR-2 | 28.2% | 15.0% | 2025 |
| 706 | 430 | Ghalib Cinema | Korangi | 71.9% | 15.0% | 2024 |
| 707 | 473 | Ali Ice | Korangi | 76.1% | 15.0% | 2024 |
| 708 | 2114 | FIA RMU | Garden | 23.0% | 15.0% | 2025 |
| 709 | 3057 | Chotta Malir | JOHAR-2 | 25.8% | 15.0% | 2025 |
| 710 | 671 | Marhaba Glaxay | N.Nazimabad | 20.0% | 15.0% | 2025 |
| 711 | 3120 | Pak Scientific | JOHAR-2 | 45.1% | 15.0% | 2025 |
| 712 | 3338 | Mansoor Sher | Baldia | 28.4% | 15.0% | 2024 |
| 713 | 3918 | Delux Town | GADAP | 72.8% | 15.0% | 2025 |
| 714 | 2023 | Bana Palace | F. B. Area | 23.0% | 15.0% | 2025 |
| 715 | 430 | Ghalib Cinema | Korangi | 36.4% | 15.0% | 2024 |
| 716 | 628 | Paradise Colony | North Karachi | 22.5% | 15.0% | 2025 |
| 717 | 2035 | HEF School | Liaquatabad | 35.5% | 15.0% | 2024 |
| 718 | 124 | Saudabad Pumping | Malir | 27.0% | 15.0% | 2025 |
| 719 | 23 | Tanzeem Toheed Commercial | Defence | 49.7% | 15.0% | 2025 |
| 720 | 3029 | International Gum | Uthal | 33.7% | 15.0% | 2025 |
| 721 | 2061 | KANUPP Pumping | Baldia | 27.9% | 15.0% | 2024 |
| 722 | 313 | Rufi Paradise | JOHAR-1 | 19.0% | 15.0% | 2025 |
| 723 | 749 | Barness Street | LAYARI-II | 39.4% | 15.0% | 2025 |
| 724 | 3449 | Pole 10 | North Karachi | 21.7% | 15.0% | 2025 |
| 725 | 1118 | Hikmat Institute | Orangi-I | 42.0% | 15.0% | 2024 |
| 726 | 3031 | Pawel Cel | Uthal | 46.6% | 15.0% | 2025 |
| 727 | 50 | Islamic Mission SS | KIMZ | 60.2% | 15.0% | 2025 |

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Annex - S

| | | | | | | |
|-----|------|---------------------------|---------------|-------|-------|------|
| 728 | 2119 | Baba Wilayat Ali Shah | Shah Faisal | 30.6% | 15.0% | 2025 |
| 729 | 3500 | Saima Villas I | Surjani | 27.6% | 15.0% | 2025 |
| 730 | 632 | Pole17 | North Karachi | 29.1% | 15.0% | 2024 |
| 731 | 1303 | Jelani Centre | LAYARI-I | 43.5% | 15.0% | 2025 |
| 732 | 3606 | Mangalabad | Uthal | 63.3% | 15.0% | 2025 |
| 733 | 341 | Alliance Arcade | JOHAR-1 | 38.9% | 15.0% | 2025 |
| 734 | 57 | Sheikh Brothers | KIMZ | 22.6% | 15.0% | 2025 |
| 735 | 525 | Deh Landhi | Bin Qasim | 86.0% | 15.0% | 2025 |
| 736 | 3541 | Ghanchi Para | LAYARI-II | 34.3% | 15.0% | 2024 |
| 737 | 620 | Haroon Heights + Cap 5 | North Karachi | 21.6% | 15.0% | 2025 |
| 738 | 119 | Bagh e Malir | Malir | 37.4% | 15.0% | 2024 |
| 739 | 3059 | Afnan Deplux | JOHAR-1 | 40.5% | 15.0% | 2025 |
| 740 | 1318 | Poly Trade | Bin Qasim | 40.9% | 15.0% | 2025 |
| 741 | 3409 | Baraf Khana | Malir | 35.4% | 15.0% | 2024 |
| 742 | 2061 | KANUPP Pumping | Baldia | 26.4% | 15.0% | 2025 |
| 743 | 3745 | Al-Ghafoor Atrium Tower | New Karachi | 25.3% | 15.0% | 2025 |
| 744 | 3319 | Faiz Murce RMU | Defence | 45.5% | 15.0% | 2025 |
| 745 | 2061 | KANUPP Pumping | Baldia | 22.5% | 15.0% | 2025 |
| 746 | 647 | SM Obaid | North Karachi | 30.4% | 15.0% | 2025 |
| 747 | 3184 | Jumma Khan RMU | Uthal | 32.8% | 15.0% | 2025 |
| 748 | 3031 | Pawel Cel | Uthal | 49.5% | 15.0% | 2025 |
| 749 | 282 | Falak Naz | Shah Faisal | 21.3% | 15.0% | 2025 |
| 750 | 2070 | Ibrahim Nafecs | Malir | 20.0% | 15.0% | 2025 |
| 751 | 1303 | Jelani Centre | JOHAR-1 | 18.5% | 15.0% | 2025 |
| 752 | 3031 | Pawel Cel | Uthal | 53.0% | 15.0% | 2025 |
| 753 | 865 | Al Mumtaz | Orangi-I | 80.4% | 15.0% | 2025 |
| 754 | 1193 | State Bank Banglows | Saddar | 37.4% | 15.0% | 2025 |
| 755 | 188 | RP Confectionary | North Karachi | 37.4% | 15.0% | 2025 |
| 756 | 354 | Noman Heaven | JOHAR-1 | 23.7% | 15.0% | 2025 |
| 757 | 3606 | Mangalabad | Uthal | 69.3% | 15.0% | 2025 |
| 758 | 851 | Muhammad Ali | JOHAR-1 | 31.5% | 15.0% | 2025 |
| 759 | 3029 | International G | Uthal | 38.4% | 15.0% | 2025 |
| 760 | 3840 | Naseem Textile | North Karachi | 57.7% | 15.0% | 2025 |
| 761 | 573 | Lea Market | LAYARI-II | 24.7% | 15.0% | 2025 |
| 762 | 50 | Islamic Mission | KIMZ | 34.3% | 15.0% | 2025 |
| 763 | 3834 | Terry World | North Karachi | 26.3% | 15.0% | 2025 |
| 764 | 91 | Shaista Builder | Clifton | 22.8% | 15.0% | 2025 |
| 765 | 879 | Yousuf Goth | Surjani | 41.3% | 15.0% | 2024 |
| 766 | 3588 | Pearl Fabric | KIMZ | 30.8% | 15.0% | 2025 |
| 767 | 3184 | Jumma Khan RMU | Uthal | 66.2% | 15.0% | 2025 |
| 768 | 209 | Tamuria Library (Block H) | N.Nazimabad | 26.8% | 15.0% | 2025 |
| 769 | 162 | M Talemul Quran | Bin Qasim | 78.0% | 15.0% | 2025 |
| 770 | 18 | NR Colony | Defence | 18.6% | 15.0% | 2025 |
| 771 | 3412 | Madras Society | JOHAR-2 | 35.4% | 15.0% | 2025 |
| 772 | 261 | Lashari Goth | Bin Qasim | 70.2% | 15.0% | 2025 |
| 773 | 3233 | Crystal Ice | North Karachi | 50.5% | 15.0% | 2025 |
| 774 | 20 | Clifton 2 | Clifton | 25.0% | 15.0% | 2025 |
| 775 | 1240 | MA Muhammadi | Korangi | 44.7% | 15.0% | 2025 |
| 776 | 3030 | Degash | Uthal | 41.1% | 15.0% | 2025 |
| 777 | 3417 | Senator Mazhar | GADAP | 93.4% | 15.0% | 2024 |
| 778 | 3414 | BOSE | Nazimabad | 27.6% | 15.0% | 2025 |
| 779 | 569 | Naval Flat | LAYARI-II | 23.4% | 15.0% | 2025 |
| 780 | 3751 | FAYSAL GARMENT | North Karachi | 42.6% | 15.0% | 2025 |
| 781 | 639 | Maraqba Hall | New Karachi | 28.2% | 15.0% | 2025 |
| 782 | 2158 | PNR Colony | Baldia | 18.0% | 15.0% | 2025 |
| 783 | 6 | Bombay Co | Saddar | 27.8% | 15.0% | 2025 |
| 784 | 3461 | Ismailia Flats | Nazimabad | 22.0% | 15.0% | 2025 |
| 785 | 3693 | Shah Waliullah | LAYARI-I | 19.3% | 15.0% | 2025 |
| 786 | 3030 | Degash | Uthal | 35.7% | 15.0% | 2025 |
| 787 | 3737 | Saif Company | SITE | 85.1% | 15.0% | 2025 |
| 788 | 433 | Rustum Ice | KIMZ | 71.2% | 15.0% | 2025 |



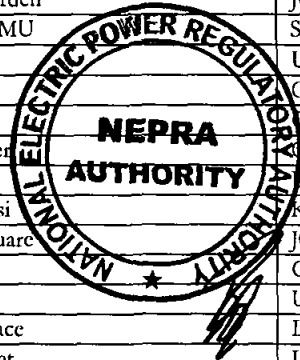
Annex - S

| | | | | | | |
|-----|------|-------------------------------------|---------------|--------|-------|------|
| 789 | 1301 | Rauf Oil | LAYARI-II | 34.0% | 15.0% | 2024 |
| 790 | 3598 | New Iqbalabad (old Ruby Decoration) | Shah Faisal | 22.4% | 15.0% | 2025 |
| 791 | 354 | Noman Heaven | JOHAR-1 | 23.0% | 15.0% | 2025 |
| 792 | 3283 | Gulshan e Shiraz | Surjani | 34.1% | 15.0% | 2025 |
| 793 | 3459 | Hadi Market | Nazimabad | 31.0% | 15.0% | 2024 |
| 794 | 243 | Saleem Terrace | LAYARI-II | 29.3% | 15.0% | 2025 |
| 795 | 2148 | Rasheed Sons | SITE | 69.1% | 15.0% | 2025 |
| 796 | 609 | ACME Industry | SITE | 36.1% | 15.0% | 2025 |
| 797 | 665 | National Center | Orangi-I | 26.5% | 15.0% | 2025 |
| 798 | 2103 | UBL Flats SS | Garden | 29.3% | 15.0% | 2025 |
| 799 | 2061 | KANUPP Pumping | Baldia | 26.5% | 15.0% | 2025 |
| 800 | 3419 | Johar Complex | JOHAR-2 | 27.7% | 15.0% | 2025 |
| 801 | 98 | Milk Plant | Bahadurabad | 27.9% | 15.0% | 2025 |
| 802 | 327 | Aziz Bhatti Park | Gulshan | 22.2% | 15.0% | 2025 |
| 803 | 591 | Malir Defence | Shah Faisal | 20.6% | 15.0% | 2025 |
| 804 | 163 | Friends PMT | Bin Qasim | 57.1% | 15.0% | 2025 |
| 805 | 443 | Vocational Institute | Korangi | 50.7% | 15.0% | 2024 |
| 806 | 162 | M Taleemul Quran | Bin Qasim | 71.7% | 15.0% | 2025 |
| 807 | 207 | Block N | N.Nazimabad | 41.9% | 15.0% | 2025 |
| 808 | 3704 | Zaki Cottages | Surjani | 22.8% | 15.0% | 2025 |
| 809 | 3458 | Moon net | North Karachi | 48.9% | 15.0% | 2025 |
| 810 | 795 | Hamdard | Nazimabad | 19.9% | 15.0% | 2025 |
| 811 | 3029 | International Gum | Uthal | 39.5% | 15.0% | 2025 |
| 812 | 408 | Al Azhar Garden | JOHAR-2 | 79.5% | 15.0% | 2025 |
| 813 | 243 | Saleem Terrace | LAYARI-II | 21.2% | 15.0% | 2025 |
| 814 | 3874 | POSH CRAFT | North Karachi | 29.5% | 15.0% | 2025 |
| 815 | 737 | Bank Quarter | Saddar | 30.1% | 15.0% | 2025 |
| 816 | 345 | Askari 5 | JOHAR-1 | 21.0% | 15.0% | 2025 |
| 817 | 3164 | Gabol Town | North Karachi | 25.0% | 15.0% | 2025 |
| 818 | 3185 | Lateef Jute | Uthal | 41.5% | 15.0% | 2025 |
| 819 | 1196 | Wonder Brand | F. B. Area | 44.1% | 15.0% | 2025 |
| 820 | 3044 | Zam Zam | KIMZ | 73.0% | 15.0% | 2025 |
| 821 | 3299 | Abdul Waheed | Tipu Sultan | 24.7% | 15.0% | 2025 |
| 822 | 681 | New Nehar Road | JOHAR-1 | 24.8% | 15.0% | 2025 |
| 823 | 3529 | Abdullah Mo | Surjani | 28.5% | 15.0% | 2025 |
| 824 | 3285 | Night Slum | LAYARI-II | 29.1% | 15.0% | 2024 |
| 825 | 403 | Sahafi Colony | GADAP | 32.1% | 15.0% | 2025 |
| 826 | 472 | Rehmania Masjid | Korangi | 47.3% | 15.0% | 2025 |
| 827 | 430 | Ghalib Cinema | Korangi | 74.3% | 15.0% | 2024 |
| 828 | 856 | Awami Autos | JOHAR-1 | 17.0% | 15.0% | 2026 |
| 829 | 653 | Karaka Pk | North Karachi | 27.3% | 15.0% | 2026 |
| 830 | 3351 | Junaid Trade Center | LAYARI-I | 20.9% | 15.0% | 2026 |
| 831 | 1240 | MA Muhammadi | Korangi | 69.3% | 15.0% | 2026 |
| 832 | 2055 | Bus Terminal | Baldia | 20.8% | 15.0% | 2026 |
| 833 | 3606 | Mangalabad | Uthal | 51.7% | 15.0% | 2026 |
| 834 | 3029 | International Gum | Uthal | 37.3% | 15.0% | 2026 |
| 835 | 2186 | Tajjeen | SITE | 23.0% | 15.0% | 2026 |
| 836 | 3184 | Jumma Khan RMU | Uthal | 36.5% | 15.0% | 2026 |
| 837 | 379 | Jenica Center | Garden | 25.8% | 15.0% | 2026 |
| 838 | 2119 | Baba Wilayat Ali Shah | Shah Faisal | 27.4% | 15.0% | 2026 |
| 839 | 865 | Al Mumtaz | Orangi-I | 33.7% | 15.0% | 2026 |
| 840 | 608 | Shafi Tenary | SITE | 100.0% | 15.0% | 2026 |
| 841 | 1286 | Ghaniabad | GADAP | 36.9% | 15.0% | 2026 |
| 842 | 2070 | Ibrahim Nafecs | Malir | 34.0% | 15.0% | 2024 |
| 843 | 3497 | Javed Metal | North Karachi | 40.6% | 15.0% | 2026 |
| 844 | 3466 | Anwar ul uloom | F. B. Area | 24.9% | 15.0% | 2026 |
| 845 | 206 | Rukkiya SS | F. B. Area | 19.5% | 15.0% | 2026 |
| 846 | 671 | Marhaba Glaxay | N.Nazimabad | 17.5% | 15.0% | 2026 |
| 847 | 99 | Bara Dari + Cap2 | Gulshan | 31.2% | 15.0% | 2026 |
| 848 | 3030 | Degash | Uthal | 47.1% | 15.0% | 2026 |
| 849 | 443 | Vocational Institute | Korangi | 50.1% | 15.0% | 2024 |

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Annex - S

| | | | | | | |
|-----|------|------------------------|---------------|-------|-------|------|
| 850 | 1318 | Poly Trade | Bin Qasim | 71.5% | 15.0% | 2026 |
| 851 | 3362 | Ambala | Tipu Sultan | 40.3% | 15.0% | 2026 |
| 852 | 160 | NM Poultry | Bin Qasim | 77.8% | 15.0% | 2026 |
| 853 | 680 | Bengal Oil | LAYARI-I | 18.4% | 15.0% | 2026 |
| 854 | 4111 | SIDDIQUE GOTH | Surjani | 34.5% | 15.0% | 2026 |
| 855 | 408 | Al Azhar Garden | JOHAR-2 | 57.7% | 15.0% | 2026 |
| 856 | 1266 | Federal Capital 4 | Liaquatabad | 21.7% | 15.0% | 2026 |
| 857 | 1171 | Kemari Center | Clifton | 33.8% | 15.0% | 2026 |
| 858 | 226 | DEH Shah Murced | GADAP | 56.1% | 15.0% | 2026 |
| 859 | 405 | Asphalt Plant | GADAP | 55.7% | 15.0% | 2024 |
| 860 | 3704 | Zaki Cottages | Surjani | 30.3% | 15.0% | 2026 |
| 861 | 3283 | Gulshan e Shiraz | Surjani | 36.7% | 15.0% | 2026 |
| 862 | 628 | Paradise Colony | North Karachi | 20.4% | 15.0% | 2026 |
| 863 | 742 | Muslim Garden | LAYARI-I | 18.1% | 15.0% | 2026 |
| 864 | 119 | Bagh e Malir | Malir | 53.0% | 15.0% | 2024 |
| 865 | 226 | DEH Shah Murced | GADAP | 63.1% | 15.0% | 2026 |
| 866 | 8 | Hira Appartment | Saddar | 19.5% | 15.0% | 2026 |
| 867 | 3541 | Ghanchi Para | LAYARI-II | 30.4% | 15.0% | 2024 |
| 868 | 505 | Zeenat Baloch | Tipu Sultan | 32.8% | 15.0% | 2026 |
| 869 | 3346 | Nasir Saleem | Defence | 41.1% | 15.0% | 2026 |
| 870 | 3158 | Al Wajid Town | Orangi-I | 23.0% | 15.0% | 2026 |
| 871 | 326 | Exhibition | Gulshan | 24.2% | 15.0% | 2026 |
| 872 | 639 | Maraqba Hall | New Karachi | 26.7% | 15.0% | 2026 |
| 873 | 1297 | Zia Uddin | N.Nazimabad | 20.5% | 15.0% | 2026 |
| 874 | 3028 | Balochistan Board | Uthal | 38.7% | 15.0% | 2026 |
| 875 | 1242 | Tasveer Mahal RMU | Korangi | 57.5% | 15.0% | 2024 |
| 876 | 408 | Al Azhar Garden | JOHAR-2 | 63.7% | 15.0% | 2026 |
| 877 | 2039 | Sufi Hotel RMU | SITE | 19.9% | 15.0% | 2026 |
| 878 | 3606 | Mangalabad | Uthal | 35.6% | 15.0% | 2026 |
| 879 | 3384 | Masan Road | Clifton | 57.8% | 15.0% | 2026 |
| 880 | 3600 | Mianwali | Orangi-I | 71.2% | 15.0% | 2026 |
| 881 | 2174 | Ocean Center | Clifton | 20.1% | 15.0% | 2026 |
| 882 | 3031 | Pawel Ccl | Uthal | 33.0% | 15.0% | 2026 |
| 883 | 1243 | Sohail Shamsi | Korangi | 59.4% | 15.0% | 2024 |
| 884 | 305 | Sheraton Square | JOHAR-2 | 37.1% | 15.0% | 2026 |
| 885 | 228 | Agha Shahi | GADAP | 78.5% | 15.0% | 2026 |
| 886 | 3030 | Degash | Uthal | 32.6% | 15.0% | 2026 |
| 887 | 243 | Saleem Terrace | LAYARI-II | 27.6% | 15.0% | 2026 |
| 888 | 749 | Barness Street | LAYARI-II | 40.7% | 15.0% | 2026 |
| 889 | 3120 | Pak Scientific | JOHAR-2 | 48.2% | 15.0% | 2026 |
| 890 | 3351 | Junaid Trade Center | LAYARI-I | 22.1% | 15.0% | 2026 |
| 891 | 803 | H Nizamuddin + Cap | SITE | 17.8% | 15.0% | 2026 |
| 892 | 710 | Omni Bus SS | Korangi | 82.4% | 15.0% | 2024 |
| 893 | 843 | Sattar Chamber | JOHAR-1 | 19.9% | 15.0% | 2026 |
| 894 | 3497 | Javed Metal | North Karachi | 51.8% | 15.0% | 2026 |
| 895 | 433 | Rustum Ice | KIMZ | 39.4% | 15.0% | 2026 |
| 896 | 639 | Maraqba Hall | New Karachi | 22.9% | 15.0% | 2026 |
| 897 | 3404 | Aim Sons | SITE | 22.0% | 15.0% | 2026 |
| 898 | 3497 | Javed Metal | North Karachi | 50.3% | 15.0% | 2026 |
| 899 | 682 | Ana Crown | LAYARI-II | 32.6% | 15.0% | 2026 |
| 900 | 657 | Paposh Nagar | Nazimabad | 23.9% | 15.0% | 2026 |
| 901 | 3075 | Iqra Complex | JOHAR-1 | 28.4% | 15.0% | 2026 |
| 902 | 3585 | Anwar Mama | KIMZ | 46.3% | 15.0% | 2026 |
| 903 | 3030 | Degash | Uthal | 45.4% | 15.0% | 2026 |
| 904 | 879 | Yousuf Goth | Surjani | 49.4% | 15.0% | 2024 |
| 905 | 406 | Pioneer | JOHAR-2 | 21.6% | 15.0% | 2026 |
| 906 | 442 | Gas Trubine | KIMZ | 44.9% | 15.0% | 2026 |
| 907 | 3956 | Lubna Farm | GADAP | 82.9% | 15.0% | 2024 |
| 908 | 3461 | Ismailia Flats | Nazimabad | 22.7% | 15.0% | 2026 |
| 909 | 917 | Police Training Center | Baldia | 87.9% | 15.0% | 2026 |
| 910 | 2051 | Noori Baba RMU | Bahadurabad | 23.6% | 15.0% | 2026 |

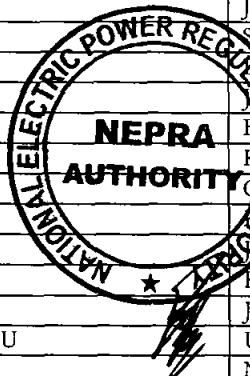


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Annex - S

| | | | | | | |
|-----|------|-------------------------------------|---------------|-------|-------|------|
| 911 | 3541 | Ghanchi Para | LAYARI-II | 26.8% | 15.0% | 2026 |
| 912 | 3300 | King Hatchery | Bin Qasim | 95.8% | 15.0% | 2026 |
| 913 | 348 | Suleman Plaza | Gulshan | 28.8% | 15.0% | 2026 |
| 914 | 344 | Kohistan Builders | F. B. Area | 23.0% | 15.0% | 2026 |
| 915 | 3283 | Gulshan e Shiraz | Surjani | 35.2% | 15.0% | 2026 |
| 916 | 881 | Sahiban | Surjani | 26.3% | 15.0% | 2026 |
| 917 | 163 | Friends PMT | Bin Qasim | 27.1% | 15.0% | 2026 |
| 918 | 1242 | Tasveer Mahal RMU | Korangi | 25.8% | 15.0% | 2026 |
| 919 | 525 | Deh Landhi | Bin Qasim | 54.2% | 15.0% | 2026 |
| 920 | 3874 | POSH CRAFT | North Karachi | 35.1% | 15.0% | 2026 |
| 921 | 36 | National Fiber 2 | KIMZ | 25.0% | 15.0% | 2026 |
| 922 | 1284 | Century Engr | North Karachi | 34.5% | 15.0% | 2026 |
| 923 | 741 | Independent News | Saddar | 22.2% | 15.0% | 2026 |
| 924 | 370 | Jacobline Cmplx 1 | Bahadurabad | 25.9% | 15.0% | 2026 |
| 925 | 195 | Abbas Square | F. B. Area | 25.6% | 15.0% | 2026 |
| 926 | 680 | Bengal Oil | LAYARI-I | 18.0% | 15.0% | 2026 |
| 927 | 66 | Carlton Hotel | Defence | 39.6% | 15.0% | 2026 |
| 928 | 851 | Muhammad Ali Park | JOHAR-1 | 18.9% | 15.0% | 2026 |
| 929 | 573 | Lea Market | LAYARI-II | 31.6% | 15.0% | 2026 |
| 930 | 228 | Agha Shahi | GADAP | 43.0% | 15.0% | 2026 |
| 931 | 1137 | Shalimar Garden | Garden | 27.7% | 15.0% | 2026 |
| 932 | 2058 | Chattai Ground | Malir | 40.0% | 15.0% | 2024 |
| 933 | 272 | Hafiz Sweets | Malir | 53.7% | 15.0% | 2024 |
| 934 | 3283 | Gulshan e Shiraz | Surjani | 41.8% | 15.0% | 2026 |
| 935 | 3109 | Grama Phone | SITE | 17.5% | 15.0% | 2026 |
| 936 | 742 | Muslim Garden | LAYARI-I | 18.3% | 15.0% | 2026 |
| 937 | 1240 | MA Muhammadi | Korangi | 48.5% | 15.0% | 2026 |
| 938 | 3558 | Memon CHS | JOHAR-2 | 24.5% | 15.0% | 2026 |
| 939 | 801 | National Spining | SITE | 39.0% | 15.0% | 2026 |
| 940 | 680 | Bengal Oil | LAYARI-I | 17.7% | 15.0% | 2026 |
| 941 | 401 | Teacher Society | JOHAR-2 | 67.3% | 15.0% | 2026 |
| 942 | 525 | Deh Landhi | Bin Qasim | 29.0% | 15.0% | 2026 |
| 943 | 442 | Gas Trubine | KIMZ | 33.8% | 15.0% | 2026 |
| 944 | 1118 | Hikmat Institute | Qasbi-I | 48.4% | 15.0% | 2024 |
| 945 | 3841 | Khalid Enterprise | KIMZ | 26.7% | 15.0% | 2026 |
| 946 | 409 | Green Land City | JOHAR-2 | 20.9% | 15.0% | 2026 |
| 947 | 712 | Paramount Flour | KIMZ | 72.2% | 15.0% | 2024 |
| 948 | 1308 | Nawabad | JOHAR-1 | 21.4% | 15.0% | 2026 |
| 949 | 3184 | Jumma Khan RMU | Uthal | 33.5% | 15.0% | 2026 |
| 950 | 3327 | Falcon House | North Karachi | 20.1% | 15.0% | 2026 |
| 951 | 3 | Defence 10 | Defence | 97.2% | 15.0% | 2026 |
| 952 | 75 | Coastal Street | Defence | 19.4% | 15.0% | 2026 |
| 953 | 3598 | New Iqbalabad (old Ruby Decoration) | Shah Faisal | 20.0% | 15.0% | 2026 |
| 954 | 3283 | Gulshan e Shiraz | Surjani | 50.4% | 15.0% | 2026 |
| 955 | 1177 | Army Housing 9 | Gulshan | 42.3% | 15.0% | 2026 |
| 956 | 638 | Country Tower | North Karachi | 20.4% | 15.0% | 2026 |
| 957 | 3466 | Anwar ul uloom | F. B. Area | 25.1% | 15.0% | 2026 |
| 958 | 313 | Rufi Paradise | JOHAR-1 | 17.9% | 15.0% | 2026 |
| 959 | 1293 | Asghar Shah | N.Nazimabad | 29.4% | 15.0% | 2026 |
| 960 | 226 | DEH Shah Mureed | GADAP | 67.7% | 15.0% | 2026 |
| 961 | 3750 | GARISHON | North Karachi | 20.6% | 15.0% | 2026 |
| 962 | 3879 | Tulip Tower | JOHAR-2 | 61.5% | 15.0% | 2026 |
| 963 | 3283 | Gulshan e Shiraz | Surjani | 62.2% | 15.0% | 2026 |
| 964 | 3412 | Madras Society | JOHAR-2 | 22.5% | 15.0% | 2026 |
| 965 | 815 | Haiderly Wood | SITE | 50.6% | 15.0% | 2026 |
| 966 | 3956 | Lubna Farm | GADAP | 88.0% | 15.0% | 2024 |
| 967 | 3704 | Zaki Cottages | Surjani | 21.9% | 15.0% | 2026 |
| 968 | 3060 | Mashriq Society | GADAP | 20.3% | 15.0% | 2026 |
| 969 | 1299 | Barma Oil | JOHAR-1 | 18.1% | 15.0% | 2026 |
| 970 | 1301 | Rauf Oil | LAYARI-II | 37.5% | 15.0% | 2024 |
| 971 | 3029 | International Gum | Uthal | 49.4% | 15.0% | 2026 |



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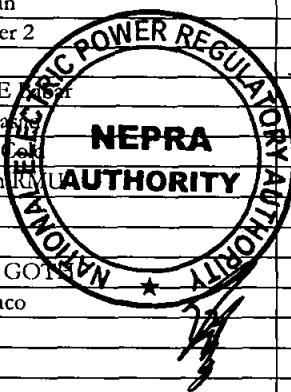
Annex - S

| | | | | | | |
|------|------|--------------------------|---------------|-------|-------|------|
| 972 | 3507 | Kernaal Basti | Bahadurabad | 34.4% | 15.0% | 2026 |
| 973 | 3166 | Euro Gulf | North Karachi | 28.4% | 15.0% | 2026 |
| 974 | 374 | Mehbob Chamber | Saddar | 25.1% | 15.0% | 2026 |
| 975 | 4111 | SIDDIQUE GOTH | Surjani | 36.9% | 15.0% | 2026 |
| 976 | 3441 | Pakistan Steel | GADAP | 33.6% | 15.0% | 2024 |
| 977 | 3185 | Lateef Jute | Uthal | 39.0% | 15.0% | 2026 |
| 978 | 887 | Twakkal Enterprize | North Karachi | 17.4% | 15.0% | 2026 |
| 979 | 3458 | Moon net | North Karachi | 24.5% | 15.0% | 2026 |
| 980 | 78 | KDA Flats | Clifton | 24.4% | 15.0% | 2026 |
| 981 | 865 | Al Mumtaz | Orangi-I | 56.5% | 15.0% | 2026 |
| 982 | 3284 | Royal City | Surjani | 27.8% | 15.0% | 2026 |
| 983 | 608 | Shafi Tenary | SITE | 28.3% | 15.0% | 2026 |
| 984 | 3956 | Lubna Farm | GADAP | 97.0% | 15.0% | 2024 |
| 985 | 3140 | Asim Industries | Orangi-I | 38.6% | 15.0% | 2024 |
| 986 | 1112 | Landhi Chawl | Saddar | 35.1% | 15.0% | 2026 |
| 987 | 3184 | Jumma Khan RMU | Uthal | 59.5% | 15.0% | 2026 |
| 988 | 1305 | New Khumarwara | LAYARI-II | 32.7% | 15.0% | 2024 |
| 989 | 3262 | Jubilee Gate | JOHAR-1 | 23.6% | 15.0% | 2026 |
| 990 | 3704 | Zaki Cottages | Surjani | 23.0% | 15.0% | 2026 |
| 991 | 226 | DEH Shah Mureed | GADAP | 58.1% | 15.0% | 2026 |
| 992 | 3149 | Faizur e Rehman RMU | SITE | 20.5% | 15.0% | 2026 |
| 993 | 683 | Lawrence Appartments | LAYARI-II | 23.8% | 15.0% | 2026 |
| 994 | 553 | Al Murtaza | Nazimabad | 25.8% | 15.0% | 2026 |
| 995 | 1571 | Tel Exchange | Malir | 88.0% | 15.0% | 2026 |
| 996 | 3061 | Merit Society | GADAP | 31.3% | 15.0% | 2024 |
| 997 | 3044 | Zam Zam | KIMZ | 39.3% | 15.0% | 2026 |
| 998 | 228 | Agha Shahi | GADAP | 69.3% | 15.0% | 2026 |
| 999 | 1229 | Decent Garden | JOHAR-1 | 44.9% | 15.0% | 2026 |
| 1000 | 3874 | POSH CRAFT | North Karachi | 34.3% | 15.0% | 2026 |
| 1001 | 3616 | Dairy Queen | Surjani | 89.0% | 15.0% | 2024 |
| 1002 | 3870 | Pak Land | JOHAR-2 | 63.5% | 15.0% | 2026 |
| 1003 | 2098 | 33E OH Pole | Korangi | 72.5% | 15.0% | 2026 |
| 1004 | 3030 | Degash | Uthal | 39.5% | 15.0% | 2026 |
| 1005 | 525 | Deh Landhi | Bin Qasim | 39.4% | 15.0% | 2026 |
| 1006 | 3416 | Pipe Factory | Gulshan | 25.7% | 15.0% | 2026 |
| 1007 | 628 | Paradise Colony | North Karachi | 19.9% | 15.0% | 2026 |
| 1008 | 867 | Pole 49 | Orangi-I | 23.4% | 15.0% | 2026 |
| 1009 | 573 | Lea Market | LAYARI-II | 20.8% | 15.0% | 2026 |
| 1010 | 308 | Geological Survey | JOHAR-1 | 19.6% | 15.0% | 2026 |
| 1011 | 433 | Rustum Ice | KIMZ | 56.0% | 15.0% | 2026 |
| 1012 | 677 | Moosa Lane RMU | LAYARI-II | 42.4% | 15.0% | 2024 |
| 1013 | 879 | Yousuf Goth | Surjani | 89.5% | 15.0% | 2024 |
| 1014 | 1171 | Kemari Center | Clifton | 29.9% | 15.0% | 2026 |
| 1015 | 3475 | Capital Society 01 | JOHAR-2 | 55.8% | 15.0% | 2026 |
| 1016 | 34 | National Fiber 1 | KIMZ | 73.0% | 15.0% | 2026 |
| 1017 | 3111 | Pili Bheet CHS | JOHAR-2 | 30.5% | 15.0% | 2026 |
| 1018 | 3539 | Allah Noor Apartment | Gulshan | 19.2% | 15.0% | 2026 |
| 1019 | 3481 | Qader Khan | JOHAR-1 | 27.8% | 15.0% | 2026 |
| 1020 | 2178 | Naveena Indus | SITE | 20.1% | 15.0% | 2026 |
| 1021 | 1318 | Poly Trade | Bin Qasim | 75.8% | 15.0% | 2026 |
| 1022 | 113 | Naval Housing 5 | Tipu Sultan | 26.4% | 15.0% | 2026 |
| 1023 | 327 | Aziz Bhatti Park | Gulshan | 18.9% | 15.0% | 2026 |
| 1024 | 682 | Ana Crown | LAYARI-II | 28.3% | 15.0% | 2026 |
| 1025 | 2152 | Masjid e Quba RMU | Shah Faisal | 20.9% | 15.0% | 2026 |
| 1026 | 3836 | Siddique Akbar RMU | Landhi | 28.3% | 15.0% | 2026 |
| 1027 | 3723 | Maxmius | Baldia | 50.7% | 15.0% | 2024 |
| 1028 | 471 | Comperhencive School | Korangi | 24.1% | 15.0% | 2026 |
| 1029 | 3030 | Degash | Uthal | 42.4% | 15.0% | 2026 |
| 1030 | 3470 | Iqbal Plaza | North Karachi | 21.0% | 15.0% | 2026 |
| 1031 | 281 | Superior Science College | Shah Faisal | 17.0% | 15.0% | 2026 |
| 1032 | 549 | Golden Star | Liaquatabad | 17.1% | 15.0% | 2026 |

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Annex - S

| | | | | | | |
|------|------|---------------------------|---------------|-------|-------|------|
| 1033 | 813 | Shah E Karbala | Nazimabad | 25.4% | 15.0% | 2026 |
| 1034 | 542 | Nazimabad 3 | Nazimabad | 19.2% | 15.0% | 2026 |
| 1035 | 847 | Union Cold Storage | JOHAR-1 | 27.6% | 15.0% | 2026 |
| 1036 | 1243 | Sohail Shamsi | Korangi | 54.5% | 15.0% | 2024 |
| 1037 | 472 | Rehmania Masjid | Korangi | 79.7% | 15.0% | 2026 |
| 1038 | 664 | Block A Pumping | N.Nazimabad | 20.8% | 15.0% | 2026 |
| 1039 | 3442 | Rupali RMU | GADAP | 54.8% | 15.0% | 2024 |
| 1040 | 354 | Noman Heaven | JOHAR-1 | 23.5% | 15.0% | 2026 |
| 1041 | 1205 | Shamim Apartment | F. B. Area | 21.3% | 15.0% | 2026 |
| 1042 | 589 | Deh Kathore | Malir | 47.3% | 15.0% | 2026 |
| 1043 | 2087 | Sultanabad Police Station | Orangi-I | 32.1% | 15.0% | 2024 |
| 1044 | 3030 | Degash | Uthal | 44.0% | 15.0% | 2026 |
| 1045 | 774 | MFMY + Cap5 | SITE | 26.4% | 15.0% | 2026 |
| 1046 | 583 | Adam Hingora Goth | Malir | 71.4% | 15.0% | 2024 |
| 1047 | 652 | Zaib un Nisa | North Karachi | 23.3% | 15.0% | 2026 |
| 1048 | 3315 | Square 1 | Gulshan | 23.9% | 15.0% | 2026 |
| 1049 | 1572 | Pole 58 | Malir | 37.1% | 15.0% | 2026 |
| 1050 | 3016 | Maskan | Gulshan | 24.8% | 15.0% | 2026 |
| 1051 | 3475 | Capital Society 01 | JOHAR-2 | 31.6% | 15.0% | 2026 |
| 1052 | 3626 | Musharaf Colony RMU | Baldia | 31.1% | 15.0% | 2026 |
| 1053 | 656 | Sheharyar Clinic + Cap1 | N.Nazimabad | 17.0% | 15.0% | 2026 |
| 1054 | 642 | RT Plaza | N.Nazimabad | 18.1% | 15.0% | 2026 |
| 1055 | 851 | Muhammad Ali Park | JOHAR-1 | 27.8% | 15.0% | 2026 |
| 1056 | 1262 | Mansehra Colony | Bin Qasim | 18.9% | 15.0% | 2026 |
| 1057 | 3010 | Rampat Road | LAYARI-I | 17.4% | 15.0% | 2026 |
| 1058 | 3842 | Al Ather Mian | SITE | 23.6% | 15.0% | 2026 |
| 1059 | 36 | National Fiber 2 | KIMZ | 37.1% | 15.0% | 2026 |
| 1060 | 345 | Askari 5 | JOHAR-1 | 19.3% | 15.0% | 2026 |
| 1061 | 3393 | Kiosk 3 Kh E | Defence | 38.3% | 15.0% | 2026 |
| 1062 | 472 | Rehmania Masjid | Korangi | 56.6% | 15.0% | 2026 |
| 1063 | 1336 | Commercial | LAYARI-II | 37.8% | 15.0% | 2024 |
| 1064 | 3184 | Jumma Khan RMU | Uthal | 44.3% | 15.0% | 2026 |
| 1065 | 3031 | Pawel Cel | Uthal | 45.0% | 15.0% | 2026 |
| 1066 | 70 | Sheikh Zaid | Defence | 28.5% | 15.0% | 2026 |
| 1067 | 4111 | SIDDIQUE GOTH | Surjani | 35.0% | 15.0% | 2026 |
| 1068 | 465 | Lakson Tobacco | KIMZ | 77.7% | 15.0% | 2026 |
| 1069 | 881 | Sahiban | Surjani | 24.3% | 15.0% | 2026 |
| 1070 | 3031 | Pawel Cel | Uthal | 51.5% | 15.0% | 2026 |
| 1071 | 3915 | Ferrari | Baldia | 24.1% | 15.0% | 2026 |
| 1072 | 3606 | Mangalabad | Uthal | 63.4% | 15.0% | 2026 |
| 1073 | 1262 | Mansehra Colony | Bin Qasim | 23.1% | 15.0% | 2026 |
| 1074 | 3618 | Nazar Ali Wells | Malir | 33.3% | 15.0% | 2024 |
| 1075 | 1240 | MA Muhammadi | Korangi | 19.1% | 15.0% | 2026 |
| 1076 | 240 | Hoti Market | Garden | 19.0% | 15.0% | 2026 |
| 1077 | 310 | PHA Housing | JOHAR-1 | 19.6% | 15.0% | 2026 |
| 1078 | 3541 | Ghanchi Para | LAYARI-II | 24.1% | 15.0% | 2026 |
| 1079 | 865 | Al Mumtaz | Orangi-I | 67.2% | 15.0% | 2026 |
| 1080 | 433 | Rustum Ice | KIMZ | 41.9% | 15.0% | 2026 |
| 1081 | 3030 | Degash | Uthal | 30.0% | 15.0% | 2026 |
| 1082 | 3031 | Pawel Cel | Uthal | 48.6% | 15.0% | 2026 |
| 1083 | 3184 | Jumma Khan RMU | Uthal | 47.2% | 15.0% | 2026 |
| 1084 | 4091 | STEEL-X | North Karachi | 37.8% | 15.0% | 2026 |
| 1085 | 3149 | Faizur e Rehman RMU | Orangi-I | 49.6% | 15.0% | 2026 |
| 1086 | 795 | Hamdard | Nazimabad | 21.1% | 15.0% | 2026 |
| 1087 | 573 | Lea Market | LAYARI-II | 25.5% | 15.0% | 2026 |
| 1088 | 571 | Machar Colony | LAYARI-I | 35.3% | 15.0% | 2026 |
| 1089 | 4013 | Amalgamated Foods | KIMZ | 44.7% | 15.0% | 2026 |
| 1090 | 3408 | Ayubbia Commercial | Defence | 86.7% | 15.0% | 2026 |
| 1091 | 3539 | Allah Noor Apartment | Gulshan | 18.9% | 15.0% | 2026 |
| 1092 | 348 | Suleman Plaza | Gulshan | 33.1% | 15.0% | 2026 |
| 1093 | 3458 | Moon net | North Karachi | 25.2% | 15.0% | 2026 |

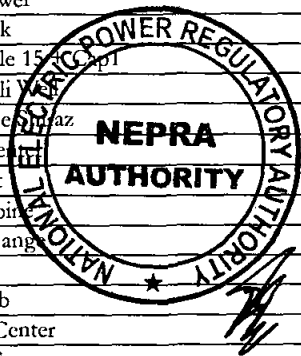


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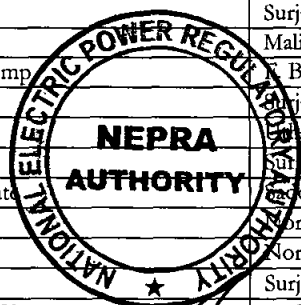
| | | | | | | |
|------|------|------------------------|---------------|-------|-------|------|
| 1094 | 1203 | Farooq e Azam | F. B. Area | 18.9% | 15.0% | 2026 |
| 1095 | 781 | Supreme Steel | SITE | 19.6% | 15.0% | 2026 |
| 1096 | 868 | Mango Pir Road | Orangi-I | 27.2% | 15.0% | 2026 |
| 1097 | 889 | Bright Star | Surjani | 53.0% | 15.0% | 2026 |
| 1098 | 2061 | KANUPP Pumping | Baldia | 29.1% | 15.0% | 2026 |
| 1099 | 3723 | Maxmius | Baldia | 29.1% | 15.0% | 2026 |
| 1100 | 3029 | International Gum | Uthal | 46.8% | 15.0% | 2026 |
| 1101 | 3118 | Mughl e Azam | Gulshan | 22.8% | 15.0% | 2026 |
| 1102 | 455 | Pak Shoes | KIMZ | 43.9% | 15.0% | 2024 |
| 1103 | 1217 | Grand City | JOHAR-1 | 19.5% | 15.0% | 2026 |
| 1104 | 1240 | MA Muhammadi | Korangi | 47.2% | 15.0% | 2026 |
| 1105 | 3419 | Johar Complex | JOHAR-2 | 19.2% | 15.0% | 2026 |
| 1106 | 3584 | Khuda Ki Basti | New Karachi | 31.4% | 15.0% | 2026 |
| 1107 | 3030 | Degash | Uthal | 42.0% | 15.0% | 2026 |
| 1108 | 3419 | Johar Complex | JOHAR-2 | 26.1% | 15.0% | 2026 |
| 1109 | 3070 | Farhan Tower | JOHAR-1 | 16.7% | 15.0% | 2026 |
| 1110 | 671 | Marhaba Glaxay | N.Nazimabad | 47.2% | 15.0% | 2026 |
| 1111 | 881 | Sahiban | Surjani | 71.1% | 15.0% | 2024 |
| 1112 | 3529 | Abdullah More | Surjani | 28.7% | 15.0% | 2026 |
| 1113 | 917 | Police Training Center | Baldia | 40.6% | 15.0% | 2026 |
| 1114 | 1303 | Jelani Centre | LAYARI-I | 19.8% | 15.0% | 2026 |
| 1115 | 508 | Firdous + Cap 1 | Bin Qasim | 17.2% | 15.0% | 2026 |
| 1116 | 455 | Pak Shoes | KIMZ | 24.2% | 15.0% | 2026 |
| 1117 | 3540 | Waqas CNG RMU | Bahadurabad | 38.9% | 15.0% | 2026 |
| 1118 | 683 | Lawrence Appartments | LAYARI-II | 28.6% | 15.0% | 2026 |
| 1119 | 3120 | Pak Scientific | JOHAR-2 | 67.5% | 15.0% | 2026 |
| 1120 | 1123 | Falak Tower | Nazimabad | 20.2% | 15.0% | 2026 |
| 1121 | 653 | Karaka Pk | North Karachi | 36.0% | 15.0% | 2026 |
| 1122 | 3294 | KDA Pole 15 Cap1 | N.Nazimabad | 18.7% | 15.0% | 2026 |
| 1123 | 1155 | Amjad Ali Y | Shah Faisal | 21.1% | 15.0% | 2026 |
| 1124 | 3283 | Gulshan e Shiraz | Surjani | 79.8% | 15.0% | 2026 |
| 1125 | 304 | Globe Centre | JOHAR-1 | 20.3% | 15.0% | 2026 |
| 1126 | 660 | Ali Dolat | N.Nazimabad | 18.1% | 15.0% | 2026 |
| 1127 | 442 | Gas Trubir | KIMZ | 26.9% | 15.0% | 2026 |
| 1128 | 1571 | Tel Exchange | Malir | 92.3% | 15.0% | 2026 |
| 1129 | 845 | EFU | JOHAR-1 | 21.7% | 15.0% | 2026 |
| 1130 | 347 | Al Najeeb | Gulshan | 21.2% | 15.0% | 2026 |
| 1131 | 112 | Empire Center | JOHAR-1 | 22.3% | 15.0% | 2026 |
| 1132 | 1119 | Kavish Crown | Tipu Sultan | 21.0% | 15.0% | 2026 |
| 1133 | 824 | Star Textile | SITE | 25.9% | 15.0% | 2026 |
| 1134 | 3307 | Eajaz a Ansari RMU | Defence | 50.0% | 15.0% | 2026 |
| 1135 | 2152 | Masjid e Quba RMU | Shah Faisal | 20.4% | 15.0% | 2026 |
| 1136 | 1291 | Block G | N.Nazimabad | 27.0% | 15.0% | 2026 |
| 1137 | 119 | Bagh e Malir | Malir | 33.5% | 15.0% | 2024 |
| 1138 | 3184 | Jumma Khan RMU | Uthal | 38.4% | 15.0% | 2026 |
| 1139 | 430 | Ghalib Cinema | Korangi | 33.6% | 15.0% | 2024 |
| 1140 | 3284 | Royal City | New Karachi | 85.0% | 15.0% | 2024 |
| 1141 | 3283 | Gulshan e Shiraz | Surjani | 26.8% | 15.0% | 2026 |
| 1142 | 3256 | Nusrat Bhutto Colony | Orangi-I | 18.2% | 15.0% | 2026 |
| 1143 | 3031 | Pawel Cel | Uthal | 50.1% | 15.0% | 2026 |
| 1144 | 3419 | Johar Complex | JOHAR-2 | 35.0% | 15.0% | 2026 |
| 1145 | 583 | Adam Hingora Goth | Malir | 61.9% | 15.0% | 2024 |
| 1146 | 785 | Mercury Garments | SITE | 78.4% | 15.0% | 2026 |
| 1147 | 3030 | Degash | Uthal | 52.4% | 15.0% | 2026 |
| 1148 | 578 | Alvi Road | LAYARI-II | 23.0% | 15.0% | 2026 |
| 1149 | 1350 | Ever Green + Cap1 | Surjani | 20.2% | 15.0% | 2026 |
| 1150 | 3546 | Sector 10 | KIMZ | 29.4% | 15.0% | 2026 |
| 1151 | 3184 | Jumma Khan RMU | Uthal | 39.0% | 15.0% | 2026 |
| 1152 | 1138 | Duty Free Shop | Tipu Sultan | 23.3% | 15.0% | 2026 |
| 1153 | 865 | Al Mumtaz | Orangi-I | 62.4% | 15.0% | 2026 |
| 1154 | 639 | Maraqba Hall | New Karachi | 21.1% | 15.0% | 2026 |



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| | | | | | | |
|------|------|------------------------|---------------|-------|-------|------|
| 1155 | 3393 | Kiosk 3 Kh E Babar | Defence | 24.2% | 15.0% | 2026 |
| 1156 | 3593 | Naval DDP NHWS | Bin Qasim | 35.1% | 15.0% | 2026 |
| 1157 | 162 | M Talemul Quran | Bin Qasim | 46.3% | 15.0% | 2026 |
| 1158 | 917 | Police Training Center | Baldia | 28.7% | 15.0% | 2026 |
| 1159 | 3091 | Miangiani RMU | Uthal | 52.0% | 15.0% | 2026 |
| 1160 | 3056 | Crown Garden | JOHAR-1 | 42.2% | 15.0% | 2026 |
| 1161 | 3723 | Maxmius | Baldia | 27.7% | 15.0% | 2026 |
| 1162 | 6 | Bombay Co | Saddar | 23.0% | 15.0% | 2026 |
| 1163 | 328 | COD Hills | Gulshan | 25.6% | 15.0% | 2026 |
| 1164 | 1286 | Ghaniabad | GADAP | 29.3% | 15.0% | 2026 |
| 1165 | 565 | Crown Cinema | LAYARI-I | 25.8% | 15.0% | 2026 |
| 1166 | 1250 | Madina Colony | Korangi | 53.7% | 15.0% | 2024 |
| 1167 | 629 | Bilal Town | North Karachi | 17.7% | 15.0% | 2026 |
| 1168 | 1138 | Duty Free Shop | Tipu Sultan | 20.0% | 15.0% | 2026 |
| 1169 | 3737 | Saif Company | SITE | 19.0% | 15.0% | 2026 |
| 1170 | 211 | Habib Foundation | N.Nazimabad | 18.5% | 15.0% | 2026 |
| 1171 | 3351 | Junaid Trade Center | LAYARI-I | 17.8% | 15.0% | 2026 |
| 1172 | 282 | Falak Naz | Shah Faisal | 43.7% | 15.0% | 2026 |
| 1173 | 616 | Lyari Express Way | Baldia | 21.0% | 15.0% | 2026 |
| 1174 | 3874 | POSH CRAFT | North Karachi | 33.9% | 15.0% | 2026 |
| 1175 | 851 | Muhammad Ali Park | JOHAR-1 | 19.3% | 15.0% | 2026 |
| 1176 | 3195 | Ittehad Cottage | Baldia | 31.4% | 15.0% | 2026 |
| 1177 | 359 | Tariq Road | Tipu Sultan | 28.1% | 15.0% | 2026 |
| 1178 | 285 | S M Sadiq | Shah Faisal | 17.1% | 15.0% | 2026 |
| 1179 | 3299 | Abdul Waheed Sohail PN | Tipu Sultan | 55.4% | 15.0% | 2026 |
| 1180 | 304 | Globe Center | JOHAR-1 | 19.3% | 15.0% | 2026 |
| 1181 | 880 | Hyat Baig | Surjani | 42.4% | 15.0% | 2024 |
| 1182 | 2070 | Ibrahim Nafees | Malir | 18.0% | 15.0% | 2026 |
| 1183 | 197 | KMC Water Pump | F. B. Area | 18.4% | 15.0% | 2026 |
| 1184 | 637 | 5E Sector | Surjani | 33.5% | 15.0% | 2026 |
| 1185 | 3031 | Pawel Cel | Uthal | 44.8% | 15.0% | 2026 |
| 1186 | 879 | Yousuf Goth | Surjani | 39.6% | 15.0% | 2024 |
| 1187 | 3424 | Iranian Consulate | Saddar | 87.2% | 15.0% | 2026 |
| 1188 | 627 | Khan Yonus | North Karachi | 17.8% | 15.0% | 2026 |
| 1189 | 629 | Bilal Town | North Karachi | 18.3% | 15.0% | 2026 |
| 1190 | 3529 | Abdullah More | Surjani | 27.1% | 15.0% | 2026 |
| 1191 | 3319 | Faiz Muree RMU | Defence | 50.1% | 15.0% | 2026 |
| 1192 | 814 | Gulf Dyming | SITE | 74.4% | 15.0% | 2026 |
| 1193 | 397 | Bismillah Market | JOHAR-2 | 32.5% | 15.0% | 2026 |
| 1194 | 332 | Askari 3 | JOHAR-1 | 21.1% | 15.0% | 2026 |
| 1195 | 303 | Johar Squire | JOHAR-1 | 22.1% | 15.0% | 2026 |
| 1196 | 1179 | Badar Commercial RMU | Defence | 34.0% | 15.0% | 2026 |
| 1197 | 845 | EFU | JOHAR-1 | 23.7% | 15.0% | 2026 |
| 1198 | 3526 | Kashan e Itfal | Tipu Sultan | 19.8% | 15.0% | 2026 |
| 1199 | 315 | Gulshan Gulshan | Gulshan | 17.5% | 15.0% | 2026 |
| 1200 | 3302 | PSO Mardan Pump | Bin Qasim | 26.8% | 15.0% | 2026 |
| 1201 | 344 | Kohistan Builders | F. B. Area | 19.4% | 15.0% | 2026 |
| 1202 | 594 | Farhat Bagh | Malir | 28.9% | 15.0% | 2026 |
| 1203 | 3030 | Degash | Uthal | 35.9% | 15.0% | 2026 |
| 1204 | 3174 | Kuwait Consulate | Clifton | 17.2% | 15.0% | 2026 |
| 1205 | 3500 | Saima Villas I | Surjani | 24.6% | 15.0% | 2026 |
| 1206 | 3956 | Lubna Farm | GADAP | 27.9% | 15.0% | 2026 |
| 1207 | 3184 | Jumma Khan RMU | Uthal | 38.8% | 15.0% | 2026 |
| 1208 | 4091 | STEEL-X | North Karachi | 50.0% | 15.0% | 2026 |
| 1209 | 742 | Muslim Garden | LAYARI-I | 56.9% | 15.0% | 2026 |
| 1210 | 669 | Nazimabad Post Office | Nazimabad | 19.6% | 15.0% | 2026 |
| 1211 | 542 | Nazimabad 3 | Nazimabad | 30.6% | 15.0% | 2026 |
| 1212 | 1118 | Hikmat Institute | Orangi-I | 22.3% | 15.0% | 2026 |
| 1213 | 241 | Bandoowala | Garden | 18.4% | 15.0% | 2026 |
| 1214 | 397 | Bismillah Market | GADAP | 74.4% | 15.0% | 2026 |
| 1215 | 2008 | Court Road | Saddar | 18.8% | 15.0% | 2026 |



Annex - S

| | | | | | | |
|------|------|-----------------------|---------------|-------|-------|------|
| 1216 | 3343 | Farrah Ali Siddiqui | Defence | 21.9% | 15.0% | 2026 |
| 1217 | 3580 | Hussain | Clifton | 18.8% | 15.0% | 2026 |
| 1218 | 330 | Rub Center | Gulshan | 38.8% | 15.0% | 2026 |
| 1219 | 3501 | Kh e Shujaat | Defence | 44.7% | 15.0% | 2026 |
| 1220 | 3339 | Rabia Petal | JOHAR-2 | 25.5% | 15.0% | 2026 |
| 1221 | 583 | Adam Hingora Goth | Malir | 70.2% | 15.0% | 2024 |
| 1222 | 3441 | Pakistan Steel | GADAP | 39.1% | 15.0% | 2024 |
| 1223 | 331 | Hollywood + Cap2 | Gulshan | 17.6% | 15.0% | 2026 |
| 1224 | 2121 | Bahadur Yar Jang RMU | Garden | 26.5% | 15.0% | 2026 |
| 1225 | 3606 | Mangalabad | Uthal | 62.1% | 15.0% | 2026 |
| 1226 | 3743 | Sallu Garden | Surjani | 26.3% | 15.0% | 2026 |
| 1227 | 3377 | Sunrise Avenue SS 40 | Defence | 28.6% | 15.0% | 2026 |
| 1228 | 3500 | Saima Villas I | Surjani | 22.3% | 15.0% | 2026 |
| 1229 | 3255 | Quary Colony | Orangi-I | 19.5% | 15.0% | 2026 |
| 1230 | 3213 | Rimjhim Tower | JOHAR-2 | 23.3% | 15.0% | 2026 |
| 1231 | 228 | Agha Shahi | GADAP | 40.0% | 15.0% | 2026 |
| 1232 | 2119 | Baba Wilayat Ali Shah | Shah Faisal | 17.7% | 15.0% | 2026 |
| 1233 | 215 | Labour Square | North Karachi | 25.6% | 15.0% | 2026 |
| 1234 | 370 | Jacobline Cmplx 1 | Bahadurabad | 20.6% | 15.0% | 2026 |
| 1235 | 377 | Burns Garden | Saddar | 20.7% | 15.0% | 2026 |
| 1236 | 258 | Capri Cinema | Garden | 22.6% | 15.0% | 2026 |
| 1237 | 3003 | Asio African | SITE | 32.3% | 15.0% | 2026 |
| 1238 | 3166 | Euro Gulf | North Karachi | 33.5% | 15.0% | 2026 |
| 1239 | 1243 | Sohail Shamsi | Korangi | 59.7% | 15.0% | 2024 |
| 1240 | 3441 | Pakistan Steel | GADAP | 79.9% | 15.0% | 2024 |
| 1241 | 259 | Saakro Morr | Bin Qasim | 51.3% | 15.0% | 2026 |
| 1242 | 680 | Bengal Oil | LAYARI-I | 16.7% | 15.0% | 2026 |
| 1243 | 82 | Caltex | Clifton | 25.8% | 15.0% | 2026 |
| 1244 | 855 | Haroon S | JOHAR-1 | 19.7% | 15.0% | 2026 |
| 1245 | 3162 | Regal T | F. B. Area | 27.6% | 15.0% | 2026 |
| 1246 | 347 | Al Najed | Gulshan | 19.6% | 15.0% | 2026 |
| 1247 | 671 | Marhaba Galaxy | N.Nazimabad | 18.3% | 15.0% | 2026 |
| 1248 | 855 | Haroon S | JOHAR-1 | 16.0% | 15.0% | 2026 |
| 1249 | 3492 | Sunny Vohra | Tipu Sultan | 24.7% | 15.0% | 2026 |
| 1250 | 170 | Pak Herald | Saddar | 18.3% | 15.0% | 2026 |
| 1251 | 226 | DEH Shah Murceed | GADAP | 49.1% | 15.0% | 2026 |
| 1252 | 1293 | Asghar Shah | N.Nazimabad | 17.6% | 15.0% | 2026 |
| 1253 | 227 | DEH Hunderwah | GADAP | 63.2% | 15.0% | 2026 |
| 1254 | 3256 | Nusrat Bhutto Colony | Orangi-I | 67.9% | 15.0% | 2026 |
| 1255 | 879 | Yousuf Goth | Surjani | 91.5% | 15.0% | 2024 |
| 1256 | 455 | Pak Shoes | KIMZ | 29.3% | 15.0% | 2026 |
| 1257 | 884 | Al Watan | Surjani | 43.4% | 15.0% | 2024 |
| 1258 | 2008 | Court Road | Saddar | 24.4% | 15.0% | 2026 |
| 1259 | 1301 | Rauf Oil | LAYARI-II | 37.3% | 15.0% | 2026 |
| 1260 | 2086 | Avenue Centre | Saddar | 27.5% | 15.0% | 2026 |
| 1261 | 660 | Ali Dolat | N.Nazimabad | 19.5% | 15.0% | 2026 |
| 1262 | 3449 | Pole 10 | North Karachi | 27.7% | 15.0% | 2026 |
| 1263 | 831 | Jamal Industries | SITE | 23.8% | 15.0% | 2026 |
| 1264 | 587 | Sd Houses | Shah Faisal | 17.5% | 15.0% | 2026 |
| 1265 | 884 | Al Watan | New Karachi | 98.5% | 15.0% | 2024 |
| 1266 | 430 | Ghalib Cinema | Korangi | 35.4% | 15.0% | 2026 |
| 1267 | 3285 | Night Slum | LAYARI-II | 45.6% | 15.0% | 2024 |
| 1268 | 397 | Bismillah Market | GADAP | 23.0% | 15.0% | 2026 |
| 1269 | 3031 | Pawel Cel | Uthal | 48.3% | 15.0% | 2026 |
| 1270 | 3684 | Grey Heights | JOHAR-1 | 17.5% | 15.0% | 2026 |
| 1271 | 3704 | Zaki Cottages | Surjani | 20.1% | 15.0% | 2026 |
| 1272 | 1240 | MA Muhammadi | Korangi | 49.5% | 15.0% | 2026 |
| 1273 | 3120 | Pak Scientific | JOHAR-2 | 23.5% | 15.0% | 2026 |
| 1274 | 3259 | Community | SITE | 16.0% | 15.0% | 2026 |
| 1275 | 3723 | Maxmius | Baldia | 33.6% | 15.0% | 2026 |
| 1276 | 665 | National Center | N.Nazimabad | 18.9% | 15.0% | 2026 |

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Annex - S

| | | | | | | |
|------|------|--------------------------------|---------------|-------|-------|------|
| 1277 | 433 | Rustum Ice | KIMZ | 63.8% | 15.0% | 2026 |
| 1278 | 466 | Hand Tool | KIMZ | 25.9% | 15.0% | 2026 |
| 1279 | 228 | Agha Shahi | GADAP | 56.7% | 15.0% | 2026 |
| 1280 | 1118 | Hikmat Institute | Orangi-I | 23.9% | 15.0% | 2026 |
| 1281 | 3184 | Jumma Khan RMU | Uthal | 32.1% | 15.0% | 2026 |
| 1282 | 1318 | Poly Trade | Bin Qasim | 34.7% | 15.0% | 2026 |
| 1283 | 3417 | Senator Mazhar | GADAP | 59.0% | 15.0% | 2024 |
| 1284 | 3057 | Chotta Malir | JOHAR-2 | 18.1% | 15.0% | 2026 |
| 1285 | 3482 | Car Parking | Defence | 25.6% | 15.0% | 2026 |
| 1286 | 3704 | Zaki Cottages | Surjani | 18.8% | 15.0% | 2026 |
| 1287 | 2051 | Noori Baba RMU | Bahadurabad | 21.8% | 15.0% | 2026 |
| 1288 | 228 | Agha Shahi | GADAP | 56.3% | 15.0% | 2026 |
| 1289 | 3031 | Pawel Cel | Uthal | 50.4% | 15.0% | 2026 |
| 1290 | 1338 | Millat Press | Saddar | 27.2% | 15.0% | 2026 |
| 1291 | 2038 | Ghazi Town | Malir | 76.2% | 15.0% | 2024 |
| 1292 | 31 | Ashiana | Clifton | 20.5% | 15.0% | 2026 |
| 1293 | 3087 | Rabia City 1 | JOHAR-1 | 17.1% | 15.0% | 2026 |
| 1294 | 2058 | Chattai Ground | Malir | 50.1% | 15.0% | 2024 |
| 1295 | 3184 | Jumma Khan RMU | Uthal | 37.8% | 15.0% | 2026 |
| 1296 | 3737 | Saif Company | SITE | 74.8% | 15.0% | 2026 |
| 1297 | 2038 | Ghazi Town | Malir | 44.2% | 15.0% | 2024 |
| 1298 | 8 | Hira Appartment | Saddar | 25.9% | 15.0% | 2026 |
| 1299 | 658 | TTC | N.Nazimabad | 17.4% | 15.0% | 2026 |
| 1300 | 3302 | PSO Mardan Pump | Bin Qasim | 49.8% | 15.0% | 2026 |
| 1301 | 3474 | Olympic Pride (Old Pole 12/13) | Surjani | 21.4% | 15.0% | 2026 |
| 1302 | 1240 | MA Muhammadi | Korangi | 56.2% | 15.0% | 2026 |
| 1303 | 639 | Maraqba Hall | New Karachi | 19.7% | 15.0% | 2026 |
| 1304 | 4091 | STEEL-X | North Karachi | 28.1% | 15.0% | 2026 |
| 1305 | 776 | Orangi Medicos | Orangi-I | 21.1% | 15.0% | 2026 |
| 1306 | 3671 | Diamond City | GADAP | 67.9% | 15.0% | 2024 |
| 1307 | 1240 | MA Muhammadi | Korangi | 74.8% | 15.0% | 2026 |
| 1308 | 3028 | Balochistan Board | Uthal | 38.2% | 15.0% | 2026 |
| 1309 | 3343 | Farrah Ali Siddiqui | Defence | 24.2% | 15.0% | 2026 |
| 1310 | 774 | MFMY + Cap5 | SITE | 19.9% | 15.0% | 2026 |
| 1311 | 2164 | Maymarabad | Surjani | 24.2% | 15.0% | 2026 |
| 1312 | 2061 | KANUPP Pumping | Baldia | 17.1% | 15.0% | 2026 |
| 1313 | 3107 | Srafa Bazar | Liaquatabad | 19.9% | 15.0% | 2026 |
| 1314 | 2065 | Abidabad | Orangi-I | 22.0% | 15.0% | 2026 |
| 1315 | 3011 | Crown Plaza | North Karachi | 17.1% | 15.0% | 2026 |
| 1316 | 1138 | Duty Free Shop | Tipu Sultan | 17.2% | 15.0% | 2026 |
| 1317 | 1205 | Shamim Apartment | F. B. Area | 20.9% | 15.0% | 2026 |
| 1318 | 535 | Quaidabad | Bin Qasim | 15.8% | 15.0% | 2026 |
| 1319 | 305 | Sheraton Square | JOHAR-2 | 24.4% | 15.0% | 2026 |
| 1320 | 3417 | Senator Mazhar | GADAP | 51.4% | 15.0% | 2024 |
| 1321 | 3377 | Sunrise Avenue | Defence | 24.7% | 15.0% | 2026 |
| 1322 | 807 | Bawani Chali + Cap2 | SITE | 39.3% | 15.0% | 2026 |
| 1323 | 3504 | Haji Latif Tanneer | SITE | 24.5% | 15.0% | 2026 |
| 1324 | 4091 | STEEL-X | North Karachi | 28.3% | 15.0% | 2026 |
| 1325 | 1350 | Ever Green + Cap1 | Surjani | 24.4% | 15.0% | 2027 |
| 1326 | 1303 | Jelani Centre | LAYARI-I | 47.5% | 15.0% | 2027 |
| 1327 | 619 | Buffer Zone Pumping | North Karachi | 17.6% | 15.0% | 2027 |
| 1328 | 1299 | Barma Oil | JOHAR-1 | 22.1% | 15.0% | 2027 |
| 1329 | 678 | Old Town RMU 2 | LAYARI-II | 26.4% | 15.0% | 2027 |
| 1330 | 430 | Ghalib Cinema | Korangi | 24.1% | 15.0% | 2027 |
| 1331 | 3030 | Degash | Uthal | 44.4% | 15.0% | 2027 |
| 1332 | 600 | Harmoon Lab | SITE | 16.3% | 15.0% | 2027 |
| 1333 | 3044 | Zam Zam | KIMZ | 27.6% | 15.0% | 2027 |
| 1334 | 884 | Al Watan | Surjani | 25.4% | 15.0% | 2027 |
| 1335 | 3423 | Sunny Side | Saddar | 27.7% | 15.0% | 2027 |
| 1336 | 3750 | GARISHON | North Karachi | 18.2% | 15.0% | 2027 |
| 1337 | 3434 | Askari III | Saddar | 18.0% | 15.0% | 2027 |

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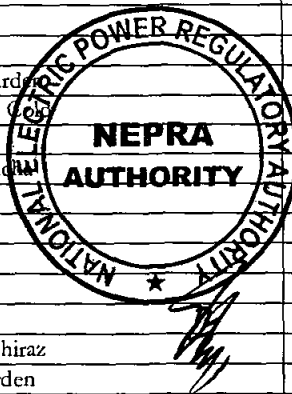
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|------|------|--------------------------|---------------|-------|-------|------|
| 1338 | 3435 | Mehran Tower | JOHAR-2 | 24.5% | 15.0% | 2027 |
| 1339 | 2159 | Decnar House | JOHAR-1 | 21.8% | 15.0% | 2027 |
| 1340 | 3319 | Faiz Murce RMU | Defence | 32.9% | 15.0% | 2027 |
| 1341 | 3682 | Farhan Dream Land | JOHAR-1 | 57.4% | 15.0% | 2027 |
| 1342 | 472 | Rehmania Masjid | Korangi | 66.8% | 15.0% | 2027 |
| 1343 | 1123 | Falak Tower | Nazimabad | 17.7% | 15.0% | 2027 |
| 1344 | 1271 | Abbasi Market | Malir | 44.0% | 15.0% | 2027 |
| 1345 | 600 | Harmoon Lab | SITE | 24.6% | 15.0% | 2027 |
| 1346 | 1213 | NASCOS | Gulshan | 21.6% | 15.0% | 2027 |
| 1347 | 1300 | Pakistan Ice | LAYARI-II | 32.0% | 15.0% | 2027 |
| 1348 | 3028 | Balochistan Board | Uthal | 75.0% | 15.0% | 2027 |
| 1349 | 3091 | Miangiani RMU | Uthal | 64.5% | 15.0% | 2027 |
| 1350 | 3466 | Anwar ul uloom | F. B. Area | 17.0% | 15.0% | 2027 |
| 1351 | 188 | RP Confectionary | North Karachi | 17.1% | 15.0% | 2027 |
| 1352 | 3575 | K-1 Center | Korangi | 85.1% | 15.0% | 2024 |
| 1353 | 4091 | STEEL-X | North Karachi | 84.2% | 15.0% | 2027 |
| 1354 | 851 | Muhammad Ali Park | JOHAR-1 | 17.5% | 15.0% | 2027 |
| 1355 | 3059 | Afnan Deplux | JOHAR-1 | 35.7% | 15.0% | 2027 |
| 1356 | 443 | Vocational Institute | Korangi | 45.8% | 15.0% | 2027 |
| 1357 | 3498 | Lakhani Tower | North Karachi | 40.9% | 15.0% | 2027 |
| 1358 | 506 | NA Builder | Tipu Sultan | 19.1% | 15.0% | 2027 |
| 1359 | 1250 | Madina Colony | Korangi | 55.3% | 15.0% | 2024 |
| 1360 | 3883 | ABDULLAH GABOL VILLAGE | GADAP | 44.8% | 15.0% | 2027 |
| 1361 | 3441 | Pakistan Steel | GADAP | 67.2% | 15.0% | 2024 |
| 1362 | 3920 | Noor Hamza | GADAP | 40.7% | 15.0% | 2027 |
| 1363 | 248 | Adamjee College | Garden | 32.2% | 15.0% | 2027 |
| 1364 | 3584 | Khuda Ki Basti | New Karachi | 22.5% | 15.0% | 2027 |
| 1365 | 625 | Mk Builder | N.Nazimabad | 45.3% | 15.0% | 2027 |
| 1366 | 255 | Odean Center | Saddar | 22.8% | 15.0% | 2027 |
| 1367 | 1240 | MA Muhammadi | Korangi | 23.7% | 15.0% | 2027 |
| 1368 | 1276 | Mes 105 | Malir | 27.5% | 15.0% | 2027 |
| 1369 | 2006 | Mirza Sharif Baig | Saddar | 23.7% | 15.0% | 2027 |
| 1370 | 3540 | Waqas CNG RMU | Bahadurabad | 24.1% | 15.0% | 2027 |
| 1371 | 1584 | Al Burj | Defence | 27.1% | 15.0% | 2027 |
| 1372 | 2119 | Baba Wilayat Akh | Shah Faisal | 19.3% | 15.0% | 2027 |
| 1373 | 712 | Paramount Fl | KIMZ | 57.8% | 15.0% | 2027 |
| 1374 | 3184 | Jumma Khan RMU | Uthal | 42.0% | 15.0% | 2027 |
| 1375 | 408 | Al Azhar Garden | JOHAR-2 | 38.8% | 15.0% | 2027 |
| 1376 | 23 | Tanzeem Tehad Commercial | Defence | 38.9% | 15.0% | 2027 |
| 1377 | 2041 | Quaid Avenue | F. B. Area | 27.4% | 15.0% | 2027 |
| 1378 | 625 | Mk Builder | N.Nazimabad | 17.7% | 15.0% | 2027 |
| 1379 | 3661 | Sector 6B Mehran Town | KIMZ | 83.4% | 15.0% | 2027 |
| 1380 | 3406 | Nagoori Hospital | Garden | 19.2% | 15.0% | 2027 |
| 1381 | 3030 | Degash | Uthal | 41.2% | 15.0% | 2027 |
| 1382 | 3030 | Degash | Uthal | 22.0% | 15.0% | 2027 |
| 1383 | 682 | Ana Crown | LAYARI-II | 35.0% | 15.0% | 2027 |
| 1384 | 228 | Agha Shahi | GADAP | 51.4% | 15.0% | 2027 |
| 1385 | 270 | Sangum Cinema | Shah Faisal | 19.8% | 15.0% | 2027 |
| 1386 | 403 | Sahafi Colony | GADAP | 27.5% | 15.0% | 2027 |
| 1387 | 884 | Al Watan | Surjani | 22.6% | 15.0% | 2027 |
| 1388 | 1281 | Pole21 | North Karachi | 39.1% | 15.0% | 2027 |
| 1389 | 3914 | Karachi Polytechnic | SITE | 16.5% | 15.0% | 2027 |
| 1390 | 430 | Ghalib Cinema | Korangi | 24.7% | 15.0% | 2027 |
| 1391 | 3761 | SS - Builder | JOHAR-1 | 23.2% | 15.0% | 2027 |
| 1392 | 3431 | Danish Kamil | Orangi-II | 18.2% | 15.0% | 2027 |
| 1393 | 3030 | Degash | Uthal | 39.5% | 15.0% | 2027 |
| 1394 | 3057 | Chotta Malir | JOHAR-2 | 19.8% | 15.0% | 2027 |
| 1395 | 3184 | Jumma Khan RMU | Uthal | 44.1% | 15.0% | 2027 |
| 1396 | 3419 | Johar Complex | JOHAR-2 | 22.7% | 15.0% | 2027 |
| 1397 | 1240 | MA Muhammadi | Korangi | 25.7% | 15.0% | 2027 |
| 1398 | 3339 | Rabia Petal | JOHAR-2 | 56.5% | 15.0% | 2027 |

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Annex - S

| | | | | | | |
|------|------|---------------------------|---------------|-------|-------|------|
| 1399 | 3158 | Al Wajid Town | Orangi-I | 37.0% | 15.0% | 2027 |
| 1400 | 403 | Sahafi Colony | GADAP | 72.0% | 15.0% | 2027 |
| 1401 | 3158 | Al Wajid Town | Orangi-I | 40.3% | 15.0% | 2027 |
| 1402 | 1240 | MA Muhammadi | Korangi | 53.5% | 15.0% | 2027 |
| 1403 | 3195 | Ittehad Cottage | Baldia | 18.6% | 15.0% | 2027 |
| 1404 | 185 | Nimco Center | Saddar | 24.2% | 15.0% | 2027 |
| 1405 | 1299 | Barma Oil | JOHAR-1 | 18.8% | 15.0% | 2027 |
| 1406 | 556 | ABC Computer | F. B. Area | 18.5% | 15.0% | 2027 |
| 1407 | 3057 | Chotta Malir | JOHAR-2 | 35.6% | 15.0% | 2027 |
| 1408 | 884 | Al Watan | Surjani | 25.7% | 15.0% | 2027 |
| 1409 | 1571 | Tel Exchange | Malir | 63.7% | 15.0% | 2027 |
| 1410 | 2055 | Bus Terminal | Baldia | 28.8% | 15.0% | 2027 |
| 1411 | 67 | Khy Bukhari | Defence | 54.5% | 15.0% | 2027 |
| 1412 | 1279 | Bashir Chowk | New Karachi | 71.8% | 15.0% | 2024 |
| 1413 | 3398 | HT Pole 5 RMU | Defence | 22.2% | 15.0% | 2027 |
| 1414 | 1301 | Rauf Oil | LAYARI-II | 29.1% | 15.0% | 2027 |
| 1415 | 3540 | Waqas CNG RMU | Bahadurabad | 19.9% | 15.0% | 2027 |
| 1416 | 3626 | Musharaf Colony RMU | Baldia | 22.7% | 15.0% | 2027 |
| 1417 | 153 | KDA 3 | Bin Qasim | 85.7% | 15.0% | 2027 |
| 1418 | 431 | Roti Plant | Korangi | 30.5% | 15.0% | 2027 |
| 1419 | 431 | Roti Plant | Korangi | 58.4% | 15.0% | 2027 |
| 1420 | 843 | Sattar Chamber | JOHAR-1 | 16.9% | 15.0% | 2027 |
| 1421 | 3441 | Pakistan Steel | GADAP | 67.8% | 15.0% | 2027 |
| 1422 | 565 | Crown Cinema | LAYARI-I | 76.5% | 15.0% | 2027 |
| 1423 | 3956 | Lubna Farm | GADAP | 53.6% | 15.0% | 2027 |
| 1424 | 2119 | Baba Wilayat Ali Shah | Shah Faisal | 17.1% | 15.0% | 2027 |
| 1425 | 2114 | FIA RMU | Garden | 22.9% | 15.0% | 2027 |
| 1426 | 3164 | Gabol Town | North Karachi | 58.4% | 15.0% | 2027 |
| 1427 | 3485 | 16th Street | Defence | 22.4% | 15.0% | 2027 |
| 1428 | 3722 | Sheaz Residency | JOHAR-1 | 25.8% | 15.0% | 2027 |
| 1429 | 634 | Today Restaurant | North Karachi | 16.5% | 15.0% | 2027 |
| 1430 | 1240 | MA Muhammadi | Korangi | 39.7% | 15.0% | 2027 |
| 1431 | 3541 | Ghanchi Para | LAYARI-II | 19.6% | 15.0% | 2027 |
| 1432 | 282 | Falak Naz | Shah Faisal | 20.4% | 15.0% | 2027 |
| 1433 | 198 | AL Ayesha | Clifton | 19.6% | 15.0% | 2027 |
| 1434 | 3449 | Pole 10 | North Karachi | 24.6% | 15.0% | 2027 |
| 1435 | 3696 | Burhani Garden | Malir | 49.2% | 15.0% | 2027 |
| 1436 | 1336 | Commercial | LAYARI-II | 25.8% | 15.0% | 2027 |
| 1437 | 3031 | Pawel Cel | Uthal | 36.1% | 15.0% | 2027 |
| 1438 | 560 | Fatima Baruch | Nazimabad | 16.7% | 15.0% | 2027 |
| 1439 | 455 | Pak Shoes | KIMZ | 46.6% | 15.0% | 2027 |
| 1440 | 2108 | Al Nazar SS | Garden | 19.3% | 15.0% | 2027 |
| 1441 | 3031 | Pawel Cel | Uthal | 66.4% | 15.0% | 2027 |
| 1442 | 629 | Bilal Town | North Karachi | 16.6% | 15.0% | 2027 |
| 1443 | 3046 | SGS Karsaz | KIMZ | 61.1% | 15.0% | 2027 |
| 1444 | 3283 | Gulshan e Shiraz | Surjani | 34.8% | 15.0% | 2027 |
| 1445 | 742 | Muslim Garden | LAYARI-I | 22.7% | 15.0% | 2027 |
| 1446 | 1300 | Pakistan Ice | LAYARI-II | 65.9% | 15.0% | 2027 |
| 1447 | 3057 | Chotta Malir | JOHAR-2 | 17.0% | 15.0% | 2027 |
| 1448 | 3233 | Crystal Ice | North Karachi | 17.7% | 15.0% | 2027 |
| 1449 | 3731 | Gul Houses | JOHAR-1 | 25.1% | 15.0% | 2027 |
| 1450 | 3337 | Beach View | Defence | 26.1% | 15.0% | 2027 |
| 1451 | 667 | Firdous Colony | Nazimabad | 35.9% | 15.0% | 2027 |
| 1452 | 769 | Kamran Distributor + Cap6 | SITE | 18.0% | 15.0% | 2027 |
| 1453 | 807 | Bawani Chali + Cap2 | SITE | 69.3% | 15.0% | 2027 |
| 1454 | 736 | Queens Road | Saddar | 41.3% | 15.0% | 2027 |
| 1455 | 845 | EFU | JOHAR-1 | 17.7% | 15.0% | 2027 |
| 1456 | 1578 | Degree Science College | Malir | 49.6% | 15.0% | 2027 |
| 1457 | 1353 | Global City | New Karachi | 49.1% | 15.0% | 2027 |
| 1458 | 3873 | AQSA TOWER | Gulshan | 17.2% | 15.0% | 2027 |
| 1459 | 3195 | Ittehad Cottage | Baldia | 18.3% | 15.0% | 2027 |

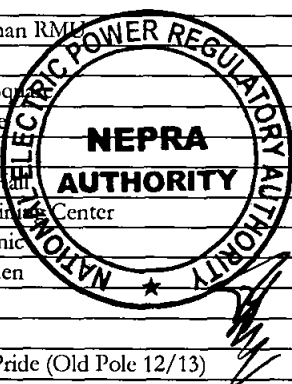


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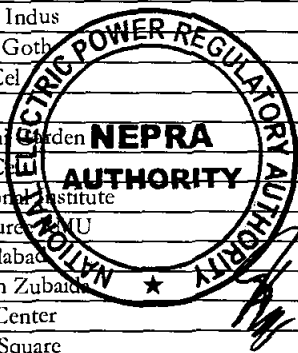
Annex - S

| | | | | | | |
|------|------|--------------------------------|---------------|-------|-------|------|
| 1460 | 3497 | Javed Metal | North Karachi | 33.9% | 15.0% | 2027 |
| 1461 | 3956 | Lubna Farm | GADAP | 60.3% | 15.0% | 2027 |
| 1462 | 3872 | VAY WATER | North Karachi | 44.9% | 15.0% | 2027 |
| 1463 | 442 | Gas Trubine | KIMZ | 26.0% | 15.0% | 2027 |
| 1464 | 851 | Muhammad Ali Park | JOHAR-1 | 16.7% | 15.0% | 2027 |
| 1465 | 815 | Haidery Wood | SITE | 17.5% | 15.0% | 2027 |
| 1466 | 3045 | J1 Area RMU | Korangi | 84.5% | 15.0% | 2027 |
| 1467 | 5 | Defence 7 + Cap1 | Defence | 47.7% | 15.0% | 2027 |
| 1468 | 3743 | Sallu Garden | New Karachi | 56.0% | 15.0% | 2027 |
| 1469 | 3956 | Lubna Farm | GADAP | 29.4% | 15.0% | 2027 |
| 1470 | 417 | Hashimabad Society | JOHAR-2 | 86.5% | 15.0% | 2027 |
| 1471 | 3185 | Lateef Jute | Uthal | 32.3% | 15.0% | 2027 |
| 1472 | 3302 | PSO Mardan Pump | Bin Qasim | 34.3% | 15.0% | 2027 |
| 1473 | 3704 | Zaki Cottages | Surjani | 18.4% | 15.0% | 2027 |
| 1474 | 3149 | Faizur e Rehman RMU | SITE | 96.2% | 15.0% | 2027 |
| 1475 | 188 | RP Confectionary | North Karachi | 17.2% | 15.0% | 2027 |
| 1476 | 399 | Hadiabad | GADAP | 42.4% | 15.0% | 2027 |
| 1477 | 312 | Askari 9 | JOHAR-1 | 15.6% | 15.0% | 2027 |
| 1478 | 3626 | Musharaf Colony RMU | Baldia | 21.2% | 15.0% | 2027 |
| 1479 | 2055 | Bus Terminal | Baldia | 22.4% | 15.0% | 2027 |
| 1480 | 3111 | Pili Bheet CHS | JOHAR-2 | 18.3% | 15.0% | 2027 |
| 1481 | 23 | Tanzeem Toheed Commercial | Defence | 30.2% | 15.0% | 2027 |
| 1482 | 1350 | Ever Green + Cap1 | Surjani | 35.6% | 15.0% | 2027 |
| 1483 | 415 | Rizvia | JOHAR-2 | 34.6% | 15.0% | 2027 |
| 1484 | 637 | 5E Sector | Surjani | 24.7% | 15.0% | 2027 |
| 1485 | 3541 | Ghanchi Para | LAYARI-II | 20.9% | 15.0% | 2027 |
| 1486 | 1276 | Mes 105 | Malir | 63.1% | 15.0% | 2027 |
| 1487 | 3074 | Haroon Royal City | JOHAR-1 | 21.7% | 15.0% | 2027 |
| 1488 | 1281 | Pole21 | North Karachi | 17.1% | 15.0% | 2027 |
| 1489 | 3952 | William Sons | JOHAR-1 | 15.7% | 15.0% | 2027 |
| 1490 | 795 | Hamdard | Nazimabad | 16.7% | 15.0% | 2027 |
| 1491 | 3184 | Jumma Khan RMU | Uthal | 57.6% | 15.0% | 2027 |
| 1492 | 3916 | Amazon | Baldia | 30.5% | 15.0% | 2027 |
| 1493 | 3432 | Nageena Square | N.Nazimabad | 17.9% | 15.0% | 2027 |
| 1494 | 646 | Sherani Ice | North Karachi | 16.3% | 15.0% | 2027 |
| 1495 | 811 | A.B Gases | SITE | 17.5% | 15.0% | 2027 |
| 1496 | 639 | Maragba Hall | New Karachi | 19.5% | 15.0% | 2027 |
| 1497 | 917 | Police Training Center | Baldia | 25.9% | 15.0% | 2027 |
| 1498 | 3603 | Imam Clinic | N.Nazimabad | 16.4% | 15.0% | 2027 |
| 1499 | 3743 | Sallu Garden | Surjani | 36.6% | 15.0% | 2027 |
| 1500 | 3313 | 24th Com | Defence | 30.3% | 15.0% | 2027 |
| 1501 | 884 | Al Watan | Surjani | 28.2% | 15.0% | 2027 |
| 1502 | 3474 | Olympic Pride (Old Pole 12/13) | Surjani | 90.6% | 15.0% | 2027 |
| 1503 | 1285 | Winmark RMU | New Karachi | 16.7% | 15.0% | 2027 |
| 1504 | 3115 | Phonics | JOHAR-1 | 25.7% | 15.0% | 2027 |
| 1505 | 401 | Teacher Society | JOHAR-2 | 58.6% | 15.0% | 2027 |
| 1506 | 3737 | Saif Company | SITE | 46.4% | 15.0% | 2027 |
| 1507 | 742 | Muslim Garden | LAYARI-I | 22.1% | 15.0% | 2027 |
| 1508 | 1198 | UK Square | F. B. Area | 25.6% | 15.0% | 2027 |
| 1509 | 542 | Nazimabad 3 | Nazimabad | 20.6% | 15.0% | 2027 |
| 1510 | 834 | Eastern Film | SITE | 24.3% | 15.0% | 2027 |
| 1511 | 3149 | Faizur e Rehman RMU | SITE | 89.6% | 15.0% | 2027 |
| 1512 | 366 | Palace Theater | Saddar | 37.8% | 15.0% | 2027 |
| 1513 | 403 | Sahafi Colony | GADAP | 22.0% | 15.0% | 2027 |
| 1514 | 3319 | Faiz Murce RMU | Defence | 41.6% | 15.0% | 2027 |
| 1515 | 3729 | Anamta Society | Surjani | 68.6% | 15.0% | 2027 |
| 1516 | 3351 | Junaid Trade Center | LAYARI-I | 21.8% | 15.0% | 2027 |
| 1517 | 3743 | Sallu Garden | New Karachi | 91.3% | 15.0% | 2027 |
| 1518 | 3626 | Musharaf Colony RMU | Baldia | 71.4% | 15.0% | 2027 |
| 1519 | 228 | Agha Shahi | GADAP | 45.2% | 15.0% | 2027 |
| 1520 | 3184 | Jumma Khan RMU | Uthal | 45.3% | 15.0% | 2027 |



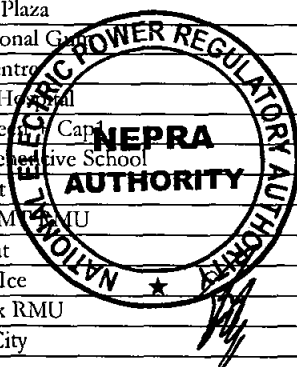
Annex - S

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|------|------|---------------------------|---------------|-------|-------|------|
| 1521 | 3060 | Mashriq Society | GADAP | 20.4% | 15.0% | 2027 |
| 1522 | 3704 | Zaki Cottages | New Karachi | 28.2% | 15.0% | 2027 |
| 1523 | 3028 | Balochistan Board | Uthal | 24.6% | 15.0% | 2027 |
| 1524 | 3122 | Tariq Bin Ziad + CAP B | Malir | 18.6% | 15.0% | 2027 |
| 1525 | 878 | Surjani Tel Exch | Surjani | 20.2% | 15.0% | 2027 |
| 1526 | 1276 | Mes 105 | Malir | 34.0% | 15.0% | 2027 |
| 1527 | 3124 | Sindh Small Industries | Orangi-I | 22.7% | 15.0% | 2027 |
| 1528 | 255 | Odean Center | Saddar | 22.9% | 15.0% | 2027 |
| 1529 | 479 | Associated Glass | KIMZ | 45.0% | 15.0% | 2027 |
| 1530 | 3136 | VIBC Baldia | Baldia | 18.0% | 15.0% | 2027 |
| 1531 | 573 | Lea Market | LAYARI-II | 30.7% | 15.0% | 2027 |
| 1532 | 2159 | Deenar House | JOHAR-1 | 20.6% | 15.0% | 2027 |
| 1533 | 879 | Yousuf Goth | Surjani | 49.0% | 15.0% | 2027 |
| 1534 | 650 | Nice Beaker | North Karachi | 50.4% | 15.0% | 2027 |
| 1535 | 3743 | Sallu Garden | Surjani | 83.6% | 15.0% | 2027 |
| 1536 | 3281 | Ahmed Industry | SITE | 28.2% | 15.0% | 2027 |
| 1537 | 3276 | Sadi Town | JOHAR-2 | 16.1% | 15.0% | 2027 |
| 1538 | 3164 | Gabol Town | North Karachi | 48.6% | 15.0% | 2027 |
| 1539 | 3745 | Al-Ghafoor Atrium Tower | New Karachi | 17.1% | 15.0% | 2027 |
| 1540 | 3546 | Sector 10 | KIMZ | 40.5% | 15.0% | 2027 |
| 1541 | 3606 | Mangalabad | Uthal | 75.9% | 15.0% | 2027 |
| 1542 | 525 | Deh Landhi | Bin Qasim | 29.4% | 15.0% | 2027 |
| 1543 | 3481 | Qader Khan | LAYARI-I | 29.8% | 15.0% | 2027 |
| 1544 | 3184 | Jumma Khan RMU | Uthal | 35.4% | 15.0% | 2027 |
| 1545 | 3046 | SGS Karsaz | KIMZ | 59.2% | 15.0% | 2027 |
| 1546 | 379 | Jenica Center | Garden | 20.1% | 15.0% | 2027 |
| 1547 | 2087 | Sultanabad Police Station | Orangi-I | 23.9% | 15.0% | 2027 |
| 1548 | 228 | Agha Shahi | GADAP | 27.2% | 15.0% | 2027 |
| 1549 | 3606 | Mangalabad | Uthal | 94.5% | 15.0% | 2027 |
| 1550 | 2119 | Baba Wilayat Ali Shah | Shah Faisal | 18.7% | 15.0% | 2027 |
| 1551 | 797 | Mehtab Indus | SITE | 16.5% | 15.0% | 2027 |
| 1552 | 879 | Yousuf Goth | Surjani | 87.5% | 15.0% | 2027 |
| 1553 | 3031 | Pawel Cel | Uthal | 44.7% | 15.0% | 2027 |
| 1554 | 3030 | Degash | Uthal | 34.5% | 15.0% | 2027 |
| 1555 | 3696 | Burhan Garden | Malir | 54.4% | 15.0% | 2027 |
| 1556 | 3031 | Pawel Cel | Uthal | 46.8% | 15.0% | 2027 |
| 1557 | 443 | Vocational Institute | Korangi | 55.6% | 15.0% | 2027 |
| 1558 | 3319 | Faiz Mure | Defence | 28.3% | 15.0% | 2027 |
| 1559 | 3606 | Mangalabad | Uthal | 68.9% | 15.0% | 2027 |
| 1560 | 673 | Gulshan Zubair | N.Nazimabad | 17.6% | 15.0% | 2027 |
| 1561 | 304 | Globe Center | JOHAR-1 | 23.2% | 15.0% | 2027 |
| 1562 | 3341 | Bakshi Square | Liaquatabad | 15.8% | 15.0% | 2027 |
| 1563 | 342 | Sunny View | JOHAR-1 | 32.2% | 15.0% | 2027 |
| 1564 | 3184 | Jumma Khan RMU | Uthal | 42.8% | 15.0% | 2027 |
| 1565 | 3529 | Abdullah More | Surjani | 48.6% | 15.0% | 2027 |
| 1566 | 3276 | Sadi Town | JOHAR-2 | 16.3% | 15.0% | 2027 |
| 1567 | 745 | Handi Craft | Saddar | 19.9% | 15.0% | 2027 |
| 1568 | 78 | KDA Flats | Clifton | 18.1% | 15.0% | 2027 |
| 1569 | 2028 | Bilal Chorangi | Korangi | 20.2% | 15.0% | 2027 |
| 1570 | 3030 | Degash | Uthal | 20.0% | 15.0% | 2027 |
| 1571 | 3184 | Jumma Khan RMU | Uthal | 46.2% | 15.0% | 2027 |
| 1572 | 884 | Al Watan | Surjani | 26.0% | 15.0% | 2027 |
| 1573 | 472 | Rehmania Masjid | Korangi | 66.5% | 15.0% | 2027 |
| 1574 | 3031 | Pawel Cel | Uthal | 46.1% | 15.0% | 2027 |
| 1575 | 3031 | Pawel Cel | Uthal | 21.7% | 15.0% | 2027 |
| 1576 | 51 | Printex | Defence | 23.0% | 15.0% | 2027 |
| 1577 | 3061 | Merit Society | GADAP | 28.3% | 15.0% | 2027 |
| 1578 | 3184 | Jumma Khan RMU | Uthal | 43.3% | 15.0% | 2027 |
| 1579 | 3046 | SGS Karsaz | KIMZ | 31.6% | 15.0% | 2027 |
| 1580 | 807 | Bawani Chali + Cap2 | SITE | 17.2% | 15.0% | 2027 |
| 1581 | 3095 | Bal Foundry | Uthal | 17.0% | 15.0% | 2027 |



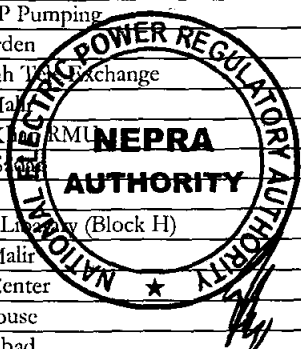
Annex - S

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|------|------|-------------------------------|---------------|-------|-------|------|
| 1582 | 1118 | Hikmat Institute | Orangi-I | 57.9% | 15.0% | 2027 |
| 1583 | 620 | Haroon Heights + Cap 5 | North Karachi | 23.3% | 15.0% | 2027 |
| 1584 | 401 | Teacher Society | JOHAR-2 | 58.3% | 15.0% | 2027 |
| 1585 | 540 | Nazimabad 4 | Nazimabad | 16.6% | 15.0% | 2027 |
| 1586 | 3691 | Safron Engering | Baldia | 19.7% | 15.0% | 2027 |
| 1587 | 3313 | 24th Com | Defence | 50.4% | 15.0% | 2027 |
| 1588 | 1242 | Tasveer Mahal RMU | Korangi | 53.1% | 15.0% | 2027 |
| 1589 | 23 | Tanzeem Toheed Commercial | Defence | 55.6% | 15.0% | 2027 |
| 1590 | 639 | Maraqba Hall | New Karachi | 16.8% | 15.0% | 2027 |
| 1591 | 3319 | Faiz Murce RMU | Defence | 35.7% | 15.0% | 2027 |
| 1592 | 3432 | Nageena Square | N.Nazimabad | 17.1% | 15.0% | 2027 |
| 1593 | 3956 | Lubna Farm | GADAP | 32.0% | 15.0% | 2027 |
| 1594 | 3579 | Faroqui | KIMZ | 22.3% | 15.0% | 2027 |
| 1595 | 636 | Al Ghor | Surjani | 20.7% | 15.0% | 2027 |
| 1596 | 3195 | Ittehad Cottage | Baldia | 16.9% | 15.0% | 2027 |
| 1597 | 3596 | Naz Ice | Nazimabad | 18.2% | 15.0% | 2027 |
| 1598 | 569 | Naval Flat | LAYARI-II | 23.3% | 15.0% | 2027 |
| 1599 | 3840 | Naseem Textile | North Karachi | 19.6% | 15.0% | 2027 |
| 1600 | 359 | Tariq Road | Tipu Sultan | 17.8% | 15.0% | 2027 |
| 1601 | 1240 | MA Muhammadi | Korangi | 57.9% | 15.0% | 2027 |
| 1602 | 884 | Al Watan | Surjani | 19.6% | 15.0% | 2027 |
| 1603 | 3603 | Imam Clinic | N.Nazimabad | 17.0% | 15.0% | 2027 |
| 1604 | 3412 | Madras Society | JOHAR-2 | 20.9% | 15.0% | 2027 |
| 1605 | 257 | Nishter Park + CAP4 | Garden | 21.4% | 15.0% | 2027 |
| 1606 | 3343 | Farrah Ali Siddiqui | Defence | 28.1% | 15.0% | 2027 |
| 1607 | 3030 | Degash | Uthal | 17.5% | 15.0% | 2027 |
| 1608 | 3031 | Pawel Cel | Uthal | 44.3% | 15.0% | 2027 |
| 1609 | 672 | Blessing Plaza | N.Nazimabad | 16.0% | 15.0% | 2027 |
| 1610 | 3029 | International Garden | Uthal | 29.5% | 15.0% | 2027 |
| 1611 | 1303 | Jelani Centre | LAYARI-I | 21.5% | 15.0% | 2027 |
| 1612 | 3565 | Chiniot Hospital | Korangi | 34.6% | 15.0% | 2027 |
| 1613 | 1350 | Ever Green + Cap 1 | Surjani | 30.8% | 15.0% | 2027 |
| 1614 | 471 | Comperchedive School | Korangi | 24.3% | 15.0% | 2027 |
| 1615 | 660 | Ali Dolat | N.Nazimabad | 21.2% | 15.0% | 2027 |
| 1616 | 3627 | EOBI PM RMU | Malir | 26.4% | 15.0% | 2027 |
| 1617 | 339 | Al Azmat | Gulshan | 24.2% | 15.0% | 2027 |
| 1618 | 433 | Rustum Ice | KIMZ | 49.2% | 15.0% | 2027 |
| 1619 | 1285 | Winmark RMU | New Karachi | 89.7% | 15.0% | 2027 |
| 1620 | 1353 | Global City | Surjani | 85.2% | 15.0% | 2027 |
| 1621 | 637 | 5E Sector | Surjani | 43.5% | 15.0% | 2027 |
| 1622 | 505 | Zeenat Baloch | Tipu Sultan | 16.8% | 15.0% | 2027 |
| 1623 | 368 | Hasho Appartment | Garden | 17.4% | 15.0% | 2027 |
| 1624 | 401 | Teacher Society | JOHAR-2 | 33.4% | 15.0% | 2027 |
| 1625 | 884 | Al Watan | Surjani | 20.5% | 15.0% | 2027 |
| 1626 | 3626 | Musharaf Colony RMU | Baldia | 23.6% | 15.0% | 2027 |
| 1627 | 3696 | Burhani Garden | Malir | 57.2% | 15.0% | 2027 |
| 1628 | 882 | Arsalan Homes (Old Sector-L1) | Surjani | 25.5% | 15.0% | 2027 |
| 1629 | 1242 | Tasveer Mahal RMU | Korangi | 43.4% | 15.0% | 2027 |
| 1630 | 314 | Malik Society + Cap 2 | JOHAR-2 | 28.6% | 15.0% | 2027 |
| 1631 | 636 | Al Ghor | Surjani | 19.8% | 15.0% | 2027 |
| 1632 | 680 | Bengal Oil | LAYARI-I | 16.2% | 15.0% | 2027 |
| 1633 | 1174 | Gulshan Faisal | Clifton | 19.2% | 15.0% | 2027 |
| 1634 | 523 | Trust Ceramic | Bin Qasim | 25.2% | 15.0% | 2027 |
| 1635 | 112 | Empire Center | JOHAR-1 | 24.6% | 15.0% | 2027 |
| 1636 | 1573 | Mulla Essa Goth | Malir | 49.4% | 15.0% | 2027 |
| 1637 | 603 | Paracha Textile | SITE | 28.7% | 15.0% | 2027 |
| 1638 | 865 | Al Mumtaz | Orangi-I | 41.3% | 15.0% | 2027 |
| 1639 | 3956 | Lubna Farm | GADAP | 38.0% | 15.0% | 2027 |
| 1640 | 3299 | Abdul Waheed Sohail PN | Tipu Sultan | 21.0% | 15.0% | 2027 |
| 1641 | 3184 | Jumma Khan RMU | Uthal | 34.5% | 15.0% | 2027 |
| 1642 | 314 | Malik Society + Cap 2 | JOHAR-2 | 19.7% | 15.0% | 2027 |



Annex - S

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|------|------|---------------------------|---------------|-------|-------|------|
| 1643 | 3584 | Khuda Ki Basti | New Karachi | 21.1% | 15.0% | 2027 |
| 1644 | 3031 | Pawel Cel | Uthal | 46.5% | 15.0% | 2027 |
| 1645 | 284 | Malir City | Shah Faisal | 16.0% | 15.0% | 2027 |
| 1646 | 2197 | TDC | SITE | 30.1% | 15.0% | 2027 |
| 1647 | 712 | Paramount Flour | KIMZ | 58.0% | 15.0% | 2027 |
| 1648 | 589 | Deh Kathore | Malir | 35.9% | 15.0% | 2027 |
| 1649 | 1205 | Shamim Apartment | F. B. Area | 15.8% | 15.0% | 2027 |
| 1650 | 3075 | Iqra Complex | JOHAR-1 | 16.6% | 15.0% | 2027 |
| 1651 | 671 | Marhaba Glaxay | N.Nazimabad | 16.6% | 15.0% | 2027 |
| 1652 | 642 | RT Plaza | N.Nazimabad | 19.5% | 15.0% | 2027 |
| 1653 | 492 | Anum Classic | Tipu Sultan | 20.5% | 15.0% | 2027 |
| 1654 | 420 | Korangi Tel Exchange 3 | Korangi | 41.9% | 15.0% | 2027 |
| 1655 | 3737 | Saif Company | SITE | 54.9% | 15.0% | 2027 |
| 1656 | 1243 | Sohail Shamsi | Korangi | 39.3% | 15.0% | 2027 |
| 1657 | 1164 | Sector 21 | Baldia | 35.8% | 15.0% | 2027 |
| 1658 | 3233 | Crystal Ice | North Karachi | 15.8% | 15.0% | 2027 |
| 1659 | 3727 | Ahsan Medical Rmu | New Karachi | 33.0% | 15.0% | 2027 |
| 1660 | 3195 | Ittehad Cottage | Baldia | 17.8% | 15.0% | 2027 |
| 1661 | 3465 | Al Khizar Height | JOHAR-1 | 25.3% | 15.0% | 2027 |
| 1662 | 3337 | Beach View | Defence | 31.4% | 15.0% | 2027 |
| 1663 | 1353 | Global City | Surjani | 34.7% | 15.0% | 2027 |
| 1664 | 832 | Shafi&Co | SITE | 45.5% | 15.0% | 2027 |
| 1665 | 834 | Eastern Film | SITE | 16.2% | 15.0% | 2027 |
| 1666 | 3046 | SGS Karsaz | KIMZ | 72.6% | 15.0% | 2027 |
| 1667 | 207 | Block N | N.Nazimabad | 17.8% | 15.0% | 2027 |
| 1668 | 594 | Farhat Bagh | Malir | 19.0% | 15.0% | 2027 |
| 1669 | 547 | AL Karam | Liaquatabad | 15.6% | 15.0% | 2027 |
| 1670 | 3017 | Sindbad + Cap4 | Gulshan | 19.1% | 15.0% | 2027 |
| 1671 | 2061 | KANUPP Pumping | Baldia | 27.0% | 15.0% | 2027 |
| 1672 | 3743 | Sallu Garden | Surjani | 29.2% | 15.0% | 2027 |
| 1673 | 63 | Misri Shah Tel Exchange | Defence | 17.6% | 15.0% | 2027 |
| 1674 | 3057 | Chotta Malir | JOHAR-2 | 40.3% | 15.0% | 2027 |
| 1675 | 3184 | Jumma Khan Rmu | Uthal | 44.1% | 15.0% | 2027 |
| 1676 | 2109 | Awan e Sagar | Saddar | 18.2% | 15.0% | 2027 |
| 1677 | 3414 | BOSE | Nazimabad | 19.7% | 15.0% | 2027 |
| 1678 | 209 | Tamuria Linkway (Block H) | N.Nazimabad | 16.1% | 15.0% | 2027 |
| 1679 | 3057 | Chotta Malir | JOHAR-2 | 22.2% | 15.0% | 2027 |
| 1680 | 185 | Nimco Center | Saddar | 19.6% | 15.0% | 2027 |
| 1681 | 2171 | Army House | Defence | 26.5% | 15.0% | 2027 |
| 1682 | 3606 | Mangalabad | Uthal | 60.2% | 15.0% | 2027 |
| 1683 | 3741 | Muhammad Farooq | JOHAR-2 | 98.7% | 15.0% | 2027 |
| 1684 | 442 | Gas Trubine | KIMZ | 18.9% | 15.0% | 2027 |
| 1685 | 1276 | Mes 105 | Malir | 21.9% | 15.0% | 2027 |
| 1686 | 3313 | 24th Com | Defence | 22.9% | 15.0% | 2027 |
| 1687 | 3030 | Degash | Uthal | 42.6% | 15.0% | 2027 |
| 1688 | 85 | Chapal Luxury | Clifton | 16.9% | 15.0% | 2027 |
| 1689 | 2058 | Chattai Ground | Malir | 36.8% | 15.0% | 2027 |
| 1690 | 397 | Bismillah Market | GADAP | 46.9% | 15.0% | 2027 |
| 1691 | 1303 | Jelani Centre | LAYARI-I | 17.2% | 15.0% | 2027 |
| 1692 | 3028 | Balochistan Board | Uthal | 20.6% | 15.0% | 2027 |
| 1693 | 3490 | Bahdadi | LAYARI-I | 18.8% | 15.0% | 2027 |
| 1694 | 3432 | Nageena Square | N.Nazimabad | 17.2% | 15.0% | 2027 |
| 1695 | 2094 | Agha Khan School | Liaquatabad | 21.3% | 15.0% | 2027 |
| 1696 | 842 | International Packages | JOHAR-1 | 17.2% | 15.0% | 2027 |
| 1697 | 2085 | Sp Edu Cmplx | Orangi-II | 18.3% | 15.0% | 2027 |
| 1698 | 3727 | Ahsan Medical Rmu | Surjani | 34.6% | 15.0% | 2027 |
| 1699 | 417 | Hashimabad Society | JOHAR-2 | 32.7% | 15.0% | 2027 |
| 1700 | 378 | Aram Bagh | Saddar | 17.7% | 15.0% | 2027 |
| 1701 | 884 | Al Watan | Surjani | 27.6% | 15.0% | 2027 |
| 1702 | 881 | Sahiban | Surjani | 48.1% | 15.0% | 2027 |
| 1703 | 3366 | Health Care | New Karachi | 23.6% | 15.0% | 2027 |



Annex - S

| | | | | | | |
|------|------|--------------------------|---------------|-------|-------|------|
| 1704 | 3417 | Senator Mazhar | GADAP | 48.1% | 15.0% | 2027 |
| 1705 | 560 | Fatima Barucha | Nazimabad | 18.4% | 15.0% | 2027 |
| 1706 | 3231 | Urooj Garments | North Karachi | 24.5% | 15.0% | 2027 |
| 1707 | 629 | Bilal Town | North Karachi | 26.5% | 15.0% | 2027 |
| 1708 | 3074 | Haroon Royal City | JOHAR-1 | 16.1% | 15.0% | 2027 |
| 1709 | 704 | Radio Pak 1 | Bin Qasim | 39.1% | 15.0% | 2027 |
| 1710 | 1155 | Amjad Ali Well | Shah Faisal | 16.2% | 15.0% | 2027 |
| 1711 | 302 | Sana Avenue | JOHAR-1 | 26.2% | 15.0% | 2027 |
| 1712 | 3184 | Jumma Khan RMU | Uthal | 40.9% | 15.0% | 2027 |
| 1713 | 804 | Ibrahim Bhai | Orangi-I | 27.8% | 15.0% | 2027 |
| 1714 | 455 | Pak Shoes | KIMZ | 50.5% | 15.0% | 2027 |
| 1715 | 1276 | Mes 105 | Malir | 26.2% | 15.0% | 2027 |
| 1716 | 3230 | Phase 2 (Supper High) | North Karachi | 29.4% | 15.0% | 2027 |
| 1717 | 3302 | PSO Mardan Pump | Bin Qasim | 16.5% | 15.0% | 2027 |
| 1718 | 3604 | Shafiq 2 | F. B. Area | 15.5% | 15.0% | 2027 |
| 1719 | 3312 | Millat Town RMU | KIMZ | 42.1% | 15.0% | 2027 |
| 1720 | 3723 | Maxmius | Baldia | 32.3% | 15.0% | 2027 |
| 1721 | 6 | Bombay Co | Saddar | 16.7% | 15.0% | 2027 |
| 1722 | 3616 | Dairy Queen | Surjani | 30.3% | 15.0% | 2027 |
| 1723 | 62 | Mubarak Masjid | Defence | 44.5% | 15.0% | 2027 |
| 1724 | 3917 | Jacida | Baldia | 18.3% | 15.0% | 2027 |
| 1725 | 3956 | Lubna Farm | GADAP | 17.8% | 15.0% | 2027 |
| 1726 | 580 | Amber Garments | Malir | 33.3% | 15.0% | 2027 |
| 1727 | 23 | Tanzem Toheed Commercial | Defence | 26.3% | 15.0% | 2027 |
| 1728 | 36 | National Fiber 2 | KIMZ | 18.5% | 15.0% | 2027 |
| 1729 | 3493 | DHA Pump | Defence | 45.2% | 15.0% | 2027 |
| 1730 | 3529 | Abdullah More | Surjani | 24.3% | 15.0% | 2027 |
| 1731 | 2163 | Faiza Avenue | North Karachi | 20.5% | 15.0% | 2027 |
| 1732 | 3414 | BOSE | Nazimabad | 15.5% | 15.0% | 2027 |
| 1733 | 3696 | Burhani Garden | Malir | 94.7% | 15.0% | 2027 |
| 1734 | 3091 | Miangiani RMU | Uthal | 71.8% | 15.0% | 2027 |
| 1735 | 3609 | Mono Technics | New Karachi | 16.5% | 15.0% | 2027 |
| 1736 | 1183 | Rimpa Plaza | Garden | 16.4% | 15.0% | 2027 |
| 1737 | 3835 | JIVANI TRADERS | KIMZ | 16.4% | 15.0% | 2027 |
| 1738 | 368 | Hasho Apparels | Garden | 17.2% | 15.0% | 2027 |
| 1739 | 69 | Darakhshan | Defence | 49.2% | 15.0% | 2027 |
| 1740 | 3120 | Pak Scientific | JOHAR-2 | 16.0% | 15.0% | 2027 |
| 1741 | 1240 | MA Muhammad | Korangi | 50.5% | 15.0% | 2027 |
| 1742 | 420 | Korangi Tel Exchange 3 | Korangi | 21.2% | 15.0% | 2027 |
| 1743 | 3095 | Bal Foundry | Uthal | 21.8% | 15.0% | 2027 |
| 1744 | 3917 | Jacida | Baldia | 16.2% | 15.0% | 2027 |
| 1745 | 66 | Carlton Hotel | Defence | 26.5% | 15.0% | 2027 |
| 1746 | 2164 | Maymarabad | Surjani | 16.1% | 15.0% | 2027 |
| 1747 | 281 | Superior Science College | Shah Faisal | 23.8% | 15.0% | 2027 |
| 1748 | 1350 | Ever Green + Cap1 | Surjani | 34.8% | 15.0% | 2027 |
| 1749 | 3030 | Degash | Uthal | 23.8% | 15.0% | 2027 |
| 1750 | 3473 | Al Ghafoor Chalet | Bahadurabad | 16.0% | 15.0% | 2027 |
| 1751 | 3313 | 24th Com | Defence | 25.5% | 15.0% | 2027 |
| 1752 | 643 | Saleem Center | North Karachi | 32.0% | 15.0% | 2027 |
| 1753 | 3606 | Mangalabad | Uthal | 35.9% | 15.0% | 2027 |
| 1754 | 3956 | Lubna Farm | GADAP | 25.4% | 15.0% | 2027 |
| 1755 | 1155 | Amjad Ali Well | Shah Faisal | 17.4% | 15.0% | 2027 |
| 1756 | 3602 | Euro Regent | N.Nazimabad | 15.9% | 15.0% | 2027 |
| 1757 | 3465 | Al Khizar Height | JOHAR-1 | 30.3% | 15.0% | 2027 |
| 1758 | 712 | Paramount Flour | KIMZ | 61.9% | 15.0% | 2027 |
| 1759 | 879 | Yousuf Goth | Surjani | 96.2% | 15.0% | 2027 |
| 1760 | 3030 | Degash | Uthal | 28.3% | 15.0% | 2027 |
| 1761 | 397 | Bismillah Market | GADAP | 15.8% | 15.0% | 2027 |
| 1762 | 3029 | International Gum | Uthal | 37.6% | 15.0% | 2027 |
| 1763 | 206 | Rukkiya SS | F. B. Area | 15.8% | 15.0% | 2027 |
| 1764 | 455 | Pak Shoes | KIMZ | 25.6% | 15.0% | 2027 |

Annex - S

| | | | | | | |
|------|------|---------------------------|-------------|-------|-------|------|
| 1765 | 3057 | Chotta Malir | JOHAR-2 | 19.7% | 15.0% | 2027 |
| 1766 | 1240 | MA Muhammadi | Korangi | 57.3% | 15.0% | 2027 |
| 1767 | 3696 | Burhani Garden | Malir | 27.2% | 15.0% | 2027 |
| 1768 | 2168 | Haji Irshad | Garden | 16.2% | 15.0% | 2027 |
| 1769 | 2087 | Sultanabad Police Station | Orangi-I | 36.7% | 15.0% | 2027 |
| 1770 | 664 | Block A Pumping | N.Nazimabad | 15.5% | 15.0% | 2027 |

Approved list of ABC Rehabilitation (1,536 Nos of PMT's) Schemes

| Sr | Feeder ID | Feeder Name | Area | Loss Before Intervention | Loss After intervention | Execution Year (FY) |
|----|-----------|------------------------------|---------------|--------------------------|-------------------------|---------------------|
| 1 | 3470 | Iqbal Plaza | NORTH KARACHI | 60.7% | 15.0% | 2024 |
| 2 | 735 | Hijrat Colony | SADDAR | 48.7% | 15.0% | 2024 |
| 3 | 736 | Queens Road | SADDAR | 47.1% | 15.0% | 2024 |
| 4 | 3833 | Lodhi House | NORTH KARACHI | 50.6% | 15.0% | 2024 |
| 5 | 3366 | Health Care | NEW KARACHI | 66.4% | 15.0% | 2024 |
| 6 | 1345 | Raja Poultry Farm | BIN QASIM | 62.8% | 15.0% | 2024 |
| 7 | 187 | New Karachi | NORTH KARACHI | 51.2% | 15.0% | 2024 |
| 8 | 197 | KMC Water Pump | F.B. AREA | 46.8% | 15.0% | 2024 |
| 9 | 186 | Basra Soap | F.B. AREA | 68.1% | 15.0% | 2024 |
| 10 | 299 | Chapal Builder | JOHAR-II | 62.9% | 15.0% | 2024 |
| 11 | 295 | Marora Goth | JOHAR-II | 73.8% | 15.0% | 2024 |
| 12 | 3771 | Zakiria - Goth | JOHAR-II | 61.5% | 15.0% | 2024 |
| 13 | 3771 | Zakiria - Goth | JOHAR-II | 67.5% | 15.0% | 2024 |
| 14 | 680 | Bengal Oil | LYARI-I | 64.5% | 15.0% | 2024 |
| 15 | 235 | Ismailia Platinum | GARDEN | 61.2% | 15.0% | 2024 |
| 16 | 235 | Ismailia Platinum | GARDEN | 61.1% | 15.0% | 2024 |
| 17 | 1336 | Commercial Cold | LAYARI-II | 65.2% | 15.0% | 2024 |
| 18 | 244 | Pasban Masjid | SITE | 64.8% | 15.0% | 2024 |
| 19 | 245 | Rexer Lane | SITE | 51.5% | 15.0% | 2024 |
| 20 | 245 | Rexer Lane | SITE | 46.6% | 15.0% | 2024 |
| 21 | 245 | Rexer Lane | SITE | 55.7% | 15.0% | 2024 |
| 22 | 245 | Rexer Lane | SITE | 63.4% | 15.0% | 2024 |
| 23 | 3385 | Rasool Bagh | GARDEN | 45.1% | 15.0% | 2024 |
| 24 | 250 | Qasim Bhai Moosa Bhai + Cap3 | LAYARI-II | 52.1% | 15.0% | 2024 |
| 25 | 250 | Qasim Bhai Moosa Bhai + Cap3 | LAYARI-II | 54.4% | 15.0% | 2024 |
| 26 | 186 | Basra Soap | F.B. AREA | 61.0% | 15.0% | 2024 |
| 27 | 3288 | Bank Alfala | NORTH KARACHI | 51.9% | 15.0% | 2024 |
| 28 | 215 | Labour Square | NORTH KARACHI | 62.6% | 15.0% | 2024 |
| 29 | 3367 | Lal Market | NEW KARACHI | 48.0% | 15.0% | 2024 |
| 30 | 888 | Stylish Garden | NEW KARACHI | 51.9% | 15.0% | 2024 |
| 31 | 623 | Crescent Arcade | NEW KARACHI | 49.0% | 15.0% | 2024 |
| 32 | 1236 | Town Hall | GADAP | 54.0% | 15.0% | 2024 |
| 33 | 645 | Platanium 4 | NEW KARACHI | 46.5% | 15.0% | 2024 |
| 34 | 645 | Platanium 4 | NEW KARACHI | 48.1% | 15.0% | 2024 |
| 35 | 645 | Platanium 4 | NEW KARACHI | 51.5% | 15.0% | 2024 |
| 36 | 632 | Pole17 | NORTH KARACHI | 52.8% | 15.0% | 2024 |

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| | | | | | | |
|----|------|-------------------------------------|---------------|-------|-------|------|
| 37 | 626 | Barkat Market | NORTH KARACHI | 50.2% | 15.0% | 2024 |
| 38 | 632 | Pole17 | NORTH KARACHI | 49.6% | 15.0% | 2024 |
| 39 | 632 | Pole17 | NORTH KARACHI | 49.7% | 15.0% | 2024 |
| 40 | 688 | Huriyat Nagar | ORANGI-I | 62.3% | 15.0% | 2024 |
| 41 | 3392 | Al Fawad Medical | BALDIA | 45.7% | 15.0% | 2024 |
| 42 | 565 | Crown Cinema | LYARI-I | 45.0% | 15.0% | 2024 |
| 43 | 694 | Bijli Nagar | ORANGI-I | 53.5% | 15.0% | 2024 |
| 44 | 694 | Bijli Nagar | ORANGI-I | 53.8% | 15.0% | 2024 |
| 45 | 1118 | Hikmat Institute | ORANGI-I | 63.5% | 15.0% | 2024 |
| 46 | 3871 | Ocean Lawn RMU | NEW KARACHI | 50.4% | 15.0% | 2024 |
| 47 | 649 | Modern Complex | NORTH KARACHI | 48.5% | 15.0% | 2024 |
| 48 | 3148 | Hydro Carbon | SADDAR | 54.7% | 15.0% | 2024 |
| 49 | 186 | Basra Soap | F.B. AREA | 62.2% | 15.0% | 2024 |
| 50 | 3558 | Memon CHS | JOHAR-II | 46.6% | 15.0% | 2024 |
| 51 | 3339 | Rabia Petal | JOHAR-II | 49.0% | 15.0% | 2024 |
| 52 | 3142 | Gulshan View | JOHAR-II | 51.9% | 15.0% | 2024 |
| 53 | 98 | Milk Plant | BAHADURABAD | 53.0% | 15.0% | 2024 |
| 54 | 114 | Chawala Flats | GARDEN | 67.0% | 15.0% | 2024 |
| 55 | 272 | Hafiz Sweets | MALIR | 58.6% | 15.0% | 2024 |
| 56 | 272 | Hafiz Sweets | MALIR | 51.5% | 15.0% | 2024 |
| 57 | 588 | Urdu Nagar | MALIR | 46.9% | 15.0% | 2024 |
| 58 | 3338 | Mansoor Sher | BALDIA | 48.3% | 15.0% | 2024 |
| 59 | 3338 | Mansoor Sher | BALDIA | 53.4% | 15.0% | 2024 |
| 60 | 143 | Kohinoor 2 | BALDIA | 50.6% | 15.0% | 2024 |
| 61 | 143 | Kohinoor 2 | BALDIA | 48.4% | 15.0% | 2024 |
| 62 | 783 | KDA Pump Baldia | BALDIA | 49.5% | 15.0% | 2024 |
| 63 | 144 | Gol Sabcel | BALDIA | 49.9% | 15.0% | 2024 |
| 64 | 134 | Afridi Colony | BALDIA | 50.2% | 15.0% | 2024 |
| 65 | 145 | Sindh Constabulary | BALDIA | 45.7% | 15.0% | 2024 |
| 66 | 1160 | SUPARCO Road P-01 | BALDIA | 48.0% | 15.0% | 2024 |
| 67 | 173 | Vishan Das | GARDEN | 49.1% | 15.0% | 2024 |
| 68 | 3182 | Mundra Chowk 2 | CLIFTON | 47.6% | 15.0% | 2024 |
| 69 | 3402 | Badshah Khan | CLIFTON | 46.2% | 15.0% | 2024 |
| 70 | 1172 | Mundra Chowk | CLIFTON | 50.5% | 15.0% | 2024 |
| 71 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 60.9% | 15.0% | 2024 |
| 72 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 60.9% | 15.0% | 2024 |
| 73 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 56.3% | 15.0% | 2024 |
| 74 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 47.5% | 15.0% | 2024 |
| 75 | 577 | Lyari Tel Exchange | LAYARI-II | 58.7% | 15.0% | 2024 |
| 76 | 1303 | Jelani Centre | LYARI-I | 70.6% | 15.0% | 2024 |
| 77 | 567 | Behar pump | LAYARI-II | 45.7% | 15.0% | 2024 |
| 78 | 1306 | Haji Ismail | LYARI-I | 45.8% | 15.0% | 2024 |
| 79 | 2135 | A One Center | BAHADURABAD | 46.2% | 15.0% | 2024 |
| 80 | 3540 | Waqas CNG RMU | BAHADURABAD | 46.8% | 15.0% | 2024 |

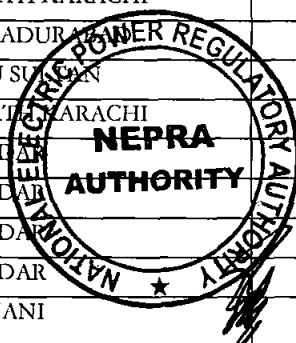
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|-----|------|----------------------------|-----------------|-------|-------|------|
| 81 | 3540 | Waqas CNG RMU | BAHADURABAD | 52.3% | 15.0% | 2024 |
| 82 | 225 | Roshan Bagh | NORTH NAZIMABAD | 54.2% | 15.0% | 2024 |
| 83 | 3143 | Pole 20 | GADAP | 47.3% | 15.0% | 2024 |
| 84 | 659 | Paharganj RMU | NORTH NAZIMABAD | 55.1% | 15.0% | 2024 |
| 85 | 659 | Paharganj RMU | NORTH NAZIMABAD | 71.2% | 15.0% | 2024 |
| 86 | 659 | Paharganj RMU | NORTH NAZIMABAD | 47.9% | 15.0% | 2024 |
| 87 | 659 | Paharganj RMU | NORTH NAZIMABAD | 72.7% | 15.0% | 2024 |
| 88 | 655 | Babul Ilm | NORTH NAZIMABAD | 45.0% | 15.0% | 2024 |
| 89 | 802 | Metroville | ORANGI-I | 61.6% | 15.0% | 2024 |
| 90 | 3507 | Kernaal Basti | BAHADURABAD | 53.0% | 15.0% | 2024 |
| 91 | 46 | Nisar Shaheed Park | DEFENCE | 47.7% | 15.0% | 2024 |
| 92 | 852 | Okhai Memon | LYARI-I | 46.2% | 15.0% | 2024 |
| 93 | 870 | ACIL | ORANGI-I | 49.5% | 15.0% | 2024 |
| 94 | 3331 | Peshawari Ice | TIPU SULTAN | 46.9% | 15.0% | 2024 |
| 95 | 756 | Haji Camp | SADDAR | 55.3% | 15.0% | 2024 |
| 96 | 755 | Cotton Research | SADDAR | 46.7% | 15.0% | 2024 |
| 97 | 442 | Gas Trubine | KIMZ | 59.9% | 15.0% | 2024 |
| 98 | 18 | NR Colony | DEFENCE | 45.4% | 15.0% | 2024 |
| 99 | 1282 | Saifal Goth | GADAP | 65.7% | 15.0% | 2024 |
| 100 | 3233 | Crystal Ice | NORTH KARACHI | 46.7% | 15.0% | 2024 |
| 101 | 648 | Saba Cinema | NORTH KARACHI | 45.7% | 15.0% | 2024 |
| 102 | 649 | Modern Complex | NORTH KARACHI | 50.0% | 15.0% | 2024 |
| 103 | 652 | Zaib un Nisa | NORTH KARACHI | 68.4% | 15.0% | 2024 |
| 104 | 665 | National Center | NORTH NAZIMABAD | 70.6% | 15.0% | 2024 |
| 105 | 665 | National Center | NORTH NAZIMABAD | 46.9% | 15.0% | 2024 |
| 106 | 665 | National Center | NORTH NAZIMABAD | 51.7% | 15.0% | 2024 |
| 107 | 665 | National Center | NORTH NAZIMABAD | 45.6% | 15.0% | 2024 |
| 108 | 662 | State Bank + Cap3 | NORTH NAZIMABAD | 58.9% | 15.0% | 2024 |
| 109 | 666 | Orangi Ice | ORANGI-I | 55.8% | 15.0% | 2024 |
| 110 | 3499 | Shah Sons | SITE | 51.0% | 15.0% | 2024 |
| 111 | 43 | Defence View | DEFENCE | 55.2% | 15.0% | 2024 |
| 112 | 1325 | Pole 70 RMU | KORANGI | 53.3% | 15.0% | 2024 |
| 113 | 2018 | Peetal Gali SS | NORTH NAZIMABAD | 51.1% | 15.0% | 2024 |
| 114 | 1300 | Pakistan Ice | LYARI-II | 47.3% | 15.0% | 2024 |
| 115 | 1300 | Pakistan Ice | LYARI-II | 47.8% | 15.0% | 2024 |
| 116 | 574 | Lyari Center 3 | LYARI-II | 46.3% | 15.0% | 2024 |
| 117 | 1571 | Tel Exchange | MORRIS | 47.4% | 15.0% | 2024 |
| 118 | 666 | Orangi Ice | ORANGI-I | 50.3% | 15.0% | 2024 |
| 119 | 666 | Orangi Ice | ORANGI-I | 58.5% | 15.0% | 2024 |
| 120 | 666 | Orangi Ice | ORANGI-I | 57.6% | 15.0% | 2024 |
| 121 | 666 | Orangi Ice | ORANGI-I | 47.0% | 15.0% | 2024 |
| 122 | 1292 | Shipowner College | NORTH NAZIMABAD | 47.3% | 15.0% | 2024 |
| 123 | 1292 | Shipowner College | NORTH NAZIMABAD | 60.9% | 15.0% | 2024 |
| 124 | 659 | Paharganj RMU | NORTH NAZIMABAD | 45.5% | 15.0% | 2024 |
| 125 | 668 | Mustafabad Pumping Station | NORTH NAZIMABAD | 65.0% | 15.0% | 2024 |
| 126 | 668 | Mustafabad Pumping | NORTH NAZIMABAD | 50.6% | 15.0% | 2024 |

| | | Station | | | | |
|-----|------|---------------------------|-----------------|-------|-------|------|
| 127 | 866 | Blue Bird | NORTH NAZIMABAD | 50.6% | 15.0% | 2024 |
| 128 | 344 | Kohistan Builders | F.B. AREA | 62.2% | 15.0% | 2024 |
| 129 | 344 | Kohistan Builders | F.B. AREA | 62.8% | 15.0% | 2024 |
| 130 | 329 | Mujahid Colony | GULSHAN | 55.2% | 15.0% | 2024 |
| 131 | 329 | Mujahid Colony | GULSHAN | 50.5% | 15.0% | 2024 |
| 132 | 63 | Misri Shah Tele Exchange | DEFENCE | 50.9% | 15.0% | 2024 |
| 133 | 818 | Al Mahroof | NAZIMABAD | 46.9% | 15.0% | 2024 |
| 134 | 568 | Fida Hussain Shaikha Road | LYARI-I | 47.7% | 15.0% | 2024 |
| 135 | 3693 | Shah Waliullah | LYARI-I | 56.6% | 15.0% | 2024 |
| 136 | 360 | PECHS Block II | BAHADURABAD | 45.8% | 15.0% | 2024 |
| 137 | 867 | Pole 49 | ORANGI-I | 47.0% | 15.0% | 2024 |
| 138 | 2071 | Machi Mani | LYARI-I | 51.1% | 15.0% | 2024 |
| 139 | 650 | Nice Beaker | NORTH KARACHI | 58.8% | 15.0% | 2024 |
| 140 | 3383 | Khatri Muslim | NORTH KARACHI | 50.8% | 15.0% | 2024 |
| 141 | 3383 | Khatri Muslim | NORTH KARACHI | 68.5% | 15.0% | 2024 |
| 142 | 1571 | Tel Exchange | MALIR | 65.6% | 15.0% | 2024 |
| 143 | 3489 | Sweeper Quarter | BAHADURABAD | 53.9% | 15.0% | 2024 |
| 144 | 3489 | Sweeper Quarter | BAHADURABAD | 59.8% | 15.0% | 2024 |
| 145 | 370 | Jacobline Cmplx 1 | BAHADURABAD | 54.7% | 15.0% | 2024 |
| 146 | 370 | Jacobline Cmplx 1 | BAHADURABAD | 53.9% | 15.0% | 2024 |
| 147 | 371 | Water Boosting | BAHADURABAD | 51.0% | 15.0% | 2024 |
| 148 | 371 | Water Boosting | BAHADURABAD | 53.8% | 15.0% | 2024 |
| 149 | 2167 | COP RMU | BAHADURABAD | 61.6% | 15.0% | 2024 |
| 150 | 3865 | Knowledge School | NEW KARACHI | 47.0% | 15.0% | 2024 |
| 151 | 3865 | Knowledge School | NEW KARACHI | 58.3% | 15.0% | 2024 |
| 152 | 3865 | Knowledge School | NEW KARACHI | 57.8% | 15.0% | 2024 |
| 153 | 3100 | Al Hira Masjid | NORTH KARACHI | 45.0% | 15.0% | 2024 |
| 154 | 793 | Peerabad | ORANGI-I | 56.8% | 15.0% | 2024 |
| 155 | 793 | Peerabad | ORANGI-I | 50.6% | 15.0% | 2024 |
| 156 | 793 | Peerabad | ORANGI-I | 61.2% | 15.0% | 2024 |
| 157 | 1291 | Block G | NORTH NAZIMABAD | 48.2% | 15.0% | 2024 |
| 158 | 1291 | Block G | NORTH NAZIMABAD | 50.7% | 15.0% | 2024 |
| 159 | 776 | Orangi Medicos | ORANGI-I | 46.0% | 15.0% | 2024 |
| 160 | 677 | Moosa Lane RMU | LAYARI-II | 51.8% | 15.0% | 2024 |
| 161 | 1364 | Dehtasir | SURJANI | 67.9% | 15.0% | 2024 |
| 162 | 1364 | Dehtasir | SURJANI | 50.8% | 15.0% | 2024 |
| 163 | 3745 | Al-Ghafoor Atrium Tower | NEW KARACHI | 55.2% | 15.0% | 2024 |
| 164 | 3600 | Mianwali | ORANGI-I | 62.0% | 15.0% | 2024 |
| 165 | 3616 | Dairy Queen | SURJANI | 56.4% | 15.0% | 2024 |
| 166 | 812 | Old Golimar | SITE | 49.2% | 15.0% | 2024 |
| 167 | 783 | KDA Pump Baldia | BALDIA | 50.1% | 15.0% | 2024 |
| 168 | 783 | KDA Pump Baldia | BALDIA | 50.8% | 15.0% | 2024 |
| 169 | 1118 | Hikmat Institute | ORANGI-I | 45.2% | 15.0% | 2024 |
| 170 | 637 | 5E Sector | NEW KARACHI | 47.0% | 15.0% | 2024 |

Annex - S

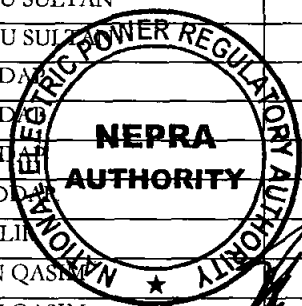
| | | | | | | |
|-----|------|--------------------------------|-----------------|-------|-------|------|
| 171 | 254 | Mazar e Quaid | BAHADURABAD | 48.2% | 15.0% | 2024 |
| 172 | 79 | Shrin Jinah | CLIFTON | 47.9% | 15.0% | 2024 |
| 173 | 82 | Caltex | CLIFTON | 47.4% | 15.0% | 2024 |
| 174 | 1172 | Mundra Chowk | CLIFTON | 53.0% | 15.0% | 2024 |
| 175 | 1172 | Mundra Chowk | CLIFTON | 49.4% | 15.0% | 2024 |
| 176 | 879 | Yousuf Goth | SURJANI | 49.7% | 15.0% | 2024 |
| 177 | 3727 | Ahsan Medical Rmu | SURJANI | 66.6% | 15.0% | 2024 |
| 178 | 3529 | Abdullah More | SURJANI | 49.8% | 15.0% | 2024 |
| 179 | 483 | Ferozabad Police St | TIPU SULTAN | 48.7% | 15.0% | 2024 |
| 180 | 665 | National Center | NORTH NAZIMABAD | 48.8% | 15.0% | 2024 |
| 181 | 3623 | Pole 23 Qaim Khani | BALDIA | 62.6% | 15.0% | 2024 |
| 182 | 1360 | Minister Residency | CLIFTON | 58.3% | 15.0% | 2024 |
| 183 | 3182 | Mundra Chowk 2 | CLIFTON | 47.4% | 15.0% | 2024 |
| 184 | 138 | Masjid e Akbar | BALDIA | 69.5% | 15.0% | 2024 |
| 185 | 73 | Model School | DEFENCE | 50.1% | 15.0% | 2024 |
| 186 | 87 | Poonawala | CLIFTON | 47.9% | 15.0% | 2024 |
| 187 | 87 | Poonawala | CLIFTON | 45.7% | 15.0% | 2024 |
| 188 | 87 | Poonawala | CLIFTON | 51.7% | 15.0% | 2024 |
| 189 | 87 | Poonawala | CLIFTON | 45.9% | 15.0% | 2024 |
| 190 | 3856 | Maula Dad Village | SITE | 56.6% | 15.0% | 2024 |
| 191 | 3481 | Qader Khan | LYARI-I | 60.6% | 15.0% | 2024 |
| 192 | 3481 | Qader Khan | LYARI-I | 56.2% | 15.0% | 2024 |
| 193 | 189 | Rahim Textile | NORTH KARACHI | 46.3% | 15.0% | 2024 |
| 194 | 2167 | COP RMU | BAHADURABAD | 47.3% | 15.0% | 2024 |
| 195 | 489 | PAF Housing | TIPU SULTAN | 58.2% | 15.0% | 2024 |
| 196 | 649 | Modern Complex | NORTH KARACHI | 52.4% | 15.0% | 2024 |
| 197 | 3242 | Railway Colony | SADDAR | 53.5% | 15.0% | 2024 |
| 198 | 3242 | Railway Colony | SADDAR | 48.8% | 15.0% | 2024 |
| 199 | 3148 | Hydro Carbon | SADDAR | 51.8% | 15.0% | 2024 |
| 200 | 3148 | Hydro Carbon | SADDAR | 52.7% | 15.0% | 2024 |
| 201 | 3474 | Olympic Pride (Old Pole 12/13) | SURJANI | 50.8% | 15.0% | 2024 |
| 202 | 3616 | Dairy Queen | SURJANI | 66.0% | 15.0% | 2024 |
| 203 | 409 | Green Land City | JOHAR-II | 57.1% | 15.0% | 2024 |
| 204 | 329 | Mujahid Colony | GULSHAN | 49.4% | 15.0% | 2024 |
| 205 | 3416 | Pipe Factory | GULSHAN | 62.9% | 15.0% | 2024 |
| 206 | 3351 | Junaid Trade Center | GARDEN | 46.1% | 15.0% | 2024 |
| 207 | 852 | Okhai Memon | LYARI-I | 46.5% | 15.0% | 2024 |
| 208 | 3474 | Olympic Pride (Old Pole 12/13) | SURJANI | 70.7% | 15.0% | 2024 |
| 209 | 143 | Kohinoor 2 | BALDIA | 47.4% | 15.0% | 2024 |
| 210 | 1118 | Hikmat Institute | ORANGI-I | 67.5% | 15.0% | 2024 |
| 211 | 245 | Rexer Lane | SITE | 65.9% | 15.0% | 2024 |
| 212 | 735 | Hijrat Colony | SADDAR | 47.0% | 15.0% | 2024 |
| 213 | 2109 | Awan e Sadar | SADDAR | 49.0% | 15.0% | 2024 |
| 214 | 2109 | Awan e Sadar | SADDAR | 56.8% | 15.0% | 2024 |
| 215 | 1308 | Nawabad | LYARI-I | 46.2% | 15.0% | 2024 |



| | | | | | | |
|-----|------|--------------------------------|-----------------|-------|-------|------|
| 216 | 571 | Machar Colony | LYARI-I | 53.2% | 15.0% | 2024 |
| 217 | 695 | Noor Police | ORANGI-I | 55.9% | 15.0% | 2024 |
| 218 | 666 | Orangi Ice | ORANGI-I | 58.2% | 15.0% | 2024 |
| 219 | 666 | Orangi Ice | ORANGI-I | 51.5% | 15.0% | 2024 |
| 220 | 880 | Hyat Baig | SURJANI | 48.2% | 15.0% | 2024 |
| 221 | 3727 | Ahsan Medical Rmu | SURJANI | 49.8% | 15.0% | 2024 |
| 222 | 880 | Hyat Baig | SURJANI | 56.4% | 15.0% | 2024 |
| 223 | 880 | Hyat Baig | SURJANI | 69.2% | 15.0% | 2024 |
| 224 | 880 | Hyat Baig | SURJANI | 53.2% | 15.0% | 2024 |
| 225 | 880 | Hyat Baig | SURJANI | 55.5% | 15.0% | 2024 |
| 226 | 3376 | Oakland (Old Pole19) | SURJANI | 50.2% | 15.0% | 2024 |
| 227 | 2069 | Ideal Bakeri | DEFENCE | 46.0% | 15.0% | 2024 |
| 228 | 242 | Revenuc Office | GARDEN | 45.1% | 15.0% | 2024 |
| 229 | 665 | National Center | NORTH NAZIMABAD | 66.1% | 15.0% | 2024 |
| 230 | 1291 | Block G | NORTH NAZIMABAD | 47.5% | 15.0% | 2024 |
| 231 | 3333 | Peoples Colony | NORTH NAZIMABAD | 45.8% | 15.0% | 2024 |
| 232 | 659 | Paharganj RMU | NORTH NAZIMABAD | 59.1% | 15.0% | 2024 |
| 233 | 1292 | Shipowner College | NORTH NAZIMABAD | 48.7% | 15.0% | 2024 |
| 234 | 3333 | Peoples Colony | NORTH NAZIMABAD | 74.4% | 15.0% | 2024 |
| 235 | 630 | Nazimabad College | NORTH NAZIMABAD | 50.6% | 15.0% | 2024 |
| 236 | 289 | Abbas Bawazir | SHAH FAISAL | 56.4% | 15.0% | 2024 |
| 237 | 3613 | Umer RMU | SHAH FAISAL | 65.8% | 15.0% | 2024 |
| 238 | 121 | Lal Masjid | MALIR | 57.2% | 15.0% | 2024 |
| 239 | 121 | Lal Masjid | MALIR | 51.0% | 15.0% | 2024 |
| 240 | 3912 | Wasi Country | GADAP | 66.0% | 15.0% | 2024 |
| 241 | 3409 | Baraf Khana | MALIR | 47.7% | 15.0% | 2024 |
| 242 | 272 | Hafiz Sweets | MALIR | 51.2% | 15.0% | 2024 |
| 243 | 119 | Bagh e Malir | MALIR | 71.4% | 15.0% | 2024 |
| 244 | 186 | Basra Soap | F.B. AREA | 63.2% | 15.0% | 2024 |
| 245 | 3834 | Terry World | NORTH KARACHI | 66.2% | 15.0% | 2024 |
| 246 | 3834 | Terry World | NORTH KARACHI | 52.5% | 15.0% | 2024 |
| 247 | 189 | Rahim Textile | NORTH KARACHI | 52.8% | 15.0% | 2024 |
| 248 | 3288 | Bank Alfala | NORTH KARACHI | 64.8% | 15.0% | 2024 |
| 249 | 3383 | Khatri Muslim | NORTH KARACHI | 45.7% | 15.0% | 2024 |
| 250 | 2021 | Haji Mureed Goth | NAZIMABAD | 57.0% | 15.0% | 2024 |
| 251 | 3474 | Olympic Pride (Old Pole 12/13) | SURJANI | 46.1% | 15.0% | 2024 |
| 252 | 98 | Milk Plant | BAHADURABAD | 45.2% | 15.0% | 2024 |
| 253 | 245 | Rexer Lane | SITE | 70.9% | 15.0% | 2024 |
| 254 | 245 | Rexer Lane | SITE | 68.3% | 15.0% | 2024 |
| 255 | 2018 | Peetal Gali SS | NAZIMABAD | 48.8% | 15.0% | 2024 |
| 256 | 813 | Shah E Karbala | NAZIMABAD | 52.9% | 15.0% | 2024 |
| 257 | 812 | Old Golimar | SITE | 58.4% | 15.0% | 2024 |
| 258 | 3856 | Maula Dad Village | SITE | 70.2% | 15.0% | 2024 |
| 259 | 3856 | Maula Dad Village | SITE | 54.5% | 15.0% | 2024 |
| 260 | 3856 | Maula Dad Village | SITE | 74.9% | 15.0% | 2024 |
| 261 | 650 | Nice Beaker | NORTH KARACHI | 45.0% | 15.0% | 2024 |

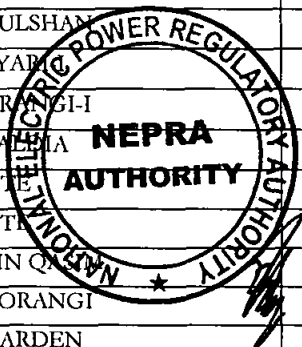
Annex - S

| | | | | | | |
|-----|------|-------------------------------------|-----------------|-------|-------|------|
| 262 | 3470 | Iqbal Plaza | NORTH KARACHI | 58.8% | 15.0% | 2024 |
| 263 | 3686 | Jamali Bridge | JOHAR-II | 60.5% | 15.0% | 2024 |
| 264 | 3685 | Gulistan Chs 1 | JOHAR-II | 56.3% | 15.0% | 2024 |
| 265 | 386 | Cattle Colony RMU | BIN QASIM | 68.5% | 15.0% | 2024 |
| 266 | 3616 | Dairy Queen | SURJANI | 60.6% | 15.0% | 2024 |
| 267 | 3367 | Lal Market | NEW KARACHI | 47.9% | 15.0% | 2024 |
| 268 | 387 | Labour Flates + Cap2 | BIN QASIM | 60.5% | 15.0% | 2024 |
| 269 | 3727 | Ahsan Medical Rmu | SURJANI | 50.1% | 15.0% | 2024 |
| 270 | 230 | O/H Pole 1 | GADAP | 46.9% | 15.0% | 2024 |
| 271 | 141 | Iqbal Road | BALDIA | 52.3% | 15.0% | 2024 |
| 272 | 782 | Dyer Textile | NAZIMABAD | 56.4% | 15.0% | 2024 |
| 273 | 3546 | Sector 10 | KIMZ | 52.6% | 15.0% | 2024 |
| 274 | 3443 | Staff Hostel | GADAP | 58.6% | 15.0% | 2024 |
| 275 | 588 | Urdu Nagar | MALIR | 52.8% | 15.0% | 2024 |
| 276 | 584 | Small Industry | MALIR | 45.0% | 15.0% | 2024 |
| 277 | 584 | Small Industry | MALIR | 48.0% | 15.0% | 2024 |
| 278 | 3312 | Millat Town RMU | KIMZ | 55.9% | 15.0% | 2024 |
| 279 | 1571 | Tel Exchange | MALIR | 53.9% | 15.0% | 2024 |
| 280 | 521 | Hussain 3 SS + Cap 2 | BIN QASIM | 65.7% | 15.0% | 2024 |
| 281 | 2140 | Chapter School | TIPU SULTAN | 71.4% | 15.0% | 2024 |
| 282 | 15 | Parsi Trust SS | TIPU SULTAN | 57.8% | 15.0% | 2024 |
| 283 | 3443 | Staff Hostel | GADAP | 72.0% | 15.0% | 2024 |
| 284 | 3920 | Noor Hamza | GADAP | 57.4% | 15.0% | 2024 |
| 285 | 3442 | Rupali RMU | GADAP | 59.4% | 15.0% | 2024 |
| 286 | 3148 | Hydro Carbon | SADDAR | 47.0% | 15.0% | 2024 |
| 287 | 599 | Aleemabad | MALIR | 47.5% | 15.0% | 2024 |
| 288 | 1345 | Raja Poultry Farm | BIN QASIM | 48.8% | 15.0% | 2024 |
| 289 | 530 | Metal Complex | BIN QASIM | 48.3% | 15.0% | 2024 |
| 290 | 50 | Islamic Mission SS | KIMZ | 46.3% | 15.0% | 2024 |
| 291 | 3231 | Urooj Garments | NORTH KARACHI | 54.6% | 15.0% | 2024 |
| 292 | 240 | Hoti Market | GARDEN | 48.0% | 15.0% | 2024 |
| 293 | 500 | Zoristan S/S | TIPU SULTAN | 53.6% | 15.0% | 2024 |
| 294 | 1303 | Jelani Centre | LYARI-I | 63.6% | 15.0% | 2024 |
| 295 | 3481 | Qader Khan | LYARI-I | 55.4% | 15.0% | 2024 |
| 296 | 665 | National Center | NORTH NAZIMABAD | 60.2% | 15.0% | 2024 |
| 297 | 3003 | Asio African | SITE | 57.4% | 15.0% | 2024 |
| 298 | 879 | Yousuf Goth | SURJANI | 48.4% | 15.0% | 2024 |
| 299 | 3920 | Noor Hamza | GADAP | 74.5% | 15.0% | 2024 |
| 300 | 360 | PECHS Block II | BAHADURABAD | 47.4% | 15.0% | 2024 |
| 301 | 360 | PECHS Block II | BAHADURABAD | 61.6% | 15.0% | 2024 |
| 302 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 45.0% | 15.0% | 2024 |
| 303 | 370 | Jacobline Cmplx 1 | BAHADURABAD | 63.4% | 15.0% | 2024 |
| 304 | 802 | Metroville | ORANGI-I | 50.6% | 15.0% | 2024 |
| 305 | 565 | Crown Cinema | LYARI-I | 63.4% | 15.0% | 2024 |
| 306 | 3723 | Maxmius | BALDIA | 47.6% | 15.0% | 2024 |
| 307 | 415 | Rizvia | JOHAR-II | 52.1% | 15.0% | 2024 |



Annex - S

| | | | | | | |
|-----|------|-----------------------|-----------------|-------|-------|------|
| 308 | 415 | Rizvia | JOHAR-II | 59.4% | 15.0% | 2024 |
| 309 | 3091 | Miangiani RMU | UTHAL | 61.0% | 15.0% | 2024 |
| 310 | 231 | Raam Suami | GARDEN | 47.9% | 15.0% | 2024 |
| 311 | 1571 | Tel Exchange | MALIR | 68.2% | 15.0% | 2024 |
| 312 | 793 | Peerabad | ORANGI-I | 59.3% | 15.0% | 2024 |
| 313 | 682 | Ana Crown | LAYARI-II | 48.8% | 15.0% | 2024 |
| 314 | 2065 | Abidabad | ORANGI-I | 50.3% | 15.0% | 2024 |
| 315 | 756 | Haji Camp | SADDAR | 66.1% | 15.0% | 2024 |
| 316 | 648 | Saba Cinema | NORTH KARACHI | 53.0% | 15.0% | 2024 |
| 317 | 3876 | White House | JOHAR-II | 67.0% | 15.0% | 2024 |
| 318 | 588 | Urdu Nagar | MALIR | 47.0% | 15.0% | 2024 |
| 319 | 3395 | Road 2 | BIN QASIM | 56.4% | 15.0% | 2024 |
| 320 | 652 | Zaib un Nisa | NORTH KARACHI | 56.0% | 15.0% | 2024 |
| 321 | 3490 | Bahdadi | LYARI-I | 51.0% | 15.0% | 2024 |
| 322 | 565 | Crown Cinema | LYARI-I | 47.1% | 15.0% | 2024 |
| 323 | 1308 | Nawabad | LYARI-I | 51.6% | 15.0% | 2024 |
| 324 | 404 | Prince Ali | JOHAR-II | 46.7% | 15.0% | 2024 |
| 325 | 3918 | Delux Town | GADAP | 59.1% | 15.0% | 2024 |
| 326 | 134 | Afridi Colony | BALDIA | 51.0% | 15.0% | 2024 |
| 327 | 15 | Parsi Trust SS | TIPU SULTAN | 51.5% | 15.0% | 2024 |
| 328 | 1172 | Mundra Chowk | CLIFTON | 48.7% | 15.0% | 2024 |
| 329 | 1292 | Shipowner College | NORTH NAZIMABAD | 73.5% | 15.0% | 2024 |
| 330 | 334 | Shanti Nagar | GULSHAN | 51.8% | 15.0% | 2024 |
| 331 | 844 | Seamiss RMU | LYARI-I | 47.4% | 15.0% | 2024 |
| 332 | 776 | Orangi Medicos | ORANGI-I | 56.8% | 15.0% | 2024 |
| 333 | 2055 | Bus Terminal | BALDIA | 67.4% | 15.0% | 2024 |
| 334 | 3504 | Haji Latif Tannery | SITRA | 54.0% | 15.0% | 2024 |
| 335 | 3003 | Asio African | SITRA | 53.5% | 15.0% | 2024 |
| 336 | 3971 | Past RMU | BIN QASIM | 51.6% | 15.0% | 2024 |
| 337 | 3565 | Chiniot Hospital | KORANGI | 53.2% | 15.0% | 2024 |
| 338 | 173 | Vishan Das | GARDEN | 47.3% | 15.0% | 2024 |
| 339 | 173 | Vishan Das | GARDEN | 68.6% | 15.0% | 2024 |
| 340 | 3727 | Ahsan Medical Rmu | SURJANI | 47.1% | 15.0% | 2024 |
| 341 | 1308 | Nawabad | LYARI-I | 63.2% | 15.0% | 2024 |
| 342 | 2065 | Abidabad | ORANGI-I | 50.2% | 15.0% | 2024 |
| 343 | 3661 | Sector 6B Mehran Town | KIMZ | 47.0% | 15.0% | 2024 |
| 344 | 3091 | Miangiani RMU | UTHAL | 66.6% | 15.0% | 2024 |
| 345 | 3028 | Balochistan Board | UTHAL | 47.7% | 15.0% | 2024 |
| 346 | 3661 | Sector 6B Mehran Town | KIMZ | 59.2% | 15.0% | 2024 |
| 347 | 3029 | International Gum | UTHAL | 52.8% | 15.0% | 2024 |
| 348 | 3029 | International Gum | UTHAL | 47.5% | 15.0% | 2024 |
| 349 | 3029 | International Gum | UTHAL | 73.5% | 15.0% | 2024 |
| 350 | 3661 | Sector 6B Mehran Town | KIMZ | 67.7% | 15.0% | 2024 |
| 351 | 3606 | Mangalabad | UTHAL | 59.5% | 15.0% | 2024 |
| 352 | 3606 | Mangalabad | UTHAL | 47.7% | 15.0% | 2024 |



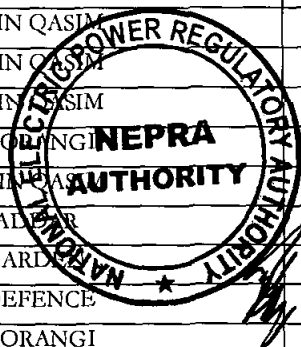
| | | | | | | |
|-----|------|------------------------------|---------------|-------|-------|------|
| 353 | 3029 | International Gum | UTHAL | 48.9% | 15.0% | 2024 |
| 354 | 3031 | Pawel Cel | UTHAL | 46.2% | 15.0% | 2024 |
| 355 | 3185 | Lateef Jute | UTHAL | 46.6% | 15.0% | 2024 |
| 356 | 3184 | Jumma Khan RMU | UTHAL | 51.1% | 15.0% | 2024 |
| 357 | 3184 | Jumma Khan RMU | UTHAL | 62.1% | 15.0% | 2024 |
| 358 | 3184 | Jumma Khan RMU | UTHAL | 65.3% | 15.0% | 2024 |
| 359 | 3601 | Edhi Clinic | ORANGI-I | 46.1% | 15.0% | 2024 |
| 360 | 3038 | Uthal Bazar | UTHAL | 51.4% | 15.0% | 2024 |
| 361 | 3510 | Gulshan e Akbar | SHAH FAISAL | 72.0% | 15.0% | 2024 |
| 362 | 3546 | Sector 10 | KIMZ | 56.0% | 15.0% | 2024 |
| 363 | 1324 | Nasir Colony RMU | KORANGI | 48.0% | 15.0% | 2024 |
| 364 | 3042 | Chakra Goth RMU | KORANGI | 52.6% | 15.0% | 2024 |
| 365 | 3048 | Korangi Zoo | KORANGI | 60.2% | 15.0% | 2024 |
| 366 | 3402 | Badshah Khan | CLIFTON | 50.7% | 15.0% | 2024 |
| 367 | 3402 | Badshah Khan | CLIFTON | 49.4% | 15.0% | 2024 |
| 368 | 138 | Masjid e Akbar | BALDIA | 68.2% | 15.0% | 2024 |
| 369 | 3419 | Johar Complex | JOHAR-II | 46.4% | 15.0% | 2024 |
| 370 | 3546 | Sector 10 | KIMZ | 54.3% | 15.0% | 2024 |
| 371 | 3244 | Veraval Patan + Cap3 | JOHAR-II | 50.8% | 15.0% | 2024 |
| 372 | 250 | Qasim Bhai Moosa Bhai + Cap3 | LAYARI-II | 46.7% | 15.0% | 2024 |
| 373 | 3536 | Abdul Mannan | GARDEN | 51.5% | 15.0% | 2024 |
| 374 | 3606 | Mangalabad | UTHAL | 56.4% | 15.0% | 2024 |
| 375 | 3620 | Bilal Masjid | MALIR | 46.8% | 15.0% | 2024 |
| 376 | 2043 | Nucleus House | KORANGI | 62.0% | 15.0% | 2024 |
| 377 | 440 | Korangi Tel Exch 1 | KORANGI | 51.5% | 15.0% | 2024 |
| 378 | 632 | Pole17 | NORTH KARACHI | 57.7% | 15.0% | 2024 |
| 379 | 683 | Lawrence Appartments | LAYARI-I | 49.9% | 15.0% | 2024 |
| 380 | 2065 | Abidabad | LAYARI-I | 45.8% | 15.0% | 2024 |
| 381 | 853 | Slaughter House | LAYARI-II | 61.5% | 15.0% | 2024 |
| 382 | 3003 | Asio African | SITE | 60.6% | 15.0% | 2024 |
| 383 | 3488 | ikhlaq Chowk | LYARI-I | 51.7% | 15.0% | 2024 |
| 384 | 3100 | Al Hira Masjid | NORTH KARACHI | 68.7% | 15.0% | 2024 |
| 385 | 3100 | Al Hira Masjid | NORTH KARACHI | 69.9% | 15.0% | 2024 |
| 386 | 3100 | Al Hira Masjid | NORTH KARACHI | 65.0% | 15.0% | 2024 |
| 387 | 370 | Jacobline Cmplx 1 | BAHADURABAD | 51.2% | 15.0% | 2024 |
| 388 | 402 | Super Highway Pumping | GADAP | 67.3% | 15.0% | 2024 |
| 389 | 3504 | Haji Latif Tannery | SITE | 64.7% | 15.0% | 2024 |
| 390 | 883 | Michal Academy | NEW KARACHI | 56.1% | 15.0% | 2024 |
| 391 | 1236 | T'own Hall | GADAP | 45.2% | 15.0% | 2024 |
| 392 | 409 | Green Land City | JOHAR-II | 71.3% | 15.0% | 2024 |
| 393 | 2055 | Bus Terminal | BALDIA | 46.3% | 15.0% | 2024 |
| 394 | 885 | Kala School | NEW KARACHI | 54.3% | 15.0% | 2024 |
| 395 | 3402 | Badshah Khan | CLIFTON | 51.0% | 15.0% | 2024 |
| 396 | 415 | Rizvia | JOHAR-II | 55.0% | 15.0% | 2024 |
| 397 | 3661 | Sector 6B Mehran | KIMZ | 51.6% | 15.0% | 2024 |

| | | Town | | | | |
|-----|------|-----------------------|---------------|-------|-------|------|
| 398 | 3661 | Sector 6B Mehran Town | KIMZ | 50.6% | 15.0% | 2024 |
| 399 | 404 | Prince Ali | JOHAR-II | 68.2% | 15.0% | 2024 |
| 400 | 199 | Jumma Baloch | LYARI-I | 47.5% | 15.0% | 2024 |
| 401 | 3919 | Shumail Complex | JOHAR-II | 45.1% | 15.0% | 2024 |
| 402 | 2153 | Usman Terrace | JOHAR-II | 55.9% | 15.0% | 2024 |
| 403 | 802 | Metroville | ORANGI-I | 71.0% | 15.0% | 2024 |
| 404 | 3542 | Noor Hotel | BAHADURABAD | 50.6% | 15.0% | 2024 |
| 405 | 3558 | Memon CHS | JOHAR-II | 47.3% | 15.0% | 2024 |
| 406 | 3876 | White House | JOHAR-II | 51.0% | 15.0% | 2024 |
| 407 | 885 | Kala School | NEW KARACHI | 55.9% | 15.0% | 2024 |
| 408 | 3565 | Chiniot Hospital | KORANGI | 49.4% | 15.0% | 2024 |
| 409 | 3441 | Pakistan Steel | GADAP | 47.4% | 15.0% | 2024 |
| 410 | 3566 | Sanitary Shop | NAZIMABAD | 50.5% | 15.0% | 2024 |
| 411 | 1111 | Saadullah Goth | BALDIA | 59.1% | 15.0% | 2024 |
| 412 | 1111 | Saadullah Goth | BALDIA | 54.8% | 15.0% | 2024 |
| 413 | 135 | Pakistan Bazar | BALDIA | 45.2% | 15.0% | 2024 |
| 414 | 134 | Afridi Colony | BALDIA | 49.8% | 15.0% | 2024 |
| 415 | 144 | Gol Sabeel | BALDIA | 53.4% | 15.0% | 2024 |
| 416 | 3546 | Sector 10 | KIMZ | 57.7% | 15.0% | 2024 |
| 417 | 1360 | Minister Residency | CLIFTON | 49.5% | 15.0% | 2024 |
| 418 | 2055 | Bus Terminal | BALDIA | 52.2% | 15.0% | 2024 |
| 419 | 3284 | Royal City | SURJANI | 54.1% | 15.0% | 2024 |
| 420 | 3060 | Mashriq Society | GADAP | 57.5% | 15.0% | 2024 |
| 421 | 196 | R.I.G | F.B. AREA | 56.3% | 15.0% | 2024 |
| 422 | 881 | Sahiban | SURJANI | 49.2% | 15.0% | 2024 |
| 423 | 3383 | Khatri Muslim | NORTH KARACHI | 56.2% | 15.0% | 2024 |
| 424 | 1282 | Saifal Goth | GADAP | 66.6% | 15.0% | 2024 |
| 425 | 3681 | Amroha | JOHAR-II | 53.2% | 15.0% | 2024 |
| 426 | 137 | Mominabad | BALDIA | 52.0% | 15.0% | 2024 |
| 427 | 138 | Masjid e Akbar | BALDIA | 46.7% | 15.0% | 2024 |
| 428 | 138 | Masjid e Akbar | BALDIA | 45.7% | 15.0% | 2024 |
| 429 | 138 | Masjid e Akbar | BALDIA | 64.1% | 15.0% | 2024 |
| 430 | 138 | Masjid e Akbar | BALDIA | 55.6% | 15.0% | 2024 |
| 431 | 138 | Masjid e Akbar | BALDIA | 49.3% | 15.0% | 2024 |
| 432 | 138 | Masjid e Akbar | BALDIA | 52.4% | 15.0% | 2024 |
| 433 | 138 | Masjid e Akbar | BALDIA | 59.2% | 15.0% | 2024 |
| 434 | 138 | Masjid e Akbar | BALDIA | 54.9% | 15.0% | 2024 |
| 435 | 802 | Metroville | ORANGI-I | 59.1% | 15.0% | 2024 |
| 436 | 1273 | Shaheed Chowk | MALIR | 74.9% | 15.0% | 2024 |
| 437 | 4013 | Amalgamated Foods | KIMZ | 45.2% | 15.0% | 2024 |
| 438 | 3143 | Pole 20 | GADAP | 62.1% | 15.0% | 2024 |
| 439 | 756 | Haji Camp | SADDAR | 73.8% | 15.0% | 2024 |
| 440 | 3916 | Amazon | BALDIA | 55.3% | 15.0% | 2024 |
| 441 | 3119 | KDA Employee Society | JOHAR-II | 69.8% | 15.0% | 2024 |

2

Annex - S

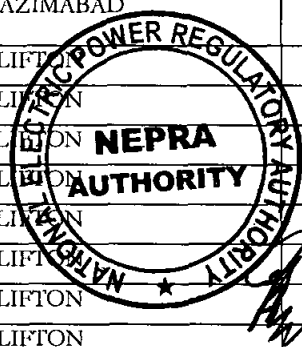
| | | | | | | |
|-----|------|------------------------------|---------------|-------|-------|------|
| 442 | 261 | Lashari Goth | BIN QASIM | 49.4% | 15.0% | 2024 |
| 443 | 3916 | Amazon | BALDIA | 50.8% | 15.0% | 2024 |
| 444 | 261 | Lashari Goth | BIN QASIM | 51.8% | 15.0% | 2024 |
| 445 | 584 | Small Industry | MALIR | 48.7% | 15.0% | 2024 |
| 446 | 3916 | Amazon | BALDIA | 57.0% | 15.0% | 2024 |
| 447 | 3916 | Amazon | BALDIA | 60.9% | 15.0% | 2024 |
| 448 | 3916 | Amazon | BALDIA | 46.0% | 15.0% | 2024 |
| 449 | 3916 | Amazon | BALDIA | 63.6% | 15.0% | 2024 |
| 450 | 3876 | White House | JOHAR-II | 64.2% | 15.0% | 2024 |
| 451 | 409 | Green Land City | JOHAR-II | 67.8% | 15.0% | 2024 |
| 452 | 2135 | A One Center | BAHADURABAD | 45.0% | 15.0% | 2024 |
| 453 | 879 | Yousuf Goth | SURJANI | 53.9% | 15.0% | 2024 |
| 454 | 289 | Abbas Bawazir | SHAH FAISAL | 47.8% | 15.0% | 2024 |
| 455 | 3338 | Mansoor Sher | BALDIA | 59.1% | 15.0% | 2024 |
| 456 | 3338 | Mansoor Sher | BALDIA | 46.9% | 15.0% | 2024 |
| 457 | 3338 | Mansoor Sher | BALDIA | 62.4% | 15.0% | 2024 |
| 458 | 3338 | Mansoor Sher | BALDIA | 61.1% | 15.0% | 2024 |
| 459 | 3338 | Mansoor Sher | BALDIA | 48.8% | 15.0% | 2024 |
| 460 | 3338 | Mansoor Sher | BALDIA | 49.1% | 15.0% | 2024 |
| 461 | 3338 | Mansoor Sher | BALDIA | 49.6% | 15.0% | 2024 |
| 462 | 3056 | Crown Garden | JOHAR | 45.2% | 15.0% | 2024 |
| 463 | 769 | Kamran Distributor + Cap6 | SITE | 56.1% | 15.0% | 2024 |
| 464 | 3312 | Millat Town RMU | KIMZ | 57.8% | 15.0% | 2024 |
| 465 | 50 | Islamic Mission SS | KIMZ | 53.9% | 15.0% | 2024 |
| 466 | 575 | Hari Masjid | LAYARI-II | 46.0% | 15.0% | 2024 |
| 467 | 2038 | Ghazi Town | MALIR | 46.8% | 15.0% | 2024 |
| 468 | 1345 | Raja Poultry Farm | BIN QASIM | 55.3% | 15.0% | 2024 |
| 469 | 3300 | King Hatchery | BIN QASIM | 50.6% | 15.0% | 2024 |
| 470 | 3300 | King Hatchery | BIN QASIM | 67.6% | 15.0% | 2024 |
| 471 | 3344 | Silver Town | KORANGI | 68.3% | 15.0% | 2024 |
| 472 | 386 | Cattle Colony RMU | BIN QASIM | 47.9% | 15.0% | 2024 |
| 473 | 256 | Incom Tax Office | SADLER | 49.4% | 15.0% | 2024 |
| 474 | 200 | City Govt Press | GARDEN | 55.8% | 15.0% | 2024 |
| 475 | 3 | Defence 10 | DEFENCE | 50.0% | 15.0% | 2024 |
| 476 | 3565 | Chiniot Hospital | KORANGI | 52.1% | 15.0% | 2024 |
| 477 | 3565 | Chiniot Hospital | KORANGI | 54.2% | 15.0% | 2024 |
| 478 | 3565 | Chiniot Hospital | KORANGI | 66.5% | 15.0% | 2024 |
| 479 | 3231 | Urooj Garments | NORTH KARACHI | 53.3% | 15.0% | 2024 |
| 480 | 3231 | Urooj Garments | NORTH KARACHI | 56.9% | 15.0% | 2024 |
| 481 | 3231 | Urooj Garments | NORTH KARACHI | 53.7% | 15.0% | 2024 |
| 482 | 669 | Nazimabad Post Office | NAZIMABAD | 45.9% | 15.0% | 2024 |
| 483 | 669 | Nazimabad Post Office | NAZIMABAD | 57.6% | 15.0% | 2024 |
| 484 | 650 | Nice Beaker | NORTH KARACHI | 47.2% | 15.0% | 2024 |
| 485 | 250 | Qasim Bhai Moosa Bhai + Cap3 | LAYARI-II | 45.7% | 15.0% | 2024 |



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Annex - S

| | | | | | | |
|-----|------|------------------------------|-----------------|-------|-------|------|
| 486 | 650 | Nice Beaker | NORTH KARACHI | 64.5% | 15.0% | 2024 |
| 487 | 3441 | Pakistan Steel | GADAP | 53.6% | 15.0% | 2024 |
| 488 | 802 | Metroville | ORANGI-I | 60.4% | 15.0% | 2024 |
| 489 | 897 | KMC Abitar | BIN QASIM | 55.1% | 15.0% | 2024 |
| 490 | 4101 | HASSAN BAROHI GOTH | SURJANI | 59.3% | 15.0% | 2024 |
| 491 | 3739 | Offbeat Street | LAYARI-II | 45.5% | 15.0% | 2024 |
| 492 | 3182 | Mundra Chowk 2 | CLIFTON | 46.5% | 15.0% | 2024 |
| 493 | 1171 | Kemari Center | CLIFTON | 53.8% | 15.0% | 2024 |
| 494 | 3100 | Al Hira Masjid | NORTH KARACHI | 69.1% | 15.0% | 2024 |
| 495 | 632 | Pole17 | NORTH KARACHI | 49.7% | 15.0% | 2024 |
| 496 | 3490 | Bahdadi | LYARI-I | 54.8% | 15.0% | 2024 |
| 497 | 134 | Afridi Colony | BALDIA | 48.4% | 15.0% | 2024 |
| 498 | 1171 | Kemari Center | CLIFTON | 52.7% | 15.0% | 2024 |
| 499 | 2087 | Sultanabad Police Station | ORANGI-I | 49.4% | 15.0% | 2024 |
| 500 | 408 | Al Azhar Garden | JOHAR-II | 60.1% | 15.0% | 2024 |
| 501 | 2087 | Sultanabad Police Station | ORANGI-I | 69.1% | 15.0% | 2024 |
| 502 | 669 | Nazimabad Post Office | NAZIMABAD | 36.4% | 15.0% | 2024 |
| 503 | 3437 | North Vista | NORTH NAZIMABAD | 35.7% | 15.0% | 2024 |
| 504 | 818 | Al Mahroof | NAZIMABAD | 40.0% | 15.0% | 2024 |
| 505 | 568 | Fida Hussain Shaikha Road | LYARI-I | 39.8% | 15.0% | 2024 |
| 506 | 2051 | Noori Baba RMU | BAHADURABAD | 36.8% | 15.0% | 2024 |
| 507 | 1356 | Pole 62 | ORANGI-I | 39.6% | 15.0% | 2024 |
| 508 | 574 | Lyari Center 3 | LAYARI-II | 37.2% | 15.0% | 2024 |
| 509 | 3383 | Khatr Muslim | NORTH KARACHI | 42.6% | 15.0% | 2024 |
| 510 | 1310 | Gharib Shah | LAYARI-II | 36.0% | 15.0% | 2024 |
| 511 | 652 | Zaib un Nisa | NORTH KARACHI | 39.7% | 15.0% | 2024 |
| 512 | 669 | Nazimabad Post Office | NAZIMABAD | 40.1% | 15.0% | 2024 |
| 513 | 1171 | Kemari Center | CLIFTON | 37.1% | 15.0% | 2024 |
| 514 | 1171 | Kemari Center | CLIFTON | 35.2% | 15.0% | 2024 |
| 515 | 3384 | Masan Road | CLIFTON | 39.3% | 15.0% | 2024 |
| 516 | 82 | Caltex | CLIFTON | 35.2% | 15.0% | 2024 |
| 517 | 3384 | Masan Road | CLIFTON | 35.7% | 15.0% | 2024 |
| 518 | 1172 | Mundra Chowk | CLIFTON | 42.9% | 15.0% | 2024 |
| 519 | 3384 | Masan Road | CLIFTON | 39.5% | 15.0% | 2024 |
| 520 | 3384 | Masan Road | CLIFTON | 42.0% | 15.0% | 2024 |
| 521 | 3333 | Peoples Colony | NORTH NAZIMABAD | 39.0% | 15.0% | 2024 |
| 522 | 686 | Noori Apartments | LYARI-I | 36.4% | 15.0% | 2024 |
| 523 | 652 | Zaib un Nisa | NORTH KARACHI | 42.6% | 15.0% | 2024 |
| 524 | 575 | Hari Masjid | LAYARI-II | 36.5% | 15.0% | 2024 |
| 525 | 576 | Ghosia Road | LYARI-I | 37.3% | 15.0% | 2024 |
| 526 | 241 | Bandooqwala | GARDEN | 36.9% | 15.0% | 2024 |
| 527 | 3490 | Bahdadi | LYARI-I | 41.1% | 15.0% | 2024 |
| 528 | 241 | Bandooqwala | GARDEN | 44.1% | 15.0% | 2024 |
| 529 | 852 | Okhai Memon | LYARI-I | 35.4% | 15.0% | 2024 |

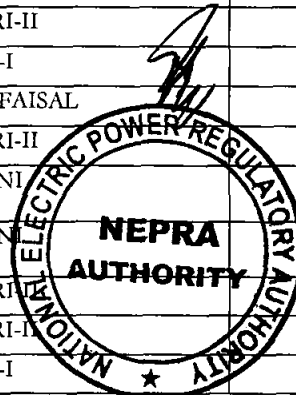


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164/239

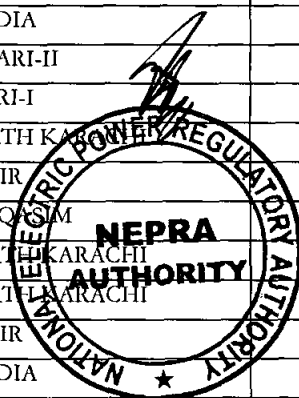
Annex - S

| | | | | | | |
|-----|------|-------------------------------------|-----------------|-------|-------|------|
| 530 | 3488 | ikhlaq Chowk | LYARI-I | 37.2% | 15.0% | 2024 |
| 531 | 571 | Machar Colony | LYARI-I | 35.2% | 15.0% | 2024 |
| 532 | 880 | Hyat Baig | SURJANI | 38.9% | 15.0% | 2024 |
| 533 | 880 | Hyat Baig | SURJANI | 39.4% | 15.0% | 2024 |
| 534 | 3727 | Ahsan Medical Rmu | SURJANI | 43.6% | 15.0% | 2024 |
| 535 | 3507 | Kernaal Basti | BAHADURABAD | 43.2% | 15.0% | 2024 |
| 536 | 79 | Shrin Jinah | CLIFTON | 39.8% | 15.0% | 2024 |
| 537 | 3182 | Mundra Chowk 2 | CLIFTON | 40.3% | 15.0% | 2024 |
| 538 | 1360 | Minister Residency | CLIFTON | 38.0% | 15.0% | 2024 |
| 539 | 670 | Khando Goth | NORTH NAZIMABAD | 44.6% | 15.0% | 2024 |
| 540 | 121 | Lal Masjid | MALIR | 42.2% | 15.0% | 2024 |
| 541 | 119 | Bagh e Malir | MALIR | 40.4% | 15.0% | 2024 |
| 542 | 1238 | Juma Village | KORANGI | 39.9% | 15.0% | 2024 |
| 543 | 98 | Milk Plant | BAHADURABAD | 39.4% | 15.0% | 2024 |
| 544 | 818 | Al Mahroof | NAZIMABAD | 38.2% | 15.0% | 2024 |
| 545 | 650 | Nice Beaker | NORTH KARACHI | 37.8% | 15.0% | 2024 |
| 546 | 138 | Masjid e Akbar | BALDIA | 37.9% | 15.0% | 2024 |
| 547 | 631 | Nazia Square | NEW KARACHI | 37.5% | 15.0% | 2024 |
| 548 | 3727 | Ahsan Medical Rmu | SURJANI | 40.2% | 15.0% | 2024 |
| 549 | 782 | Dyer Textile | NAZIMABAD | 43.0% | 15.0% | 2024 |
| 550 | 508 | Firdous + Cap 1 | BIN QASIM | 39.7% | 15.0% | 2024 |
| 551 | 1325 | Pole 70 RMU | KORANGI | 40.4% | 15.0% | 2024 |
| 552 | 1130 | Masjid e Aqsa | TIPU SULTAN | 37.3% | 15.0% | 2024 |
| 553 | 3402 | Badshah Khan | CLIFTON | 35.5% | 15.0% | 2024 |
| 554 | 3402 | Badshah Khan | CLIFTON | 43.5% | 15.0% | 2024 |
| 555 | 662 | State Bank + Cap3 | NORTH NAZIMABAD | 42.9% | 15.0% | 2024 |
| 556 | 500 | Zoristan S/S | TIPU SULTAN | 35.5% | 15.0% | 2024 |
| 557 | 1307 | Lyari Firebrigade | LAYARI-II | 38.0% | 15.0% | 2024 |
| 558 | 3003 | Asio African | SITE | 37.6% | 15.0% | 2024 |
| 559 | 1162 | Happy Pan House | BALDIA | 38.4% | 15.0% | 2024 |
| 560 | 1305 | New Khumarwara | LAYARI-II | 41.0% | 15.0% | 2024 |
| 561 | 565 | Crown Cinema | LYARI-I | 40.6% | 15.0% | 2024 |
| 562 | 135 | Pakistan Bazar | BALDIA | 43.7% | 15.0% | 2024 |
| 563 | 138 | Masjid e Akbar | BALDIA | 39.7% | 15.0% | 2024 |
| 564 | 2087 | Sultanabad Police Station | ORANGI-I | 37.6% | 15.0% | 2024 |
| 565 | 2051 | Noori Baba RMU | BAHADURABAD | 35.3% | 15.0% | 2024 |
| 566 | 574 | Lyari Center 3 | LAYARI-II | 40.3% | 15.0% | 2024 |
| 567 | 2042 | Falak Noor RMU | LYARI-I | 35.9% | 15.0% | 2024 |
| 568 | 289 | Abbas Bawazir | SHAH FAISAL | 42.4% | 15.0% | 2024 |
| 569 | 567 | Behar pump | LAYARI-II | 42.4% | 15.0% | 2024 |
| 570 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 38.4% | 15.0% | 2024 |
| 571 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 42.6% | 15.0% | 2024 |
| 572 | 1310 | Gharib Shah | LAYARI-I | 43.7% | 15.0% | 2024 |
| 573 | 1310 | Gharib Shah | LAYARI-I | 37.3% | 15.0% | 2024 |
| 574 | 3490 | Bahdadi | LYARI-I | 36.6% | 15.0% | 2024 |



Annex - S

| | | | | | | |
|-----|------|---------------------------|---------------|-------|-------|------|
| 575 | 15 | Parsi Trust SS | TIPU SULTAN | 35.9% | 15.0% | 2024 |
| 576 | 3409 | Baraf Khana | MALIR | 35.5% | 15.0% | 2024 |
| 577 | 1360 | Minister Residency | CLIFTON | 39.5% | 15.0% | 2024 |
| 578 | 575 | Hari Masjid | LAYARI-II | 40.0% | 15.0% | 2024 |
| 579 | 1118 | Hikmat Institute | ORANGI-I | 40.2% | 15.0% | 2024 |
| 580 | 571 | Machar Colony | LYARI-I | 43.0% | 15.0% | 2024 |
| 581 | 3488 | ikhlaq Chowk | LYARI-I | 38.0% | 15.0% | 2024 |
| 582 | 3003 | Asio African | SITE | 38.4% | 15.0% | 2024 |
| 583 | 3003 | Asio African | SITE | 40.1% | 15.0% | 2024 |
| 584 | 3003 | Asio African | SITE | 37.7% | 15.0% | 2024 |
| 585 | 3003 | Asio African | SITE | 42.7% | 15.0% | 2024 |
| 586 | 3488 | ikhlaq Chowk | LYARI-I | 36.0% | 15.0% | 2024 |
| 587 | 3231 | Urooj Garments | NORTH KARACHI | 44.5% | 15.0% | 2024 |
| 588 | 3042 | Chakra Goth RMU | KORANGI | 35.2% | 15.0% | 2024 |
| 589 | 3488 | ikhlaq Chowk | LYARI-I | 41.1% | 15.0% | 2024 |
| 590 | 622 | Khayyam Town + Cap 1 | NEW KARACHI | 35.9% | 15.0% | 2024 |
| 591 | 3383 | Khatri Muslim | NORTH KARACHI | 43.4% | 15.0% | 2024 |
| 592 | 2087 | Sultanabad Police Station | ORANGI-I | 37.6% | 15.0% | 2024 |
| 593 | 2087 | Sultanabad Police Station | ORANGI-I | 41.1% | 15.0% | 2024 |
| 594 | 2087 | Sultanabad Police Station | ORANGI-I | 41.7% | 15.0% | 2024 |
| 595 | 1306 | Haji Ismail | LYARI-I | 40.3% | 15.0% | 2024 |
| 596 | 683 | Lawrence Appartments | LAYARI-II | 42.0% | 15.0% | 2024 |
| 597 | 2115 | Rangeen Cinema | BIN QASIM | 38.4% | 15.0% | 2024 |
| 598 | 1355 | Pole 30 | ORANGI-I | 36.4% | 15.0% | 2024 |
| 599 | 574 | Lyari Center 3 | LAYARI-II | 37.8% | 15.0% | 2024 |
| 600 | 1336 | Commercial Cold | LAYARI-II | 41.4% | 15.0% | 2024 |
| 601 | 143 | Kohinoor 2 | BALDIA | 38.9% | 15.0% | 2024 |
| 602 | 1300 | Pakistan Ice | LAYARI-II | 43.4% | 15.0% | 2024 |
| 603 | 2115 | Rangeen Cinema | BIN QASIM | 43.3% | 15.0% | 2024 |
| 604 | 885 | Kala School | NEW KARACHI | 43.1% | 15.0% | 2024 |
| 605 | 1305 | New Khumarwara | LAYARI-II | 40.5% | 15.0% | 2024 |
| 606 | 1162 | Happy Pan House | BALDIA | 43.8% | 15.0% | 2024 |
| 607 | 1306 | Haji Ismail | LYARI-I | 36.3% | 15.0% | 2024 |
| 608 | 1162 | Happy Pan House | BALDIA | 41.1% | 15.0% | 2024 |
| 609 | 1305 | New Khumarwara | LAYARI-II | 38.1% | 15.0% | 2024 |
| 610 | 576 | Ghosia Road | LYARI-I | 37.2% | 15.0% | 2024 |
| 611 | 3383 | Khatri Muslim | NORTH KARACHI | 39.7% | 15.0% | 2024 |
| 612 | 595 | Malir C | MALIR | 44.6% | 15.0% | 2024 |
| 613 | 897 | KMC Abitar | BIN QASIM | 39.4% | 15.0% | 2024 |
| 614 | 632 | Pole17 | NORTH KARACHI | 36.9% | 15.0% | 2024 |
| 615 | 632 | Pole17 | NORTH KARACHI | 41.4% | 15.0% | 2024 |
| 616 | 119 | Bagh e Malir | MALIR | 44.7% | 15.0% | 2024 |
| 617 | 3916 | Amazon | BALDIA | 44.9% | 15.0% | 2024 |
| 618 | 1300 | Pakistan Ice | LAYARI-II | 42.6% | 15.0% | 2024 |



| | | | | | | |
|-----|------|-------------------------------------|-----------------|-------|-------|------|
| 619 | 3384 | Masan Road | CLIFTON | 35.8% | 15.0% | 2024 |
| 620 | 1579 | Khokrapar RMU | MALIR | 39.2% | 15.0% | 2024 |
| 621 | 1172 | Mundra Chowk | CLIFTON | 43.8% | 15.0% | 2024 |
| 622 | 669 | Nazimabad Post Office | NAZIMABAD | 38.2% | 15.0% | 2024 |
| 623 | 2087 | Sultanabad Police Station | ORANGI-I | 36.7% | 15.0% | 2024 |
| 624 | 626 | Barkat Market | NORTH KARACHI | 40.6% | 15.0% | 2024 |
| 625 | 683 | Lawrence Apartments | LAYARI-II | 36.9% | 15.0% | 2024 |
| 626 | 669 | Nazimabad Post Office | NAZIMABAD | 39.3% | 15.0% | 2024 |
| 627 | 3474 | Olympic Pride (Old Pole 12/13) | SURJANI | 41.6% | 15.0% | 2024 |
| 628 | 3488 | ikhlaq Chowk | LYARI-I | 38.1% | 15.0% | 2024 |
| 629 | 3770 | SINDH TOWN | NEW KARACHI | 35.6% | 15.0% | 2024 |
| 630 | 1360 | Minister Residency | CLIFTON | 42.4% | 15.0% | 2024 |
| 631 | 459 | Foundation Gas | KIMZ | 35.3% | 15.0% | 2024 |
| 632 | 574 | Lyari Center 3 | LAYARI-II | 40.7% | 15.0% | 2024 |
| 633 | 87 | Poonawala | CLIFTON | 41.5% | 15.0% | 2024 |
| 634 | 573 | Lea Market | LAYARI-II | 41.0% | 15.0% | 2024 |
| 635 | 598 | Gulshan e Jami | MALIR | 38.3% | 15.0% | 2024 |
| 636 | 655 | Babul Ilm | NORTH NAZIMABAD | 41.9% | 15.0% | 2024 |
| 637 | 143 | Kohinoor 2 | BALDIA | 37.3% | 15.0% | 2024 |
| 638 | 134 | Afridi Colony | BALDIA | 35.9% | 15.0% | 2024 |
| 639 | 1579 | Khokrapar RMU | MALIR | 38.9% | 15.0% | 2024 |
| 640 | 1330 | PARCO 3 | KORANGI | 39.3% | 15.0% | 2024 |
| 641 | 2034 | Gul Noor Ice | F.B. AREA | 40.6% | 15.0% | 2024 |
| 642 | 574 | Lyari Center 3 | LAYARI-II | 35.4% | 15.0% | 2024 |
| 643 | 683 | Lawrence Apartments | LAYARI-II | 39.9% | 15.0% | 2024 |
| 644 | 289 | Abbas Bawazir | SHAH FAISAL | 39.7% | 15.0% | 2024 |
| 645 | 3623 | Pole 23 Qaim Khani | BALDIA | 35.0% | 15.0% | 2024 |
| 646 | 200 | City Govt Press | GARDEN | 39.5% | 15.0% | 2024 |
| 647 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 40.7% | 15.0% | 2024 |
| 648 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 39.9% | 15.0% | 2024 |
| 649 | 3623 | Pole 23 Qaim Khani | BALDIA | 36.3% | 15.0% | 2024 |
| 650 | 289 | Abbas Bawazir | SHAH FAISAL | 36.3% | 15.0% | 2024 |
| 651 | 3288 | Bank Alfala | NORTH KARACHI | 39.0% | 15.0% | 2024 |
| 652 | 686 | Noori Apartments | LYARI-I | 38.6% | 15.0% | 2024 |
| 653 | 3300 | King Hatchery | BIN QASIM | 44.3% | 15.0% | 2024 |
| 654 | 2034 | Gul Noor Ice | F.B. AREA | 29.4% | 15.0% | 2024 |
| 655 | 2087 | Sultanabad Police Station | ORANGI-I | 30.0% | 15.0% | 2024 |
| 656 | 135 | Pakistan Bazar | BALDIA | 29.3% | 15.0% | 2024 |
| 657 | 3540 | Waqas CNG RMU | BAHADURABAD | 29.1% | 15.0% | 2024 |
| 658 | 3488 | ikhlaq Chowk | LYARI-I | 29.4% | 15.0% | 2024 |
| 659 | 15 | Parsi Trust SS | TIPU SULTAN | 30.0% | 15.0% | 2024 |
| 660 | 192 | Chand Market | F.B. AREA | 44.8% | 15.0% | 2024 |

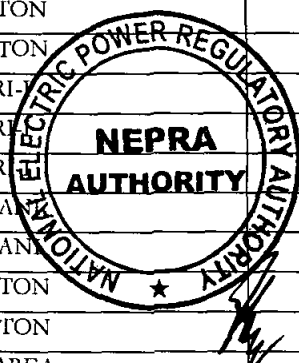
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|-----|------|-------------------------------------|-----------------|-------|-------|------|
| 661 | 3439 | Sadiq Nagar | F.B. AREA | 35.9% | 15.0% | 2024 |
| 662 | 209 | Tamuria Library (Block H) | NORTH NAZIMABAD | 41.5% | 15.0% | 2024 |
| 663 | 245 | Rexer Lane | SITE | 44.2% | 15.0% | 2024 |
| 664 | 3288 | Bank Alfala | NORTH KARACHI | 40.3% | 15.0% | 2024 |
| 665 | 885 | Kala School | NEW KARACHI | 39.2% | 15.0% | 2024 |
| 666 | 409 | Green Land City | JOHAR-II | 43.7% | 15.0% | 2024 |
| 667 | 631 | Nazia Square | NEW KARACHI | 35.0% | 15.0% | 2024 |
| 668 | 632 | Pole17 | NORTH KARACHI | 36.5% | 15.0% | 2024 |
| 669 | 632 | Pole17 | NORTH KARACHI | 35.4% | 15.0% | 2024 |
| 670 | 698 | Islamia Colony | ORANGI-I | 35.3% | 15.0% | 2024 |
| 671 | 3333 | Peoples Colony | NORTH NAZIMABAD | 37.5% | 15.0% | 2024 |
| 672 | 130 | Faqir Colony | ORANGI-I | 40.3% | 15.0% | 2024 |
| 673 | 3338 | Mansoor Sher | BALDIA | 41.6% | 15.0% | 2024 |
| 674 | 143 | Kohinoor 2 | BALDIA | 38.1% | 15.0% | 2024 |
| 675 | 143 | Kohinoor 2 | BALDIA | 42.8% | 15.0% | 2024 |
| 676 | 134 | Afridi Colony | BALDIA | 36.9% | 15.0% | 2024 |
| 677 | 1160 | SUPARCO Road P-01 | BALDIA | 39.8% | 15.0% | 2024 |
| 678 | 130 | Faqir Colony | ORANGI-I | 43.1% | 15.0% | 2024 |
| 679 | 3402 | Badshah Khan | CLIFTON | 39.7% | 15.0% | 2024 |
| 680 | 1172 | Mundra Chowk | CLIFTON | 41.8% | 15.0% | 2024 |
| 681 | 87 | Poonawala | CLIFTON | 36.3% | 15.0% | 2024 |
| 682 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 36.6% | 15.0% | 2024 |
| 683 | 1306 | Haji Ismail | LYARI-I | 42.3% | 15.0% | 2024 |
| 684 | 1306 | Haji Ismail | LYARI-I | 40.9% | 15.0% | 2024 |
| 685 | 698 | Islamia Colony | ORANGI-I | 38.2% | 15.0% | 2024 |
| 686 | 802 | Metroville | ORANGI-I | 35.1% | 15.0% | 2024 |
| 687 | 3507 | Kernaal Basti | BAHADURABAD | 41.6% | 15.0% | 2024 |
| 688 | 1362 | Time Press | BAHADURABAD | 43.0% | 15.0% | 2024 |
| 689 | 1362 | Time Press | BAHADURABAD | 35.1% | 15.0% | 2024 |
| 690 | 3507 | Kernaal Basti | BAHADURABAD | 43.3% | 15.0% | 2024 |
| 691 | 3507 | Kernaal Basti | BAHADURABAD | 40.9% | 15.0% | 2024 |
| 692 | 698 | Islamia Colony | ORANGI-I | 36.8% | 15.0% | 2024 |
| 693 | 652 | Zaib un Nisa | NORTH KARACHI | 35.9% | 15.0% | 2024 |
| 694 | 3366 | Health Care | NEW KARACHI | 31.3% | 15.0% | 2024 |
| 695 | 2034 | Gul Noor Ice | F.B. AREA | 32.4% | 15.0% | 2024 |
| 696 | 243 | Salceem Terrace | LAYARI-II | 33.3% | 15.0% | 2024 |
| 697 | 3332 | Azceem Plaza | LAYARI-II | 33.1% | 15.0% | 2024 |
| 698 | 245 | Rexer Lane | SITE | 33.7% | 15.0% | 2024 |
| 699 | 1579 | Khokrapar RMU | MAJIR | 34.0% | 15.0% | 2024 |
| 700 | 3366 | Health Care | NEW KARACHI | 34.7% | 15.0% | 2024 |
| 701 | 3333 | Peoples Colony | NORTH NAZIMABAD | 31.6% | 15.0% | 2024 |
| 702 | 130 | Faqir Colony | ORANGI-I | 34.6% | 15.0% | 2024 |
| 703 | 143 | Kohinoor 2 | BALDIA | 34.5% | 15.0% | 2024 |
| 704 | 1162 | Happy Pan House | BALDIA | 34.6% | 15.0% | 2024 |
| 705 | 598 | Gulshan e Jami | MAJIR | 30.5% | 15.0% | 2024 |

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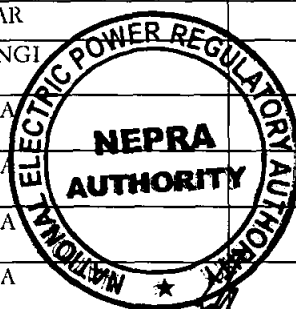
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|-----|------|------------------|-----------------|-------|-------|------|
| 706 | 87 | Poonawala | CLIFTON | 32.8% | 15.0% | 2024 |
| 707 | 573 | Lea Market | LAYARI-II | 32.3% | 15.0% | 2024 |
| 708 | 1306 | Haji Ismail | LYARI-I | 33.0% | 15.0% | 2024 |
| 709 | 3490 | Bahdadi | LYARI-I | 33.8% | 15.0% | 2024 |
| 710 | 3540 | Waqas CNG RMU | BAHADURABAD | 33.0% | 15.0% | 2024 |
| 711 | 3540 | Waqas CNG RMU | BAHADURABAD | 34.0% | 15.0% | 2024 |
| 712 | 1362 | Time Press | BAHADURABAD | 31.4% | 15.0% | 2024 |
| 713 | 626 | Barkat Market | NORTH KARACHI | 34.9% | 15.0% | 2024 |
| 714 | 3437 | North Vista | NORTH NAZIMABAD | 33.4% | 15.0% | 2024 |
| 715 | 2018 | Peetal Gali SS | NAZIMABAD | 34.2% | 15.0% | 2024 |
| 716 | 1300 | Pakistan Ice | LAYARI-II | 34.7% | 15.0% | 2024 |
| 717 | 1310 | Gharib Shah | LAYARI-II | 32.4% | 15.0% | 2024 |
| 718 | 3490 | Bahdadi | LYARI-I | 30.6% | 15.0% | 2024 |
| 719 | 1171 | Kemari Center | CLIFTON | 34.6% | 15.0% | 2024 |
| 720 | 3384 | Masan Road | CLIFTON | 30.6% | 15.0% | 2024 |
| 721 | 3384 | Masan Road | CLIFTON | 34.2% | 15.0% | 2024 |
| 722 | 3384 | Masan Road | CLIFTON | 33.6% | 15.0% | 2024 |
| 723 | 2042 | Falak Noor RMU | LYARI-I | 33.9% | 15.0% | 2024 |
| 724 | 571 | Machar Colony | LYARI-I | 32.7% | 15.0% | 2024 |
| 725 | 3488 | ikhlaq Chowk | LYARI-I | 33.5% | 15.0% | 2024 |
| 726 | 880 | Hyat Baig | SURJANI | 34.4% | 15.0% | 2024 |
| 727 | 880 | Hyat Baig | SURJANI | 34.8% | 15.0% | 2024 |
| 728 | 3182 | Mundra Chowk 2 | CLIFTON | 34.1% | 15.0% | 2024 |
| 729 | 3182 | Mundra Chowk 2 | CLIFTON | 32.3% | 15.0% | 2024 |
| 730 | 192 | Chand Market | F.B. AREA | 33.6% | 15.0% | 2024 |
| 731 | 2021 | Haji Mureed Goth | NAZIMABAD | 34.8% | 15.0% | 2024 |
| 732 | 880 | Hyat Baig | SURJANI | 32.0% | 15.0% | 2024 |
| 733 | 631 | Nazia Square | NEW KARACHI | 33.2% | 15.0% | 2024 |
| 734 | 631 | Nazia Square | NEW KARACHI | 32.9% | 15.0% | 2024 |
| 735 | 444 | Pak High Oil | KIMZ | 30.5% | 15.0% | 2024 |
| 736 | 1336 | Commercial Cold | LAYARI-II | 33.3% | 15.0% | 2024 |
| 737 | 1579 | Khokrapar RMU | MALIR | 34.4% | 15.0% | 2024 |
| 738 | 3490 | Bahdadi | LYARI-I | 34.9% | 15.0% | 2024 |
| 739 | 135 | Pakistan Bazar | BALDIA | 31.7% | 15.0% | 2024 |
| 740 | 3338 | Mansoor Sher | BALDIA | 34.4% | 15.0% | 2024 |
| 741 | 567 | Behar pump | LAYARI-II | 30.2% | 15.0% | 2024 |
| 742 | 1310 | Gharib Shah | LAYARI-II | 30.9% | 15.0% | 2024 |
| 743 | 3409 | Baraf Khana | MALIR | 32.7% | 15.0% | 2024 |
| 744 | 134 | Afridi Colony | BALDIA | 34.6% | 15.0% | 2024 |
| 745 | 134 | Afridi Colony | BALDIA | 34.9% | 15.0% | 2024 |
| 746 | 3620 | Bilal Masjid | MALIR | 34.3% | 15.0% | 2024 |
| 747 | 3332 | Azeem Plaza | LAYARI-II | 34.6% | 15.0% | 2024 |
| 748 | 895 | DMC | GARDEN | 32.0% | 15.0% | 2024 |
| 749 | 243 | Saleem Terrace | LAYARI-II | 34.4% | 15.0% | 2024 |
| 750 | 87 | Poonawala | CLIFTON | 33.1% | 15.0% | 2024 |
| 751 | 3488 | ikhlaq Chowk | LYARI-I | 34.2% | 15.0% | 2024 |



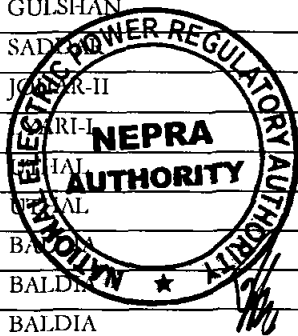
Annex - S

| | | | | | | |
|-----|------|------------------------|-----------------|-------|-------|------|
| 752 | 3409 | Baraf Khana | MALIR | 33.1% | 15.0% | 2024 |
| 753 | 1300 | Pakistan Ice | LAYARI-II | 32.2% | 15.0% | 2024 |
| 754 | 3488 | ikhlaq Chowk | LYARI-I | 31.6% | 15.0% | 2024 |
| 755 | 3042 | Chakra Goth RMU | KORANGI | 32.6% | 15.0% | 2024 |
| 756 | 852 | Okhai Memon | LYARI-I | 31.6% | 15.0% | 2024 |
| 757 | 135 | Pakistan Bazar | BALDIA | 34.9% | 15.0% | 2024 |
| 758 | 3693 | Shah Waliullah | LYARI-I | 32.6% | 15.0% | 2024 |
| 759 | 98 | Milk Plant | BAHADURABAD | 57.5% | 15.0% | 2025 |
| 760 | 2038 | Ghazi Town | MALIR | 71.6% | 15.0% | 2025 |
| 761 | 1578 | Degree Science College | MALIR | 66.7% | 15.0% | 2025 |
| 762 | 3616 | Dairy Queen | SURJANI | 61.6% | 15.0% | 2025 |
| 763 | 879 | Yousuf Goth | SURJANI | 61.5% | 15.0% | 2025 |
| 764 | 3335 | Dental College | NORTH NAZIMABAD | 70.6% | 15.0% | 2025 |
| 765 | 3327 | Falcon House | NORTH KARACHI | 63.0% | 15.0% | 2025 |
| 766 | 2123 | Aligarh Colony | ORANGI-I | 67.2% | 15.0% | 2025 |
| 767 | 640 | Muslim Town | NORTH KARACHI | 63.1% | 15.0% | 2025 |
| 768 | 3481 | Qader Khan | LYARI-I | 59.6% | 15.0% | 2025 |
| 769 | 203 | Punjab Colony | CLIFTON | 51.9% | 15.0% | 2025 |
| 770 | 3348 | County Garden | JOHAR-II | 69.6% | 15.0% | 2025 |
| 771 | 256 | Incom Tax Office | SADDAR | 58.1% | 15.0% | 2025 |
| 772 | 471 | Comperhensive School | KORANGI | 66.3% | 15.0% | 2025 |
| 773 | 3626 | Musharaf Colony RMU | BALDIA | 63.5% | 15.0% | 2025 |
| 774 | 3626 | Musharaf Colony RMU | BALDIA | 54.0% | 15.0% | 2025 |
| 775 | 3626 | Musharaf Colony RMU | BALDIA | 59.3% | 15.0% | 2025 |
| 776 | 3626 | Musharaf Colony RMU | BALDIA | 60.8% | 15.0% | 2025 |
| 777 | 3416 | Pipe Factory | GULSHAN | 50.7% | 15.0% | 2025 |
| 778 | 82 | Caltex | CLIFTON | 52.6% | 15.0% | 2025 |
| 779 | 2176 | NTR | SADDAR | 46.6% | 15.0% | 2025 |
| 780 | 1269 | Nazimabad Pmp 1 + Cap1 | NAZIMABAD | 48.0% | 15.0% | 2025 |
| 781 | 386 | Cattle Colony RMU | BIN QASIM | 57.8% | 15.0% | 2025 |
| 782 | 402 | Super Highway Pumping | GADAP | 55.9% | 15.0% | 2025 |
| 783 | 3727 | Ahsan Medical Rmu | SURJANI | 53.9% | 15.0% | 2025 |
| 784 | 2055 | Bus Terminal | BALDIA | 49.3% | 15.0% | 2025 |
| 785 | 3028 | Balochistan Board | UTHAL | 50.0% | 15.0% | 2025 |
| 786 | 179 | Tibbet Center | SADDAR | 70.4% | 15.0% | 2025 |
| 787 | 3312 | Millat Town RMU | KIMZ | 46.4% | 15.0% | 2025 |
| 788 | 3312 | Millat Town RMU | KIMZ | 49.8% | 15.0% | 2025 |
| 789 | 3312 | Millat Town RMU | KIMZ | 57.3% | 15.0% | 2025 |
| 790 | 3312 | Millat Town RMU | KIMZ | 49.0% | 15.0% | 2025 |
| 791 | 3312 | Millat Town RMU | KIMZ | 47.9% | 15.0% | 2025 |
| 792 | 626 | Barkat Market | NORTH KARACHI | 56.7% | 15.0% | 2025 |
| 793 | 588 | Urdu Nagar | MALIR | 48.9% | 15.0% | 2025 |
| 794 | 3442 | Rupali RMU | GADAP | 49.5% | 15.0% | 2025 |



Annex - S

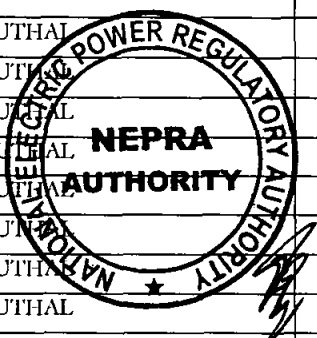
| | | | | | | |
|-----|------|------------------------|-----------------|-------|-------|------|
| 795 | 3028 | Balochistan Board | UTHAL | 67.6% | 15.0% | 2025 |
| 796 | 2021 | Haji Mureed Goth | NAZIMABAD | 51.8% | 15.0% | 2025 |
| 797 | 3038 | Uthal Bazar | UTHAL | 45.3% | 15.0% | 2025 |
| 798 | 1282 | Saifal Goth | GADAP | 47.2% | 15.0% | 2025 |
| 799 | 3748 | Al-Akhwan Masjid | NORTH KARACHI | 51.1% | 15.0% | 2025 |
| 800 | 3507 | Kernaal Basti | BAHADURABAD | 59.3% | 15.0% | 2025 |
| 801 | 380 | Old Jaccoblinc | BAHADURABAD | 48.7% | 15.0% | 2025 |
| 802 | 3613 | Umer RMU | SHAH FAISAL | 59.9% | 15.0% | 2025 |
| 803 | 399 | Hadiabad | GADAP | 58.2% | 15.0% | 2025 |
| 804 | 399 | Hadiabad | GADAP | 72.2% | 15.0% | 2025 |
| 805 | 442 | Gas Trubine | KIMZ | 51.2% | 15.0% | 2025 |
| 806 | 409 | Green Land City | JOHAR-II | 67.2% | 15.0% | 2025 |
| 807 | 1280 | Ahsanabad | GADAP | 67.4% | 15.0% | 2025 |
| 808 | 1282 | Saifal Goth | GADAP | 54.7% | 15.0% | 2025 |
| 809 | 131 | Bilal Coach | BALDIA | 48.9% | 15.0% | 2025 |
| 810 | 3100 | Al Hira Masjid | NORTH KARACHI | 65.4% | 15.0% | 2025 |
| 811 | 3334 | Punjabi Saudagran | JOHAR-II | 65.2% | 15.0% | 2025 |
| 812 | 3334 | Punjabi Saudagran | JOHAR-II | 71.5% | 15.0% | 2025 |
| 813 | 3334 | Punjabi Saudagran | JOHAR-II | 70.5% | 15.0% | 2025 |
| 814 | 3334 | Punjabi Saudagran | JOHAR-II | 54.5% | 15.0% | 2025 |
| 815 | 3385 | Rasool Bagh | GARDEN | 46.4% | 15.0% | 2025 |
| 816 | 414 | Kaka Khail | GADAP | 48.2% | 15.0% | 2025 |
| 817 | 3100 | Al Hira Masjid | NORTH KARACHI | 61.5% | 15.0% | 2025 |
| 818 | 3237 | Mehmoodabad ABC | TIPU SULTAN | 49.4% | 15.0% | 2025 |
| 819 | 3237 | Mehmoodabad ABC | TIPU SULTAN | 49.2% | 15.0% | 2025 |
| 820 | 3237 | Mehmoodabad ABC | TIPU SULTAN | 45.2% | 15.0% | 2025 |
| 821 | 284 | Malir City | SHAH FAISAL | 51.0% | 15.0% | 2025 |
| 822 | 812 | Old Golimar | SITE | 62.5% | 15.0% | 2025 |
| 823 | 879 | Yousuf Goth | SURJANI | 52.0% | 15.0% | 2025 |
| 824 | 3091 | Miangiani RMU | UTHAL | 48.6% | 15.0% | 2025 |
| 825 | 3030 | Degash | UTHAL | 48.0% | 15.0% | 2025 |
| 826 | 329 | Mujahid Colony | GULSHAN | 59.6% | 15.0% | 2025 |
| 827 | 2144 | Radio Pakistan | SADP | 47.1% | 15.0% | 2025 |
| 828 | 2153 | Usman Terrace | JOHAR-II | 53.9% | 15.0% | 2025 |
| 829 | 3490 | Bahdadi | JOHAR-II | 62.1% | 15.0% | 2025 |
| 830 | 3029 | International Gum | UTHAL | 49.8% | 15.0% | 2025 |
| 831 | 3029 | International Gum | UTHAL | 49.1% | 15.0% | 2025 |
| 832 | 144 | Gol Sabeel | BAHADURABAD | 46.1% | 15.0% | 2025 |
| 833 | 783 | KDA Pump Baldia | BALDIA | 53.0% | 15.0% | 2025 |
| 834 | 917 | Police Training Center | BALDIA | 49.8% | 15.0% | 2025 |
| 835 | 3017 | Sindbad + Cap4 | GULSHAN | 48.4% | 15.0% | 2025 |
| 836 | 2082 | Lady Park + Cap 1 | TIPU SULTAN | 45.4% | 15.0% | 2025 |
| 837 | 659 | Paharganj RMU | NORTH NAZIMABAD | 63.7% | 15.0% | 2025 |
| 838 | 3419 | Johar Complex | JOHAR-II | 50.0% | 15.0% | 2025 |
| 839 | 3661 | Sector 6B Mehran Town | KIMZ | 52.6% | 15.0% | 2025 |
| 840 | 665 | National Center | NORTH NAZIMABAD | 53.0% | 15.0% | 2025 |



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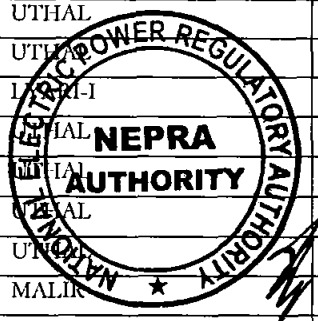
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| | | | | | | |
|-----|------|------------------------|-----------|-------|-------|------|
| 841 | 3182 | Mundra Chowk 2 | CLIFTON | 46.1% | 15.0% | 2025 |
| 842 | 3030 | Degash | UTHAL | 59.1% | 15.0% | 2025 |
| 843 | 3606 | Mangalabad | UTHAL | 50.5% | 15.0% | 2025 |
| 844 | 3626 | Musharaf Colony RMU | BALDIA | 49.6% | 15.0% | 2025 |
| 845 | 3626 | Musharaf Colony RMU | BALDIA | 61.0% | 15.0% | 2025 |
| 846 | 3626 | Musharaf Colony RMU | BALDIA | 46.7% | 15.0% | 2025 |
| 847 | 3091 | Miangiani RMU | UTHAL | 48.1% | 15.0% | 2025 |
| 848 | 3242 | Railway Colony | SADDAR | 53.8% | 15.0% | 2025 |
| 849 | 3185 | Lateef Jute | UTHAL | 49.1% | 15.0% | 2025 |
| 850 | 3031 | Pawel Cel | UTHAL | 62.2% | 15.0% | 2025 |
| 851 | 3184 | Jumma Khan RMU | UTHAL | 70.8% | 15.0% | 2025 |
| 852 | 3184 | Jumma Khan RMU | UTHAL | 45.5% | 15.0% | 2025 |
| 853 | 3915 | Ferrari | BALDIA | 52.3% | 15.0% | 2025 |
| 854 | 3048 | Korangi Zoo | KORANGI | 48.9% | 15.0% | 2025 |
| 855 | 50 | Islamic Mission SS | KIMZ | 54.8% | 15.0% | 2025 |
| 856 | 3345 | Pulia Wali RMU | ORANGI-I | 46.1% | 15.0% | 2025 |
| 857 | 3903 | CAFÉ BHANGORIA | F.B. AREA | 47.3% | 15.0% | 2025 |
| 858 | 3184 | Jumma Khan RMU | UTHAL | 50.1% | 15.0% | 2025 |
| 859 | 3915 | Ferrari | BALDIA | 54.7% | 15.0% | 2025 |
| 860 | 3184 | Jumma Khan RMU | UTHAL | 47.2% | 15.0% | 2025 |
| 861 | 3184 | Jumma Khan RMU | UTHAL | 52.6% | 15.0% | 2025 |
| 862 | 3184 | Jumma Khan RMU | UTHAL | 46.7% | 15.0% | 2025 |
| 863 | 3184 | Jumma Khan RMU | UTHAL | 49.9% | 15.0% | 2025 |
| 864 | 3606 | Mangalabad | UTHAL | 48.1% | 15.0% | 2025 |
| 865 | 3184 | Jumma Khan RMU | UTHAL | 55.5% | 15.0% | 2025 |
| 866 | 3184 | Jumma Khan RMU | UTHAL | 47.7% | 15.0% | 2025 |
| 867 | 3184 | Jumma Khan RMU | UTHAL | 56.3% | 15.0% | 2025 |
| 868 | 3184 | Jumma Khan RMU | UTHAL | 48.6% | 15.0% | 2025 |
| 869 | 3184 | Jumma Khan RMU | UTHAL | 45.8% | 15.0% | 2025 |
| 870 | 3184 | Jumma Khan RMU | UTHAL | 45.6% | 15.0% | 2025 |
| 871 | 3184 | Jumma Khan RMU | UTHAL | 45.5% | 15.0% | 2025 |
| 872 | 3184 | Jumma Khan RMU | UTHAL | 57.0% | 15.0% | 2025 |
| 873 | 1353 | Global City | SURJANI | 52.0% | 15.0% | 2025 |
| 874 | 3028 | Balochistan Board | UTHAL | 57.6% | 15.0% | 2025 |
| 875 | 3028 | Balochistan Board | UTHAL | 51.9% | 15.0% | 2025 |
| 876 | 3606 | Mangalabad | UTHAL | 65.3% | 15.0% | 2025 |
| 877 | 3606 | Mangalabad | UTHAL | 53.5% | 15.0% | 2025 |
| 878 | 3606 | Mangalabad | UTHAL | 61.4% | 15.0% | 2025 |
| 879 | 3606 | Mangalabad | UTHAL | 59.7% | 15.0% | 2025 |
| 880 | 679 | Behar Colony | LAYARI-II | 50.9% | 15.0% | 2025 |
| 881 | 3606 | Mangalabad | UTHAL | 61.1% | 15.0% | 2025 |
| 882 | 3606 | Mangalabad | UTHAL | 58.0% | 15.0% | 2025 |
| 883 | 1300 | Pakistan Ice | LAYARI-II | 60.4% | 15.0% | 2025 |
| 884 | 3031 | Pawel Cel | UTHAL | 49.7% | 15.0% | 2025 |
| 885 | 3031 | Pawel Cel | UTHAL | 52.6% | 15.0% | 2025 |



Annex - S

| | | | | | | |
|-----|------|-----------------------|-------------|-------|-------|------|
| 886 | 3031 | Pawel Cel | UTHAL | 47.7% | 15.0% | 2025 |
| 887 | 2065 | Abidabad | ORANGI-I | 45.5% | 15.0% | 2025 |
| 888 | 3031 | Pawel Cel | UTHAL | 50.7% | 15.0% | 2025 |
| 889 | 3031 | Pawel Cel | UTHAL | 51.4% | 15.0% | 2025 |
| 890 | 3029 | International Gum | UTHAL | 52.2% | 15.0% | 2025 |
| 891 | 141 | Iqbal Road | BALDIA | 54.8% | 15.0% | 2025 |
| 892 | 2043 | Nucleus House | KORANGI | 53.7% | 15.0% | 2025 |
| 893 | 460 | Korangi Tel Ex 2 | KORANGI | 46.7% | 15.0% | 2025 |
| 894 | 460 | Korangi Tel Ex 2 | KORANGI | 57.8% | 15.0% | 2025 |
| 895 | 3620 | Bilal Masjid | MALIR | 48.6% | 15.0% | 2025 |
| 896 | 500 | Zoristan S/S | TIPU SULTAN | 45.2% | 15.0% | 2025 |
| 897 | 440 | Korangi Tel Exch 1 | KORANGI | 58.4% | 15.0% | 2025 |
| 898 | 818 | Al Mahroof | NAZIMABAD | 46.1% | 15.0% | 2025 |
| 899 | 3030 | Degash | UTHAL | 65.2% | 15.0% | 2025 |
| 900 | 200 | City Govt Press | GARDEN | 47.3% | 15.0% | 2025 |
| 901 | 3865 | Knowledge School | NEW KARACHI | 60.4% | 15.0% | 2025 |
| 902 | 3626 | Musharaf Colony RMU | BALDIA | 48.2% | 15.0% | 2025 |
| 903 | 3626 | Musharaf Colony RMU | BALDIA | 57.2% | 15.0% | 2025 |
| 904 | 3626 | Musharaf Colony RMU | BALDIA | 58.1% | 15.0% | 2025 |
| 905 | 3417 | Senator Mazhar | GADAP | 54.6% | 15.0% | 2025 |
| 906 | 3091 | Miangiani RMU | UTHAL | 73.3% | 15.0% | 2025 |
| 907 | 3030 | Degash | UTHAL | 57.5% | 15.0% | 2025 |
| 908 | 3481 | Qader Khan | LAYARI-I | 53.4% | 15.0% | 2025 |
| 909 | 3030 | Degash | UTHAL | 57.2% | 15.0% | 2025 |
| 910 | 3185 | Lateef Jute | UTHAL | 51.3% | 15.0% | 2025 |
| 911 | 3029 | International Gum | UTHAL | 72.0% | 15.0% | 2025 |
| 912 | 3606 | Mangalabad | UTHAL | 61.7% | 15.0% | 2025 |
| 913 | 1571 | Tel Exchange | MALIR | 71.8% | 15.0% | 2025 |
| 914 | 3879 | Tulip Tower | JOHAR-II | 46.5% | 15.0% | 2025 |
| 915 | 460 | Korangi Tel Ex 2 | KORANGI | 45.8% | 15.0% | 2025 |
| 916 | 402 | Super Highway Pumping | GADAP | 56.6% | 15.0% | 2025 |
| 917 | 584 | Small Industry | MALIR | 59.7% | 15.0% | 2025 |
| 918 | 3905 | Salman Height | NAZIMABAD | 51.4% | 15.0% | 2025 |
| 919 | 677 | Moosa Lane RMU | LAYARI-II | 57.7% | 15.0% | 2025 |
| 920 | 1172 | Mundra Chowk | CLIFTON | 48.8% | 15.0% | 2025 |
| 921 | 679 | Behar Colony | LAYARI-II | 50.0% | 15.0% | 2025 |
| 922 | 3185 | Lateef Jute | UTHAL | 55.0% | 15.0% | 2025 |
| 923 | 683 | Lawrence Apartments | LAYARI-II | 62.7% | 15.0% | 2025 |
| 924 | 2012 | Delhi College | F.B. AREA | 68.0% | 15.0% | 2025 |
| 925 | 3476 | Post Office Society | JOHAR-II | 59.9% | 15.0% | 2025 |
| 926 | 3729 | Anamta Society | SURJANI | 49.4% | 15.0% | 2025 |
| 927 | 3300 | King Hatchery | BIN QASIM | 52.1% | 15.0% | 2025 |
| 928 | 1571 | Tel Exchange | MALIR | 62.9% | 15.0% | 2025 |
| 929 | 1271 | Abbasi Market | MALIR | 51.3% | 15.0% | 2025 |

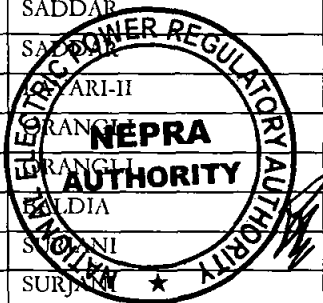


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| | | | | | | |
|-----|------|----------------------------|-----------------|-------|-------|------|
| 930 | 884 | Al Watan | SURJANI | 47.0% | 15.0% | 2025 |
| 931 | 682 | Ana Crown | LAYARI-II | 52.4% | 15.0% | 2025 |
| 932 | 405 | Asphalt Plant | GADAP | 66.9% | 15.0% | 2025 |
| 933 | 405 | Asphalt Plant | GADAP | 68.8% | 15.0% | 2025 |
| 934 | 3524 | Khyaban | MALIR | 54.4% | 15.0% | 2025 |
| 935 | 3524 | Khyaban | MALIR | 57.5% | 15.0% | 2025 |
| 936 | 3524 | Khyaban | MALIR | 53.6% | 15.0% | 2025 |
| 937 | 3524 | Khyaban | MALIR | 47.8% | 15.0% | 2025 |
| 938 | 3524 | Khyaban | MALIR | 64.1% | 15.0% | 2025 |
| 939 | 3524 | Khyaban | MALIR | 59.5% | 15.0% | 2025 |
| 940 | 791 | Usmania Colony | NAZIMABAD | 37.5% | 15.0% | 2025 |
| 941 | 3053 | Hazara Goth RMU | GULSHAN | 37.6% | 15.0% | 2025 |
| 942 | 3565 | Chiniot Hospital | KORANGI | 37.9% | 15.0% | 2025 |
| 943 | 329 | Mujahid Colony | GULSHAN | 44.5% | 15.0% | 2025 |
| 944 | 330 | Rub Center | GULSHAN | 39.3% | 15.0% | 2025 |
| 945 | 3481 | Qader Khan | LYARI-I | 44.2% | 15.0% | 2025 |
| 946 | 3481 | Qader Khan | LYARI-I | 35.9% | 15.0% | 2025 |
| 947 | 576 | Ghosia Road | LYARI-I | 39.8% | 15.0% | 2025 |
| 948 | 2100 | Rufi Heaven | GULSHAN | 44.7% | 15.0% | 2025 |
| 949 | 3169 | NED | JOHAR-II | 38.5% | 15.0% | 2025 |
| 950 | 668 | Mustafabad Pumping Station | NORTH NAZIMABAD | 42.8% | 15.0% | 2025 |
| 951 | 812 | Old Golimar | SITE | 42.6% | 15.0% | 2025 |
| 952 | 572 | Lyari Ice | LYARI-I | 39.5% | 15.0% | 2025 |
| 953 | 2167 | COP RMU | BAHADURABAD | 38.7% | 15.0% | 2025 |
| 954 | 3104 | Suleman Arcade | BAHADURABAD | 38.1% | 15.0% | 2025 |
| 955 | 572 | Lyari Ice | LYARI-I | 43.7% | 15.0% | 2025 |
| 956 | 3449 | Pole 10 | NORTH KARACHI | 37.1% | 15.0% | 2025 |
| 957 | 3603 | Imam Clinic | NORTH NAZIMABAD | 43.1% | 15.0% | 2025 |
| 958 | 2167 | COP RMU | BAHADURABAD | 43.5% | 15.0% | 2025 |
| 959 | 3489 | Sweeper Quarter | BAHADURABAD | 44.1% | 15.0% | 2025 |
| 960 | 370 | Jacobline Cmplx 1 | BAHADURABAD | 42.1% | 15.0% | 2025 |
| 961 | 370 | Jacobline Cmplx 1 | BAHADURABAD | 40.4% | 15.0% | 2025 |
| 962 | 2167 | COP RMU | BAHADURABAD | 39.8% | 15.0% | 2025 |
| 963 | 2167 | COP RMU | BAHADURABAD | 43.1% | 15.0% | 2025 |
| 964 | 895 | DMC | GULSHAN | 39.6% | 15.0% | 2025 |
| 965 | 3489 | Sweeper Quarter | BAHADURABAD | 38.5% | 15.0% | 2025 |
| 966 | 2167 | COP RMU | BAHADURABAD | 42.2% | 15.0% | 2025 |
| 967 | 793 | Peerabad | ORANGI-I | 38.7% | 15.0% | 2025 |
| 968 | 793 | Peerabad | ORANGI-I | 35.3% | 15.0% | 2025 |
| 969 | 776 | Orangi Medicos | ORANGI-I | 40.9% | 15.0% | 2025 |
| 970 | 776 | Orangi Medicos | ORANGI-I | 39.5% | 15.0% | 2025 |
| 971 | 380 | Old Jaccobline | BAHADURABAD | 42.5% | 15.0% | 2025 |
| 972 | 3104 | Suleman Arcade | BAHADURABAD | 43.1% | 15.0% | 2025 |
| 973 | 783 | KDA Pump Baldia | BALDIA | 37.4% | 15.0% | 2025 |
| 974 | 783 | KDA Pump Baldia | BALDIA | 35.2% | 15.0% | 2025 |
| 975 | 1360 | Minister Residency | CLIFTON | 44.9% | 15.0% | 2025 |

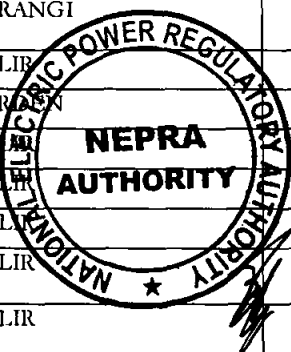
Annex - S

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|------|------|---------------------------|-----------------|-------|-------|------|
| 976 | 3727 | Ahsan Medical Rmu | SURJANI | 37.4% | 15.0% | 2025 |
| 977 | 3529 | Abdullah More | SURJANI | 35.1% | 15.0% | 2025 |
| 978 | 3727 | Ahsan Medical Rmu | SURJANI | 43.5% | 15.0% | 2025 |
| 979 | 3905 | Salman Height | NAZIMABAD | 44.4% | 15.0% | 2025 |
| 980 | 774 | MPMY + Cap5 | SITE | 38.7% | 15.0% | 2025 |
| 981 | 3534 | Gujrat Colony RMU | BAHADURABAD | 42.1% | 15.0% | 2025 |
| 982 | 371 | Water Boosting | BAHADURABAD | 43.6% | 15.0% | 2025 |
| 983 | 568 | Fida Hussain Shaikha Road | LYARI-I | 37.7% | 15.0% | 2025 |
| 984 | 639 | Maraqba Hall | NEW KARACHI | 38.1% | 15.0% | 2025 |
| 985 | 649 | Modern Complex | NORTH KARACHI | 35.9% | 15.0% | 2025 |
| 986 | 1305 | New Khumarwara | LAYARI-II | 38.8% | 15.0% | 2025 |
| 987 | 649 | Modern Complex | NORTH KARACHI | 40.3% | 15.0% | 2025 |
| 988 | 566 | Old Haji Camp | LAYARI-II | 42.0% | 15.0% | 2025 |
| 989 | 3345 | Pulia Wali RMU | ORANGI-I | 39.5% | 15.0% | 2025 |
| 990 | 879 | Yousuf Goth | SURJANI | 39.4% | 15.0% | 2025 |
| 991 | 879 | Yousuf Goth | SURJANI | 42.0% | 15.0% | 2025 |
| 992 | 25 | Jahangir | CLIFTON | 44.9% | 15.0% | 2025 |
| 993 | 3187 | Korangi Crossing | KIMZ | 40.8% | 15.0% | 2025 |
| 994 | 745 | Handi Craft | SADDAR | 39.9% | 15.0% | 2025 |
| 995 | 1310 | Gharib Shah | LAYARI-II | 43.8% | 15.0% | 2025 |
| 996 | 682 | Ana Crown | LAYARI-II | 37.4% | 15.0% | 2025 |
| 997 | 853 | Slaughter House | LAYARI-II | 40.8% | 15.0% | 2025 |
| 998 | 853 | Slaughter House | LAYARI-II | 38.1% | 15.0% | 2025 |
| 999 | 2008 | Court Road | SADDAR | 39.3% | 15.0% | 2025 |
| 1000 | 756 | Haji Camp | SADDAR | 38.9% | 15.0% | 2025 |
| 1001 | 3529 | Abdullah More | SURJANI | 37.2% | 15.0% | 2025 |
| 1002 | 756 | Haji Camp | SADDAR | 36.1% | 15.0% | 2025 |
| 1003 | 735 | Hijrat Colony | SADDAR | 44.2% | 15.0% | 2025 |
| 1004 | 735 | Hijrat Colony | SADDAR | 37.5% | 15.0% | 2025 |
| 1005 | 735 | Hijrat Colony | SADDAR | 40.6% | 15.0% | 2025 |
| 1006 | 2044 | People Foundation | SADDAR | 44.7% | 15.0% | 2025 |
| 1007 | 1300 | Pakistan Ice | LAYARI-II | 37.7% | 15.0% | 2025 |
| 1008 | 3533 | Ahsan Hotel | ORANGI-I | 36.3% | 15.0% | 2025 |
| 1009 | 3533 | Ahsan Hotel | ORANGI-I | 39.7% | 15.0% | 2025 |
| 1010 | 131 | Bilal Coach | ORANGI-I | 43.6% | 15.0% | 2025 |
| 1011 | 3284 | Royal City | SURJANI | 43.7% | 15.0% | 2025 |
| 1012 | 880 | Hyat Baig | SURJANI | 39.2% | 15.0% | 2025 |
| 1013 | 1301 | Rauf Oil | LAYARI-II | 37.5% | 15.0% | 2025 |
| 1014 | 659 | Paharganj RMU | NORTH NAZIMABAD | 38.0% | 15.0% | 2025 |
| 1015 | 659 | Paharganj RMU | NORTH NAZIMABAD | 41.9% | 15.0% | 2025 |
| 1016 | 1291 | Block G | NORTH NAZIMABAD | 35.0% | 15.0% | 2025 |
| 1017 | 3488 | ikhlaq Chowk | LYARI-I | 35.7% | 15.0% | 2025 |
| 1018 | 580 | Amber Garments | MALIR | 42.8% | 15.0% | 2025 |
| 1019 | 2038 | Ghazi Town | MALIR | 42.0% | 15.0% | 2025 |
| 1020 | 3748 | Al-Akhwan Masjid | NORTH KARACHI | 41.6% | 15.0% | 2025 |
| 1021 | 653 | Karaka Pk | NORTH KARACHI | 44.6% | 15.0% | 2025 |

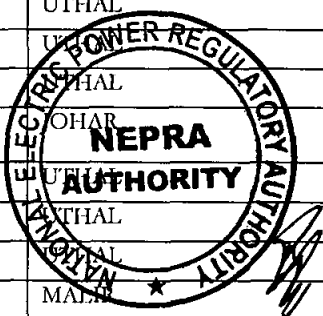


Annex - S

| | | | | | | |
|------|------|------------------------------|---------------|-------|-------|------|
| 1022 | 187 | New Karachi | NORTH KARACHI | 43.9% | 15.0% | 2025 |
| 1023 | 3145 | Miskeenabad | NORTH KARACHI | 42.9% | 15.0% | 2025 |
| 1024 | 2012 | Delhi College | F.B. AREA | 42.7% | 15.0% | 2025 |
| 1025 | 2019 | Dastgir Society | F.B. AREA | 35.5% | 15.0% | 2025 |
| 1026 | 562 | Masjid Khair ul Amal | NAZIMABAD | 35.9% | 15.0% | 2025 |
| 1027 | 813 | Shah E Karbala | NAZIMABAD | 37.0% | 15.0% | 2025 |
| 1028 | 650 | Nice Beaker | NORTH KARACHI | 35.6% | 15.0% | 2025 |
| 1029 | 648 | Saba Cinema | NORTH KARACHI | 35.7% | 15.0% | 2025 |
| 1030 | 3833 | Lodhi House | NORTH KARACHI | 41.7% | 15.0% | 2025 |
| 1031 | 633 | Best View (Old Surjani Town) | NEW KARACHI | 42.2% | 15.0% | 2025 |
| 1032 | 3932 | Gulistan Market RMU | KORANGI | 43.5% | 15.0% | 2025 |
| 1033 | 2028 | Bilal Chorangi | KORANGI | 35.5% | 15.0% | 2025 |
| 1034 | 471 | Comperhencive School | KORANGI | 40.3% | 15.0% | 2025 |
| 1035 | 588 | Urdu Nagar | MALIR | 36.7% | 15.0% | 2025 |
| 1036 | 1339 | YWCA | GARDEN | 36.6% | 15.0% | 2025 |
| 1037 | 588 | Urdu Nagar | MALIR | 44.7% | 15.0% | 2025 |
| 1038 | 580 | Amber Garments | MALIR | 35.4% | 15.0% | 2025 |
| 1039 | 1571 | Tel Exchange | MALIR | 41.3% | 15.0% | 2025 |
| 1040 | 1578 | Degree Science College | MALIR | 35.5% | 15.0% | 2025 |
| 1041 | 1578 | Degree Science College | MALIR | 44.5% | 15.0% | 2025 |
| 1042 | 3869 | Murce Goth | BIN QASIM | 35.1% | 15.0% | 2025 |
| 1043 | 1276 | Mes 105 | MALIR | 41.9% | 15.0% | 2025 |
| 1044 | 179 | Tibbet Center | SADDAR | 38.8% | 15.0% | 2025 |
| 1045 | 1345 | Raja Poultary Farm | BIN QASIM | 39.3% | 15.0% | 2025 |
| 1046 | 599 | Alcemabad | MALIR | 39.4% | 15.0% | 2025 |
| 1047 | 114 | Chawala Flats | GARDEN | 38.5% | 15.0% | 2025 |
| 1048 | 373 | Army Flats | BAHADURABAD | 39.6% | 15.0% | 2025 |
| 1049 | 2119 | Baba Wilayat Ali Shah | SHAH FAISAL | 40.3% | 15.0% | 2025 |
| 1050 | 756 | Haji Camp | SADDAR | 35.7% | 15.0% | 2025 |
| 1051 | 1305 | New Khumarwara | LAYARI-II | 38.2% | 15.0% | 2025 |
| 1052 | 360 | PECHS Block II | BAHADURABAD | 40.5% | 15.0% | 2025 |
| 1053 | 3601 | Fidhi Clinic | ORANGI-I | 39.4% | 15.0% | 2025 |
| 1054 | 3489 | Sweeper Quarter | BAHADURABAD | 35.5% | 15.0% | 2025 |
| 1055 | 145 | Sindh Constabulary | BALDIA | 37.6% | 15.0% | 2025 |
| 1056 | 365 | KDA low Cast | BAHADURABAD | 41.2% | 15.0% | 2025 |
| 1057 | 365 | KDA low Cast | BAHADURABAD | 40.6% | 15.0% | 2025 |
| 1058 | 3489 | Sweeper Quarter | BAHADURABAD | 36.0% | 15.0% | 2025 |
| 1059 | 374 | Mehbob Chamber | SADDAR | 35.0% | 15.0% | 2025 |
| 1060 | 2021 | Haji Mureed Goth | NAZIMABAD | 36.4% | 15.0% | 2025 |
| 1061 | 415 | Rizvia | JOHAR-II | 40.0% | 15.0% | 2025 |
| 1062 | 136 | Sacedabad | BALDIA | 44.9% | 15.0% | 2025 |
| 1063 | 1571 | Tel Exchange | MALIR | 40.8% | 15.0% | 2025 |
| 1064 | 2167 | COP RMU | BAHADURABAD | 40.4% | 15.0% | 2025 |
| 1065 | 735 | Hijrat Colony | SADDAR | 39.8% | 15.0% | 2025 |

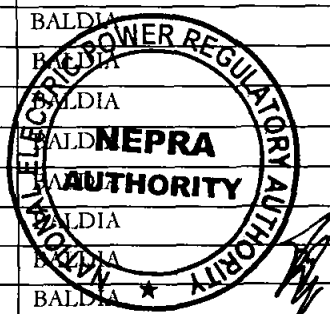


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|------|------|-------------------------------------|-------------|-------|-------|------|
| 1066 | 254 | Mazar e Quaid | BAHADURABAD | 38.3% | 15.0% | 2025 |
| 1067 | 2123 | Aligarh Colony | ORANGI-I | 35.7% | 15.0% | 2025 |
| 1068 | 682 | Ana Crown | LAYARI-II | 36.3% | 15.0% | 2025 |
| 1069 | 682 | Ana Crown | LAYARI-II | 35.5% | 15.0% | 2025 |
| 1070 | 3481 | Qader Khan | LYARI-I | 44.3% | 15.0% | 2025 |
| 1071 | 654 | Banaras Pumping | ORANGI-I | 39.6% | 15.0% | 2025 |
| 1072 | 15 | Parsi Trust SS | TIPU SULTAN | 37.8% | 15.0% | 2025 |
| 1073 | 3503 | Moona Arcade | BAHADURABAD | 36.2% | 15.0% | 2025 |
| 1074 | 3065 | Gulshan e Amin Tower | JOHAR | 41.6% | 15.0% | 2025 |
| 1075 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 36.9% | 15.0% | 2025 |
| 1076 | 614 | Maripur Center | BALDIA | 35.4% | 15.0% | 2025 |
| 1077 | 881 | Sahiban | SURJANI | 43.9% | 15.0% | 2025 |
| 1078 | 3490 | Bahdadi | LYARI-I | 40.0% | 15.0% | 2025 |
| 1079 | 1330 | PARCO 3 | KORANGI | 36.4% | 15.0% | 2025 |
| 1080 | 2167 | COP RMU | BAHADURABAD | 37.3% | 15.0% | 2025 |
| 1081 | 3142 | Gulshan View | JOHAR-II | 37.5% | 15.0% | 2025 |
| 1082 | 1219 | Dhorajee Colony | GULSHAN | 36.4% | 15.0% | 2025 |
| 1083 | 3528 | Johar Road PMT | TIPU SULTAN | 36.1% | 15.0% | 2025 |
| 1084 | 104 | Quality Builder | BAHADURABAD | 39.5% | 15.0% | 2025 |
| 1085 | 460 | Korangi Tel Ex 2 | KORANGI | 41.2% | 15.0% | 2025 |
| 1086 | 1336 | Commercial Cold | LAYARI-II | 35.6% | 15.0% | 2025 |
| 1087 | 3740 | Mid Point | LAYARI-II | 36.8% | 15.0% | 2025 |
| 1088 | 879 | Yousuf Goth | SURJANI | 43.6% | 15.0% | 2025 |
| 1089 | 1350 | Ever Green + Cap1 | SURJANI | 39.7% | 15.0% | 2025 |
| 1090 | 3091 | Miangiani RMU | UTHAL | 42.8% | 15.0% | 2025 |
| 1091 | 3028 | Balochistan Board | UTHAL | 35.0% | 15.0% | 2025 |
| 1092 | 3031 | Pawel Cel | UTHAL | 38.0% | 15.0% | 2025 |
| 1093 | 3030 | Degash | UTHAL | 42.5% | 15.0% | 2025 |
| 1094 | 3185 | Lateef Jute | UTHAL | 38.8% | 15.0% | 2025 |
| 1095 | 3184 | Jumma Khan RMU | UTHAL | 44.2% | 15.0% | 2025 |
| 1096 | 3065 | Gulshan e Amin Tower | JOHAR | 36.3% | 15.0% | 2025 |
| 1097 | 3031 | Pawel Cel | UTHAL | 35.4% | 15.0% | 2025 |
| 1098 | 3038 | Uthal Bazar | UTHAL | 39.3% | 15.0% | 2025 |
| 1099 | 3407 | Jam Mohd Yousuf | UTHAL | 44.6% | 15.0% | 2025 |
| 1100 | 588 | Urdu Nagar | MALIR | 44.4% | 15.0% | 2025 |
| 1101 | 1578 | Degree Science College | MALIR | 35.5% | 15.0% | 2025 |
| 1102 | 442 | Gas Trubine | KIMZ | 41.5% | 15.0% | 2025 |
| 1103 | 440 | Korangi Tel Exch 1 | KORANGI | 36.0% | 15.0% | 2025 |
| 1104 | 3546 | Sector 10 | KIMZ | 36.1% | 15.0% | 2025 |
| 1105 | 1353 | Global City | SURJANI | 40.9% | 15.0% | 2025 |
| 1106 | 449 | Ittihad oil | KORANGI | 43.8% | 15.0% | 2025 |
| 1107 | 431 | Roti Plant | KORANGI | 36.6% | 15.0% | 2025 |
| 1108 | 138 | Masjid e Akbar | BALDIA | 38.9% | 15.0% | 2025 |
| 1109 | 138 | Masjid e Akbar | BALDIA | 40.3% | 15.0% | 2025 |



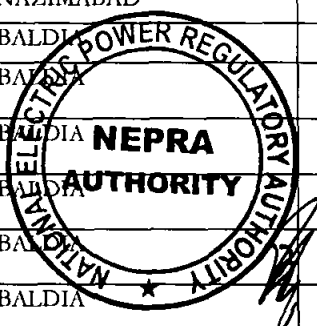
Annex - S

| | | | | | | |
|------|------|----------------------------------|-----------------|-------|-------|------|
| 1110 | 138 | Masjid e Akbar | BALDIA | 37.2% | 15.0% | 2025 |
| 1111 | 138 | Masjid e Akbar | BALDIA | 36.4% | 15.0% | 2025 |
| 1112 | 2087 | Sultanabad Police Station | ORANGI-I | 37.5% | 15.0% | 2025 |
| 1113 | 2087 | Sultanabad Police Station | ORANGI-I | 35.4% | 15.0% | 2025 |
| 1114 | 349 | Hunaid City | JOHAR | 35.4% | 15.0% | 2025 |
| 1115 | 3069 | Universal Height | JOHAR | 35.7% | 15.0% | 2025 |
| 1116 | 3546 | Sector 10 | KIMZ | 35.2% | 15.0% | 2025 |
| 1117 | 3244 | Veraval Patan + Cap3 | JOHAR-II | 40.7% | 15.0% | 2025 |
| 1118 | 29 | C.M.H | DEFENCE | 36.6% | 15.0% | 2025 |
| 1119 | 3536 | Abdul Mannan | GARDEN | 40.3% | 15.0% | 2025 |
| 1120 | 1326 | Abbasi Nagar | KORANGI | 37.1% | 15.0% | 2025 |
| 1121 | 1308 | Nawabad | LYARI-I | 40.0% | 15.0% | 2025 |
| 1122 | 1280 | Ahsanabad | GADAP | 38.1% | 15.0% | 2025 |
| 1123 | 53 | Mill Rock SS | KIMZ | 41.3% | 15.0% | 2025 |
| 1124 | 779 | Bismillah market (NOORANI HOTEL) | NAZIMABAD | 38.2% | 15.0% | 2025 |
| 1125 | 274 | Community Hall | SHAH FAISAL | 40.5% | 15.0% | 2025 |
| 1126 | 415 | Rizvia | JOHAR-II | 35.6% | 15.0% | 2025 |
| 1127 | 1228 | Prem Villas | JOHAR-II | 41.7% | 15.0% | 2025 |
| 1128 | 199 | Jumma Baloch | LYARI-I | 43.8% | 15.0% | 2025 |
| 1129 | 3585 | Anwar Mama | KIMZ | 37.0% | 15.0% | 2025 |
| 1130 | 139 | Toheed Colony | ORANGI-II | 38.2% | 15.0% | 2025 |
| 1131 | 22 | PNT Colony | DEFENCE | 41.8% | 15.0% | 2025 |
| 1132 | 3061 | Merit Society | GADAP | 35.6% | 15.0% | 2025 |
| 1133 | 403 | Sahafi Colony | GADAP | 41.8% | 15.0% | 2025 |
| 1134 | 1339 | YWCA | GARDEN | 38.5% | 15.0% | 2025 |
| 1135 | 1301 | Rauf Oil | LAYARI-II | 37.3% | 15.0% | 2025 |
| 1136 | 3335 | Dental College | NORTH NAZIMABAD | 44.4% | 15.0% | 2025 |
| 1137 | 1111 | Saadullah Goth | BALDIA | 37.9% | 15.0% | 2025 |
| 1138 | 1111 | Saadullah Goth | BALDIA | 41.2% | 15.0% | 2025 |
| 1139 | 1111 | Saadullah Goth | BALDIA | 36.3% | 15.0% | 2025 |
| 1140 | 1111 | Saadullah Goth | BALDIA | 43.9% | 15.0% | 2025 |
| 1141 | 1111 | Saadullah Goth | BALDIA | 44.4% | 15.0% | 2025 |
| 1142 | 1111 | Saadullah Goth | BALDIA | 37.6% | 15.0% | 2025 |
| 1143 | 135 | Pakistan Bazar | BALDIA | 41.0% | 15.0% | 2025 |
| 1144 | 135 | Pakistan Bazar | BALDIA | 37.7% | 15.0% | 2025 |
| 1145 | 135 | Pakistan Bazar | BALDIA | 42.8% | 15.0% | 2025 |
| 1146 | 135 | Pakistan Bazar | BALDIA | 38.7% | 15.0% | 2025 |
| 1147 | 254 | Mazar e Quaid | BAHADURABAD | 35.0% | 15.0% | 2025 |
| 1148 | 3583 | Education Center | NEW KARACHI | 39.1% | 15.0% | 2025 |
| 1149 | 272 | Hafiz Sweets | MALIR | 40.3% | 15.0% | 2025 |
| 1150 | 3443 | Staff Hostel | GADAP | 36.3% | 15.0% | 2025 |
| 1151 | 3459 | Hadi Market | NAZIMABAD | 43.2% | 15.0% | 2025 |
| 1152 | 3284 | Royal City | SURJANI | 44.2% | 15.0% | 2025 |
| 1153 | 3681 | Amroha | JOHAR-II | 43.8% | 15.0% | 2025 |



Annex - S

| | | | | | | |
|------|------|------------------------|---------------|-------|-------|------|
| 1154 | 1228 | Prem Villas | JOHAR-II | 36.3% | 15.0% | 2025 |
| 1155 | 187 | New Karachi | NORTH KARACHI | 36.7% | 15.0% | 2025 |
| 1156 | 138 | Masjid e Akbar | BALDIA | 38.2% | 15.0% | 2025 |
| 1157 | 138 | Masjid e Akbar | BALDIA | 38.0% | 15.0% | 2025 |
| 1158 | 199 | Jumma Baloch | LYARI-I | 39.6% | 15.0% | 2025 |
| 1159 | 2065 | Abidabad | ORANGI-I | 36.6% | 15.0% | 2025 |
| 1160 | 1236 | Town Hall | GADAP | 36.5% | 15.0% | 2025 |
| 1161 | 2058 | Chattai Ground | MALIR | 39.1% | 15.0% | 2025 |
| 1162 | 3916 | Amazon | BALDIA | 37.0% | 15.0% | 2025 |
| 1163 | 3916 | Amazon | BALDIA | 35.9% | 15.0% | 2025 |
| 1164 | 3916 | Amazon | BALDIA | 43.3% | 15.0% | 2025 |
| 1165 | 3284 | Royal City | SURJANI | 41.7% | 15.0% | 2025 |
| 1166 | 620 | Haroon Heights + Cap 5 | NORTH KARACHI | 43.6% | 15.0% | 2025 |
| 1167 | 3916 | Amazon | BALDIA | 37.8% | 15.0% | 2025 |
| 1168 | 2135 | A One Center | BAHADURABAD | 40.0% | 15.0% | 2025 |
| 1169 | 442 | Gas Trubine | KIMZ | 43.2% | 15.0% | 2025 |
| 1170 | 50 | Islamic Mission SS | KIMZ | 37.6% | 15.0% | 2025 |
| 1171 | 3338 | Mansoor Sher | BALDIA | 44.9% | 15.0% | 2025 |
| 1172 | 3338 | Mansoor Sher | BALDIA | 42.8% | 15.0% | 2025 |
| 1173 | 886 | Nobel Point | NEW KARACHI | 39.7% | 15.0% | 2025 |
| 1174 | 3053 | Hazara Goth RMU | GULSHAN | 40.3% | 15.0% | 2025 |
| 1175 | 3528 | Johar Road PMT | TIPU SULTAN | 37.9% | 15.0% | 2025 |
| 1176 | 136 | Sacedabad | BALDIA | 40.8% | 15.0% | 2025 |
| 1177 | 793 | Pecrabad | ORANGI-I | 41.9% | 15.0% | 2025 |
| 1178 | 3729 | Anamta Society | SURJANI | 36.8% | 15.0% | 2025 |
| 1179 | 371 | Water Boosting | BAHADURABAD | 43.4% | 15.0% | 2025 |
| 1180 | 82 | Caltex | CLIFTON | 35.9% | 15.0% | 2025 |
| 1181 | 2059 | Peer Mehfooz RMU | MALIR | 36.8% | 15.0% | 2025 |
| 1182 | 3185 | Lateef Jute | UTHAL | 37.0% | 15.0% | 2025 |
| 1183 | 3435 | Mehran Tower | JOHAR-II | 39.5% | 15.0% | 2025 |
| 1184 | 471 | Comperchencie School | KORANGI | 43.7% | 15.0% | 2025 |
| 1185 | 542 | Nazimabad 3 | NAZIMABAD | 44.3% | 15.0% | 2025 |
| 1186 | 3915 | Ferrari | BALDIA | 35.4% | 15.0% | 2025 |
| 1187 | 3626 | Musharaf Colony RMU | BALDIA | 43.4% | 15.0% | 2025 |
| 1188 | 3626 | Musharaf Colony RMU | BALDIA | 42.8% | 15.0% | 2025 |
| 1189 | 3626 | Musharaf Colony RMU | BALDIA | 37.7% | 15.0% | 2025 |
| 1190 | 3626 | Musharaf Colony RMU | BALDIA | 35.4% | 15.0% | 2025 |
| 1191 | 3626 | Musharaf Colony RMU | BALDIA | 39.2% | 15.0% | 2025 |
| 1192 | 3546 | Sector 10 | KIMZ | 39.7% | 15.0% | 2025 |
| 1193 | 2065 | Abidabad | ORANGI-I | 36.3% | 15.0% | 2025 |
| 1194 | 880 | Hyat Baig | SURJANI | 41.8% | 15.0% | 2025 |
| 1195 | 1280 | Ahsanabad | GADAP | 42.1% | 15.0% | 2025 |
| 1196 | 1280 | Ahsanabad | GADAP | 37.9% | 15.0% | 2025 |

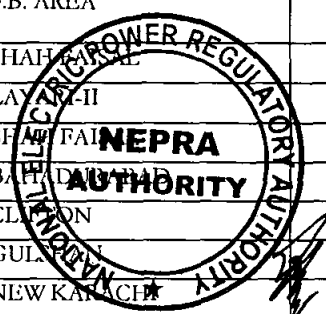


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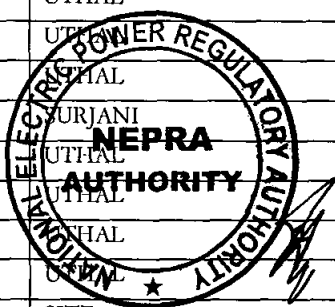
Annex - S

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|------|------|--|---------------|-------|-------|------|
| 1197 | 599 | Aleemabad | MALIR | 39.9% | 15.0% | 2025 |
| 1198 | 3312 | Millat Town RMU | KIMZ | 37.7% | 15.0% | 2025 |
| 1199 | 3312 | Millat Town RMU | KIMZ | 40.2% | 15.0% | 2025 |
| 1200 | 614 | Maripur Center | BALDIA | 39.8% | 15.0% | 2025 |
| 1201 | 650 | Nice Beaker | NORTH KARACHI | 38.2% | 15.0% | 2025 |
| 1202 | 3606 | Mangalabad | UTHAL | 40.1% | 15.0% | 2025 |
| 1203 | 3417 | Senator Mazhar | GADAP | 44.0% | 15.0% | 2025 |
| 1204 | 3029 | International Gum | UTHAL | 41.4% | 15.0% | 2025 |
| 1205 | 1160 | SUPARCO Road P-01 | BALDIA | 42.8% | 15.0% | 2025 |
| 1206 | 783 | KDA Pump Baldia | BALDIA | 42.7% | 15.0% | 2025 |
| 1207 | 3541 | Ghanchi Para | LAYARI-II | 43.7% | 15.0% | 2025 |
| 1208 | 4101 | HASSAN BAROHI GOTH | SURJANI | 41.2% | 15.0% | 2025 |
| 1209 | 861 | Qasba Pumping | ORANGI-I | 44.9% | 15.0% | 2025 |
| 1210 | 2051 | Noori Baba RMU | BAHADURABAD | 37.0% | 15.0% | 2025 |
| 1211 | 399 | Hadiabad | GADAP | 42.6% | 15.0% | 2025 |
| 1212 | 380 | Old Jaccobline | BAHADURABAD | 42.0% | 15.0% | 2025 |
| 1213 | 3334 | Punjabi Saudagran | JOHAR-II | 39.4% | 15.0% | 2025 |
| 1214 | 377 | Burns Garden | SADDAR | 42.2% | 15.0% | 2025 |
| 1215 | 779 | Bismillah market (NOORANI HOTEL) | NAZIMABAD | 38.6% | 15.0% | 2025 |
| 1216 | 3028 | Balochistan Board | UTHAL | 36.7% | 15.0% | 2025 |
| 1217 | 645 | Platanium 4 | NEW KARACHI | 36.1% | 15.0% | 2025 |
| 1218 | 3237 | Mehmoodabad ABC | TIPU SULTAN | 36.4% | 15.0% | 2025 |
| 1219 | 3237 | Mehmoodabad ABC | TIPU SULTAN | 42.6% | 15.0% | 2025 |
| 1220 | 35 | Akhtar Colony | DEFENCE | 35.2% | 15.0% | 2025 |
| 1221 | 573 | Lea Market | LAYARI-II | 36.1% | 15.0% | 2025 |
| 1222 | 3384 | Masan Road | CLIFTON | 43.8% | 15.0% | 2025 |
| 1223 | 3489 | Sweeper Quarter | BAHADURABAD | 41.6% | 15.0% | 2025 |
| 1224 | 492 | Anum Classic | TIPU SULTAN | 38.1% | 15.0% | 2025 |
| 1225 | 3384 | Masan Road | CLIFTON | 44.4% | 15.0% | 2025 |
| 1226 | 2139 | Comprehensive School | F.B. AREA | 43.4% | 15.0% | 2025 |
| 1227 | 292 | IA Qureshi | SHAH FAIZ | 39.4% | 15.0% | 2025 |
| 1228 | 1300 | Pakistan Ice | LAYARI-II | 36.4% | 15.0% | 2025 |
| 1229 | 267 | KMC Boosting | SHAH FAIZ | 35.2% | 15.0% | 2025 |
| 1230 | 104 | Quality Builder | BAHADURABAD | 38.2% | 15.0% | 2025 |
| 1231 | 61 | Zamzama Pump | CLIFTON | 42.5% | 15.0% | 2025 |
| 1232 | 3053 | Hazara Goth RMU | GULSHAN | 43.3% | 15.0% | 2025 |
| 1233 | 639 | Maraqba Hall | NEW KARACHI | 39.9% | 15.0% | 2025 |
| 1234 | 562 | Masjid Khair ul Amal | NAZIMABAD | 42.5% | 15.0% | 2025 |
| 1235 | 3392 | Al Fawad Medical | BALDIA | 43.0% | 15.0% | 2025 |
| 1236 | 144 | Gol Sabeel | BALDIA | 44.7% | 15.0% | 2025 |
| 1237 | 136 | Saeedabad | BALDIA | 36.7% | 15.0% | 2025 |
| 1238 | 3028 | Balochistan Board | UTHAL | 42.6% | 15.0% | 2025 |
| 1239 | 2008 | Court Road | SADDAR | 44.4% | 15.0% | 2025 |
| 1240 | 261 | Lashari Goth | BIN QASIM | 43.2% | 15.0% | 2025 |



Annex - S

| | | | | | | |
|------|------|---------------------|---------------|-------|-------|------|
| 1241 | 116 | Noble Heights | BAHADURABAD | 37.9% | 15.0% | 2025 |
| 1242 | 657 | Paposh Nagar | NAZIMABAD | 40.9% | 15.0% | 2025 |
| 1243 | 682 | Ana Crown | LAYARI-II | 42.4% | 15.0% | 2025 |
| 1244 | 459 | Foundation Gas | KIMZ | 44.5% | 15.0% | 2025 |
| 1245 | 459 | Foundation Gas | KIMZ | 40.2% | 15.0% | 2025 |
| 1246 | 459 | Foundation Gas | KIMZ | 39.9% | 15.0% | 2025 |
| 1247 | 1228 | Prem Villas | JOHAR-II | 36.3% | 15.0% | 2025 |
| 1248 | 87 | Poonawala | CLIFTON | 38.0% | 15.0% | 2025 |
| 1249 | 3080 | Kchi Society | JOHAR-II | 42.0% | 15.0% | 2025 |
| 1250 | 3185 | Lateef Jute | UTHAL | 44.3% | 15.0% | 2025 |
| 1251 | 3402 | Badshah Khan | CLIFTON | 39.5% | 15.0% | 2025 |
| 1252 | 3345 | Pulia Wali RMU | ORANGI-I | 37.6% | 15.0% | 2025 |
| 1253 | 3626 | Musharaf Colony RMU | BALDIA | 43.6% | 15.0% | 2025 |
| 1254 | 3626 | Musharaf Colony RMU | BALDIA | 44.4% | 15.0% | 2025 |
| 1255 | 3419 | Johar Complex | JOHAR-II | 44.7% | 15.0% | 2025 |
| 1256 | 3029 | International Gum | UTHAL | 44.1% | 15.0% | 2025 |
| 1257 | 3184 | Jumma Khan RMU | UTHAL | 44.6% | 15.0% | 2025 |
| 1258 | 3048 | Korangi Zoo | KORANGI | 40.9% | 15.0% | 2025 |
| 1259 | 3048 | Korangi Zoo | KORANGI | 39.0% | 15.0% | 2025 |
| 1260 | 3184 | Jumma Khan RMU | UTHAL | 39.2% | 15.0% | 2025 |
| 1261 | 3184 | Jumma Khan RMU | UTHAL | 44.0% | 15.0% | 2025 |
| 1262 | 3184 | Jumma Khan RMU | UTHAL | 44.9% | 15.0% | 2025 |
| 1263 | 3184 | Jumma Khan RMU | UTHAL | 41.3% | 15.0% | 2025 |
| 1264 | 3184 | Jumma Khan RMU | UTHAL | 40.0% | 15.0% | 2025 |
| 1265 | 3184 | Jumma Khan RMU | UTHAL | 43.8% | 15.0% | 2025 |
| 1266 | 3184 | Jumma Khan RMU | UTHAL | 43.8% | 15.0% | 2025 |
| 1267 | 3184 | Jumma Khan RMU | UTHAL | 41.6% | 15.0% | 2025 |
| 1268 | 3184 | Jumma Khan RMU | UTHAL | 42.0% | 15.0% | 2025 |
| 1269 | 3184 | Jumma Khan RMU | UTHAL | 45.0% | 15.0% | 2025 |
| 1270 | 3184 | Jumma Khan RMU | UTHAL | 43.5% | 15.0% | 2025 |
| 1271 | 3184 | Jumma Khan RMU | UTHAL | 44.9% | 15.0% | 2025 |
| 1272 | 3184 | Jumma Khan RMU | UTHAL | 42.1% | 15.0% | 2025 |
| 1273 | 3184 | Jumma Khan RMU | UTHAL | 42.9% | 15.0% | 2025 |
| 1274 | 1353 | Global City | CHURJANI | 35.2% | 15.0% | 2025 |
| 1275 | 3028 | Balochistan Board | UTHAL | 43.9% | 15.0% | 2025 |
| 1276 | 3028 | Balochistan Board | UTHAL | 35.5% | 15.0% | 2025 |
| 1277 | 3028 | Balochistan Board | UTHAL | 37.8% | 15.0% | 2025 |
| 1278 | 3029 | International Gum | UTHAL | 42.6% | 15.0% | 2025 |
| 1279 | 3003 | Asio African | SITE | 42.7% | 15.0% | 2025 |
| 1280 | 3606 | Mangalabad | UTHAL | 44.8% | 15.0% | 2025 |
| 1281 | 3031 | Pawel Cel | UTHAL | 38.0% | 15.0% | 2025 |
| 1282 | 3288 | Bank Alfala | NORTH KARACHI | 38.2% | 15.0% | 2025 |
| 1283 | 3407 | Jam Mohd Yousuf | UTHAL | 36.2% | 15.0% | 2025 |
| 1284 | 3618 | Nazar Ali Wells | MALIR | 39.5% | 15.0% | 2025 |
| 1285 | 477 | Coast Guard | KORANGI | 37.4% | 15.0% | 2025 |



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| | | | | | | |
|------|------|-------------------------------------|-----------------|-------|-------|------|
| 1286 | 270 | Sangum Cinema | SHAH FAISAL | 40.9% | 15.0% | 2025 |
| 1287 | 883 | Michal Academy | NEW KARACHI | 42.8% | 15.0% | 2025 |
| 1288 | 3623 | Polc 23 Qaim Khani | BALDIA | 42.8% | 15.0% | 2025 |
| 1289 | 3740 | Mid Point | LAYARI-II | 40.2% | 15.0% | 2025 |
| 1290 | 3030 | Degash | UTHAL | 39.0% | 15.0% | 2025 |
| 1291 | 1273 | Shaheed Chowk | MALIR | 40.9% | 15.0% | 2025 |
| 1292 | 782 | Dyer Textile | NAZIMABAD | 35.3% | 15.0% | 2025 |
| 1293 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 39.1% | 15.0% | 2025 |
| 1294 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 37.2% | 15.0% | 2025 |
| 1295 | 3312 | Millat Town RMU | KIMZ | 36.5% | 15.0% | 2025 |
| 1296 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 36.1% | 15.0% | 2025 |
| 1297 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 41.1% | 15.0% | 2025 |
| 1298 | 3626 | Musharaf Colony RMU | BALDIA | 38.9% | 15.0% | 2025 |
| 1299 | 3626 | Musharaf Colony RMU | BALDIA | 38.2% | 15.0% | 2025 |
| 1300 | 3535 | Shaheed Makhdoom Bilawal | JOHAR-II | 38.2% | 15.0% | 2025 |
| 1301 | 3030 | Degash | UTHAL | 37.7% | 15.0% | 2025 |
| 1302 | 3030 | Degash | UTHAL | 37.5% | 15.0% | 2025 |
| 1303 | 3030 | Degash | UTHAL | 42.7% | 15.0% | 2025 |
| 1304 | 2155 | Mian Institute (Old Dehtaiser SS 4) | SURJANI | 40.5% | 15.0% | 2025 |
| 1305 | 135 | Pakistan Bazar | BALDIA | 35.6% | 15.0% | 2025 |
| 1306 | 3091 | Miangiani RMU | UTHAL | 43.4% | 15.0% | 2025 |
| 1307 | 3748 | Al-Akhwan Masjid | NORTH KARACHI | 35.5% | 15.0% | 2025 |
| 1308 | 187 | New Karachi | NORTH KARACHI | 41.3% | 15.0% | 2025 |
| 1309 | 3312 | Millat Town RMU | KIMZ | 38.2% | 15.0% | 2025 |
| 1310 | 679 | Behar Colony | LAYARI-II | 44.7% | 15.0% | 2025 |
| 1311 | 679 | Behar Colony | LAYARI-II | 42.7% | 15.0% | 2025 |
| 1312 | 2065 | Abidabad | ORANGI-I | 35.9% | 15.0% | 2025 |
| 1313 | 563 | Indus Ice | NAZIMABAD | 35.7% | 15.0% | 2025 |
| 1314 | 3505 | Makhdoom Bilawal | KIMZ | 44.9% | 15.0% | 2025 |
| 1315 | 3053 | Hazara Goth RMU | GULSHAN | 42.0% | 15.0% | 2025 |
| 1316 | 861 | Qasba Pumping | ORANGI-I | 38.7% | 15.0% | 2025 |
| 1317 | 861 | Qasba Pumping | ORANGI-I | 35.6% | 15.0% | 2025 |
| 1318 | 344 | Kohistan Builders | F.B. AREA | 43.0% | 15.0% | 2025 |
| 1319 | 344 | Kohistan Builders | F.B. AREA | 40.5% | 15.0% | 2025 |
| 1320 | 562 | Masjid Khair ul Amal | NAZIMABAD | 43.9% | 15.0% | 2025 |
| 1321 | 405 | Asphalt Plant | GADAP | 41.5% | 15.0% | 2025 |
| 1322 | 1271 | Abbasi Market | MALIR | 37.7% | 15.0% | 2025 |
| 1323 | 3546 | Sector 10 | KIMZ | 38.7% | 15.0% | 2025 |
| 1324 | 3905 | Salman Height | NAZIMABAD | 44.7% | 15.0% | 2025 |
| 1325 | 555 | Nia Rang Cinema | LIAQATABAD | 20.2% | 15.0% | 2025 |
| 1326 | 673 | Gulshan Zubaida | NORTH NAZIMABAD | 22.5% | 15.0% | 2025 |
| 1327 | 3612 | Safiya Cottage | NORTH KARACHI | 22.4% | 15.0% | 2025 |
| 1328 | 2008 | Court Road | SADDAR | 24.2% | 15.0% | 2025 |

Annex - S

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|------|------|---------------------------|-----------------|-------|-------|------|
| 1329 | 735 | Hijrat Colony | SADDAR | 24.6% | 15.0% | 2025 |
| 1330 | 543 | Timber Market | LIAQATABAD | 21.8% | 15.0% | 2025 |
| 1331 | 543 | Timber Market | LIAQATABAD | 24.0% | 15.0% | 2025 |
| 1332 | 543 | Timber Market | LIAQATABAD | 22.8% | 15.0% | 2025 |
| 1333 | 556 | ABC Computer | F.B. AREA | 22.4% | 15.0% | 2025 |
| 1334 | 557 | APWA College | LIAQATABAD | 23.8% | 15.0% | 2025 |
| 1335 | 556 | ABC Computer | F.B. AREA | 21.9% | 15.0% | 2025 |
| 1336 | 557 | APWA College | LIAQATABAD | 24.4% | 15.0% | 2025 |
| 1337 | 544 | PWD Pumping 2 | LIAQATABAD | 21.6% | 15.0% | 2025 |
| 1338 | 545 | Super Market | LIAQATABAD | 22.1% | 15.0% | 2025 |
| 1339 | 545 | Super Market | LIAQATABAD | 24.0% | 15.0% | 2025 |
| 1340 | 546 | Rahmania | LIAQATABAD | 22.7% | 15.0% | 2025 |
| 1341 | 546 | Rahmania | LIAQATABAD | 22.8% | 15.0% | 2025 |
| 1342 | 550 | Ilyas Goth | LIAQATABAD | 22.7% | 15.0% | 2025 |
| 1343 | 637 | 5E Sector | NEW KARACHI | 20.2% | 15.0% | 2025 |
| 1344 | 637 | 5E Sector | NEW KARACHI | 23.0% | 15.0% | 2025 |
| 1345 | 638 | Country Tower | NORTH KARACHI | 24.4% | 15.0% | 2025 |
| 1346 | 638 | Country Tower | NORTH KARACHI | 24.5% | 15.0% | 2025 |
| 1347 | 548 | Zeenat Square | LIAQATABAD | 21.6% | 15.0% | 2025 |
| 1348 | 237 | Ambajee Villa Jee | GARDEN | 20.3% | 15.0% | 2025 |
| 1349 | 554 | Bohre Khan | LIAQATABAD | 21.0% | 15.0% | 2025 |
| 1350 | 554 | Bohre Khan | LIAQATABAD | 22.3% | 15.0% | 2025 |
| 1351 | 2030 | Baloch Hotel RMU | LIAQATABAD | 20.6% | 15.0% | 2025 |
| 1352 | 550 | Ilyas Goth | LIAQATABAD | 21.3% | 15.0% | 2025 |
| 1353 | 212 | KBR | NORTH NAZIMABAD | 23.1% | 15.0% | 2025 |
| 1354 | 3477 | Harmain Builders | GULSHAN | 20.8% | 15.0% | 2025 |
| 1355 | 1203 | Farooq e Azam | F.B. AREA | 21.3% | 15.0% | 2025 |
| 1356 | 2012 | Delhi College | F.B. AREA | 23.5% | 15.0% | 2025 |
| 1357 | 225 | Roshan Bagh | NORTH NAZIMABAD | 24.9% | 15.0% | 2025 |
| 1358 | 890 | AL Noor Society | F.B. AREA | 22.6% | 15.0% | 2025 |
| 1359 | 220 | Eastern Apartment | F.B. AREA | 21.0% | 15.0% | 2025 |
| 1360 | 192 | Chand Market | F.B. AREA | 20.1% | 15.0% | 2025 |
| 1361 | 1199 | Gulberg | F.B. AREA | 20.6% | 15.0% | 2025 |
| 1362 | 3342 | Anglo School | F.B. AREA | 24.2% | 15.0% | 2025 |
| 1363 | 205 | UBL Sports Complex | F.B. AREA | 20.7% | 15.0% | 2025 |
| 1364 | 682 | Ana Crown | LAYARI-I | 22.0% | 15.0% | 2025 |
| 1365 | 682 | Ana Crown | LAYARI-II | 22.4% | 15.0% | 2025 |
| 1366 | 234 | Garden 2 | GARDEN | 20.3% | 15.0% | 2025 |
| 1367 | 682 | Ana Crown | LAYARI-II | 22.5% | 15.0% | 2025 |
| 1368 | 682 | Ana Crown | LAYARI-II | 24.3% | 15.0% | 2025 |
| 1369 | 682 | Ana Crown | LAYARI-II | 20.5% | 15.0% | 2025 |
| 1370 | 895 | DMC | GARDEN | 20.2% | 15.0% | 2025 |
| 1371 | 1189 | Iqbal Center | GARDEN | 24.1% | 15.0% | 2025 |
| 1372 | 1189 | Iqbal Center | GARDEN | 20.3% | 15.0% | 2025 |
| 1373 | 245 | Rexer Lane | SITE | 22.9% | 15.0% | 2025 |
| 1374 | 769 | Kamran Distributor + Cap6 | SITE | 21.8% | 15.0% | 2025 |

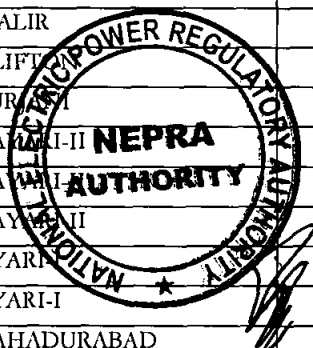
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|------|------|-------------------------------------|-----------------|-------|-------|------|
| 1375 | 1157 | KDA Pump House | SHAH FAISAL | 22.4% | 15.0% | 2025 |
| 1376 | 2119 | Baba Wilayat Ali Shah | SHAH FAISAL | 24.1% | 15.0% | 2025 |
| 1377 | 269 | Police Station Drigh Road | TIPU SULTAN | 20.3% | 15.0% | 2025 |
| 1378 | 270 | Sangum Cinema | SHAH FAISAL | 24.2% | 15.0% | 2025 |
| 1379 | 274 | Community Hall | SHAH FAISAL | 21.9% | 15.0% | 2025 |
| 1380 | 284 | Malir City | SHAH FAISAL | 23.6% | 15.0% | 2025 |
| 1381 | 286 | Shama Center | SHAH FAISAL | 24.1% | 15.0% | 2025 |
| 1382 | 286 | Shama Center | SHAH FAISAL | 20.9% | 15.0% | 2025 |
| 1383 | 286 | Shama Center | SHAH FAISAL | 21.0% | 15.0% | 2025 |
| 1384 | 2088 | Tangastnd RMU | SHAH FAISAL | 24.3% | 15.0% | 2025 |
| 1385 | 3598 | New Iqbalabad (old Ruby Decoration) | SHAH FAISAL | 20.1% | 15.0% | 2025 |
| 1386 | 3287 | Namak Bank RMU | NORTH NAZIMABAD | 20.4% | 15.0% | 2025 |
| 1387 | 883 | Michal Academy | NEW KARACHI | 23.7% | 15.0% | 2025 |
| 1388 | 3609 | Mono Technical | NEW KARACHI | 21.8% | 15.0% | 2025 |
| 1389 | 3381 | Al Ahmed Avenue | NEW KARACHI | 23.9% | 15.0% | 2025 |
| 1390 | 3381 | Al Ahmed Avenue | NEW KARACHI | 21.4% | 15.0% | 2025 |
| 1391 | 3566 | Sanitary Shop | NAZIMABAD | 24.6% | 15.0% | 2025 |
| 1392 | 645 | Platanium 4 | NEW KARACHI | 21.7% | 15.0% | 2025 |
| 1393 | 3386 | Achanak Hotel | NEW KARACHI | 20.7% | 15.0% | 2025 |
| 1394 | 1288 | Gold Smith | NEW KARACHI | 20.6% | 15.0% | 2025 |
| 1395 | 631 | Nazia Square | NEW KARACHI | 21.7% | 15.0% | 2025 |
| 1396 | 3609 | Mono Technical | NEW KARACHI | 22.5% | 15.0% | 2025 |
| 1397 | 688 | Huriyat Nagar | ORANGI-I | 24.6% | 15.0% | 2025 |
| 1398 | 707 | Zia Ul Haq Colony | ORANGI-II | 24.2% | 15.0% | 2025 |
| 1399 | 3345 | Pulia Wali RMU | ORANGI-I | 24.6% | 15.0% | 2025 |
| 1400 | 3345 | Pulia Wali RMU | ORANGI-I | 23.8% | 15.0% | 2025 |
| 1401 | 3392 | Al Fawad Medical | BAHRIA | 21.9% | 15.0% | 2025 |
| 1402 | 616 | Lyari Express Way | BAHRIA | 22.5% | 15.0% | 2025 |
| 1403 | 616 | Lyari Express Way | BAHRIA | 22.9% | 15.0% | 2025 |
| 1404 | 614 | Maripur Center | BAHRIA | 22.1% | 15.0% | 2025 |
| 1405 | 695 | Noor Police | ORANGI-I | 24.6% | 15.0% | 2025 |
| 1406 | 694 | Bijli Nagar | ORANGI-I | 21.3% | 15.0% | 2025 |
| 1407 | 1356 | Polc 62 | ORANGI-I | 20.5% | 15.0% | 2025 |
| 1408 | 639 | Maraqba Hall | NEW KARACHI | 21.4% | 15.0% | 2025 |
| 1409 | 698 | Islamia Colony | ORANGI-I | 20.5% | 15.0% | 2025 |
| 1410 | 563 | Indus Ice | NAZIMABAD | 21.5% | 15.0% | 2025 |
| 1411 | 3681 | Amroha | JOHAR-II | 23.8% | 15.0% | 2025 |
| 1412 | 892 | Khan Brothers | GADAP | 21.1% | 15.0% | 2025 |
| 1413 | 1219 | Dhorajee Colony | GULSHAN | 24.2% | 15.0% | 2025 |
| 1414 | 2124 | Azceem Park | GULSHAN | 24.8% | 15.0% | 2025 |
| 1415 | 1219 | Dhorajee Colony | GULSHAN | 20.8% | 15.0% | 2025 |
| 1416 | 303 | Johar Squire | JOHAR | 21.7% | 15.0% | 2025 |
| 1417 | 2041 | Quaid Avenue | F.B. AREA | 20.5% | 15.0% | 2025 |
| 1418 | 2084 | Raza Floor Mill | F.B. AREA | 23.9% | 15.0% | 2025 |
| 1419 | 98 | Milk Plant | BAHADURABAD | 22.9% | 15.0% | 2025 |

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Annex - S

| | | | | | | |
|------|------|--------------------------------|-----------------|-------|-------|------|
| 1420 | 110 | Pak Capital Tel Ex | BAHADURABAD | 23.1% | 15.0% | 2025 |
| 1421 | 117 | Qasimabad Degree College | LIAQATABAD | 23.1% | 15.0% | 2025 |
| 1422 | 272 | Hafiz Sweets | MALIR | 22.9% | 15.0% | 2025 |
| 1423 | 272 | Hafiz Sweets | MALIR | 24.5% | 15.0% | 2025 |
| 1424 | 2038 | Ghazi Town | MALIR | 22.0% | 15.0% | 2025 |
| 1425 | 3409 | Baraf Khana | MALIR | 21.1% | 15.0% | 2025 |
| 1426 | 125 | Shah Faisal Town | MALIR | 22.5% | 15.0% | 2025 |
| 1427 | 2065 | Abidabad | ORANGI-I | 23.5% | 15.0% | 2025 |
| 1428 | 135 | Pakistan Bazar | BALDIA | 20.3% | 15.0% | 2025 |
| 1429 | 136 | Sacedabad | BALDIA | 23.5% | 15.0% | 2025 |
| 1430 | 1111 | Saadullah Goth | BALDIA | 23.4% | 15.0% | 2025 |
| 1431 | 3371 | Haroon Bahria RMU | BALDIA | 21.1% | 15.0% | 2025 |
| 1432 | 141 | Iqbal Road | BALDIA | 24.1% | 15.0% | 2025 |
| 1433 | 143 | Kohinoor 2 | BALDIA | 20.3% | 15.0% | 2025 |
| 1434 | 1161 | Northern Electric | BALDIA | 21.0% | 15.0% | 2025 |
| 1435 | 1161 | Northern Electric | BALDIA | 20.5% | 15.0% | 2025 |
| 1436 | 1160 | SUPARCO Road P-01 | BALDIA | 22.9% | 15.0% | 2025 |
| 1437 | 1162 | Happy Pan House | BALDIA | 21.3% | 15.0% | 2025 |
| 1438 | 130 | Faqir Colony | ORANGI-I | 23.4% | 15.0% | 2025 |
| 1439 | 1162 | Happy Pan House | BALDIA | 24.7% | 15.0% | 2025 |
| 1440 | 171 | New Sindh Assembly | SADDAR | 21.9% | 15.0% | 2025 |
| 1441 | 3740 | Mid Point | LAYARI-II | 22.5% | 15.0% | 2025 |
| 1442 | 3447 | Awami Chowk | TIPU SULTAN | 21.8% | 15.0% | 2025 |
| 1443 | 3447 | Awami Chowk | TIPU SULTAN | 22.8% | 15.0% | 2025 |
| 1444 | 1273 | Shaheed Chowk | MALIR | 22.6% | 15.0% | 2025 |
| 1445 | 3402 | Badshah Khan | CLIFTON | 24.2% | 15.0% | 2025 |
| 1446 | 3584 | Khuda Ki Basti | SURJANI | 22.7% | 15.0% | 2025 |
| 1447 | 1307 | Lyari Firebrigade | LAYARI-II | 20.5% | 15.0% | 2025 |
| 1448 | 577 | Lyari Tel Exchange | LAYARI-II | 24.5% | 15.0% | 2025 |
| 1449 | 577 | Lyari Tel Exchange | LAYARI-II | 23.5% | 15.0% | 2025 |
| 1450 | 1306 | Haji Ismail | LYARI-I | 23.3% | 15.0% | 2025 |
| 1451 | 3490 | Bahdadi | LYARI-I | 22.1% | 15.0% | 2025 |
| 1452 | 94 | City Center | BAHADURABAD | 22.3% | 15.0% | 2025 |
| 1453 | 2135 | A One Center | BAHADURABAD | 21.3% | 15.0% | 2025 |
| 1454 | 3540 | Waqas CNG RMU | BAHADURABAD | 21.8% | 15.0% | 2025 |
| 1455 | 96 | Baghdadi Masjid | BAHADURABAD | 21.6% | 15.0% | 2025 |
| 1456 | 97 | Mohd Ali Society | TIPU SULTAN | 21.7% | 15.0% | 2025 |
| 1457 | 3474 | Olympic Pride (Old Pole 12/13) | SURJANI | 23.1% | 15.0% | 2025 |
| 1458 | 890 | AL Noor Society | F.B. AREA | 23.5% | 15.0% | 2025 |
| 1459 | 890 | AL Noor Society | F.B. AREA | 22.7% | 15.0% | 2025 |
| 1460 | 644 | Sunlight | NEW KARACHI | 20.3% | 15.0% | 2025 |
| 1461 | 886 | Nobel Point | NEW KARACHI | 20.5% | 15.0% | 2025 |
| 1462 | 885 | Kala School | NEW KARACHI | 22.0% | 15.0% | 2025 |
| 1463 | 1291 | Block G | NORTH NAZIMABAD | 21.8% | 15.0% | 2025 |
| 1464 | 1291 | Block G | NORTH NAZIMABAD | 22.1% | 15.0% | 2025 |



Annex - S

| | | | | | | |
|------|------|----------------------|-----------------|-------|-------|------|
| 1465 | 1291 | Block G | NORTH NAZIMABAD | 21.1% | 15.0% | 2025 |
| 1466 | 698 | Islamia Colony | ORANGI-I | 21.4% | 15.0% | 2025 |
| 1467 | 802 | Metroville | ORANGI-I | 21.1% | 15.0% | 2025 |
| 1468 | 776 | Orangi Medicos | ORANGI-I | 21.9% | 15.0% | 2025 |
| 1469 | 802 | Metroville | ORANGI-I | 21.4% | 15.0% | 2025 |
| 1470 | 2073 | M Younis | F.B. AREA | 23.7% | 15.0% | 2025 |
| 1471 | 680 | Bengal Oil | LYARI-I | 21.7% | 15.0% | 2025 |
| 1472 | 852 | Okhai Memon | LYARI-I | 25.0% | 15.0% | 2025 |
| 1473 | 571 | Machar Colony | LYARI-I | 22.4% | 15.0% | 2025 |
| 1474 | 2125 | City Mall | TIPU SULTAN | 20.3% | 15.0% | 2025 |
| 1475 | 3508 | Hill Park Apartment | TIPU SULTAN | 21.3% | 15.0% | 2025 |
| 1476 | 84 | Marine Blessing | CLIFTON | 22.3% | 15.0% | 2025 |
| 1477 | 2052 | Kh Hafiz | DEFENCE | 24.2% | 15.0% | 2025 |
| 1478 | 3052 | Lal Mohd Goth PMT | KIMZ | 23.6% | 15.0% | 2025 |
| 1479 | 616 | Lyari Express Way | BALDIA | 20.5% | 15.0% | 2025 |
| 1480 | 616 | Lyari Express Way | BALDIA | 24.8% | 15.0% | 2025 |
| 1481 | 698 | Islamia Colony | ORANGI-I | 22.8% | 15.0% | 2025 |
| 1482 | 698 | Islamia Colony | ORANGI-I | 21.5% | 15.0% | 2025 |
| 1483 | 15 | Parsi Trust SS | TIPU SULTAN | 23.2% | 15.0% | 2025 |
| 1484 | 15 | Parsi Trust SS | TIPU SULTAN | 24.8% | 15.0% | 2025 |
| 1485 | 3423 | Sunny Side | SADDAR | 22.0% | 15.0% | 2025 |
| 1486 | 85 | Chapal Luxury | CLIFTON | 22.5% | 15.0% | 2025 |
| 1487 | 22 | PNT Colony | DEFENCE | 22.9% | 15.0% | 2025 |
| 1488 | 22 | PNT Colony | DEFENCE | 22.1% | 15.0% | 2025 |
| 1489 | 22 | PNT Colony | DEFENCE | 20.3% | 15.0% | 2025 |
| 1490 | 2139 | Comprehensive School | F.B. AREA | 22.9% | 15.0% | 2025 |
| 1491 | 29 | C.M.H | DEFENCE | 24.3% | 15.0% | 2025 |
| 1492 | 650 | Nice Beaker | NORTH KARACHI | 20.5% | 15.0% | 2025 |
| 1493 | 650 | Nice Beaker | NORTH KARACHI | 20.5% | 15.0% | 2025 |
| 1494 | 650 | Nice Beaker | NORTH KARACHI | 22.9% | 15.0% | 2025 |
| 1495 | 2053 | Jamia Sibtain | GULSHAN | 24.0% | 15.0% | 2025 |
| 1496 | 791 | Usmania Colony | NAZIMABAD | 22.9% | 15.0% | 2025 |
| 1497 | 3258 | Ubaidullah | TIPU SULTAN | 20.6% | 15.0% | 2025 |
| 1498 | 3398 | HT Pole 5 RMU | DEFENCE | 22.4% | 15.0% | 2025 |
| 1499 | 3519 | South Park | DEFENCE | 20.4% | 15.0% | 2025 |
| 1500 | 53 | Mill Rock SS | KIMZ | 24.2% | 15.0% | 2025 |
| 1501 | 3148 | Hydro Carbon | SADDAR | 22.9% | 15.0% | 2025 |
| 1502 | 3139 | Salateen | TIPU SULTAN | 23.1% | 15.0% | 2025 |
| 1503 | 3187 | Korangi Crossing | KIMZ | 20.4% | 15.0% | 2025 |
| 1504 | 19 | Defence 12 SS | DEFENCE | 24.9% | 15.0% | 2025 |
| 1505 | 2035 | HEF School | F.B. AREA | 23.1% | 15.0% | 2025 |
| 1506 | 2156 | Memon Masjid | F.B. AREA | 21.1% | 15.0% | 2025 |
| 1507 | 1264 | Liaqatabad 2 | LIAQATABAD | 21.8% | 15.0% | 2025 |
| 1508 | 1264 | Liaqatabad 2 | LIAQATABAD | 22.0% | 15.0% | 2025 |
| 1509 | 1264 | Liaqatabad 2 | LIAQATABAD | 23.0% | 15.0% | 2025 |
| 1510 | 554 | Bohre Khan | LIAQATABAD | 24.2% | 15.0% | 2025 |

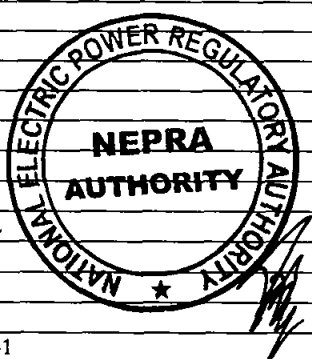
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|------|------|-----------------|-----------|-------|-------|------|
| 1511 | 199 | Jumma Baloch | LYARI-I | 20.5% | 15.0% | 2025 |
| 1512 | 1300 | Pakistan Ice | LAYARI-II | 24.6% | 15.0% | 2025 |
| 1513 | 2100 | Rufi Heaven | GULSHAN | 20.4% | 15.0% | 2025 |
| 1514 | 2150 | 6th St Badr RMU | DEFENCE | 24.0% | 15.0% | 2025 |
| 1515 | 2149 | Saeed ul Zafar | DEFENCE | 24.9% | 15.0% | 2025 |
| 1516 | 2019 | Dastgir Society | F.B. AREA | 22.2% | 15.0% | 2025 |

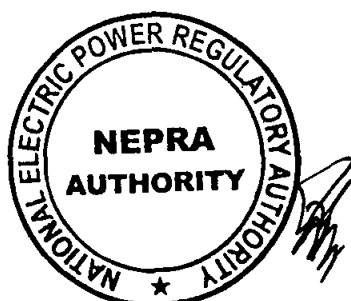
Approved list of Power Factor Improvement Plants

| Sr | S/S Name | Pre-Running Power Factor | Desired Power Factor | Execution FY |
|----|--|--------------------------|----------------------|--------------|
| 1 | AL ASIF SQUARE S/S L-2 | 0.60 | 0.95 | FY-25 |
| 2 | KANIZ FATIMA BL-4 S/S 04 | 0.60 | 0.95 | FY-25 |
| 3 | RASHID MINHAS GUL-E-JAMAL 4 SS | 0.60 | 0.95 | FY-25 |
| 4 | KOR. TELE EXCH. 02 LOCAL | 0.60 | 0.95 | FY-25 |
| 5 | ABID INDUSTRY S/S | 0.60 | 0.95 | FY-25 |
| 6 | ROYAL RESIDENCY (ZUBAIR AHMED) LOCAL-1 | 0.60 | 0.95 | FY-25 |
| 7 | TECHNOCITY-1 S/S L-2 | 0.60 | 0.95 | FY-25 |
| 8 | BISMILLAH MARKET S/S L-1 | 0.60 | 0.95 | FY-25 |
| 9 | REVENUE OFFICE SS | 0.60 | 0.95 | FY-25 |
| 10 | SHAMSI CLOTH S/S LOCAL | 0.60 | 0.95 | FY-25 |
| 11 | CHARANIA INDUSTRY S/S LOCAL | 0.60 | 0.95 | FY-25 |
| 12 | ROHAIL KHAND S/S | 0.60 | 0.95 | FY-25 |
| 13 | MAYMAR S/S-1A | 0.65 | 0.95 | FY-25 |
| 14 | MAZAR-E-QUAID-1 S/S | 0.65 | 0.95 | FY-25 |
| 15 | SAIMA TOWER-2 LOCAL-2 | 0.65 | 0.95 | FY-25 |
| 16 | AL-AZAM SHOPPING WORLD S/S | 0.65 | 0.95 | FY-25 |
| 17 | IBRAHIM SONS LOCAL | 0.65 | 0.95 | FY-25 |
| 18 | KARIM CENTRE S/S LOCAL-2 | 0.70 | 0.95 | FY-25 |
| 19 | GENERAL SOCIETY S/S-1 SS | 0.70 | 0.95 | FY-25 |
| 20 | SAIMA LUXURY HOMES S/S - 04 | 0.70 | 0.95 | FY-25 |
| 21 | MAZAR E QUAIID-II SS | 0.70 | 0.95 | FY-25 |
| 22 | RABI SQUARE S/S | 0.70 | 0.95 | FY-25 |
| 23 | KERTEX S/S LOCAL | 0.70 | 0.95 | FY-25 |
| 24 | ILM SILK S/S(LOCAL-1) | 0.70 | 0.95 | FY-25 |
| 25 | KANIZ FATIMA BL-1 S/S 02 | 0.70 | 0.95 | FY-25 |
| 26 | NWD TEL. EXCHANGE SS L-2 | 0.70 | 0.95 | FY-26 |
| 27 | RAINBOW CENTRE SS | 0.70 | 0.95 | FY-26 |
| 28 | INNARA GARDEN S/S 02 | 0.75 | 0.95 | FY-26 |
| 29 | KARACHI CLUB ANNEXI | 0.75 | 0.95 | FY-26 |
| 30 | SUMAIRA BANGLOWS S/S | 0.75 | 0.95 | FY-26 |
| 31 | KESC METER BUILDING S/S | 0.75 | 0.95 | FY-26 |
| 32 | RRP S/S LOCAL | 0.75 | 0.95 | FY-26 |
| 33 | GULSHAN ICE S/S | 0.75 | 0.95 | FY-26 |
| 34 | TRIPURA HOSEY S/S LOCAL | 0.80 | 0.95 | FY-26 |
| 35 | DADA SOAP S/S LOCAL | 0.80 | 0.95 | FY-26 |
| 36 | SUPERIOR IRON STEEL S/S | 0.80 | 0.95 | FY-26 |
| 37 | NATIONAL BANK-II SS | 0.80 | 0.95 | FY-26 |
| 38 | CREEK CITY S/S NO-4 LOCAL-1 | 0.80 | 0.95 | FY-26 |
| 39 | SIZA FOOD | 0.80 | 0.95 | FY-26 |
| 40 | BEGAL CORPORATION SS LOCAL | 0.80 | 0.95 | FY-26 |
| 41 | GENERAL MECHANIC S/S LOCAL | 0.80 | 0.95 | FY-26 |
| 42 | HABIB KNIT WEAR LOCAL | 0.85 | 0.95 | FY-26 |
| 43 | JALANGIR ALI SS | 0.85 | 0.95 | FY-26 |
| 44 | PRINCE VIEW (LOCAL-1) | 0.85 | 0.95 | FY-26 |
| 45 | RAHIM VIEW S/S | 0.85 | 0.95 | FY-26 |
| 46 | AL-KARAM # 1 S/S | 0.85 | 0.95 | FY-26 |
| 47 | MODARABA (REMMCO) S/S L-1 | 0.85 | 0.95 | FY-26 |



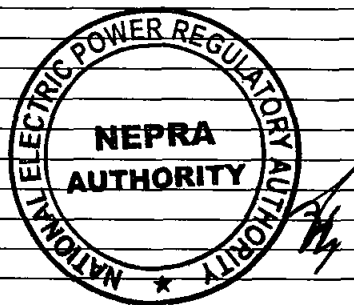
Annex - S

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|----|---------------------------------------|------|------|-------|
| 48 | NOMAN GRAND CITY II S/S L-2 | 0.85 | 0.95 | FY-26 |
| 49 | CAN'T. PUMPING S/S | 0.85 | 0.95 | FY-26 |
| 50 | SUNNY PRIDE S/S II L-1 | 0.85 | 0.95 | FY-26 |
| 51 | FARIHAN TOWER S/S | 0.85 | 0.95 | FY-27 |
| 52 | CITY CENTRE SS L-1 | 0.85 | 0.95 | FY-27 |
| 53 | A-ONE CENTER S/S | 0.85 | 0.95 | FY-27 |
| 54 | RENO CENTRE SS LOCAL-1 | 0.85 | 0.95 | FY-27 |
| 55 | DEHLI MUSLIM SS | 0.85 | 0.95 | FY-27 |
| 56 | AL-KARAM # 2 S/S (LOCAL-2) | 0.85 | 0.95 | FY-27 |
| 57 | ISHAQ SONS SS | 0.85 | 0.95 | FY-27 |
| 58 | AL-GHAFOR SKY (M/S BASM CONSTRUCTION) | 0.85 | 0.95 | FY-27 |
| 59 | MARIA HILL VIEW SEC-14B, NK | 0.85 | 0.95 | FY-27 |
| 60 | QUALITY BUILDERS S/S | 0.85 | 0.95 | FY-27 |
| 61 | DOLMEN CENTRE S/S LOCAL-2 | 0.85 | 0.95 | FY-27 |
| 62 | ZAINAB PLAZA SS (LOCAL-1) | 0.85 | 0.95 | FY-27 |
| 63 | RUKNUDDIN 1 S/S | 0.85 | 0.95 | FY-27 |
| 64 | KDA- 3, SS | 0.85 | 0.95 | FY-27 |
| 65 | AMALGAMATED LOCAL | 0.85 | 0.95 | FY-27 |
| 66 | TELEEXC S/S-1, SEC-11I, | 0.85 | 0.95 | FY-27 |
| 67 | MEMON MASJID S/S | 0.85 | 0.95 | FY-27 |
| 68 | PAK KHOPRA S/S LOCAL | 0.85 | 0.95 | FY-27 |
| 69 | SUNNY PRIDE S/S II L-1 | 0.85 | 0.95 | FY-27 |
| 70 | BURHANI BAGH SS | 0.85 | 0.95 | FY-27 |
| 71 | TIMBER MARKET S/S | 0.85 | 0.95 | FY-27 |
| 72 | KARACHI ACADEMY SS | 0.85 | 0.95 | FY-27 |
| 73 | COUNTRY TOWER, SEC-15B, NK | 0.85 | 0.95 | FY-27 |
| 74 | BLOCK "B" PUMPING S/S | 0.85 | 0.95 | FY-27 |
| 75 | RUPALI RESIDENCY SS | 0.85 | 0.95 | FY-27 |
| 76 | ASHRAF PLAZA S/S | 0.85 | 0.95 | FY-28 |
| 77 | KDA-4 SEC-14B N/K S/S | 0.85 | 0.95 | FY-28 |
| 78 | IQBAL PLAZA SEC-11C/1 | 0.85 | 0.95 | FY-28 |
| 79 | G.H.QASIM ROAD SHALIMAR SS | 0.85 | 0.95 | FY-28 |
| 80 | III-TECH BOARD LOCAL | 0.85 | 0.95 | FY-28 |
| 81 | CRESCENT ARCADE S/S, SEC, 5K, NK | 0.85 | 0.95 | FY-28 |
| 82 | AL-KARAM # 3 S/S | 0.85 | 0.95 | FY-28 |
| 83 | NAZIMABAD PUMPING S/S | 0.85 | 0.95 | FY-28 |
| 84 | BILLY'S TOWER S/S | 0.85 | 0.95 | FY-28 |
| 85 | NISHTER PARK S/S | 0.85 | 0.95 | FY-28 |
| 86 | SAGHIR CENTER | 0.85 | 0.95 | FY-28 |
| 87 | FIVE STAR COMPLEX (LOCAL-1) | 0.85 | 0.95 | FY-28 |
| 88 | EID GAH S/S | 0.85 | 0.95 | FY-28 |
| 89 | IBRAHIM ALI BHAI S/S LOCAL | 0.85 | 0.95 | FY-28 |
| 90 | BARNES STREET S/S LOCAL | 0.85 | 0.95 | FY-28 |
| 91 | RAJA TRADERS S/S LOCAL | 0.85 | 0.95 | FY-28 |
| 92 | BANK QUARTER SS | 0.85 | 0.95 | FY-28 |
| 93 | NIPA PUMPING SS | 0.85 | 0.95 | FY-28 |
| 94 | METAL CONTAINER | 0.85 | 0.95 | FY-28 |
| 95 | NOORANI APPARTMENT S/S | 0.85 | 0.95 | FY-28 |

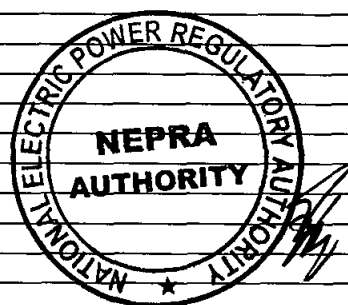


Approved list feeders for network rehabilitation (1,132 feeders)

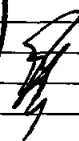
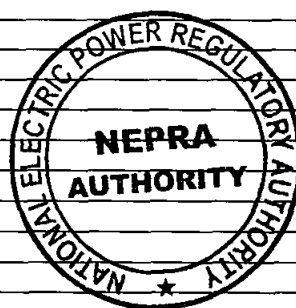
| S. No | Feeder ID | Feeder name | Cluster |
|-------|-----------|---------------------------------------|-----------|
| 1 | 3515 | DOLMENARCADE | SOCIETY |
| 2 | 3513 | MADINA MALL | SOCIETY |
| 3 | 3508 | HILL PARK APARTMENT | SOCIETY |
| 4 | 3520 | BIHAR-E-SHARIAT RMU | SOCIETY |
| 5 | 3512 | SHAHMIM AHMED | SOCIETY |
| 6 | 3542 | NOOR HOTEL RMU | SOCIETY |
| 7 | 3516 | DMCHS | SOCIETY |
| 8 | 3509 | DILKUSHAN CENTER. | SOCIETY |
| 9 | 3518 | DHORAJEE FOUNDATION | SOCIETY |
| 10 | 3526 | KASHAN-E-ITFAL | SOCIETY |
| 11 | 3528 | MAKKAH SQUARE | SOCIETY |
| 12 | 3525 | OAKWOOD | SOCIETY |
| 13 | 3492 | SUNNY VOHRA | SOCIETY |
| 14 | 276 | DRIGH ROAD 'A' | Bin Qasim |
| 15 | 270 | SANGUM CINEMA | Bin Qasim |
| 16 | 292 | I.A. QURESHI | Bin Qasim |
| 17 | 3277 | BLOCK-5 RMU | Bin Qasim |
| 18 | 274 | COMMUNITY HALL | Bin Qasim |
| 19 | 286 | SHAMA CENTRE | Bin Qasim |
| 20 | 278 | CANTT PUMPING | Bin Qasim |
| 21 | 281 | SUPERIOR SCIENCE COLLEGE | Bin Qasim |
| 22 | 282 | FALAKNAZ PLAZA | Bin Qasim |
| 23 | 279 | BARELI COLONY | Bin Qasim |
| 24 | 285 | S.M SADIQ | Bin Qasim |
| 25 | 2088 | TANGA STAND RMU | Bin Qasim |
| 26 | 3328 | ASIFABAD D/PMT | Bin Qasim |
| 27 | 288 | SHOUKAT UMER HOSPITAL | Bin Qasim |
| 28 | 289 | ABBAS BAWAZIR | Bin Qasim |
| 29 | 268 | RAITA PLOT | Bin Qasim |
| 30 | 3561 | FEED MILL RMU | Bin Qasim |
| 31 | 3562 | SIDDIQIA MASJID RMU | Bin Qasim |
| 32 | 2152 | MASJID-E-QUBA RMU | Bin Qasim |
| 33 | 3116 | AFZAL RMU | Bin Qasim |
| 34 | 3531 | NATHA KHAN RMU | Bin Qasim |
| 35 | 267 | KMC BOOSTING | Bin Qasim |
| 36 | 3598 | NEW IQBALABAD (EX RAZA UL HASSAN RMU) | Bin Qasim |
| 37 | 287 | SADAT COLONY | Bin Qasim |
| 38 | 3724 | GOHAR GREEN CITY | Bin Qasim |
| 39 | 284 | MALIR CITY | Bin Qasim |
| 40 | 119 | BAGH-E-MALIR | Bin Qasim |
| 41 | 4064 | F South | Bin Qasim |
| 42 | 1158 | GULSHAN-E-GHAZALI | Bin Qasim |
| 43 | 2038 | GHAZI TOWN | Bin Qasim |
| 44 | 3881 | K.N CITY | Bin Qasim |
| 45 | 2059 | PEER MEHFOOZ RMU | Bin Qasim |
| 46 | 272 | HAFIZ SWEETS (OLD POLICE STATION) | Bin Qasim |
| 47 | 3627 | EOBI | Bin Qasim |
| 48 | 2116 | RAZA RESIDENCY | Bin Qasim |
| 49 | 1157 | KDA PUMP HOUSE | Bin Qasim |
| 50 | 3409 | BARAF KHANA (OLD ZAM ZAM ICE) | Bin Qasim |
| 51 | 2119 | BABA WILAYAT | Bin Qasim |
| 52 | 2014 | KALABOARD CENTRE | Bin Qasim |
| 53 | 3370 | SHAMSI SOCIETY | Bin Qasim |
| 54 | 3613 | UMER KHUSHK | Bin Qasim |
| 55 | 2013 | MAJIR WIRELESS | Bin Qasim |
| 56 | 3510 | GULSHAN-E-AKBAR RMU | Bin Qasim |
| 57 | 2072 | PUNJAB TOWN | Bin Qasim |



| | | | |
|-----|------|--|-----------|
| 58 | 2058 | CHATTAI GROUND (OLD KAUSAR ICE) | Bin Qasim |
| 59 | 2050 | NOOR HOUSING | Bin Qasim |
| 60 | 2111 | SALMAN GARDEN | Bin Qasim |
| 61 | 1155 | AMJAD ALI WELLS | Bin Qasim |
| 62 | 2094 | Agha Khan School | GULSHAN |
| 63 | 2113 | Ali Square | GULSHAN |
| 64 | 3108 | Telenor | GULSHAN |
| 65 | 2023 | Bana Palace | GULSHAN |
| 66 | 2035 | HEF School | GULSHAN |
| 67 | 3437 | North Vista | Surjani |
| 68 | 3103 | Sharifabad | GULSHAN |
| 69 | 2101 | Usman Hospital | GULSHAN |
| 70 | 2041 | Quaid Avenue | GULSHAN |
| 71 | 3903 | Café Bhangoria | GULSHAN |
| 72 | 3342 | Anglow School | GULSHAN |
| 73 | 3904 | MANZAR-E-JILANI | GULSHAN |
| 74 | 3341 | Bukhshi | GULSHAN |
| 75 | 3439 | Sadiq Nagar | GULSHAN |
| 76 | 3514 | Mucca Chowk | GULSHAN |
| 77 | 2139 | Trimax Hospital (OLD Comprehensive School) | GULSHAN |
| 78 | 2019 | Dastagir Society | GULSHAN |
| 79 | 2012 | Dehli College | GULSHAN |
| 80 | 2156 | Memon Masjid | GULSHAN |
| 81 | 2099 | Yasinabad | GULSHAN |
| 82 | 2084 | Raza Flour Mills | GULSHAN |
| 83 | 344 | Kohistan Builder (Gul-Shamim) | GULSHAN |
| 84 | 2073 | M. Younus | GULSHAN |
| 85 | 138 | MASJID-E-AKBAR | BALDIA |
| 86 | 3392 | AL-FAWAD MEDICAL RMU | BALDIA |
| 87 | 1164 | SECTOR-21 | BALDIA |
| 88 | 3369 | USMAN GHANI MASJID | BALDIA |
| 89 | 2025 | RAEES AMROHI | Orangi |
| 90 | 2181 | MILLAT COLONY | Orangi |
| 91 | 4118 | RIAZABAD BUS STOP (X-23 Bus Stop) | Orangi |
| 92 | 137 | MOMINABAD | BALDIA |
| 93 | 3915 | FERRARI | BALDIA |
| 94 | 3916 | AMAZON | BALDIA |
| 95 | 4011 | YASOOB RMU (X-4 BUS STOP) | BALDIA |
| 96 | 1111 | SAADULLAH GOTH | BALDIA |
| 97 | 3136 | VIBC BALDIA | BALDIA |
| 98 | 1160 | SUPARCO ROAD P-01 | BALDIA |
| 99 | 1159 | QUTBI HOTEL | BALDIA |
| 100 | 134 | AFRIDI COLONY | BALDIA |
| 101 | 140 | KHYBER CHOWK | BALDIA |
| 102 | 136 | SAEEDABAD | BALDIA |
| 103 | 2055 | BUS TERMINAL | BALDIA |
| 104 | 3195 | ITTEHAD COTTAGE INDUSTRY | BALDIA |
| 105 | 145 | SIND CONSTABULARY | BALDIA |
| 106 | 133 | MURSHID HOSPITAL | BALDIA |
| 107 | 148 | EIDGAH P-47 | BALDIA |
| 108 | 146 | JAM SAHAB ROAD P-12 | BALDIA |
| 109 | 917 | POLICE TRAINING CENTRE | BALDIA |
| 110 | 1161 | NORTHERN ELECTRIC | BALDIA |
| 111 | 144 | GOL SABEL RMU | BALDIA |
| 112 | 1162 | HAPPY PAN HOUSE(P-29) | BALDIA |
| 113 | 130 | FAQEER COLONY | Orangi |
| 114 | 3338 | MANSOOR SHER | BALDIA |
| 115 | 135 | PAKISTAN BAZAR | BALDIA |
| 116 | 3622 | FARAZ AHMED RMU | BALDIA |
| 117 | 3623 | P-23 QAIM KHANI RMU | BALDIA |
| 118 | 3691 | SAFFRON ENGINEERING | BALDIA |



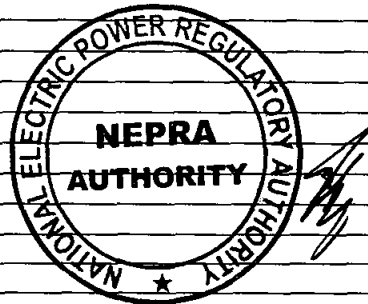
| | | | |
|-----|------|----------------------------------|---------|
| 119 | 3371 | HAROON BEHRIA | BALDIA |
| 120 | 131 | BILAL COACH | BALDIA |
| 121 | 3527 | AKRAM STORE | BALDIA |
| 122 | 3626 | MUSHARRAF COLONY RMU | BALDIA |
| 123 | 141 | IQBAL ROAD RMU | BALDIA |
| 124 | 142 | TOORI BANGASH | Orangi |
| 125 | 3917 | JACINDA | BALDIA |
| 126 | 3391 | NOORANI MASJID | BALDIA |
| 127 | 483 | FEROZABAD POLICE STN | SOCIETY |
| 128 | 489 | PAF HOUSING + | SOCIETY |
| 129 | 3246 | JUMANI SQUARE RMU | SOCIETY |
| 130 | 3245 | JASON TRADE S/S | SOCIETY |
| 131 | 486 | TOYOTA MOTORS | SOCIETY |
| 132 | 3331 | PESHAWARI ICE CREAM RMU | SOCIETY |
| 133 | 485 | RAO RMU | SOCIETY |
| 134 | 504 | KHALIL A. SATTAR + | SOCIETY |
| 135 | 505 | ZEENAT BALOCH | SOCIETY |
| 136 | 498 | POLE-48+ | SOCIETY |
| 137 | 497 | SOIL MECHANICS | SOCIETY |
| 138 | 3447 | AWAMI CHOWK | SOCIETY |
| 139 | 491 | KARACHI ADMIN SOCIETY + | SOCIETY |
| 140 | 499 | MANZOOR COLONY | SOCIETY |
| 141 | 2134 | SHEHNAZ ARCADE | SOCIETY |
| 142 | 482 | ROYAL APARTMENT | SOCIETY |
| 143 | 1120 | REHMAN COLONY + | SOCIETY |
| 144 | 3433 | USAMA MASJID | SOCIETY |
| 145 | 2118 | BALOCH CENTRE+ | SOCIETY |
| 146 | 484 | UNITED HOSPITAL | SOCIETY |
| 147 | 502 | GULZAR-E-HABIB RMU | SOCIETY |
| 148 | 506 | KCHS -D (old name: N A BUILDERS) | SOCIETY |
| 149 | 2125 | CITY MALL + | SOCIETY |
| 150 | 3258 | UBAIDULLAH | SOCIETY |
| 151 | 2140 | CHAPTER SCHOOL | SOCIETY |
| 152 | 3445 | SECTOR I RMU | SOCIETY |
| 153 | 1124 | MEDICARE HOSPITAL | SOCIETY |
| 154 | 104 | QUALITY BUILDER + | SOCIETY |
| 155 | 2089 | ZAHIR HOTEL | SOCIETY |
| 156 | 2147 | ALAMGIR | SOCIETY |
| 157 | 2166 | SHAHEED-E-MILLAT + | SOCIETY |
| 158 | 1150 | AMBER CINEMA+ | SOCIETY |
| 159 | 95 | DADA TERRACE + | SOCIETY |
| 160 | 3390 | SAIMA GARDEN | SOCIETY |
| 161 | 1127 | PIB COLONY + | SOCIETY |
| 162 | 1175 | RANGOONWALA | SOCIETY |
| 163 | 107 | KE WORKSHOP | SOCIETY |
| 164 | 1362 | TIME PRESS | SOCIETY |
| 165 | 97 | MUHAMMAD ALI SOCIETY | SOCIETY |
| 166 | 3548 | Rabbi Apartment | GULSHAN |
| 167 | 102 | Eagle Squad + | GULSHAN |
| 168 | 2135 | A-1 CENTRE + | SOCIETY |
| 169 | 110 | PAK CAPITAL-3 | SOCIETY |
| 170 | 877 | NATIONAL COACHING | SOCIETY |
| 171 | 116 | NOBLE HEIGHTS + | SOCIETY |
| 172 | 3507 | KERNAL BASTI | SOCIETY |
| 173 | 98 | MILK PLANT + | SOCIETY |
| 174 | 3139 | SALATEEN | SOCIETY |
| 175 | 3697 | Ghousia Bakery | GULSHAN |
| 176 | 117 | QDC | GULSHAN |
| 177 | 115 | KDA SCHEME-1 + | SOCIETY |
| 178 | 3380 | MAQBOOLABAD | SOCIETY |
| 179 | 1176 | Army Housing-5 | GULSHAN |



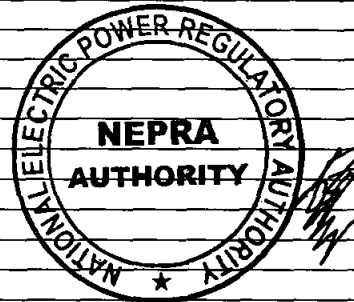
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Annex - S

| | | | |
|-----|------|---|-----------|
| 180 | 108 | LIAQUAT NATIONAL LIBRARY+CAP 3 | SOCIETY |
| 181 | 125 | SHAH FAISAL TOWN | Bin Qasim |
| 182 | 124 | SAUDABAD PUMPING | Bin Qasim |
| 183 | 121 | LAL MASJID | Bin Qasim |
| 184 | 3122 | TARIQ BIN ZIAD | Bin Qasim |
| 185 | 123 | MOINABAD | Bin Qasim |
| 186 | 2070 | IBRAHIM NAFEEES RMU | Bin Qasim |
| 187 | 122 | MODEL COLONY 'A' | Bin Qasim |
| 188 | 162 | MADERSA TALEEM QURAN RMU | Bin Qasim |
| 189 | 2129 | PAK IND GASES-2 | Bin Qasim |
| 190 | 153 | MAJOR MANSHA FARM + Cap (OLD KDA PUMPING NO. 3) | Bin Qasim |
| 191 | 166 | FORBUS CHLORIDE | Bin Qasim |
| 192 | 3593 | NAVAL DDP NWHS | Bin Qasim |
| 193 | 160 | N.M POULTRY FARM (OLD BUX TEXTILE) | Bin Qasim |
| 194 | 163 | FRIENDS | Bin Qasim |
| 195 | 183 | MEHRAB KHAN | BALDIA |
| 196 | 1339 | YWCA | SOCIETY |
| 197 | 1183 | RIMPA PLAZA | SOCIETY |
| 198 | 1189 | IQBAL CENTER | SOCIETY |
| 199 | 178 | FTC | SOCIETY |
| 200 | 3142 | GULSHAN VIEW | JOHAR |
| 201 | 3919 | SHUMAIL COMPLEX | JOHAR |
| 202 | 893 | Allama Iqbal School (Five Star) | GULSHAN |
| 203 | 1631 | Kiran Arcade (P-19) | Surjani |
| 204 | 3145 | Miskeenabad | Surjani |
| 205 | 891 | Sewerage Plant | Surjani |
| 206 | 194 | Aziz Industries | GULSHAN |
| 207 | 892 | KHAN BROTHERS | JOHAR |
| 208 | 3339 | PETAL RESIDENCY | JOHAR |
| 209 | 186 | Basra Soap | GULSHAN |
| 210 | 3164 | Gabol Town | Surjani |
| 211 | 1201 | Abid Plaza | GULSHAN |
| 212 | 3466 | Anwar-ul-Uloom | GULSHAN |
| 213 | 206 | Ruqaiyya Square | GULSHAN |
| 214 | 209 | Taimuria Library | Surjani |
| 215 | 3335 | Dental College | Surjani |
| 216 | 211 | Habib Foundation | Surjani |
| 217 | 3333 | Peoples Colony | Surjani |
| 218 | 1199 | Gulberg | GULSHAN |
| 219 | 1203 | Farooq-e-Azam | GULSHAN |
| 220 | 217 | Edhi Home (Old Maymar Housing) | GULSHAN |
| 221 | 3605 | Rizwan Plaza | Surjani |
| 222 | 2097 | Aisha Manzil (Old Meena) | GULSHAN |
| 223 | 197 | KMC Water Pump | GULSHAN |
| 224 | 192 | Chand Market | GULSHAN |
| 225 | 215 | Labour Square | Surjani |
| 226 | 187 | New Karachi | Surjani |
| 227 | 1200 | Tahir Villa | GULSHAN |
| 228 | 204 | Supreme Height (Old Rizwan Plaza) | Surjani |
| 229 | 205 | UBL Sports | GULSHAN |
| 230 | 189 | Rahim Textile | Surjani |
| 231 | 3457 | Sareena | Surjani |
| 232 | 196 | R.I.G SCHOOL | GULSHAN |
| 233 | 188 | RP Confectionary | Surjani |
| 234 | 3428 | PNSC | Surjani |
| 235 | 193 | Pyramid Center | GULSHAN |
| 236 | 621 | Hasan Cold | Surjani |
| 237 | 212 | KBR Society + Cap-5A | Surjani |
| 238 | 3165 | Pole-12 Sector 12-D | Surjani |
| 239 | 3287 | Namak Bank | Surjani |
| 240 | 3456 | Summit Bank | Surjani |

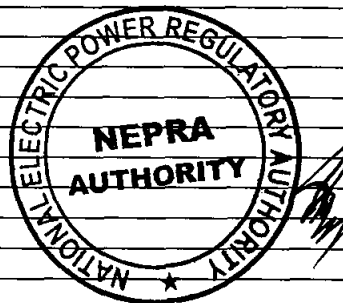


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|-----|------|--------------------------------------|-----------|
| 241 | 213 | Shamsi Garment | Surjani |
| 242 | 225 | SHAH KHALID COLONY (OLD ROSHAN BAGH) | Surjani |
| 243 | 216 | Ancholi Society | GULSHAN |
| 244 | 208 | Ayub Manzil | GULSHAN |
| 245 | 1198 | UK Square | GULSHAN |
| 246 | 3143 | POLE - 20 | JOHAR |
| 247 | 195 | Abbas Square | GULSHAN |
| 248 | 222 | Progressive | GULSHAN |
| 249 | 3748 | Al-Akhwan Masjid | Surjani |
| 250 | 3163 | Al-Madina Godhra | Surjani |
| 251 | 224 | Naseerabad (Khi Academy) | GULSHAN |
| 252 | 1205 | Shamim Appt. | GULSHAN |
| 253 | 218 | Cosmos Plaza | GULSHAN |
| 254 | 190 | Saghir Center (Rashid Minhas) | GULSHAN |
| 255 | 890 | Al-Noor Society + | GULSHAN |
| 256 | 223 | Relax Appartment | GULSHAN |
| 257 | 220 | Eastern Services + Cap 6 | GULSHAN |
| 258 | 3956 | LUBNA FARM | JOHAR |
| 259 | 228 | AGHA SHAHI | JOHAR |
| 260 | 227 | HUDERWA | JOHAR |
| 261 | 229 | WAPDA O/H | JOHAR |
| 262 | 230 | DANISH FARM RMU | JOHAR |
| 263 | 226 | DEH SHAH MUREED | JOHAR |
| 264 | 232 | ZOO | SOCIETY |
| 265 | 3406 | NAGORI HOSPITAL | SOCIETY |
| 266 | 237 | AMBAJEE VILLAJEEE | SOCIETY |
| 267 | 231 | RAM SWAMI | SOCIETY |
| 268 | 234 | GARDEN-II | SOCIETY |
| 269 | 235 | ISMAILIA PLATINUM | SOCIETY |
| 270 | 236 | HOLY FAMILY | SOCIETY |
| 271 | 251 | KARACHI SCHOLAR RMU | SOCIETY |
| 272 | 239 | KMC BUILDING | SOCIETY |
| 273 | 254 | MAZAR-E-QUAID-3 | SOCIETY |
| 274 | 243 | SALEEM TERRACE + Cap | BALDIA |
| 275 | 244 | PASBAN MASJID | Orangi |
| 276 | 682 | ANA CROWN | BALDIA |
| 277 | 3552 | JJ APARTMENT | SOCIETY |
| 278 | 249 | EVERSHINE | SOCIETY |
| 279 | 3536 | ABDUL MANAN | SOCIETY |
| 280 | 238 | FATIMID FOUNDATION | SOCIETY |
| 281 | 1137 | G. H. QASIM ROAD | SOCIETY |
| 282 | 200 | CITY GOVT. PRESS | SOCIETY |
| 283 | 245 | REXER LANE | Orangi |
| 284 | 2114 | FIA | SOCIETY |
| 285 | 258 | CAPRI CINEMA | SOCIETY |
| 286 | 241 | BANDOOQWALA | SOCIETY |
| 287 | 259 | Saakro Morr | Bin Qasim |
| 288 | 261 | LASHARI GOTH | Bin Qasim |
| 289 | 15 | PARSI TRUST | SOCIETY |
| 290 | 782 | Dyre Textile | GULSHAN |
| 291 | 812 | OLD GOLIMAR | Orangi |
| 292 | 830 | AMBRELI WALA | Orangi |
| 293 | 832 | SHAFI & CO. | Orangi |
| 294 | 833 | REPUBLIC-II | Orangi |
| 295 | 3404 | AMSONS | Orangi |
| 296 | 3737 | SAF COMPANY | Orangi |
| 297 | 3856 | MOLADAD VILLAGE | Orangi |
| 298 | 3843 | DALL MILL RMU | Orangi |
| 299 | 818 | Al-Marooof Sweet RMU + | GULSHAN |
| 300 | 2197 | TRAILER DEVELOPEMENT CORPORATION | Orangi |
| 301 | 3003 | ASIO AFRICAN | Orangi |

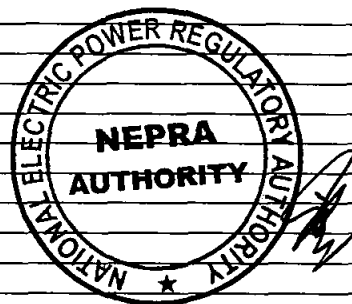


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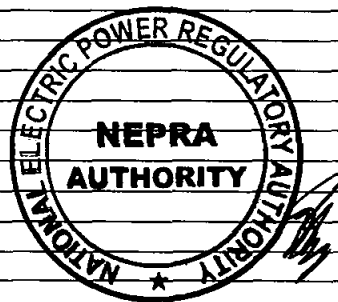
| | | | |
|-----|------|-----------------------------------|---------|
| 302 | 819 | GHANI CHOWRANGI | Orangi |
| 303 | 3109 | GRAMO PHONE | Orangi |
| 304 | 823 | MEHRAN BOTTLER | Orangi |
| 305 | 3006 | SOVENIER TOBACCO | Orangi |
| 306 | 327 | Aziz Bhatti | GULSHAN |
| 307 | 315 | Gulshan Gulshan | GULSHAN |
| 308 | 3017 | Sindbad | GULSHAN |
| 309 | 1215 | Erum Developer | GULSHAN |
| 310 | 318 | Urdu College | GULSHAN |
| 311 | 325 | Khursheed Homes | GULSHAN |
| 312 | 1213 | NESCOS | GULSHAN |
| 313 | 1212 | Station Road | GULSHAN |
| 314 | 3416 | Pipe Factory | GULSHAN |
| 315 | 2053 | Jamia Sibtain | GULSHAN |
| 316 | 324 | Faran Club (Old Ashraf Square) | GULSHAN |
| 317 | 321 | PNS JOHAR | SOCIETY |
| 318 | 331 | Holly Wood | GULSHAN |
| 319 | 3873 | AQSA TOWER | GULSHAN |
| 320 | 316 | Orient Builders | GULSHAN |
| 321 | 335 | NIPA Pumping | GULSHAN |
| 322 | 328 | COD Hill | GULSHAN |
| 323 | 334 | Shanti Nagar | GULSHAN |
| 324 | 330 | Rub Center | GULSHAN |
| 325 | 326 | Exhibition | GULSHAN |
| 326 | 329 | Mujahid Colony | GULSHAN |
| 327 | 353 | Gul Telephone Exchange | GULSHAN |
| 328 | 1216 | Karson Complex | GULSHAN |
| 329 | 323 | NCHS | GULSHAN |
| 330 | 339 | Al-Azmat | GULSHAN |
| 331 | 338 | Parkwala | GULSHAN |
| 332 | 3118 | Mughal-e-Azam | GULSHAN |
| 333 | 336 | GULSHAN-E-JAMAL 3 | SOCIETY |
| 334 | 3169 | NED RMU | JOHAR |
| 335 | 2100 | Rufi Heaven | GULSHAN |
| 336 | 2124 | Azeem Khan Park | GULSHAN |
| 337 | 343 | Lucky Center | GULSHAN |
| 338 | 345 | ASKARI-5 | JOHAR |
| 339 | 3551 | Saima Royal Residency-2 | GULSHAN |
| 340 | 1219 | Dhorajee Colony (Old Usman Plaza) | GULSHAN |
| 341 | 3477 | Harmain Builders | GULSHAN |
| 342 | 3016 | Maskan | GULSHAN |
| 343 | 348 | Suleman Plaza | GULSHAN |
| 344 | 317 | Nursery | GULSHAN |
| 345 | 112 | EMPIRE CENTRE | JOHAR |
| 346 | 3421 | RASHID MINHAS | SOCIETY |
| 347 | 347 | Al-Najeeb | GULSHAN |
| 348 | 351 | Asif & Zafar | GULSHAN |
| 349 | 822 | FOUNDATION ENGINEERING | Orangi |
| 350 | 824 | STAR TEXTILE | Orangi |
| 351 | 817 | DOST MOHAMMAD | Orangi |
| 352 | 835 | DADA CERAMIC | Orangi |
| 353 | 831 | JAMAL INDUSTRY | Orangi |
| 354 | 820 | AZAD FRIEND | Orangi |
| 355 | 834 | EASTERN FILM | Orangi |
| 356 | 3137 | NAURAS | Orangi |
| 357 | 828 | ALAMGIR | Orangi |
| 358 | 827 | METALAX -II | Orangi |
| 359 | 3099 | MOONLIGHT | Orangi |
| 360 | 3855 | INDUS RAYON | Orangi |
| 361 | 3499 | SHAH SONS | Orangi |
| 362 | 3844 | STERLING PLYWOOD | Orangi |



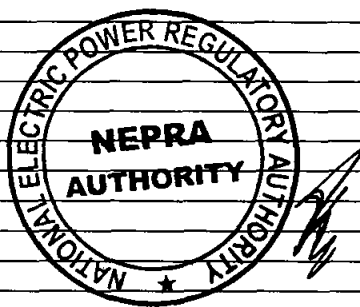
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| 363 | 3487 | ISMAIL YOUNUS | SOCIETY |
| 364 | 363 | SINDHI MUSLIM-2 | SOCIETY |
| 365 | 3489 | SWEeper QUARTER | SOCIETY |
| 366 | 3517 | NIC | SOCIETY |
| 367 | 368 | HASHOO APARTMENT | SOCIETY |
| 368 | 364 | CDGK PARKING PLAZA | SOCIETY |
| 369 | 380 | OLD JACOB LINES | SOCIETY |
| 370 | 365 | KDA LOW COST | SOCIETY |
| 371 | 3110 | ZAIN RMU | SOCIETY |
| 372 | 360 | PECHS BLOCK-2 | SOCIETY |
| 373 | 3473 | AL GHAFOR CHALET | SOCIETY |
| 374 | 3471 | PIA SQUASH COMPLEX | SOCIETY |
| 375 | 369 | KYANI SHAHEED | SOCIETY |
| 376 | 3891 | FAZAL PAN RMU | SOCIETY |
| 377 | 356 | QUAID-E-AZAM-2 | SOCIETY |
| 378 | 361 | SHAHRAH E QUAIDEEN | SOCIETY |
| 379 | 2167 | COP RMU | SOCIETY |
| 380 | 358 | MUSLIMABAD | SOCIETY |
| 381 | 3104 | SULEMAN ARCADE | SOCIETY |
| 382 | 3503 | MOONA ARCADE | SOCIETY |
| 383 | 359 | TARIQ ROAD | SOCIETY |
| 384 | 1136 | FAYYAZ CENTER | SOCIETY |
| 385 | 383 | JINNAH COMPLEX | SOCIETY |
| 386 | 379 | JENICA CENTER | SOCIETY |
| 387 | 2047 | Nagwan Village | GULSHAN |
| 388 | 96 | KHALID NAGORI | SOCIETY |
| 389 | 2121 | BAHADUR YAR JUNG | SOCIETY |
| 390 | 1361 | JAIL | SOCIETY |
| 391 | 3385 | RASOOL BAGH | SOCIETY |
| 392 | 2051 | NOORI BABA | SOCIETY |
| 393 | 2091 | SHAHEEN LAWN | SOCIETY |
| 394 | 2021 | Haji Mureed RMU | GULSHAN |
| 395 | 3560 | AMIL COLONY | SOCIETY |
| 396 | 3547 | Rehbar Club | GULSHAN |
| 397 | 2169 | PECHS-F | SOCIETY |
| 398 | 2096 | REHMANI GARDEN | SOCIETY |
| 399 | 357 | CLAYTON QUARTERS | SOCIETY |
| 400 | 2074 | NAWAB ISMAIL | SOCIETY |
| 401 | 3540 | WAQAS GAS | SOCIETY |
| 402 | 2160 | SOCIETY CINEMA | SOCIETY |
| 403 | 3534 | GUJRAT COLONY | SOCIETY |
| 404 | 3059 | AFNAN DUPLEX | JOHAR |
| 405 | 3086 | UNI Gold RMU | JOHAR |
| 406 | 304 | GLOBE CENTER | JOHAR |
| 407 | 294 | OJHA SANITORIUM | JOHAR |
| 408 | 302 | SANA AVENUE | JOHAR |
| 409 | 296 | SAFARI BLESSING | JOHAR |
| 410 | 293 | METEROLOGICAL DEPARTMENT | JOHAR |
| 411 | 3179 | TIPU SULTAN SOCIETY | JOHAR |
| 412 | 299 | CHAPPLE BUILDER | JOHAR |
| 413 | 3714 | PINK PARK RMU | JOHAR |
| 414 | 3973 | SOHNI RESORT RMU (old name: RASHIDI GOTH RMU) | JOHAR |
| 415 | 1229 | DECENT GARDEN | JOHAR |
| 416 | 314 | MALIK SOCIETY | JOHAR |
| 417 | 3722 | SHAEZ RESIDENCY | JOHAR |
| 418 | 3080 | KHI. MEMON SOCIETY | JOHAR |
| 419 | 3731 | GUL HOUSES RMU | JOHAR |
| 420 | 295 | MARORA GOTH | JOHAR |
| 421 | 3213 | RIM JHIM TOWER | JOHAR |
| 422 | 308 | GEOLOGICAL SURVEY OF PAKISTAN (GSP) | JOHAR |
| 423 | 3262 | JUBILEE GATE | JOHAR |



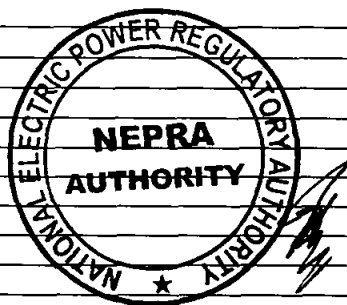
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| 424 | 306 | SUPARCO | JOHAR |
| 425 | 3801 | NAVY MERCHANT CHS | JOHAR |
| 426 | 3120 | PAK SCIENTIFIC SOCIETY | JOHAR |
| 427 | 3111 | PILI BHEET | JOHAR |
| 428 | 309 | ABDUL GHANI | JOHAR |
| 429 | 3114 | DUBAI MALL 2000 RMU | JOHAR |
| 430 | 3056 | CROWN GARDEN | JOHAR |
| 431 | 1228 | PREM VILLAS | JOHAR |
| 432 | 300 | AGHA KHAN TRUST | JOHAR |
| 433 | 3419 | AREESHA CHS (old Name: JOHAR COMPLEX S/S) | JOHAR |
| 434 | 3232 | PIA SOCIETY | JOHAR |
| 435 | 3475 | CAPITAL HOUSING SOCIETY 01 | JOHAR |
| 436 | 3476 | POST OFFICE SOCIETY | JOHAR |
| 437 | 4043 | ABDUL REHMAN | JOHAR |
| 438 | 3276 | SAADI TOWN RMU | JOHAR |
| 439 | 3442 | RUPALI RMU | JOHAR |
| 440 | 398 | JIWANI HEIGHTS | JOHAR |
| 441 | 400 | KIRAN HOSPITAL | JOHAR |
| 442 | 399 | HADIABAD | JOHAR |
| 443 | 404 | PRINCE ALI | JOHAR |
| 444 | 416 | SUNLAY DEVELOPERS | JOHAR |
| 445 | 3061 | MEERIOTH SOCIETY | JOHAR |
| 446 | 3435 | MEHRAN TOWER | JOHAR |
| 447 | 3535 | SHAHEED MAKHDOOM BILAWAL | JOHAR |
| 448 | 2104 | SACHIAL SARMAST (old: AFGHAN BASTI) | JOHAR |
| 449 | 3771 | ZIKRIA GOTH | JOHAR |
| 450 | 410 | FANCY HEIGHTS | JOHAR |
| 451 | 3412 | MADRAS SOCIETY | JOHAR |
| 452 | 3870 | PAK LAND | JOHAR |
| 453 | 403 | SAHAFI COLONY | JOHAR |
| 454 | 3681 | AMROHA SOCIETY | JOHAR |
| 455 | 417 | HASHIMABAD | JOHAR |
| 456 | 408 | AL-AZHAR GARDEN | JOHAR |
| 457 | 397 | BISMILLAH MARKET | JOHAR |
| 458 | 3058 | IONOSPHERIC LAB | JOHAR |
| 459 | 409 | RUFİ GREEN LAND (old name: GREEN LAND CITY (POLE 77 RMU) | JOHAR |
| 460 | 3119 | KDA EMPLOYEE SOCIETY | JOHAR |
| 461 | 3464 | AGRO EXPORT PROCESSING ZONE | JOHAR |
| 462 | 3057 | PAF CHOTTA MALIR | JOHAR |
| 463 | 3415 | POLICE SOCIETY | JOHAR |
| 464 | 3318 | HALARI MEMON SOCIETY | JOHAR |
| 465 | 3247 | KATHIAWAR SOCIETY | JOHAR |
| 466 | 3685 | GULISTAN CHS 1 | JOHAR |
| 467 | 3686 | JAMALI BRIDGE | JOHAR |
| 468 | 3730 | SECRETARY GOVT CHS | JOHAR |
| 469 | 3886 | SURTI MUSLIM CHS | JOHAR |
| 470 | 3741 | MUHAMMAD FAROOQ | JOHAR |
| 471 | 3876 | WHITE HOUSE RMU | JOHAR |
| 472 | 3879 | TULIP TOWER | JOHAR |
| 473 | 402 | SUPER HIGHWAY PUMPING | JOHAR |
| 474 | 3853 | RANGERS HEAD QUARTER | JOHAR |
| 475 | 3334 | PUNJABI SUDAGRAN | JOHAR |
| 476 | 4004 | JHANJAR GOTH | JOHAR |
| 477 | 401 | TEACHERS SOCIETY | JOHAR |
| 478 | 387 | LABOUR FLATS | Bin Qasim |
| 479 | 4003 | BORSTAL JAIL | Bin Qasim |
| 480 | 4010 | 500 QUARTER | Bin Qasim |
| 481 | 3837 | MEDICO RMU | KORANGI |
| 482 | 3394 | MUZZAFARABAD | KORANGI |
| 483 | 3153 | 52-A BUS STOP RMU | KORANGI |
| 484 | 3971 | FAST RMU (raza city) | Bin Qasim |



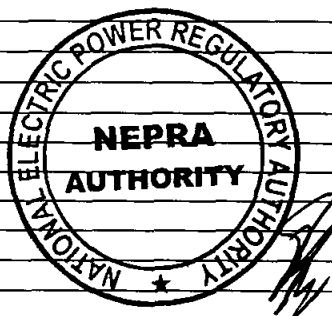
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| 485 | 393 | SINDH ALKALLIES | KORANGI |
| 486 | 897 | KMC ABBITOR | Bin Qasim |
| 487 | 3395 | ROAD NO.2 RMU | Bin Qasim |
| 488 | 388 | MAJEED COL. RMU | KORANGI |
| 489 | 386 | CATTLE COLONY RMU | Bin Qasim |
| 490 | 392 | INTERNATIONAL IND. LTD. | KORANGI |
| 491 | 3348 | COUNTY GARDEN | JOHAR |
| 492 | 3067 | A.D.B.P | JOHAR |
| 493 | 303 | JOHAR SQUARE | JOHAR |
| 494 | 2153 | USMAN TERRACE | JOHAR |
| 495 | 3053 | Hussain Hazara Goth | GULSHAN |
| 496 | 3177 | Pak Swiss | GULSHAN |
| 497 | 3072 | SHALIMAR RMU | JOHAR |
| 498 | 3176 | Nillat | GULSHAN |
| 499 | 349 | HUNAID CITY | JOHAR |
| 500 | 3068 | KING RESIDENCY | JOHAR |
| 501 | 4053 | AL-KHAIR BAKERS | JOHAR |
| 502 | 341 | ALLIANCE ARCADE | JOHAR |
| 503 | 3084 | KDA OVERSEAS BUNGLOWS | JOHAR |
| 504 | 3065 | GULSHAN-E-AMEEN TOWER | JOHAR |
| 505 | 3087 | RABIA CITY | JOHAR |
| 506 | 3440 | NEW LYARI C.H.S | JOHAR |
| 507 | 352 | BILLY'S PARADISE | JOHAR |
| 508 | 3075 | IQRA COMPLEX | JOHAR |
| 509 | 342 | SUNNY VIEW | JOHAR |
| 510 | 3465 | AL-KHIZERA HEIGHTS | JOHAR |
| 511 | 354 | NOMAN HEAVEN | JOHAR |
| 512 | 3539 | Allah Noor | GULSHAN |
| 513 | 3684 | GREY HEIGHTS | JOHAR |
| 514 | 437 | DUTECH | KORANGI |
| 515 | 435 | RCD BALL BEARING | KORANGI |
| 516 | 1237 | MERRIT PACKAGES | KORANGI |
| 517 | 421 | TIGER STEEL | KORANGI |
| 518 | 432 | UNITED STEEL | KORANGI |
| 519 | 3045 | J-01 AREA RMU | KORANGI |
| 520 | 425 | ZAFAR ICE | KORANGI |
| 521 | 426 | ELLAHI FLOUR | KORANGI |
| 522 | 428 | 7 - A RMU | KORANGI |
| 523 | 431 | ROTI PLANT | KORANGI |
| 524 | 2066 | LASSI RMU | KORANGI |
| 525 | 4013 | AMALGAMATED | KORANGI |
| 526 | 3312 | MILLAT TOWN | KORANGI |
| 527 | 3546 | SEC-10 RMU | KORANGI |
| 528 | 424 | DADABHOY PAPER (EAST PAK) | KORANGI |
| 529 | 438 | QABRISTAN RMU | KORANGI |
| 530 | 4024 | A&S Oil SS | KORANGI |
| 531 | 4023 | PRECISSION RUBBER | KORANGI |
| 532 | 433 | RUSTAM ICE | KORANGI |
| 533 | 3586 | NATIONAL MEDICAL CENTER RMU | Bin Qasim |
| 534 | 436 | MOON LIGHT | KORANGI |
| 535 | 422 | D-AREA RMU | KORANGI |
| 536 | 448 | G. MARKET RMU | KORANGI |
| 537 | 3564 | M. SHARIF RMU | KORANGI |
| 538 | 3838 | GHAUS PAK ROAD | KORANGI |
| 539 | 427 | 5C BILALABAD (OLD BANK AL-FALAH RMU) | KORANGI |
| 540 | 3933 | BARAY WALA RMU | KORANGI |
| 541 | 471 | COMP. HIGH SCHOOL | KORANGI |
| 542 | 3932 | GULISTAN MARKET RMU | KORANGI |
| 543 | 430 | GHALIB CINEMA | KORANGI |
| 544 | 1250 | MADINA COLONY RMU | KORANGI |
| 545 | 1247 | OLD THANA RMU | KORANGI |



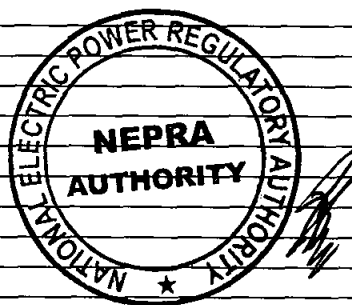
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| 546 | 1240 | M.A. MOHAMMADI | KORANGI |
| 547 | 1243 | SOHAIL SHAMSI | KORANGI |
| 548 | 3565 | CHINIOT HOSPITAL | KORANGI |
| 549 | 3570 | RIAZ HOTEL RMU | KORANGI |
| 550 | 3555 | 51-C RMU | KORANGI |
| 551 | 462 | PERAC | KORANGI |
| 552 | 444 | PAK HI OIL | KORANGI |
| 553 | 480 | LONDON TANNERY | KORANGI |
| 554 | 3052 | LAL MOHAMMAD GOTH RMU (OLD MILLAT TOWN) | KORANGI |
| 555 | 474 | TANZEEM FLOUR | KORANGI |
| 556 | 445 | AHMED INVESTMENT | KORANGI |
| 557 | 481 | FAKHRIA TANNERY | KORANGI |
| 558 | 3577 | ARA MACHINE RMU | KORANGI |
| 559 | 4021 | OBAID ASHFAQ | KORANGI |
| 560 | 3048 | KORANGI ZOO | KORANGI |
| 561 | 473 | ALI ICE | KORANGI |
| 562 | 459 | FOUNDATION GAS | KORANGI |
| 563 | 2028 | BILAL CHOWRANGI RMU | KORANGI |
| 564 | 460 | KOR. TELE EXCH. 02 | KORANGI |
| 565 | 3579 | FAROOQI ICE | KORANGI |
| 566 | 465 | LAKSON TOBACCO | KORANGI |
| 567 | 4022 | KHADDA ABADI RMU (SHARIFABAD RMU) | KORANGI |
| 568 | 3835 | JIVANI TRADERS RMU | KORANGI |
| 569 | 3839 | PRIME PACK | KORANGI |
| 570 | 457 | WAH FLOUR | KORANGI |
| 571 | 3585 | ANWER MAMA RMU | KORANGI |
| 572 | 3578 | GOLDEN HARVEST | KORANGI |
| 573 | 450 | ZIA COLONY RMU | KORANGI |
| 574 | 452 | POLY PROPLINE (old name: UNION CARBIDE) | KORANGI |
| 575 | 3044 | ZAM ZAM | KORANGI |
| 576 | 476 | SHAMA FLOUR | KORANGI |
| 577 | 467 | L-AREA RMU | KORANGI |
| 578 | 466 | HAND TOOL | KORANGI |
| 579 | 439 | ASHRAF & CO. | KORANGI |
| 580 | 468 | IRFAN ASSOCIATES | KORANGI |
| 581 | 479 | ASSOCIATED GLASS | KORANGI |
| 582 | 456 | SATTAR INDUSTRIES | KORANGI |
| 583 | 458 | HABIB KNIT WEAR | KORANGI |
| 584 | 472 | REHMANIA MASJID | KORANGI |
| 585 | 441 | KHAS TRADERS | KORANGI |
| 586 | 475 | MEHRAN JUTE | KORANGI |
| 587 | 453 | POLE # 56 RMU | KORANGI |
| 588 | 3841 | KHALID ENTERPRIZE | KORANGI |
| 589 | 449 | ITTEHAD OIL | KORANGI |
| 590 | 1151 | SMART HI PRESSURE | KORANGI |
| 591 | 3811 | CRESCENT PENCIL | KORANGI |
| 592 | 3468 | BANGASH-2 | SOCIETY |
| 593 | 45 | JUNEJO TOWN | SOCIETY |
| 594 | 52 | PAK JUTE | KORANGI |
| 595 | 4123 | Khalil Ahmed RMU | KORANGI |
| 596 | 3047 | FINE STAR | KORANGI |
| 597 | 4027 | MEHBOOB PROLINE RMU | KORANGI |
| 598 | 4026 | AMMAR BUKHARI | KORANGI |
| 599 | 3469 | DIN MUHAMMAD-1 | SOCIETY |
| 600 | 2192 | AL-ATHER | Orangi |
| 601 | 2196 | IRFAN STEEL | Orangi |
| 602 | 3462 | PAKISTAN LEAF | Orangi |
| 603 | 611 | COMMON FACILITY | Orangi |
| 604 | 829 | AMIN MAZDA | baldia |
| 605 | 783 | KDA PUMP BALDIA | BALDIA |
| 606 | 3914 | KPI | Orangi |



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| 607 | 3913 | RENOVICKER | Orangi |
| 608 | 1349 | MS CATTS | Orangi |
| 609 | 3259 | COMMUNITY CENTER | Orangi |
| 610 | 1348 | UNI LEVER | Orangi |
| 611 | 2178 | NAVEENA INDUSTRY | Orangi |
| 612 | 815 | HAIDERY WOOD | Orangi |
| 613 | 790 | INDUSTRIAL LABOUR FLAT | Orangi |
| 614 | 797 | MEHTAB INDUSTRY | Orangi |
| 615 | 780 | MANZOOR TRADER | Orangi |
| 616 | 4148 | TRIPURA HOISERY | Orangi |
| 617 | 517 | AFTAB FLOUR | Bin Qasim |
| 618 | 508 | FIRDOUS TEXTILE | Bin Qasim |
| 619 | 2115 | RANGEEN CINEMA | Bin Qasim |
| 620 | 510 | KDA WATER PUMP | KORANGI |
| 621 | 536 | KHUWAJA AUTOS | Bin Qasim |
| 622 | 526 | DAWOOD COTTON | KORANGI |
| 623 | 3885 | Gulshan e Askari | Bin Qasim |
| 624 | 515 | SINDHI JAMAAT (EX ABBOTT LAB) | Bin Qasim |
| 625 | 532 | CONCRETE ENGG. | Bin Qasim |
| 626 | 522 | RICE GRINDING | KORANGI |
| 627 | 2033 | GREEN PARK CITY | Bin Qasim |
| 628 | 516 | SOCIAL SECURITY | KORANGI |
| 629 | 520 | POLE # 1 RMU | KORANGI |
| 630 | 524 | LANDHI 'B' (Meter No.: HTO-5352) | KORANGI |
| 631 | 535 | QUAIDABAD SHOPPING | Bin Qasim |
| 632 | 3836 | SIDDIQ-E-AKBER MASJID | KORANGI |
| 633 | 529 | 3-A RMU | KORANGI |
| 634 | 2105 | AL-SYED CENTER | Bin Qasim |
| 635 | 518 | FAZAL SHAFIQ | Bin Qasim |
| 636 | 523 | TRUST CERAMIC | Bin Qasim |
| 637 | 525 | DEH LANDHI | Bin Qasim |
| 638 | 537 | SHERPAO COLONY | KORANGI |
| 639 | 1262 | MANSEHRA COLONY | Bin Qasim |
| 640 | 530 | METAL ENGG. COMPLEX | Bin Qasim |
| 641 | 3411 | LANDHI-A | KORANGI |
| 642 | 528 | ANA INTERNATIONAL RMU (OLD SHABBIR TILES) | Bin Qasim |
| 643 | 527 | AMNA INDUSTRIES (OLD GLOBE TEXTILE) | Bin Qasim |
| 644 | 2080 | LALABAD | KORANGI |
| 645 | 704 | RADIO PAKISTAN I | Bin Qasim |
| 646 | 512 | INDUS FLOUR | Bin Qasim |
| 647 | 1123 | Falak Tower + | GULSHAN |
| 648 | 2024 | Bazar-e-Faisal (National Ice) + | GULSHAN |
| 649 | 550 | Ilyas Goth + | GULSHAN |
| 650 | 558 | Tayya Hotel (Old Liaqatabad-1) | GULSHAN |
| 651 | 3905 | Salman Height | GULSHAN |
| 652 | 1269 | Pakistan College (Old Nazimabad-1) + Cap-1 | GULSHAN |
| 653 | 548 | Zeenat Square | GULSHAN |
| 654 | 552 | Café Millat | GULSHAN |
| 655 | 542 | Gol Market (Old Nazimabad-3) | GULSHAN |
| 656 | 549 | Golden Star | GULSHAN |
| 657 | 543 | Timber Market + | GULSHAN |
| 658 | 3461 | Ismailia Flat | GULSHAN |
| 659 | 1265 | Qureshi Colony | GULSHAN |
| 660 | 540 | Nazimabad-4 | GULSHAN |
| 661 | 551 | Shakeel Corporation + Cap-3 (OLD Moosa Colony) | GULSHAN |
| 662 | 563 | Indus Ice + | GULSHAN |
| 663 | 557 | Apwa College (OLD Govt. School) | GULSHAN |
| 664 | 562 | Masjid-e-Khair-ul-Amal | GULSHAN |
| 665 | 544 | PWD Pumping-2 | GULSHAN |
| 666 | 1266 | Fed Capital-4 + | GULSHAN |
| 667 | 541 | Liberty Cinema | GULSHAN |



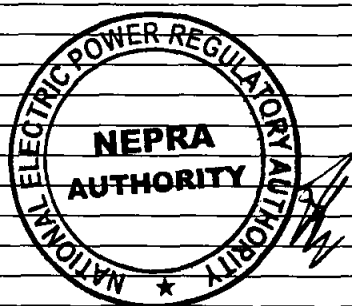
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| 668 | 560 | Fatima Barocha | GULSHAN |
| 669 | 1267 | Karimabad | GULSHAN |
| 670 | 3459 | Hadi Market | GULSHAN |
| 671 | 1264 | Liaqatabad-2 | GULSHAN |
| 672 | 559 | C1 Area + | GULSHAN |
| 673 | 556 | ABC Computer | GULSHAN |
| 674 | 553 | Al-Murtaza | GULSHAN |
| 675 | 3700 | DOOSA WOOL | BALDIA |
| 676 | 3285 | KNIGHT SLUM | BALDIA |
| 677 | 3004 | ATMA RAM PRITAMDAS | BALDIA |
| 678 | 3852 | BSK SCHOOL | BALDIA |
| 679 | 568 | FIDA HUSSAIN SHEKHA RD | BALDIA |
| 680 | 3693 | SHAHWALIULLAH | BALDIA |
| 681 | 3701 | BALUCH STAR RMU | BALDIA |
| 682 | 572 | LYARI ICE | BALDIA |
| 683 | 571 | MACHAR COLONY RMU | BALDIA |
| 684 | 567 | BEHAR PUMP | BALDIA |
| 685 | 3481 | QADIR KHAN RMU | BALDIA |
| 686 | 3490 | BAGHDADI | BALDIA |
| 687 | 569 | NAVAL FLATS | BALDIA |
| 688 | 570 | GULISTAN COLONY | BALDIA |
| 689 | 565 | CROWN CINEMA | BALDIA |
| 690 | 578 | M. ALI ALVI ROAD | BALDIA |
| 691 | 574 | LYARI-3 | BALDIA |
| 692 | 199 | JUMA BALUCH | BALDIA |
| 693 | 576 | GHOSIA ROAD | BALDIA |
| 694 | 577 | LYARI TEL. EXCHANGE | BALDIA |
| 695 | 583 | ADAM HANGORO | Bin Qasim |
| 696 | 599 | ALEEMABAD | Bin Qasim |
| 697 | 579 | BLOCK 'D' | Bin Qasim |
| 698 | 1273 | SHAHEED CHOWK RMU | Bin Qasim |
| 699 | 591 | MALIR DEFENCE | Bin Qasim |
| 700 | 587 | S.D HOUSES | Bin Qasim |
| 701 | 594 | FARHAT BAGH | Bin Qasim |
| 702 | 1276 | MES - 105 | Bin Qasim |
| 703 | 598 | GULSHAN-E-JAMI RMU | Bin Qasim |
| 704 | 3361 | GULZAR RMU | Bin Qasim |
| 705 | 3244 | VERVAL PATAN C.H.S | JOHAR |
| 706 | 3617 | KARACHI JUDICIAL EMPLOYEES CHS | JOHAR |
| 707 | 1139 | KHAIRPUR LINES | Bin Qasim |
| 708 | 597 | KAUSAR TOWN | Bin Qasim |
| 709 | 596 | KAZIMABAD RMU (OLD SECURITY PAPER) | Bin Qasim |
| 710 | 589 | DEH KATHORE | Bin Qasim |
| 711 | 3413 | SECTOR -G | Bin Qasim |
| 712 | 592 | CENTRAL CARD BOARD | Bin Qasim |
| 713 | 1129 | M.G. INDUSTRIES RMU (OLD DUMBA GOTH) | Bin Qasim |
| 714 | 1271 | ABBASI MARKET | Bin Qasim |
| 715 | 581 | NAFEES CINEMA | Bin Qasim |
| 716 | 595 | MALIR COLONY 'C' | Bin Qasim |
| 717 | 584 | FABRIC INDUSTRY (OLD SMALL INDUSTRIES) | Bin Qasim |
| 718 | 588 | URDU NAGAR | Bin Qasim |
| 719 | 3544 | SHANZIL GOLF RESIDENCY | JOHAR |
| 720 | 586 | DAMLOTEE-I | Bin Qasim |
| 721 | 580 | AMBER GARMENTS | Bin Qasim |
| 722 | 3813 | HAMZA STEEL | BALDIA |
| 723 | 603 | PARACHA TEXTILE | Orangi |
| 724 | 602 | CROWN GRINDING | BALDIA |
| 725 | 2061 | KANUPP PUMPING | BALDIA |
| 726 | 601 | MEGATRON | BALDIA |
| 727 | 1277 | AZIZ BALUCH RMU | BALDIA |
| 728 | 617 | GRIND WHEEL | Orangi |



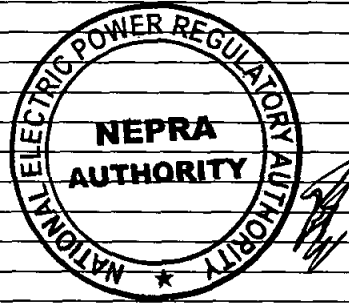
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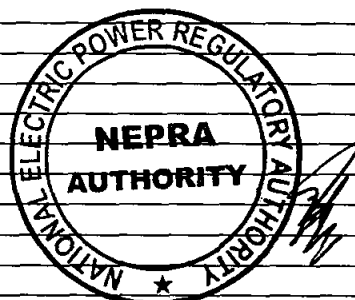
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|-----|------|--|-----------|
| 729 | 604 | KOHINOOR MARBLE | Orangi |
| 730 | 607 | MAURIPUR TREATMENT PLANT | BALDIA |
| 731 | 614 | MAURIPUR CENTRE | BALDIA |
| 732 | 3504 | YAHYA ENTERPRISE | Orangi |
| 733 | 613 | MAURIPUR TRUCK STAND | BALDIA |
| 734 | 3723 | MAXIMUS | BALDIA |
| 735 | 2158 | PNR COLOY | BALDIA |
| 736 | 2186 | TAEJIN | Orangi |
| 737 | 4012 | DASHT (Peoples Low Cast) | BALDIA |
| 738 | 3872 | Vay Water | Surjani |
| 739 | 4071 | SAJJAD SHAIKH (old P-V20 RMU) | Surjani |
| 740 | 3747 | HEAVEN CITY | JOHAR |
| 741 | 1279 | Bashir Chowk | Surjani |
| 742 | 3883 | ABDULLAH GABOL VILLAGE | JOHAR |
| 743 | 3060 | MASHRIQ SOCIETY | JOHAR |
| 744 | 1281 | P-21 RMU | Surjani |
| 745 | 3497 | Javed Metal | Surjani |
| 746 | 1283 | CHAMBAILI RMU | JOHAR |
| 747 | 3233 | Crystal Ice | Surjani |
| 748 | 3441 | PAK STEEL RMU | JOHAR |
| 749 | 1236 | TOWN HALL | JOHAR |
| 750 | 1286 | GHANIABAD RMU | JOHAR |
| 751 | 3448 | AL-Karam Towels SS | Surjani |
| 752 | 3884 | SECTOR Z | JOHAR |
| 753 | 1285 | Win Mark | Surjani |
| 754 | 3498 | Lakhani Tower | Surjani |
| 755 | 3231 | Urooj Garment | Surjani |
| 756 | 3166 | Euro Gulf | Surjani |
| 757 | 4091 | Steelex | Surjani |
| 758 | 1280 | AHSANABAD PHASE-IV | JOHAR |
| 759 | 1278 | MAYMAR COMPLEX | JOHAR |
| 760 | 3974 | Quetta Town | JOHAR |
| 761 | 4066 | Sharjah Hotel | JOHAR |
| 762 | 4052 | NORTHERN BYPASS | JOHAR |
| 763 | 4182 | PAK FLOUR MILL | Surjani |
| 764 | 3874 | Posh Craft | Surjani |
| 765 | 3230 | Phase-2 | Surjani |
| 766 | 418 | PTV HOUSING SOCIETY | JOHAR |
| 767 | 4113 | HADI INDUSTRY | Surjani |
| 768 | 1284 | Century Engineering (NCB) | Surjani |
| 769 | 3449 | P-10 RMU | Surjani |
| 770 | 3237 | MEHMOODABAD ABC | SOCIETY |
| 771 | 2082 | LADIES PARK | SOCIETY |
| 772 | 3543 | PRESTON UNIVERSITY | SOCIETY |
| 773 | 3576 | PUMPING 1 | SOCIETY |
| 774 | 1130 | MASJID E AQSA + | SOCIETY |
| 775 | 4231 | AZAM BASTI (Ideal Bakery PMT RMU) | SOCIETY |
| 776 | 4210 | LAC BUS STOP | SOCIETY |
| 777 | 3248 | PECHS-I+ | SOCIETY |
| 778 | 3362 | AMBALA SWEET | SOCIETY |
| 779 | 3573 | POLE 32 + | SOCIETY |
| 780 | 493 | KDA TP-2 | SOCIETY |
| 781 | 500 | ZOROASTRIAN + | SOCIETY |
| 782 | 1119 | KAWISH CROWN | SOCIETY |
| 783 | 1571 | MEMON GOTH TEL. EXCHANGE | Bin Qasim |
| 784 | 3524 | KHAYABAN-E-MUHAMMAD | Bin Qasim |
| 785 | 1579 | KHOKHRAPAR RMU | Bin Qasim |
| 786 | 3696 | BURHANI GARDEN | Bin Qasim |
| 787 | 1573 | MULLA ESSA GOTH RMU (OLD JALBANI GOTH RMU) | Bin Qasim |
| 788 | 2015 | RIVER PMT RMU (Malir River) | Bin Qasim |
| 789 | 1575 | REST HOUSE | Bin Qasim |



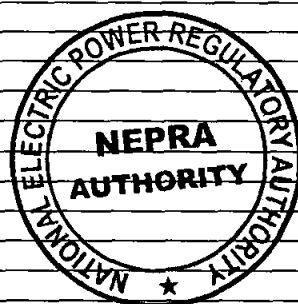
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| 790 | 1572 | POLE # 58 RMU | Bin Qasim |
| 791 | 3618 | NAZAR ALI WELLS | Bin Qasim |
| 792 | 1577 | HUSSAINI RMU | Bin Qasim |
| 793 | 1578 | DEGREE SCIENCE COLLEGE | Bin Qasim |
| 794 | 3620 | BILAL MASJID RMU | Bin Qasim |
| 795 | 1574 | KHALID PUMPING | Bin Qasim |
| 796 | 3695 | SAIMA GREEN VALLEY | Bin Qasim |
| 797 | 628 | Paradise | Surjani |
| 798 | 3382 | Arman CNG | Surjani |
| 799 | 643 | Saleem Centre | Surjani |
| 800 | 619 | Buffer Zone Pump | Surjani |
| 801 | 624 | UP More (Sheerin Cinema) | Surjani |
| 802 | 626 | Barkat Market | Surjani |
| 803 | 627 | Masjid-e-Khan Younus | Surjani |
| 804 | 652 | Zaibun Nisa College | Surjani |
| 805 | 622 | Khayyam Town | Surjani |
| 806 | 637 | Sector-5E | Surjani |
| 807 | 630 | Naz College | Surjani |
| 808 | 632 | P-17 | Surjani |
| 809 | 3327 | Falcon House | Surjani |
| 810 | 3011 | Crown Plaza | Surjani |
| 811 | 623 | Crescent Arcade | Surjani |
| 812 | 3381 | Al-Ahmed Avenue | Surjani |
| 813 | 639 | Maraqba Hall | Surjani |
| 814 | 633 | Best View (OLD Surjani Town P-1) | Surjani |
| 815 | 620 | Haroon Height | Surjani |
| 816 | 653 | Karaka Pak | Surjani |
| 817 | 647 | SM Obaid | Surjani |
| 818 | 648 | Saba Cinema | Surjani |
| 819 | 651 | Qaim Khani RMU | Surjani |
| 820 | 640 | Muslim Town + Cap | Surjani |
| 821 | 634 | Today's Restaurant | Surjani |
| 822 | 642 | RT Plaza | Surjani |
| 823 | 641 | Red Rose | Surjani |
| 824 | 650 | Nice Bakers (Old Saba Cinema) | Surjani |
| 825 | 1288 | Gold Smith | Surjani |
| 826 | 646 | Sheerani Ice | Surjani |
| 827 | 3100 | Al-Hira | Surjani |
| 828 | 3288 | Al-Falah Bank | Surjani |
| 829 | 644 | Sunlight | Surjani |
| 830 | 1290 | Dawat-e-Hidayat (Old Saif Foundation) | Surjani |
| 831 | 656 | Shaharyar Clinic | Surjani |
| 832 | 654 | BANARAS PUMPING | Orangi |
| 833 | 666 | ORANGI ICE | Orangi |
| 834 | 665 | National Youth Center | Surjani |
| 835 | 1292 | Shipowner College | Surjani |
| 836 | 3294 | Pole-15 + Cap1A | Surjani |
| 837 | 1291 | Block-G | Surjani |
| 838 | 3324 | KATI PAHARI | Orangi |
| 839 | 3603 | Imam Clinic | Surjani |
| 840 | 1293 | Asghar Ali Shah | Surjani |
| 841 | 670 | Khandoo Goth | Surjani |
| 842 | 3432 | Nagina Square | Surjani |
| 843 | 3293 | Hyderi Sweets | Surjani |
| 844 | 664 | Block-A Pumping | Surjani |
| 845 | 3414 | BOSE | GULSHAN |
| 846 | 661 | Friends Height | Surjani |
| 847 | 662 | State Bank | Surjani |
| 848 | 669 | Naz Post Office | GULSHAN |
| 849 | 1295 | Ashraf Nagar | GULSHAN |
| 850 | 659 | Pahar Ganj | Surjani |



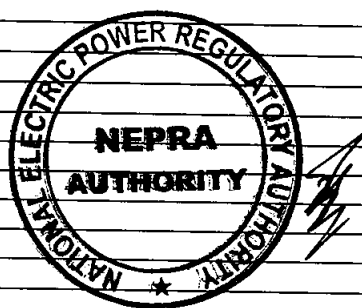
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| 851 | 663 | Jinnah University | Surjani |
| 852 | 657 | Paposh Nagar | GULSHAN |
| 853 | 660 | Ali Doulat | Surjani |
| 854 | 674 | Al-Burhan | Surjani |
| 855 | 2123 | ALI GARH BAZAR | Orangi |
| 856 | 672 | Blessing Plaza | Surjani |
| 857 | 1298 | KDA Center View | Surjani |
| 858 | 658 | TTC | Surjani |
| 859 | 675 | Taqi Center | Surjani |
| 860 | 1296 | Maria Homes (Old Saima Avenue) | Surjani |
| 861 | 1297 | Ziauddin Hospital | Surjani |
| 862 | 655 | Bab-ul-Ilm | Surjani |
| 863 | 671 | Marhaba Galaxy | Surjani |
| 864 | 673 | Gulshan-e-Zubaida | Surjani |
| 865 | 852 | OKHAI MEMON | BALDIA |
| 866 | 679 | BEHAR COLONY | BALDIA |
| 867 | 683 | LAWRANCE APPARTMENT | BALDIA |
| 868 | 676 | LIBERTY OIL MILL | BALDIA |
| 869 | 678 | OLD TOWN RMU-II | BALDIA |
| 870 | 573 | LEA MARKET RMU | BALDIA |
| 871 | 686 | GATEWAY | BALDIA |
| 872 | 742 | MUSLIM GARDEN | BALDIA |
| 873 | 1309 | DENSO ROAD | BALDIA |
| 874 | 749 | BARNES STREET | BALDIA |
| 875 | 746 | RESALA POLICE | BALDIA |
| 876 | 681 | NEW NIHAM (8-11-2008) | BALDIA |
| 877 | 1336 | COMMERCIAL COLD STORAGE | BALDIA |
| 878 | 1307 | LYARI FIRE BRIGADE | BALDIA |
| 879 | 1305 | NEW KUMHARWARA | BALDIA |
| 880 | 1310 | GHAREEB SHAH | BALDIA |
| 881 | 1311 | LYARI PUMPING | BALDIA |
| 882 | 1308 | NAWABAD | BALDIA |
| 883 | 1301 | RAUF OIL | BALDIA |
| 884 | 680 | BENGAL OIL | BALDIA |
| 885 | 1300 | PAK ICE (31-01-2009) | BALDIA |
| 886 | 1303 | JELANI CENTRE | BALDIA |
| 887 | 3740 | MIDPOINT | BALDIA |
| 888 | 566 | OLD HAJI CAMP | BALDIA |
| 889 | 1306 | HAJI ISMAIL | BALDIA |
| 890 | 1312 | HAJI PIR MUHAMMAD RMU | BALDIA |
| 891 | 3541 | GHANCHI PARA | BALDIA |
| 892 | 3739 | OFFBEAT STREET RMU | BALDIA |
| 893 | 677 | MOOSA LANE RMU | BALDIA |
| 894 | 687 | AL AJAZ + CAP | Orangi |
| 895 | 3372 | QATTAR HOSPITAL | Orangi |
| 896 | 3425 | DUA CHOWK RMU | Orangi |
| 897 | 691 | KHWAJA GHAREEB NAWAZ | Orangi |
| 898 | 693 | KAMAL PETROL PUMP | Orangi |
| 899 | 689 | NISHAN-E-HYDER | Orangi |
| 900 | 695 | NOORI POLICE | Orangi |
| 901 | 706 | QAZZAFI CHOWK | Orangi |
| 902 | 692 | SHAMS-UDDIN | Orangi |
| 903 | 690 | AL-FATEH COLONY | Orangi |
| 904 | 2095 | REHMAT CHOWK | Orangi |
| 905 | 1313 | MASJID -E- QUBA | Orangi |
| 906 | 3345 | PULIA WALI | Orangi |
| 907 | 698 | ISLAMIA COLONY | Orangi |
| 908 | 697 | CHANDNI CHOWK | Orangi |
| 909 | 699 | SHAHFAISAL CHOWK | Orangi |
| 910 | 700 | DATA CHOWK | Orangi |
| 911 | 1314 | HILAL-E-AHMER | Orangi |



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|-----|------|---|-----------|
| 912 | 3387 | RK STUDIO | Orangi |
| 913 | 702 | AL-HIRA PUMPING | Orangi |
| 914 | 707 | ZIA-UL-HAQ -COLONY | Orangi |
| 915 | 708 | GABOL PUMPING | Orangi |
| 916 | 705 | GERMAN SCHOOL | Orangi |
| 917 | 688 | HURRIAT NAGAR | Orangi |
| 918 | 703 | AL-SHIFA CLINIC | Orangi |
| 919 | 3263 | TECHNICAL COLLEGE | Orangi |
| 920 | 701 | KALEEM INDUSTRY | Orangi |
| 921 | 2029 | BISMILLAH CHOWK | Orangi |
| 922 | 3422 | SABRI CHOWK RMU | Orangi |
| 923 | 2085 | SPECIAL EDUCATION | Orangi |
| 924 | 1315 | SHAIKH M. RASHEED | Orangi |
| 925 | 3431 | DANISH KAMIL RMU | Orangi |
| 926 | 139 | TOHEED COLONY | Orangi |
| 927 | 132 | ZAHOOR COUNCILLOR | Orangi |
| 928 | 150 | KHATAK RMU | Orangi |
| 929 | 726 | P.S.O II | Bin Qasim |
| 930 | 1319 | AFZAL MOTORS | Bin Qasim |
| 931 | 732 | T & T PIPRI | Bin Qasim |
| 932 | 1318 | POLY TRADE | Bin Qasim |
| 933 | 1324 | NASIR COLONY RMU | KORANGI |
| 934 | 712 | FISH MILL SUBSTATION | KORANGI |
| 935 | 3344 | SILVER TOWN | KORANGI |
| 936 | 1326 | ABBASI NAGER RMU | KORANGI |
| 937 | 710 | OMNI BUS DEPOT | KORANGI |
| 938 | 1323 | MEGA BIRD | KORANGI |
| 939 | 1325 | POLE - 70 | KORANGI |
| 940 | 709 | SILICON PRODUCT (OLD BURSHANE GAS) | KORANGI |
| 941 | 1330 | PARCO-III | KORANGI |
| 942 | 3286 | LUCKNOW SOCIETY | KORANGI |
| 943 | 1332 | C-STATION | KORANGI |
| 944 | 53 | MILL ROCK | KORANGI |
| 945 | 3042 | CHAKRA GOTH RMU | KORANGI |
| 946 | 3694 | DARULFALAH | KORANGI |
| 947 | 1328 | PEGASUS | KORANGI |
| 948 | 3661 | SECTOR 6B RMU | KORANGI |
| 949 | 37 | YASIR ASSOCIATES | KORANGI |
| 950 | 34 | NAT. FIBER I | KORANGI |
| 951 | 48 | ALPHA BROTHERS(fine food) | KORANGI |
| 952 | 3043 | KDA TP 03 | KORANGI |
| 953 | 3046 | S.G.S KARSAZ | KORANGI |
| 954 | 3451 | TURN STYLE RMU | KORANGI |
| 955 | 3454 | GHAZI TANNERY | KORANGI |
| 956 | 57 | SHAIKH BROS. | KORANGI |
| 957 | 38 | IMPERIAL RUBBER | KORANGI |
| 958 | 49 | EASTERN EXPORT | KORANGI |
| 959 | 36 | NAT. FIBER II | KORANGI |
| 960 | 3050 | ITRAT HUSSAIN (OLD PAK MARBLE) | KORANGI |
| 961 | 762 | Usman Goth (old name: KDA FILTER PLANT) | Bin Qasim |
| 962 | 759 | GRAIN GODOWN | Bin Qasim |
| 963 | 761 | KE COLONY (EX GUL. HADEED 06) | Bin Qasim |
| 964 | 3302 | Sidra City (old name: PSO MARDAN) | Bin Qasim |
| 965 | 3396 | GUL. HADEED 10 | Bin Qasim |
| 966 | 1345 | RAJA POULTRY FARM | Bin Qasim |
| 967 | 760 | BAB-E-REHMAT (EX GUL. HADEED 01) | Bin Qasim |
| 968 | 3300 | KING HATCHERY | Bin Qasim |
| 969 | 3869 | MUREE GOTH | Bin Qasim |
| 970 | 3301 | New RAILWAY MARSHALLING YARD | Bin Qasim |
| 971 | 1346 | MADAR-E-MILLAT | Bin Qasim |
| 972 | 3005 | QADRI BROTHERS | Orangi |



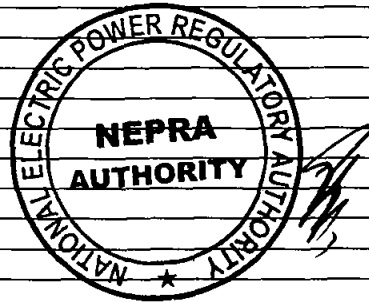
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| 973 | 769 | KAMRAN DISTRIBUTOR | Orangi |
| 974 | 4117 | SIKANDER IRON | Orangi |
| 975 | 2065 | ABIDABAD | Orangi |
| 976 | 3008 | M.R. INDUSTRY | Orangi |
| 977 | 3842 | MIAN SONS | Orangi |
| 978 | 2148 | RASHID INDUSTRY | Orangi |
| 979 | 3149 | FAIZ-UR-REHMAN | Orangi |
| 980 | 774 | MFMY | Orangi |
| 981 | 779 | Bismillah Hotel (Noorani Hotel) | GULSHAN |
| 982 | 773 | PAK CONTAINER | Orangi |
| 983 | 804 | IBRAHIM ALI BHAI | Orangi |
| 984 | 776 | ORANGI MEDICOS | Orangi |
| 985 | 2143 | ATLAS BATTERY | Orangi |
| 986 | 778 | SHAMSI CLOTH | Orangi |
| 987 | 3158 | AL WAJID TOWN | Orangi |
| 988 | 4119 | GHOSIA GRAVEYARD | Orangi |
| 989 | 2032 | SIMA LAB | Orangi |
| 990 | 810 | DADA ENTERPRISE | Orangi |
| 991 | 3533 | AHSAN HOTEL | Orangi |
| 992 | 777 | MUHAMMADI ROLLING | Orangi |
| 993 | 791 | Usmania Colony | GULSHAN |
| 994 | 3455 | RRP | Orangi |
| 995 | 3140 | ASIM INDUSTRY | Orangi |
| 996 | 3502 | Tooba Masjid (Saifullah RMU) | GULSHAN |
| 997 | 795 | Hamdard | GULSHAN |
| 998 | 2106 | SANAULLAH WOOLEN | Orangi |
| 999 | 796 | Aurangabad (Fine Textile) | GULSHAN |
| 1000 | 794 | HAFIZ TEXTILE | Orangi |
| 1001 | 3597 | MUSHTAQ-1 | Orangi |
| 1002 | 3582 | 3H RMU | GULSHAN |
| 1003 | 802 | METROVILLE | Orangi |
| 1004 | 805 | Abbasi Shaheed | GULSHAN |
| 1005 | 808 | AGRO PROCESS | Orangi |
| 1006 | 1347 | FRONTIER COLONY | Orangi |
| 1007 | 806 | VALIKA INDUSTRY | Orangi |
| 1008 | 775 | District Office | GULSHAN |
| 1009 | 3596 | Naz Ice | GULSHAN |
| 1010 | 784 | ALI GOHAR | Orangi |
| 1011 | 3281 | AHMED INDUSTRY | Orangi |
| 1012 | 2179 | MALIR POULTRY FARM | Orangi |
| 1013 | 3257 | SALALAH FLOUR MILL | Orangi |
| 1014 | 781 | SUPREME STEEL | Orangi |
| 1015 | 2064 | INDUS CELL | Orangi |
| 1016 | 801 | NATIONAL SPINNING | Orangi |
| 1017 | 694 | BIJLI NAGAR | Orangi |
| 1018 | 3401 | GOVT. SCHOOL RMU | Orangi |
| 1019 | 3453 | ROOMI INTERNATIONAL | Orangi |
| 1020 | 3326 | Sehar Palace | Surjani |
| 1021 | 3612 | Safia Cottage | Surjani |
| 1022 | 3383 | Khatri | Surjani |
| 1023 | 3762 | White Flower | Surjani |
| 1024 | 649 | Modern Complex | Surjani |
| 1025 | 636 | Al-Ghori | Surjani |
| 1026 | 3871 | Ocean Lawn RMU (Old Rehmania Hall) | Surjani |
| 1027 | 629 | Bilal Town | Surjani |
| 1028 | 3470 | Iqbal Plaza | Surjani |
| 1029 | 3834 | Terry World | Surjani |
| 1030 | 3745 | Al-Ghafoor Atrium Tower | Surjani |
| 1031 | 3840 | Nascem Textile | Surjani |
| 1032 | 3458 | Moon Net | Surjani |
| 1033 | 625 | MK Builder | Surjani |



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Annex - S

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|------|------|---|---------|
| 1034 | 3750 | Garishon | Surjani |
| 1035 | 3751 | Faysal Garment | Surjani |
| 1036 | 3833 | Lodhi House | Surjani |
| 1037 | 3865 | Knowledge School | Surjani |
| 1038 | 3770 | Sindh Town | Surjani |
| 1039 | 2163 | Faiza Avenue | Surjani |
| 1040 | 638 | Country Tower | Surjani |
| 1041 | 3386 | Achanak Hotel | Surjani |
| 1042 | 645 | Pentium-4 | Surjani |
| 1043 | 207 | Block-N Pumping | Surjani |
| 1044 | 4101 | Hassan Brohi Goth | Surjani |
| 1045 | 882 | Arsalan Homes (Old Sector-L1) | Surjani |
| 1046 | 1364 | Deh Taisar | Surjani |
| 1047 | 3743 | Sallu Garden | Surjani |
| 1048 | 883 | Michal Academy (Old Pole-97) | Surjani |
| 1049 | 887 | Tawwakal Enterprise | Surjani |
| 1050 | 884 | Al-Watan | Surjani |
| 1051 | 879 | Yousuf Goth (P-25) | Surjani |
| 1052 | 886 | Noble Point | Surjani |
| 1053 | 888 | Stylish Garden | Surjani |
| 1054 | 3284 | Royal City | Surjani |
| 1055 | 878 | Surjani Tel Exchange | Surjani |
| 1056 | 3376 | Oakland School (Old P-19 RMU) | Surjani |
| 1057 | 3367 | Lal Market P-22/3 | Surjani |
| 1058 | 3609 | Mono Technical | Surjani |
| 1059 | 2164 | Maymarabad | Surjani |
| 1060 | 1351 | Anarkali | Surjani |
| 1061 | 3124 | SMALL INDUSTRIES | Orangi |
| 1062 | 881 | Saiban | Surjani |
| 1063 | 3727 | Ahsan Medical | Surjani |
| 1064 | 880 | Hayat Baig | Surjani |
| 1065 | 2154 | Shah Stadium (Old Deh Taisar-5 + CAP-2) | Surjani |
| 1066 | 4111 | Siddique Goth | Surjani |
| 1067 | 3584 | Khuda Ki Basti | Surjani |
| 1068 | 2155 | Mian Institute (Old Deh Taisar-4) | Surjani |
| 1069 | 3012 | Sultan Plaza (OH-P-55) | Surjani |
| 1070 | 1353 | Global City | Surjani |
| 1071 | 3366 | Health Care P-80 | Surjani |
| 1072 | 3529 | Abdullah More | Surjani |
| 1073 | 1350 | Ever Green | Surjani |
| 1074 | 885 | Kala School | Surjani |
| 1075 | 3583 | Education Centre | Surjani |
| 1076 | 3742 | Aleem Paradise | Surjani |
| 1077 | 3729 | Anamta Society | Surjani |
| 1078 | 3474 | Olympic Pride (Old P-12/13 RMU) | Surjani |
| 1079 | 3616 | Dairy Queen | Surjani |
| 1080 | 3752 | Al-Hamra | Surjani |
| 1081 | 4116 | TALHA QAZI RMU (GHAZI VILLAS) | Orangi |
| 1082 | 3754 | Al-Mehmil | Surjani |
| 1083 | 3255 | QUARY COLONY | Orangi |
| 1084 | 1118 | HIKMAT INSTITUTE | Orangi |
| 1085 | 3736 | RAITI PAHAR RMU | Orangi |
| 1086 | 3735 | ALAM MARBLE RMU | Orangi |
| 1087 | 1356 | O/H POLE-62 | Orangi |
| 1088 | 860 | INTERNATIONAL CERAMIC | Orangi |
| 1089 | 2087 | SULTANABAD PUMPING | Orangi |
| 1090 | 865 | AL MUMTAZ RMU | Orangi |
| 1091 | 859 | Shadman Town | Surjani |
| 1092 | 3452 | GLAMOUR MARBLE | Orangi |
| 1093 | 867 | POLE-49 | Orangi |
| 1094 | 3256 | NUSRAT BHUTTO MORR | Orangi |



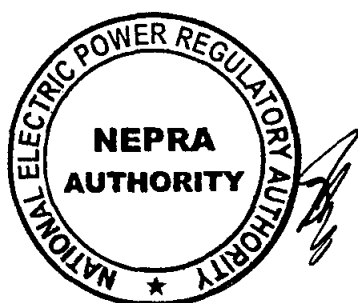
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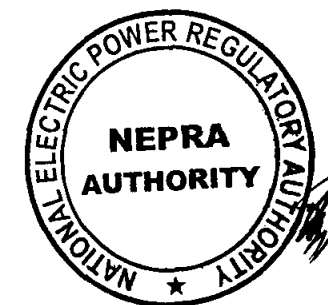
| | | | |
|------|------|-------------------------------|---------|
| 1095 | 3600 | MIANWALI COLONY RMU | Orangi |
| 1096 | 864 | RAHEEL AVENUE | Orangi |
| 1097 | 861 | QASBA PUMPING | Orangi |
| 1098 | 869 | LAKHANI | Orangi |
| 1099 | 1355 | P-30 | Orangi |
| 1100 | 866 | Blue Bird | Surjani |
| 1101 | 858 | Khwaja Ajmair Nagri | Surjani |
| 1102 | 868 | MANGHOPIR ROAD | Orangi |
| 1103 | 870 | ACIL | Orangi |
| 1104 | 854 | ICI -2 | BALDIA |
| 1105 | 1357 | SPECTRUM | BALDIA |
| 1106 | 2071 | MACHI MIANI | BALDIA |
| 1107 | 853 | SLAUGHTER HOUSE | BALDIA |
| 1108 | 851 | M. ALI PARK | BALDIA |
| 1109 | 2042 | FALAK NOOR MASJID RMU | BALDIA |
| 1110 | 845 | EFU | BALDIA |
| 1111 | 844 | SEA MILL RMU(ALI AUTOS) | BALDIA |
| 1112 | 29 | CMH | DEFENCE |
| 1113 | 743 | Harding Bridge | DEFENCE |
| 1114 | 1191 | Modern Graphic | DEFENCE |
| 1115 | 20 | Clifton-2 | DEFENCE |
| 1116 | 2 | Embassi Villa | DEFENCE |
| 1117 | 2144 | Radio Pakistan | DEFENCE |
| 1118 | 32 | PSO | DEFENCE |
| 1119 | 2056 | Jama Cloth | DEFENCE |
| 1120 | 3337 | Beach View | DEFENCE |
| 1121 | 2026 | Ghardiali Flats | DEFENCE |
| 1122 | 77 | MUNEEB KAMIL (CUSTOM SOCIETY) | DEFENCE |
| 1123 | 80 | Burma Shell | DEFENCE |
| 1124 | 31 | Ashiana Appartment | DEFENCE |
| 1125 | 3319 | Faiz Mari | DEFENCE |
| 1126 | 4082 | 31ST STREET KH-E-QASIM S/S-52 | DEFENCE |
| 1127 | 2020 | ISI RMU | DEFENCE |
| 1128 | 4 | Razi Tower RMU | DEFENCE |
| 1129 | 3359 | Defence-30 | DEFENCE |
| 1130 | 255 | Odean Center | DEFENCE |
| 1131 | 60 | Sea View-1 | DEFENCE |
| 1132 | 46 | Nisar Shaheed Park | DEFENCE |

2



Cost breakup of approved CAPEX for Distribution Maintenance Program (Million Rs.)

| Head | Material, Installation & Services | | | RoW | Base Cost | Escalation Cost | Grand Total Allowed |
|--|-----------------------------------|---------------|---------------|------------|---------------|-----------------|---------------------|
| | FCC | LCC | Total | | | | |
| | a | b | c=a+b | | | | |
| Civil | - | 2,605 | 2,605 | - | 2,605 | 176 | 2,782 |
| Customer Services | - | 360 | 360 | - | 360 | 20 | 380 |
| Corrective Maintenance | 8,625 | 1,904 | 10,528 | - | 10,528 | 481 | 11,010 |
| HT cable replacement | 2,565 | 304 | 2,868 | 993 | 3,861 | 232 | 4,093 |
| Load Break Switch | 555 | 42 | 597 | - | 597 | 31 | 628 |
| CTU for incoming | 68 | 5 | 73 | - | 73 | 4 | 77 |
| CTU for outgoing | 35 | 11 | 46 | - | 46 | 3 | 48 |
| P-115 Replacement | 179 | - | 179 | - | 179 | 9 | 188 |
| Transformer & Switchgear | - | 7,232 | 7,232 | - | 7,232 | 492 | 7,724 |
| Deteriorated OCB to VCB (Primary S/S) | 2,673 | 170 | 2,843 | - | 2,843 | 147 | 2,991 |
| Total | 14,700 | 12,632 | 27,332 | 993 | 28,324 | 1,595 | 29,919 |



Approved Major Scope of Work and Year Wise Cost Bifurcation for Distribution Maintenance Projects

| Head | UoM | FY 24 | | FY 25 | | FY 26 | | FY 27 | | FY 28 | | FY 29 | | FY 30 | | Grand Total | |
|------------------------|-------|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------------|--------|
| | | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost |
| Civil Works | - | - | 402 | - | 453 | - | 352 | - | 426 | - | 327 | - | 342 | - | 480 | - | 2,782 |
| Customer Services | - | - | 110 | - | 130 | - | 140 | - | - | - | - | - | - | - | - | - | 380 |
| Corrective Maintenance | - | - | 1,830 | - | 1,878 | - | 1,792 | - | 1,641 | - | 1,405 | - | 1,279 | - | 1,187 | - | 11,010 |
| HT cable replacement | Meter | - | - | 55,000 | 678 | 55,000 | 680 | 55,000 | 683 | 55,000 | 685 | 55,000 | 688 | 54,000 | 678 | 329,000 | 4,093 |
| Load Break Switch | No. | - | - | 350 | 105 | 350 | 105 | 350 | 105 | 350 | 105 | 350 | 105 | 350 | 104 | 2,100 | 628 |
| CTU for incoming | No. | - | - | 333 | 49 | 186 | 27 | - | - | - | - | - | - | - | - | 519 | 77 |
| CTU for outgoing | No. | - | - | - | - | 507 | 24 | 529 | 25 | - | - | - | - | - | - | 1,036 | 48 |
| P-115 | No. | - | - | 370 | 100 | 329 | 89 | - | - | - | - | - | - | - | - | 699 | 188 |

2

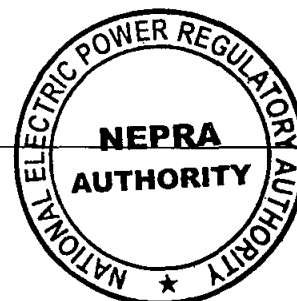
Annex - T

| | | | | | | | | | | | | | | | | | |
|---------------------------------------|-----|---|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|---------|--------|
| Replacement | | | | | | | | | | | | | | | | | |
| Transformer & Switchgear | - | - | 1,084 | - | 1,128 | - | 1,131 | | 1,119 | | 1,093 | | 1,109 | | 1,059 | - | 7,724 |
| Deteriorated OCB to VCB (Primary S/S) | No. | - | - | 380 | 501 | 380 | 500 | 380 | 500 | 380 | 499 | 380 | 499 | 375 | 492 | 2,275 | 2,991 |
| Grand Total | - | - | 3,425 | 56,433 | 5,021 | 56,752 | 4,840 | 56,259 | 4,498 | 55,730 | 4,115 | 55,730 | 4,021 | 54,725 | 4,000 | 335,629 | 29,919 |

Approved Year Wise Base Cost (FCC , LCC, Land Cost) Bifurcation for Distribution Maintenance Projects

| Head | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | FY 2027 | | | |
|---------------------------------------|--------------|--------------|------------|----------|--------------|--------------|------------|------------|--------------|--------------|------------|------------|--------------|--------------|------------|------------|
| | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW |
| | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC |
| Civil | - | 402 | - | - | - | 420 | - | - | - | 326 | - | - | - | 394 | - | - |
| Customer Services | - | 110 | - | - | - | 120 | - | - | - | 130 | - | - | - | - | - | - |
| Corrective Maintenance | 1,476 | 125 | 229 | - | 1,457 | 124 | 198 | - | 1,392 | 118 | 187 | - | 1,276 | 108 | 170 | - |
| HT cable replacement | - | - | - | - | 429 | 3 | 46 | 162 | 429 | 3 | 47 | 163 | 429 | 3 | 47 | 165 |
| Load Break Switch | - | - | - | - | 93 | 1 | 6 | - | 93 | 1 | 6 | - | 93 | 1 | 6 | - |
| CTU for incoming | - | - | - | - | 43 | 3 | - | - | 24 | 2 | - | - | - | - | - | - |
| CTU for outgoing | - | - | - | - | - | - | - | - | 17 | 5 | - | - | 18 | 5 | - | - |
| P-115 Replacement | - | - | - | - | 95 | - | - | - | 84 | - | - | - | - | - | - | - |
| Transformer & Switchgear | - | 1,084 | - | - | - | 1,044 | - | - | - | 1,048 | - | - | - | 1,036 | - | - |
| Deteriorated OCB to VCB (Primary S/S) | - | - | - | - | 447 | - | 29 | - | 447 | - | 29 | - | 447 | - | 29 | - |
| Total | 1,476 | 1,721 | 229 | - | 2,970 | 1,729 | 299 | 162 | 2,893 | 1,647 | 287 | 163 | 2,669 | 1,562 | 271 | 165 |

2



Annex - I

| Head | FY 2028 | | | | FY 2029 | | | | FY 2030 | | | | Total | | | |
|---------------------------------------|--------------|--------------|------------|------------|--------------|--------------|------------|------------|--------------|--------------|------------|------------|---------------|---------------|--------------|------------|
| | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW |
| | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC |
| Civil | - | 303 | - | - | - | 317 | - | - | - | 444 | - | - | - | 2,605 | - | - |
| Customer Services | - | - | - | - | - | - | - | - | - | - | - | - | - | 360 | - | - |
| Corrective Maintenance | 1,097 | 93 | 142 | - | 999 | 85 | 128 | - | 928 | 79 | 118 | - | 8,625 | 732 | 1,171 | - |
| HT cable replacement | 429 | 3 | 48 | 167 | 429 | 3 | 48 | 169 | 421 | 3 | 48 | 167 | 2,565 | 20 | 284 | 993 |
| Load Break Switch | 93 | 1 | 6 | - | 93 | 1 | 6 | - | 93 | 1 | 6 | - | 555 | 6 | 35 | - |
| CTU for incoming | - | - | - | - | - | - | - | - | - | - | - | - | 68 | 5 | - | - |
| CTU for outgoing | - | - | - | - | - | - | - | - | - | - | - | - | 35 | 11 | - | - |
| P-115 Replacement | - | - | - | - | - | - | - | - | - | - | - | - | 179 | - | - | - |
| Transformer & Switchgear | - | 1,012 | - | - | - | 1,027 | - | - | - | 980 | - | - | - | 7,232 | - | - |
| Deteriorated OCB to VCB (Primary S/S) | 447 | - | 28 | - | 447 | - | 28 | - | 441 | - | 27 | - | 2,673 | - | 170 | - |
| Total | 2,065 | 1,413 | 223 | 167 | 1,967 | 1,433 | 209 | 169 | 1,882 | 1,508 | 198 | 167 | 14,700 | 10,971 | 1,661 | 993 |

Approved list of office & building / civil works

| Sr | Description | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Total |
|----|---|--------|--------|--------|--------|--------|--------|--------|-------|
| 1 | Reconstruction & Revamping Dist. offices | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 21 |
| 2 | Sub-station Reconstruction Dist. | 84 | 91 | 94 | 94 | 98 | 105 | 102 | 668 |
| 3 | Customer Services Mega Center - Landhi & Korangi | 1 | - | - | - | - | - | - | 1 |
| 4 | Customer Services Mega Center - Liyari & Liyari 2 | 1 | - | - | - | - | - | - | 1 |
| 5 | Customer Services Mega Center - Malir & Shah Faisal | - | 1 | - | - | - | - | - | 1 |
| 6 | Customer Services Mega Center - Defense & Clifton | - | 1 | - | - | - | - | - | 1 |
| 7 | Customer Services Mega Center - Johar 1 & Johar 2 | - | - | 1 | - | - | - | - | 1 |
| 8 | Customer Services Mega Center - Site & Orangi I | - | - | 1 | - | - | - | - | 1 |
| 9 | New IBCs | 3 | 3 | 1 | 2 | - | - | 2 | 11 |



7

Cost breakup of approved CAPEX for Distribution Safety Program (Million Rs.)

| Head | Material, Installation & Services | | | RoW | Base Cost | Escalation Cost | IDC | Grand Total Allowed |
|------------------------------|-----------------------------------|--------------|---------------|------------|---------------|-----------------|------------|---------------------|
| | FCC | LCC | Total | | | | | |
| | a | B | c=a+b | | | | | |
| Dilapidated Poles Conductors | 3,313 | 1,641 | 4,954 | - | 4,954 | 254 | - | 5,209 |
| PMT Shifting | 1,036 | 596 | 1,632 | - | 1,632 | 85 | - | 1,717 |
| Earthing of Service Bracket | 1,317 | 431 | 1,748 | - | 1,748 | 67 | - | 1,814 |
| Enchroched OH to UG | 830 | 129 | 959 | 162 | 1,122 | 56 | - | 1,178 |
| Stay Unit Insulators | 323 | 231 | 555 | - | 555 | 28 | - | 582 |
| Installation of DBs | 337 | 74 | 411 | - | 411 | 20 | - | 430 |
| PMU on Wheels | 425 | - | 425 | - | 425 | 9 | - | 434 |
| Special Equipment | 298 | - | 298 | - | 298 | 12 | - | 311 |
| Tools | - | 788 | 788 | - | 788 | 55 | - | 843 |
| No Mains | 5,040 | 1,902 | 6,942 | - | 6,942 | 297 | 790 | 8,029 |
| Total | 12,919 | 5,792 | 18,711 | 162 | 18,874 | 883 | 790 | 20,546 |



Approved Major Scope of Work and Year Wise Cost Bifurcation for Distribution Maintenance Projects

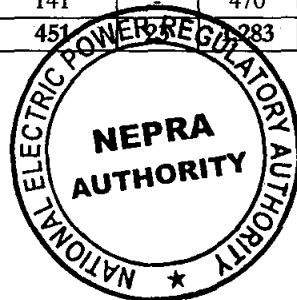
| Head | UoM | FY 24 | | FY 25 | | FY 26 | | FY 27 | | FY 28 | | FY 29 | | FY 30 | | Grant Total | |
|------------------------------|----------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------------|---------------|
| | | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost |
| Dilapidated Poles Conductors | Poles | 7,020 | 709 | 7,020 | 745 | 7,020 | 747 | 7,020 | 750 | 7,020 | 750 | 7,020 | 752 | 7,020 | 755 | 49,140 | 5,209 |
| PMT Shifting | PMT Structures | 210 | 235 | 210 | 246 | 210 | 247 | 210 | 247 | 210 | 247 | 210 | 247 | 210 | 248 | 1,470 | 1,717 |
| Earthing of Service Bracket | Bracket | 2,267 | 582 | 2,267 | 615 | 2,267 | 617 | - | - | - | - | - | - | - | - | 6,800 | 1,814 |
| Enchroched OH to UG | KM | 16 | 159 | 16 | 169 | 16 | 169 | 16 | 169 | 16 | 170 | 16 | 170 | 16 | 171 | 112 | 1,178 |
| Stay Unit Insulators | Insulators | 6,800 | 111 | 6,800 | 118 | 6,800 | 118 | 6,800 | 118 | 6,800 | 118 | - | - | - | - | 34,000 | 582 |
| Installation of DBs | No. | 607 | 58 | 607 | 62 | 607 | 62 | 607 | 62 | 607 | 62 | 607 | 62 | 607 | 62 | 4,250 | 430 |
| PMU on Wheels | PMUs | 15 | 255 | 5 | 89 | 5 | 89 | - | - | - | - | - | - | - | - | 25 | 434 |
| Special Equipment | - | - | 50 | - | 52 | - | 78 | - | 52 | - | 26 | - | 26 | - | 26 | - | 311 |
| Tools | - | - | 99 | - | 111 | - | 117 | - | 121 | - | 126 | - | 132 | - | 137 | - | 843 |
| No Mains | PMTs | 200 | 2,046 | 200 | 2,162 | 70 | 759 | 70 | 762 | 70 | 764 | 70 | 767 | 70 | 770 | 750 | 8,029 |
| Grand Total | | - | 4,304 | - | 4,369 | - | 3,003 | - | 2,281 | - | 2,264 | - | 2,157 | - | 2,169 | - | 20,546 |

2

Approved Year Wise Base Cost (FCC , LCC, RoW) Bifurcation for Distribution Maintenance Projects (Million Rs.)

| Head | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | FY 2027 | | | |
|------------------------------|--------------|------------|------------|-----------|--------------|------------|------------|-----------|--------------|------------|------------|-----------|--------------|------------|------------|-----------|
| | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW |
| | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC |
| Dilapidated Poles Conductors | 473 | 53 | 182 | - | 473 | 53 | 177 | - | 473 | 53 | 178 | - | 473 | 53 | 181 | - |
| PMT Shifting | 148 | 25 | 62 | - | 148 | 25 | 59 | - | 148 | 25 | 59 | - | 148 | 25 | 60 | - |
| Earthing of Service Bracket | 439 | 3 | 140 | - | 439 | 3 | 140 | - | 439 | 3 | 142 | - | - | - | - | - |
| Enchroched OH to UG | 119 | 2 | 16 | 23 | 119 | 2 | 16 | 23 | 119 | 2 | 17 | 23 | 119 | 2 | 17 | 23 |
| Stay Unit Insulators | 65 | 4 | 42 | - | 65 | 4 | 42 | - | 65 | 4 | 42 | - | 65 | 4 | 42 | - |
| Installation of DBs | 48 | 0 | 10 | - | 48 | 0 | 10 | - | 48 | 0 | 10 | - | 48 | 0 | 11 | - |
| PMU on Wheels | 255 | - | - | - | 85 | - | - | - | 85 | - | - | - | - | - | - | - |
| Special Equipment | 50 | - | - | - | 50 | - | - | - | 75 | - | - | - | 50 | - | - | - |
| Tools | - | 99 | - | - | - | 103 | - | - | - | 108 | - | - | - | 112 | - | - |
| No Mains | 1,344 | 114 | 383 | - | 1,344 | 114 | 389 | - | 470 | 40 | 138 | - | 470 | 40 | 139 | - |
| Total | 2,940 | 300 | 835 | 23 | 2,770 | 304 | 833 | 23 | 1,922 | 235 | 587 | 23 | 1,373 | 236 | 449 | 23 |

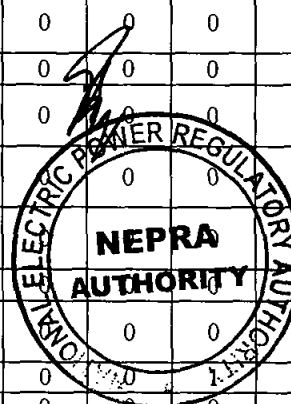
| Head | FY 2028 | | | | FY 2029 | | | | FY 2030 | | | | Total | | | |
|------------------------------|--------------|------------|------------|-----------|--------------|------------|------------|-----------|--------------|------------|------------|-----------|---------------|--------------|--------------|------------|
| | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW |
| | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC |
| Dilapidated Poles Conductors | 473 | 53 | 181 | - | 473 | 53 | 183 | - | 473 | 53 | 185 | - | 3,313 | 374 | 1,267 | - |
| PMT Shifting | 148 | 25 | 60 | - | 148 | 25 | 60 | - | 148 | 25 | 60 | - | 1,036 | 177 | 419 | - |
| Earthing of Service Bracket | - | - | - | - | - | - | - | - | - | - | - | - | 1,317 | 9 | 422 | - |
| Enchroched OH to UG | 119 | 2 | 17 | 23 | 119 | 2 | 17 | 24 | 119 | 2 | 17 | 24 | 830 | 12 | 117 | 162 |
| Stay Unit Insulators | 65 | 4 | 42 | - | - | - | - | - | - | - | - | - | 323 | 19 | 212 | - |
| Installation of DBs | 48 | 0 | 11 | - | 48 | 0 | 11 | - | 48 | 0 | 11 | - | 337 | 0 | 74 | - |
| PMU on Wheels | - | - | - | - | - | - | - | - | - | - | - | - | 425 | - | - | - |
| Special Equipment | 25 | - | - | - | 25 | - | - | - | 25 | - | - | - | 298 | - | - | - |
| Tools | - | 117 | - | - | - | 122 | - | - | - | 127 | - | - | - | 788 | - | - |
| No Mains | 470 | 40 | 141 | - | 470 | 40 | 142 | - | 470 | 40 | 144 | - | 5,040 | 426 | 1,476 | - |
| Total | 1,348 | 241 | 451 | 23 | 1,283 | 242 | 413 | 24 | 1,283 | 247 | 418 | 24 | 12,919 | 1,805 | 3,987 | 162 |



212/239

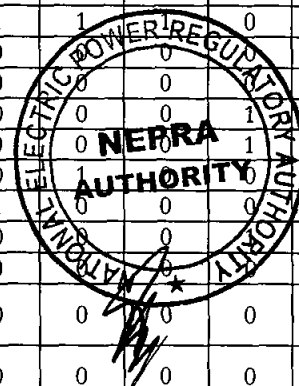
Provisionally approved list of No Mains Schemes

| Sr | No Mains Scheme (Name of area) | Estimated PMTs needed | IBC | Cluster | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | Total |
|----|--------------------------------------|-----------------------------|---------|---------|------|------|------|------|------|------|------|-------|
| 1 | Tikri Village | 2 | Baldia | Baldia | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2 | Sher Muhamamd Village Phase 2 | 2 | Baldia | Baldia | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 3 | Arabian City | 2 | Baldia | Baldia | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 4 | Singo Goath Phase 2 | 2 | Baldia | Baldia | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 5 | Hassan Goath | 1 | Baldia | Baldia | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 6 | Juma Goath | 1 | Baldia | Baldia | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 7 | Gulshan e Ghazi Block D | 2 | Baldia | Baldia | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 8 | Laiqabad Phase 3 | 3 | Baldia | Baldia | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 3 |
| 9 | New mill Area Phase 1,2,3 | 10 | Baldia | Baldia | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 10 |
| 10 | Cottage Industry (Ittehad Town) | 3 | Baldia | Baldia | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 3 |
| 11 | Pathan Goath | 1 | Baldia | Baldia | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 12 | Madina Colony | 1 | Baldia | Baldia | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 13 | Ismail Mubarak Goath | 1 | Baldia | Baldia | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 14 | Ramzan Goath | 1 | Baldia | Baldia | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 15 | Scheme 42 - Musharaf colony | 12 | Baldia | Baldia | 3 | 3 | 1 | 2 | 1 | 1 | 1 | 12 |
| 16 | Siddiq Jokhio Goath | 1 | Baldia | Baldia | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 17 | Pasha Goath | 1 | Baldia | Baldia | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 18 | Gul Hassan Goath | 1 | Baldia | Baldia | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 19 | Moosa Goath | 1 | Baldia | Baldia | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 20 | Abdul Rehman Goth Phase 2 | 3 | Baldia | Baldia | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 3 |
| 21 | Saif Ul Muree - Youhanna Bad | 7 | SURJANI | North | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 7 |
| 22 | Kiran Fatima Goth | 1 | SURJANI | North | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 23 | Yousuf Goth Near P-14 | 2 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 24 | Siddiq Goth II | 1 | SURJANI | North | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 25 | A Category, 7D, Surjani | 1 | SURJANI | North | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 26 | Arz Muhammad Goth 1 & 2 | 2 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 27 | Cattle Farm, Sector 9, Surjani | 1 | SURJANI | North | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 28 | Bhitai Goth | 1 | SURJANI | North | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 29 | Yaqoob Brohi Goth, Near ST-25, 7D | 1 | SURJANI | North | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 30 | Gulshan-e-Taufeeq | 5 | SURJANI | North | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 5 |
| 31 | ST-5 & 6 7B Surjani | 2 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 32 | ST-16, 17, 18 7B | 3 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 3 |
| 33 | Saira Bibi Goth P-3 | 2 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 34 | ST-12, 13, 14 Sec 7C Surjani | 3 | SURJANI | North | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 3 |
| 35 | Sector-10 (10/5) Surjani | 5 | SURJANI | North | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 5 |
| 36 | Sector 51 A, B, C | 41 | SURJANI | North | 11 | 11 | 4 | 3 | 4 | 4 | 4 | 41 |
| 37 | Noor Muhammad Goth | 1 | SURJANI | North | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 38 | Abdur Raheem Goth (Imtiaz Brohi) | 2 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |



Annex - U

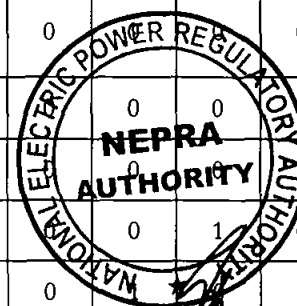
| | | | | | | | | | | | | |
|----|---------------------------------------|----|---------------|---------|---|---|---|---|---|---|---|----|
| 39 | A Category, 4C, Surjani Town | 1 | SURJANI | North | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 40 | Razi Goth 1 and 2 | 1 | SURJANI | North | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 41 | Gulshan-e-Surjani | 23 | SURJANI | North | 6 | 6 | 2 | 3 | 2 | 2 | 2 | 23 |
| 42 | Ajmer Goth Taiser Town | 3 | SURJANI | North | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 3 |
| 43 | Mullah Karim Goth | 1 | SURJANI | North | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 44 | Rajput colony | 1 | SURJANI | North | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 45 | Block 1 Clifton (opp. China port) | 6 | Clifton | Defence | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 6 |
| 46 | Sector 35A, Taiser Town | 1 | SURJANI | North | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 47 | No Mains area Near P-1/1 | 1 | SURJANI | North | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 48 | R, A, & B Category, 4-B, Surjani Town | 1 | SURJANI | North | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 49 | ST-1 & 2, Sector 5A | 1 | SURJANI | North | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 50 | St. 9, Sector-4A | 1 | SURJANI | North | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 51 | Kaneez Fatima | 14 | SURJANI | North | 4 | 4 | 1 | 1 | 1 | 2 | 1 | 14 |
| 52 | ST-9 & 12, 7A, Surjani Town | 1 | SURJANI | North | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 53 | Noor-ud-Din Goth | 5 | SURJANI | North | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 5 |
| 54 | Yaroo Goth | 23 | SURJANI | North | 6 | 6 | 2 | 3 | 2 | 2 | 2 | 23 |
| 55 | Yousuf Goth Part II | 1 | SURJANI | North | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 56 | Bismillah Town, 4B | 5 | SURJANI | North | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 5 |
| 57 | Muhammadi Cottage 10/1 | 7 | SURJANI | North | 2 | 2 | 1 | 0 | 0 | 1 | 1 | 7 |
| 58 | Kher Muhammad Goth | 3 | SURJANI | North | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 3 |
| 59 | ST-3, 6, FL-2, Sector 5F, Surjani | 1 | SURJANI | North | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 60 | RI Plot Sector 5C | 1 | SURJANI | North | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 61 | Shah Baig Goth, Sector 10/3 | 3 | SURJANI | North | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 3 |
| 62 | Mir Khan Goth | 5 | SURJANI | North | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 5 |
| 63 | Aairb Goth | 5 | SURJANI | North | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 5 |
| 64 | B Category of 4C | 2 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 65 | Noman Royal Villas | 2 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 66 | North Town | 3 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 3 |
| 67 | Saima Arabian Villas | 3 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 3 |
| 68 | Pearl Villas | 3 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| 69 | Gulshan e Kazim | 3 | SURJANI | North | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 3 |
| 70 | A One Homes | 3 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| 71 | Sector 11A | 2 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 72 | Taiser Town Sector 52 | 2 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 73 | Taiser Town Sector 53 | 2 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 74 | Taiser Town Sector 54 | 2 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 75 | 52 Patti, Gulshan e Surjani | 2 | SURJANI | North | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 76 | Sector 5F | 6 | SURJANI | North | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 6 |
| 77 | Sector 5A | 6 | SURJANI | North | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 6 |
| 78 | Bismillah 11F | 1 | North Karachi | North | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 79 | Bismillah 11G | 2 | North Karachi | North | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 80 | Yasrab Goth | 1 | North | North | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |



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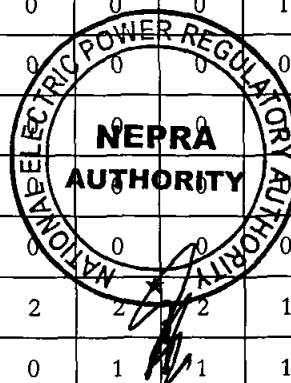
Annex - U

| | | | Karachi | | | | | | | | | |
|-----|------------------------------|---|---------|-----------|---|---|---|---|---|---|---|---|
| 81 | SIRAJ GOTH | 1 | MALIR | Bin Qasim | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 82 | ISMAIL GOTH | 1 | MALIR | Bin Qasim | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 83 | MUBARAK ABAD GOTH | 1 | MALIR | Bin Qasim | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 84 | GABOOL GOTH | 1 | MALIR | Bin Qasim | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 85 | WAHID LAGHARI GOTH | 1 | MALIR | Bin Qasim | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 86 | USMANABAD GOTH | 1 | MALIR | Bin Qasim | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 87 | MEER GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 88 | HAJI BAKSHAL GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 89 | USMAN ALLAH RAKHIA GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 90 | DARYA KHAN GABOOL | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 91 | HASHIM GABOOL GOTH DE KANKAR | 1 | MALIR | Bin Qasim | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 92 | MURAD ALI GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 93 | HASHIM GABOOL GOTH DE KATHOR | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 94 | SHAKAR GABOOL GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 95 | ABDUL HAKEEM GABOOL GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 96 | SALEH MUHAMMAD JOKHIO GOTH | 1 | MALIR | Bin Qasim | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 97 | ABDULLAH GABOOL GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 98 | NAWAZ ALI GONDAR GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99 | HADI BUX GABOOL GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 100 | MEMON FAQEER GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 101 | MORYO FAQEER GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 102 | WAJA IBRAHIM GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 103 | JALAB GABOOL GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 104 | ARIF GABOOL GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 105 | PEER BUX GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 106 | SAJAN GABOOL GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 107 | SHAFI GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 108 | DUR MUHAMMAD GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |



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| | | | | | | | | | | | | |
|-----|-------------------------------------|----|-------------|-----------|---|---|---|---|---|---|---|----|
| 109 | SAMOO GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 110 | ARYAN CITY | 1 | MALIR | Bin Qasim | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 111 | OLD THANA | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 112 | JAM GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 113 | MULLA ESSA GOTH | 1 | MALIR | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 114 | GULSHAN-E-AHMED | 1 | Shah Faisal | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 115 | NAGMAN GOTH | 1 | Shah Faisal | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 116 | Jumma Goth Extension | 3 | Shah Faisal | Bin Qasim | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 3 |
| 117 | Shah Latif Town Sec 16-B, Bin Qasim | 14 | Bin Qasim | Bin Qasim | 4 | 4 | 1 | 1 | 2 | 1 | 1 | 14 |
| 118 | Shah Latif Town Sec 17-B, Bin Qasim | 13 | Bin Qasim | Bin Qasim | 3 | 3 | 1 | 2 | 1 | 2 | 1 | 13 |
| 119 | Shaheed Benazirabad Scheme (PHA) | 3 | Bin Qasim | Bin Qasim | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 3 |
| 120 | Khyber City | 1 | Bin Qasim | Bin Qasim | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 121 | Nayab Muhalla | 1 | Bin Qasim | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 122 | Abdul Ghafoor Anar Goth | 5 | Bin Qasim | Bin Qasim | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 5 |
| 123 | Moosa Goth (Makki Muhala) | 3 | Bin Qasim | Bin Qasim | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 3 |
| 124 | Shah Town Phase III | 5 | Bin Qasim | Bin Qasim | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 5 |
| 125 | New Chiragh Colony | 1 | Bin Qasim | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 126 | Agha Town | 3 | Bin Qasim | Bin Qasim | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| 127 | Moosa Jokhio Goth | 2 | Bin Qasim | Bin Qasim | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 128 | Dur Muhammad Gabol Goth | 1 | Bin Qasim | Bin Qasim | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 129 | Gulistan Faisal | 19 | Bin Qasim | Bin Qasim | 5 | 5 | 2 | 2 | 2 | 1 | 2 | 19 |
| 130 | Soomar Goth | 5 | Bin Qasim | Bin Qasim | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 5 |
| 131 | Shah Latif Sector 22B | 19 | Bin Qasim | Bin Qasim | 5 | 5 | 2 | 2 | 2 | 1 | 2 | 19 |
| 132 | Gulshan E Sikanderabad | 9 | Clifton | Defence | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 9 |
| 133 | Mir Khan Goth - II | 5 | SURJANI | North | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 5 |
| 134 | Mehran City | 23 | Orangi 2 | Orangi | 6 | 6 | 2 | 2 | 2 | 3 | 2 | 23 |
| 135 | Altaf Nagar Block-D | 5 | Orangi 2 | Orangi | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 5 |
| 136 | Altaf Nagar Block-K | 9 | Orangi 2 | Orangi | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 9 |
| 137 | Al-Jannat | 12 | Orangi 2 | Orangi | 3 | 3 | 1 | 1 | 1 | 2 | 1 | 12 |
| 138 | Sector New R(GULSHAN E TOHEED) | 2 | Orangi 2 | Orangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 139 | Sector R(GULSHAN E TOHEED) | 3 | Orangi 2 | Orangi | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 3 |
| 140 | Sector RG | 1 | Orangi 2 | Orangi | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |

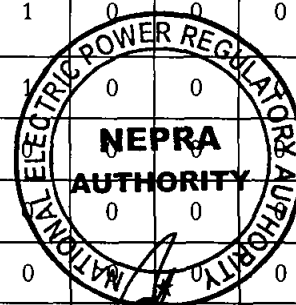


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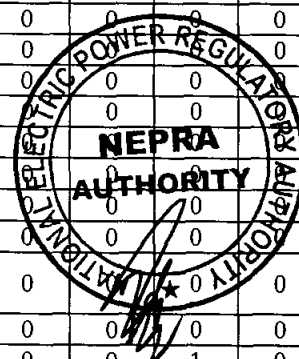
Annex - U

| | | | | | | | | | | | | |
|-----|---|---|----------|---------|---|---|---|---|---|---|---|---|
| | B/2(GULSHAN E TOHEED) | | | | | | | | | | | |
| 141 | Sector L(GULSHAN E TOHEED) | 5 | Orangi 2 | Orangi | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 5 |
| 142 | Sector R VIP(GULSHAN E TOHEED) | 3 | Orangi 2 | Orangi | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 3 |
| 143 | Sector L A(GULSHAN E TOHEED) | 1 | Orangi 2 | Orangi | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 144 | Mustafa Colony (kairabad old name Jahanabad)(Khairabad) | 2 | Orangi 2 | Orangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 145 | Faqir Colony (kairabad old name Jahanabad)(Khairabad) | 3 | Orangi 2 | Orangi | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 3 |
| 146 | Sultanabad SCE-4 MPR | 2 | Orangi-I | Orangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 147 | AL AHMED TOWN | 8 | Orangi-I | Orangi | 2 | 2 | 1 | 0 | 1 | 1 | 1 | 8 |
| 148 | BUND MURAD Goth, HUB DAM ROAD | 2 | Orangi-I | Orangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 149 | Haji Abdul Khaliq Goth Near Hamdard University | 2 | Orangi-I | Orangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 150 | ALLAH BUX GOTH HUB DAM | 2 | Orangi-I | Orangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 151 | RASOOL BUX GOTH HUB DAM | 2 | Orangi-I | Orangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 152 | AZIZ BROHI GOTH MANGHOPIR | 1 | Orangi-I | Orangi | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 153 | RAHEEM GOTH M P ROAD | 1 | Orangi-I | Orangi | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 154 | Gul Mohammad Goth | 2 | Orangi-I | Orangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 155 | Abdul Khaliq Sumlani Goth | 2 | Orangi-I | Orangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 156 | Yaqoob Sumlani Goth | 2 | Orangi-I | Orangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 157 | Naseer Ahmed Qalandrani Goth | 2 | Orangi-I | Orangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 158 | Usman Goth | 2 | Orangi-I | Orangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 159 | Jogi Goth | 1 | Orangi-I | Orangi | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 160 | Ghareeb Nawaz Goth | 2 | Orangi-I | Orangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 161 | Jamali Goth | 2 | Orangi-I | Orangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 162 | Haji Malik Goth Manghopir | 5 | Orangi-I | Orangi | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 5 |
| 163 | Railway Colony | 1 | Saddar | Defence | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 164 | Mirza goth | 1 | Gadap | Johar | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 165 | Wazir goth | 2 | Gadap | Johar | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 166 | Rehman goth | 1 | Gadap | Johar | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 167 | Kamil gabol goth | 1 | Gadap | Johar | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 168 | Naik Mohd gabol goth | 1 | Gadap | Johar | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 169 | Rao gohram goth | 2 | Gadap | Johar | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |



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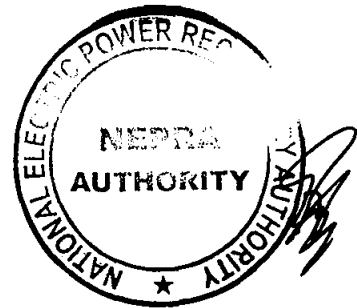
| | | | | | | | | | | | | |
|-----|------------------------------------|---|-------|-------|---|---|---|---|---|---|---|---|
| 170 | Jumani goth | 1 | Gadap | Johar | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 171 | Sultan Jokhio goth | 2 | Gadap | Johar | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 172 | Sehtani stop1 | 2 | Gadap | Johar | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 173 | Shahani goth | 1 | Gadap | Johar | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 174 | Ghulam Mohd goth | 1 | Gadap | Johar | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 175 | Radho goth | 1 | Gadap | Johar | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 176 | Ishaq PMT | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 177 | Noor Hassan Jokhio Goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 178 | Nazar Gabool Goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 179 | Qasim Gabol Goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 180 | Bahadur Goth Block C | 2 | Gadap | Johar | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 181 | Umar saeed Goth | 2 | Gadap | Johar | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 182 | Sakhi Goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 183 | Wali mohd khaskhali goth | 1 | Gadap | Johar | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 184 | Bohra Farm | 1 | Gadap | Johar | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 185 | Mehrab Rind Goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 186 | Survey number 78 goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 187 | Mehrab Rind goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 188 | Kamil gabol goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 189 | Naik Mohd gabol goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 190 | Noor Hassan Jokhio Goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 191 | Nazar Gabool Goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 192 | Kamil Gabol Goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 193 | Ali Mohd Gabol Goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 194 | Junjhar goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 195 | Pub malir | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 196 | Mullah Hussain | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 197 | Chota Gate | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 198 | Zafar Mitho Goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 199 | Ahsanbad Sector 3 | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 200 | allah baksh | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 201 | Yaqoob Brohi Goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 202 | Bandaja stop | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 203 | Murad bughti goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 204 | Lassi goth-Gadap 02 | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 205 | Wali mohd khaskhali goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 206 | Ghulam Mohd goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 207 | Urs Goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 208 | Jumani goth | 1 | Gadap | Johar | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 209 | Shahani goth | 1 | Gadap | Johar | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 210 | Radho goth | 1 | Gadap | Johar | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 211 | Mirza goth | 1 | Gadap | Johar | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 212 | Sehtani goth | 1 | Gadap | Johar | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 213 | Bakhar and Noor Hassan Jokhio Goth | 1 | Gadap | Johar | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 214 | Sakhi Goth | 1 | Gadap | Johar | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 215 | Pareshan Chowk | 1 | Gadap | Johar | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 216 | Rehman goth | 1 | Gadap | Johar | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 217 | Tharo Mengal Goth | 1 | Gadap | Johar | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 218 | Wazir goth | 2 | Gadap | Johar | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 219 | Sultan Jokhio goth | 2 | Gadap | Johar | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 220 | Bahadur Goth Block C | 2 | Gadap | Johar | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |



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| | | | | | | | | | | | | |
|-------|--|-----|---------|---------|-----|-----|----|----|----|----|----|-----|
| 221 | Nehal Goth | 2 | Gadap | Johar | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 222 | Somar goth | 1 | J-II | Johar | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 223 | Abdullah goth azeem cutting | 2 | Gadap | Johar | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 224 | Rao gohram goth | 2 | Gadap | Johar | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 225 | haji zakria goth | 3 | J-II | Johar | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 3 |
| 226 | chatta gabol goth | 1 | J-II | Johar | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 227 | chaman iqbal-2 | 1 | J-I | Johar | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 228 | Peer Baksh brohi | 2 | Gadap | Johar | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 229 | Mehran town 6 F | 2 | KIMZ | Korangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 230 | Mehran town 6 g | 28 | KIMZ | Korangi | 7 | 7 | 3 | 3 | 3 | 2 | 3 | 28 |
| 231 | Sharafi Goth | 7 | KIMZ | Korangi | 2 | 2 | 1 | 1 | 0 | 0 | 1 | 7 |
| 232 | Sector 10 | 5 | KIMZ | Korangi | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 5 |
| 233 | Rangersz Ground 33/B | 1 | Korangi | Korangi | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 234 | Ibrahim Hyderi | 12 | Korangi | Korangi | 3 | 3 | 1 | 2 | 1 | 1 | 1 | 12 |
| 235 | Ilyas Goth | 6 | Korangi | Korangi | 2 | 1 | 0 | 0 | 1 | 1 | 1 | 6 |
| 236 | Sec 51/C | 6 | Korangi | Korangi | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 6 |
| 237 | Chakra Goth | 6 | Korangi | Korangi | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 6 |
| 238 | Sec 50/C | 6 | Korangi | Korangi | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 6 |
| 239 | Jumma Goth | 6 | Korangi | Korangi | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 6 |
| 240 | Ali Akber Shah Goth | 12 | Korangi | Korangi | 3 | 3 | 1 | 2 | 1 | 1 | 1 | 12 |
| 241 | Sec 48/F, 48/F-1 | 6 | Korangi | Korangi | 2 | 1 | 0 | 1 | 0 | 1 | 1 | 6 |
| 242 | Peer Colony | 6 | Korangi | Korangi | 2 | 2 | 0 | 1 | 0 | 1 | 0 | 6 |
| 243 | Sec 51/D, 51/M | 5 | Korangi | Korangi | 3 | 1 | 0 | 0 | 0 | 1 | 0 | 5 |
| 244 | Korangi 6 | 2 | Korangi | Korangi | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 245 | G-Area Ilyas Goth Near Christian Graveyard | 1 | Landhi | Korangi | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 246 | Extension of Atta ur Rehman Goth Near Baloch Muhalla | 1 | Landhi | Korangi | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 247 | Lalabad -2 , Near Lalabd PMT-4 | 1 | Landhi | Korangi | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 248 | New Abadi Opposite Chashma Goth Jatt Parra | 1 | Landhi | Korangi | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 249 | Lala Baad Naala Paar , Near Agha Rafiullah | 1 | Landhi | Korangi | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | | | | | | | | | |
| Total | | 750 | - | - | 200 | 200 | 70 | 70 | 70 | 70 | 70 | 750 |

2



Approved CAPEX for SCADA upgradation & Other Automation Equipment (Million Rs.)

| Head | Material, Installation & Services | | | RoW | Base Cost | Escalation Cost | Contingency | Custom Duty | IDC | Grand Total Allowed |
|------------------------------------|-----------------------------------|-----|-------|-----|-----------|-----------------|-------------|-------------|-------|---------------------|
| | FCC | LCC | Total | | | | | | | |
| | a | B | c=a+b | d | e=c+d | f | g | h | i | j=e+f+g+h+i |
| SCADA & Other Automation equipment | 5,697 | - | 5,697 | - | 5,697 | 285 | 285 | 456 | 1,439 | 8,161 |

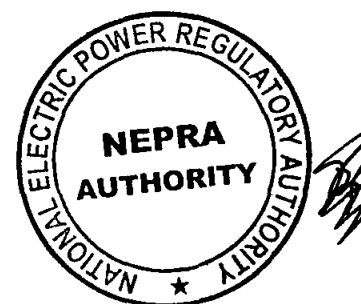
Approved Major Scope of Work and Year Wise Cost Bifurcation for SCADA upgradation program

| Description | Scope | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 | Total |
|------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|
| SCADA & Other Automation equipment | SCADA upgradation which includes hardware and software; Oracle server upgradation; DRC redundancy for SCADA server. | 0 | 0 | 0 | 0 | 0 | 3,078 | 5,083 | 8,161 |

Approved Year Wise Base Cost (FCC , LCC, Land Cost) Bifurcation for Smart Network Projects (Million Rs.)

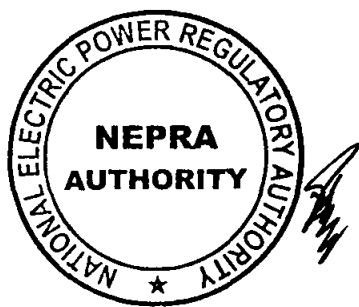
| Description | FY 2028 | | | | FY 2029 | | | | FY 2030 | | | | Total | | | |
|------------------------------------|---------|-----|-----|------------|---------|-----|-----|------------|---------|-----|-----|------------|-------|-----|-----|------------|
| | FCC | LCC | RoW | Progress % | FCC | LCC | RoW | Progress % | FCC | LCC | RoW | Progress % | FCC | LCC | RoW | Progress % |
| SCADA & Other Automation equipment | - | - | - | 0% | 2,149 | - | - | 38% | 3,548 | - | - | 62% | 5,697 | - | - | 100% |

7



Claimed Cost breakup of approved CAPEX for AMR & digitalization under head of Technology (Million Rs.)

| Head | Material, Installation & Services | | | RoW | Base Cost | Escalation Cost | Grand Total Allowed |
|----------------------------------|-----------------------------------|------------|--------------|----------|--------------|-----------------|---------------------|
| | FCC | LCC | Total | | | | |
| | a | b | c=a+b | | e=c+d | f | g=e+f |
| AMR Coverage | 3,101 | 571 | 3,672 | - | 3,672 | 168 | 3,840 |
| Power Analyzers | 80 | 22 | 102 | - | 102 | 6 | 108 |
| Customer Services Digitalization | 406 | - | 406 | - | 406 | 17 | 423 |
| Commercial Digitalization (HHUs) | 234 | - | 234 | - | 234 | 10 | 244 |
| Total | 3,821 | 593 | 4,414 | - | 4,414 | 200 | 4,614 |



Approved Major Scope of Work and Year Wise Cost Bifurcation for AMR & digitization under head of Technology

(Million Rs.)

| Head | UoM | FY 24 | | FY 25 | | FY 26 | | FY 27 | | FY 28 | | FY 29 | | FY 30 | | Grand Total | |
|----------------------------------|----------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|-------------|--------------|
| | | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost |
| AMR Coverage | Meters | 6,046 | 604 | 5,528 | 540 | 5,528 | 540 | 5,528 | 540 | 5,528 | 539 | 5,528 | 538 | 5,528 | 538 | 39,211 | 3,840 |
| Power Analyzers | No. | - | - | 50 | 54 | 50 | 54 | - | - | - | - | - | - | - | - | 100 | 108 |
| Customer Services Digitalization | - | - | 65 | - | 101 | - | 139 | - | - | - | 32 | - | 19 | - | 67 | - | 423 |
| Commercial Digitization | No. | 472 | 34 | 463 | 35 | 463 | 35 | 463 | 35 | 463 | 35 | 463 | 35 | 463 | 35 | 3,250 | 244 |
| Grand Total | - | - | 703 | - | 730 | - | 768 | - | 575 | - | 605 | - | 593 | - | 641 | - | 4,614 |

2

Approved Year Wise Base Cost (FCC , LCC, Land Cost) Bifurcation for AMR & digitalization under head of Technology

| Head | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | FY 2027 | | | |
|----------------------------------|------------|----------|------------|----------|------------|----------|-----------|----------|------------|----------|-----------|----------|------------|----------|-----------|----------|
| | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW |
| | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC |
| AMR Coverage | 503 | - | 101 | - | 433 | - | 79 | - | 433 | - | 79 | - | 433 | - | 79 | - |
| Power Analyzers | - | - | - | - | 40 | - | 11 | - | 40 | - | 11 | - | - | - | - | - |
| Customer Services Digitalization | 65 | - | - | - | 96 | - | - | - | 133 | - | - | - | - | - | - | - |
| Commercial Digitization | 34 | - | - | - | 33 | - | - | - | 33 | - | - | - | 33 | - | - | - |
| Total | 602 | - | 101 | - | 602 | - | 90 | - | 639 | - | 90 | - | 466 | - | 79 | - |

| Head | FY 2028 | | | | FY 2029 | | | | FY 2030 | | | | Total | | | |
|----------------------------------|------------|----------|-----------|----------|------------|----------|-----------|----------|------------|----------|-----------|----------|--------------|----------|------------|----------|
| | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW |
| | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC | FCC | LCC | LCC | LCC |
| AMR Coverage | 433 | - | 78 | - | 433 | - | 78 | - | 433 | - | 78 | - | 3,101 | - | 571 | - |
| Power Analyzers | - | - | - | - | - | - | - | - | - | - | - | - | 80 | - | 22 | - |
| Customer Services Digitalization | 30 | - | - | - | 18 | - | - | - | 64 | - | - | - | 406 | - | - | - |
| Commercial Digitization - | 33 | - | - | - | 33 | - | - | - | 33 | - | - | - | 234 | - | - | - |
| Total | 496 | - | 78 | - | 485 | - | 78 | - | 530 | - | 78 | - | 3,821 | - | 593 | - |

2



Claimed Cost breakup of approved CAPEX for Smart Network Program (Million Rs.)

| Head | Material, Installation & Services | | | RoW | Base Cost | Escalation Cost | IDC | Grand Total Allowed |
|--|-----------------------------------|----------|--------------|----------|--------------|-----------------|------------|---------------------|
| | FCC | LCC | Total | | | | | |
| | a | B | c=a+b | | | | | |
| Advanced Distribution Management System (ADMS) + SCADA on 200 Feeders in Korangi cluster | 4,162 | - | 4,162 | - | 4,162 | 138 | 489 | 4,789 |
| Meter data management system (MDMS) | 1,512 | - | 1,512 | - | 1,512 | 66 | 178 | 1,755 |
| Hardware upgrades including related Software | 947 | - | 947 | - | 947 | 41 | 111 | 1,100 |
| CYME, R&D, Mobility and others | 1,086 | - | 1,086 | - | 1,086 | 43 | 128 | 1,257 |
| Total | 7,707 | - | 7,707 | - | 7,707 | 289 | 905 | 8,901 |



Approved Major Scope of Work and Year Wise Cost Bifurcation for Smart Network Projects

(Million Rs.)

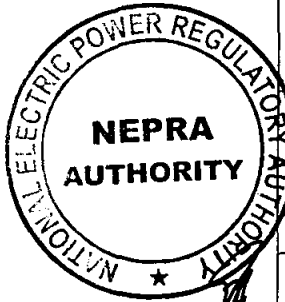
| Head | FY 24 | | FY 25 | | FY 26 | | FY 27 | | FY 28 | | FY 29 | | FY 30 | | Grand Total | |
|--|----------|--------------|-------|--------------|-------|--------------|-------|------------|-------|--------------|-------|------------|-------|------------|-------------|--------------|
| | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost | Qty | Cost |
| Advanced Distribution Management System (ADMS) + SCADA on 200 Feeders in Korangi cluster | - | 1,555 | | 1,238 | | 612 | | 305 | | 558 | | 268 | | 252 | | 4,789 |
| Meter data management system (MDMS) | - | 222 | | 654 | | 325 | | - | | 253 | | 302 | | - | | 1,755 |
| Hardware upgrades including related Software | - | 136 | | - | | 166 | | 22 | | 587 | | 190 | | - | | 1,100 |
| CYME, R&D, Mobility and others | - | 242 | | 143 | | 188 | | 184 | | 214 | | 139 | | 148 | | 1,257 |
| Grand Total | - | 2,155 | | 2,035 | | 1,291 | | 510 | | 1,612 | | 898 | | 400 | | 8,901 |

2

Approved Year Wise Base Cost (FCC , LCC, ROW) Bifurcation for Smart Network Projects (Million Rs.)

| Head | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | FY 2027 | | | |
|--|--------------|----------|----------|----------|--------------|----------|----------|----------|--------------|----------|----------|----------|------------|----------|----------|----------|
| | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW |
| | FCC | LCC | LCC | LC C | FCC | LCC | LCC | LC C | FCC | LCC | LCC | LC C | FCC | LCC | LCC | LCC |
| Advanced Distribution Management System (ADMS) + SCADA on 200 Feeders in Korangi cluster | 1,392 | - | - | - | 1,061 | - | - | - | 524 | - | - | - | 261 | - | - | - |
| Meter data management system (MDMS) | 198 | - | - | - | 560 | - | - | - | 279 | - | - | - | - | - | - | - |
| Hardware upgrades including related Software | 122 | - | - | - | - | - | - | - | 142 | - | - | - | 18 | - | - | - |
| CYME, R&D, Mobility and others | 216 | - | - | - | 122 | - | - | - | 161 | - | - | - | 157 | - | - | - |
| Total | 1,928 | - | - | - | 1,743 | - | - | - | 1,105 | - | - | - | 437 | - | - | - |

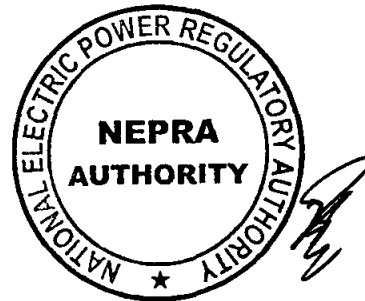
| Head | FY 2028 | | | | FY 2029 | | | | FY 2030 | | | | Total | | | |
|--|--------------|----------|----------|----------|------------|----------|----------|----------|------------|----------|----------|----------|--------------|----------|----------|----------|
| | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW | Material | | Services | RoW |
| | FCC | LCC | LCC | LC C | FCC | LCC | LCC | LC C | FCC | LCC | LCC | LC C | FCC | LCC | LCC | LCC |
| Advanced Distribution Management System (ADMS) + SCADA on 200 Feeders in Korangi cluster | 478 | - | - | - | 230 | - | - | - | 216 | - | - | - | 4,162 | - | - | - |
| Meter data management system (MDMS) | 217 | - | - | - | 258 | - | - | - | - | - | - | - | 1,512 | - | - | - |
| Hardware upgrades including related Software | 503 | - | - | - | 162 | - | - | - | - | - | - | - | 947 | - | - | - |
| CYME, R&D, Mobility and others | 183 | - | - | - | 119 | - | - | - | 127 | - | - | - | 1,086 | - | - | - |
| Total | 1,381 | - | - | - | 769 | - | - | - | 343 | - | - | - | 7,707 | - | - | - |



Claimed Cost breakup for approved CAPEX for SAP HANA BW Implementation (Upgrade) (Million Rs.)

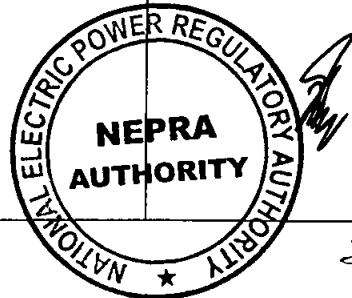
| | Currency | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | Total |
|--|------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|-------------|
| SAP HANA BW Implementation (Upgrade) | PKR | 1,385 | 21 | 62 | 124 | 155 | 93 | - | 1,838 |
| | @ 206/USD | | | | | | | | |
| SAP Upgrade - Vendor Quotation (Negotiation Under Progress) | | | | | | | | | |
| Implementation | USD | 2.25 | - | - | - | - | - | - | 2.25 |
| Warranty, Support, Maintenance & Training | USD | 0.71 | - | - | - | - | - | - | 0.71 |
| Oracle 11g Upgrade | USD | 0.20 | - | - | - | - | - | - | 0.20 |
| SAP Business Warehouse (BW) Upgrade | USD | 1.50 | - | - | - | - | - | - | 1.50 |
| Business application integration with SAP upgrade landscape | USD | 1.00 | - | - | - | - | - | - | 1.00 |
| SAP Additional Software (Investment Management, Signavio, PaPM) | USD | 0.40 | - | - | - | - | - | - | 0.40 |
| Misc. CR / Upgradation (Y-o-Y) | USD | 0.66 | 0.10 | 0.30 | 0.60 | 0.75 | 0.45 | - | 2.86 |
| Total | USD | 6.72 | 0.10 | 0.30 | 0.60 | 0.75 | 0.45 | - | 8.92 |

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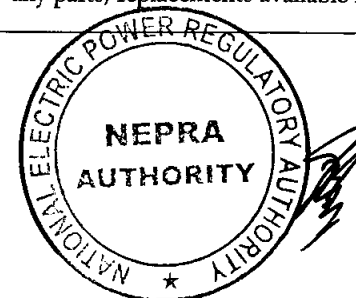
Approved CAPEX for Replacement of End of Life Solutions (servers and network)

| ID | Category | Domain | Value (PKR) | Description | Replacement Due | Reference | Impact - If Investment not made |
|----|-------------|-------------|-------------|---|-----------------|---------------------|---|
| 1 | End of Life | Server | 126,207,651 | HCI Environment(Organic Growth) Phase III | 2024 | Purchase Order | <p>Effects if tech refresh of HCI nodes cannot be done when they become EOS:</p> <ul style="list-style-type: none"> • Decreased performance and reliability • Potential disruptions to business services • Increased risk of security vulnerabilities • Limited support from DELL/EMC • Difficulty meeting ongoing business requirements <p>Effects if a phase-wise approach is not taken and bulk tech refresh is carried out:</p> <ul style="list-style-type: none"> • Significant CAPEX expenditure at once • Potential for longer downtime during upgrades • Increased complexity and risk during migration • Resource-intensive transition process <p>Difficulty in adapting to new technologies and business needs</p> |
| 2 | End of Life | Network | 15,517,361 | Fortigate 600D firewall | 2024 | Purchase Order | <p>This replacement is critical as KE will be open to new threats resulting in dataloss or cyber attack.</p> |
| 3 | End of Life | SAN Storage | 297,355,232 | Unified Enterprise SAN Storages and Archiving Solutions | 2024 | Budgetary Quotation | <p>SAN Storage Effects: EOS Hardware Stack i.e. IBM v9K running current SAP ECC (Billing, ERP & CRM) is EOS – EOS Dec, 2023 while EMC Unity is EOL while EOS is July,2025 Performance Degradation: 80% Storage Consumption which leads to performance degradation is faced in peak hours (occasionally) Business Fulfillment Issue: 80% Storage Consumption which leads to 'Limited Fulfillment for Business Needs' due to Capacity Constraints Storage Silos: Multiple storage farms with segregated capacity pools leading to storage wastage.</p> <p>Archiving Solution Effects: Absence of data archiving platform resulting into multiple data copies which are un-protected and no guarantee for data retrieval b. Data Security Gap: Lack of data security for the archived data which is protected from loss, corruption, theft and compromise.</p> |



| | | | | | | | |
|---|-------------|---------|-------------|---|------|---------------------|---|
| | | | | | | | c. Absence of ILM Data Repository: As per ILM (information life cycle) framework 3 Tier data repositories are missing i.e. SAN Storage (Online), Backup VTL(Offline) and Archiving Platform(Long Term) for data retention & governance. |
| 4 | End of Life | Others | 30,599,756 | Misc Other Solution (EOL) | 2024 | Estimation | In case of any failures, we will not have any parts/replacements available resulting in service outage and impact of business operations. |
| 5 | End of Life | Network | 60,940,760 | Replacement of CISCO switches | 2025 | Purchase Order | In case of any failures, we will not have any parts/replacements available resulting in service outage and impact of business operations. |
| 6 | End of Life | Server | 518,228,844 | Procurement of Huawei Kunlun (With 3 Years Support) | 2025 | Estimation | <ul style="list-style-type: none"> • Post EOS dates, no support will be available from OEM i.e. no hardware replacements, firmware upgrades or software issue resolution. • Critical business services will be at risk without OEM Support. • Severe impacts on hosted SAP Solution and business service continuity. |
| 7 | End of Life | Others | 96,510,396 | Misc Other Solution (EOL) | 2025 | Estimation | In case of any failures, we will not have any parts/replacements available resulting in service outage and impact of business operations. |
| 8 | End of Life | Server | 155,588,018 | Power 8 Servers | 2026 | Purchase Order | <ul style="list-style-type: none"> • SAP ISU and SAP CRM Solutions operate on IBM Power 8 servers • Post EOS (Oct 2024) date, IBM support will be unavailable: No hardware replacements, firmware upgrades, or software issue resolution • Critical business services at risk without OEM support • Severe impacts on hosted SAP Solutions and business service continuity. |
| 9 | End of Life | Network | 114,867,042 | Nexus 9K switch | 2026 | Budgetary Quotation | Nexus 9K switches are core switches leading all data center services and connectivity. Incase of any failures, we will not have any parts/replacements available resulting in service outage. |

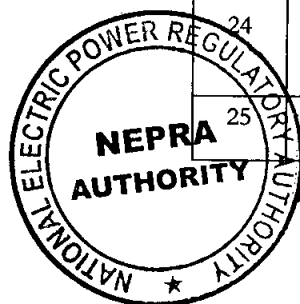
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| | | | | | | | |
|----|-------------|---------|-------------|--|------|----------------|--|
| 10 | End of Life | Server | 126,251,495 | HCI Environment(Organic Growth) | 2026 | Purchase Order | <p>Effects if tech refresh of HCI nodes cannot be done when they become EOS:</p> <ul style="list-style-type: none"> • Decreased performance and reliability • Potential disruptions to business services • Increased risk of security vulnerabilities • Limited support from DELL/EMC • Difficulty meeting ongoing business requirements <p>Effects if a phase-wise approach is not taken and bulk tech refresh is carried out:</p> <ul style="list-style-type: none"> • Significant CAPEX expenditure at once • Potential for longer downtime during upgrades • Increased complexity and risk during migration • Resource-intensive transition process <p>Difficulty in adapting to new technologies and business needs</p> |
| 11 | End of Life | Server | 298,543,445 | MDMS(H/W) - Exadata | 2026 | Purchase Order | <ul style="list-style-type: none"> • By 2027, sustainability concerns and rising Revex costs make tech refresh essential • Failure to refresh Exadata and PCA risks capacity limitations, reduced performance, and system outages of MDM Solution. • Adverse effects include potential disruption of business operations, data loss, and increased financial burden |
| 12 | End of Life | Network | 46,964,620 | Replacement of CISCO 3650 - 24ports switch | 2027 | Purchase Order | <p>In case of any failures, we will not have any parts/replacements available resulting in service outage and impact of business operations.</p> |
| 13 | End of Life | Server | 298,543,445 | MDMS(H/W) - PCA-X8 | 2027 | Purchase Order | <ul style="list-style-type: none"> • By 2027, sustainability concerns and rising Revex costs make tech refresh essential • Failure to refresh Exadata and PCA risks capacity limitations, reduced performance, and system outages of MDM Solution. • Adverse effects include potential disruption of business operations, data loss, and increased financial burden |
| 14 | End of Life | Server | 137,249,751 | HCI Environment(Organic Growth) | 2027 | Purchase Order | <p>In case of any failures, we will not have any parts/replacements available resulting in service outage.</p> |
| 15 | End of Life | Network | 7,107,000 | Replacement of AccessPoints | 2027 | Purchase Order | <p>Provide wireless connectivity of users sitting at single location. Incase of any failures, we will not have any parts/replacements</p> |

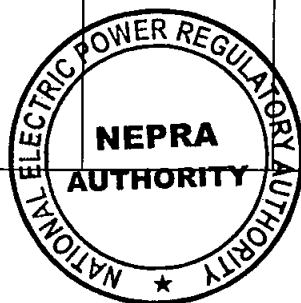
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| | | | | | | | |
|----|-------------|---------|-------------|---|------|----------------|---|
| | | | | | | | available resulting in service outage. |
| 16 | End of Life | Network | 81,941,694 | Replacement of Fortigate 1500D firewall | 2027 | Purchase Order | Firewall is currently protecting server to server communication at DR site(SCADA DC). This replacement is critical as it will compromise server level securities incase of failure. |
| 17 | End of Life | Network | 68,614,737 | Replacement of C2960 CISCO switch | 2027 | Purchase Order | In case of any failures, we will not have any parts/replacements available resulting in service outage. |
| 18 | End of Life | Network | 10,041,132 | Replacement of Wireless Controller | 2027 | Purchase Order | In case of failure,human intervention will increase resulting in more time in troubleshooting, problem identification and resolution. |
| 19 | End of Life | Network | 60,940,760 | Replacement of C3850 Cisco Switches | 2027 | Purchase Order | In case of any failures, we will not have any parts/replacements available resulting in service outage. |
| 20 | End of Life | Server | 2,935,854 | Internal Audit Server | 2027 | Purchase Order | If Tech refresh is not undertaken: • Increased risk of hardware failure • Reduced performance and reliability • Limited support and updates • Potential security vulnerabilities • Inability to meet growing demands |
| 21 | End of Life | Others | 30,351,006 | Misc Other Solution (EOL) | 2027 | Estimation | In case of any failures, we will not have any parts/replacements available resulting in service outage and impact of business operations. |
| 22 | End of Life | Network | 46,964,620 | Replacement of ASR Router | 2028 | Purchase Order | In case of failure , branches will not be able to connect to both data centers resulting in company wide outage. |
| 23 | End of Life | Server | 137,249,751 | HCI Environment(Organic Growth) | 2028 | Purchase Order | Incase of any failures, we will not have any parts/replacements available resulting in service outage. |
| 24 | End of Life | Network | 62,709,103 | Replacement of Fortigate 601E firewall (Scope Extended) | 2028 | Estimation | Incase of failure, VPN services will halt and users will not be able remotely through VPN. |
| 25 | End of Life | Network | 175,077,449 | Replacement of Huawei 48 Ports switch | 2028 | Purchase | In case of any failures, we will not have any parts/replacements |



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| | | | | | | | |
|----|-------------|-------------|-------------|--|------|---------------------|--|
| | | | | (Scope Extended) | | Order | available resulting in service outage. |
| 26 | End of Life | Server | 7,210,000 | GIS-ARCFM | 2028 | Estimation | If Tech refresh is not undertaken: • Increased risk of hardware failure • Reduced performance and reliability • Limited support and updates • Potential security vulnerabilities • Inability to meet growing demands |
| 27 | End of Life | Others | 303,879,076 | Misc Other Solution (EOL) | 2028 | Estimation | In case of any failures, we will not have any parts/replacements available resulting in service outage and impact of business operations. |
| 28 | End of Life | Server | 300,000,000 | Procurement of Huawei Kunlun (with 2 Years Extended Support) | 2028 | Estimation | • Post EOS dates, no support will be available from OEM i.e. no hardware replacements, firmware upgrades or software issue resolution. • Critical business services will be at risk without OEM Support. • Severe impacts on hosted SAP Solution and business service continuity. |
| 29 | End of Life | Server | 137,249,751 | HCI Environment(Organic Growth) | 2029 | Purchase Order | In case of any failures, we will not have any parts/replacements available resulting in service outage. |
| 30 | End of Life | SAN Storage | 297,355,232 | Unified Enterprise SAN Storages and Archiving Solutions | 2029 | Budgetary Quotation | <u>SAN Storage Effects:</u> EOS Hardware Stack i.e. IBM v9K running current SAP ECC (Billing, ERP & CRM) is EOS – EOS Dec, 2023 while EMC Unity is EOL while EOS is July,2025 Performance Degradation: 80% Storage Consumption which leads to performance degradation is faced in peak hours (occasionally) Business Fulfillment Issue: 80% Storage Consumption which leads to 'Limited Fulfillment for Business Needs' due to Capacity Constraints Storage Silos: Multiple storage farms with segregated capacity pools leading to storage wastage. <u>Archiving Solution Effects:</u> Absence of data archiving platform resulting into multiple data copies which are unprotected and no guarantee for data retrieval |

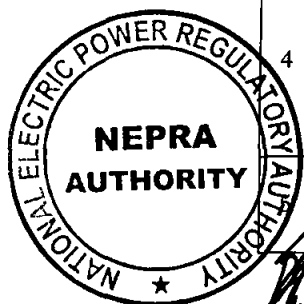


| | | | | | | | |
|----|-------------|---------|-------------|--|------|----------------|--|
| | | | | | | | b. Data Security Gap: Lack of data security for the archived data which is protected from loss, corruption, theft and compromise. c. Absence of ILM Data Repository: As per ILM (information life cycle) framework 3 Tier data repositories are missing i.e. SAN Storage (Online), Backup VTL(Offline) and Archiving Platform(Long Term) for data retention & governance. |
| 31 | End of Life | Network | 51,150,117 | Replacement of ISR Routers | 2029 | Purchase Order | These are access routers which allow one site/branch to connect to PTCL and SCADA DC. Incase of any outage , complete site/branch will be disconnected from KE DCs and service will disrupt completely. |
| 32 | End of Life | Others | 248,634,900 | Misc Other Solution (EOL) | 2029 | Estimation | In case of any failures, we will not have any parts/replacements available resulting in service outage and impact of business operations. |
| 33 | End of Life | Network | 68,614,737 | Replacement of C2960 CISCO switch | 2030 | Purchase Order | In case of any failures, we will not have any parts/replacements available resulting in service outage. |
| 34 | End of Life | Network | 87,538,725 | Replacement of Huawei 24 Ports switch (Scope Extended) | 2030 | Purchase Order | In case of any failures, we will not have any parts/replacements available resulting in service outage. |
| 35 | End of Life | Server | 137,249,751 | HCI Environment(Organic Growth) | 2030 | Purchase Order | In case of any failures, we will not have any parts/replacements available resulting in service outage. |
| 36 | End of Life | Others | 451,286,787 | Misc Other Solution (EOL) | 2030 | Estimation | In case of any failures, we will not have any parts/replacements available resulting in service outage and impact of business operations. |



Approved CAPEX Cost breakup of IT infrastructure enhancement and upgrade

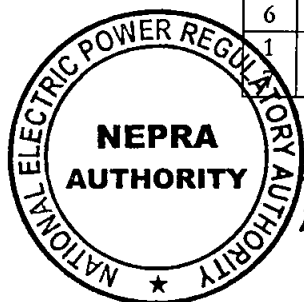
| I D | Category | Domain | Value (PKR) | Description | Replacem ent Due | Reference | Impact - If Investment not made |
|--------|------------------------------|--------------------|----------------|--|---------------------|------------------------|---|
| 1 | Enhanceme nt / Upgrade | Backup | 213,536,716 | (New) Backup Solution (DELL/EMC) - Organic Growth and Expansion | 2024 | Budgetary Quotation | If capacity expansion is not provided: <ul style="list-style-type: none"> • Limited backup coverage for business solutions • Increased risk of data loss • Inability to accommodate growing business needs • Potential disruptions to business operations • Strain on existing backup resources • Reduced system performance and reliability |
| 2 | Enhanceme nt / Upgrade | RPA | 85,471,048 | RPA (Robotic Process Automation) enhancement with 23 Attended and 23 unattended bots | 2024 | Budgetary Quotation | There are operational tasks in KE which requires continuous engagement of human resources on daily basis .This leads to under- utilized, under-performing & inefficient teams. People are engaged in Mundane/clerical/repeatable tasks which is not the best use of their time. In case of no automation, more productive hours of resources will be used in tidious, repetitative works resulting in over burden and under productive employees. |
| 3 | New | WMS | 150,586,000 | SD-WAN Solution & Wireless Monitoring Solution | 2024 | Budgetary Quotation | Inefficient use of costly DC resources; increased financial costs and man-hours with less security. |
| 4 | New | Cloud Migration | 20,740,442 | Consultancy of Cloud Migration | 2024 | Estimation | Since we are moving towards cloud on SAP front, it is imperative that associated applications are also migrated in conjunction to avoid unnecessary delays in Application connection which may result in degraded customer experience and revenue loss. |
| | Enhanceme nt / Upgrade | KE Live | 23,895,794 | KE Live portal Revamp | 2024 | Purchase Order | Performance Challenges |



| | | | | | | | |
|----|-----------------------|-----------------|------------|--|------|------------|---|
| 6 | New | Cloud Migration | 82,400,000 | Gradual migration of VMware workload to cloud, starting from 2024 to 2030. | 2025 | Estimation | Since we are moving towards cloud on SAP front, it is imperative that associated applications are also migrated in conjunction to avoid unnecessary delays in Application connection which may result in degraded customer experience and revenue loss. |
| 7 | New | Other Software | 18,128,000 | Centralize Linux patching, security hardening Support | 2025 | Estimation | No centralized tool for diverse Linux install base (~60+). |
| 8 | New | Virtualization | 10,300,000 | Signavio Process Insights and BPM | 2025 | Estimation | Currently IT don't have any tool to provide data driven insights which help business with their process improvement and automation opportunities. |
| 9 | Enhancement / Upgrade | Other Software | 20,600,000 | MMR Application Revamp | 2025 | Estimation | Outdated application with integration challenges. |
| 10 | New | Other Software | 30,900,000 | SAP TDMS Lic | 2025 | Estimation | No testing environment available. All testing is performed on production environment causing delay in timelines and milestones. |
| 11 | New | Other Software | 4,326,000 | VMware Site Recovery Manager 8 | 2025 | Estimation | Enhance recovery capabilities for Tier-1 machines. Only 25 out of 75 Tier-1 machines can be recovered in case of disaster. Acquire 50 additional licenses to ensure comprehensive recovery for all Tier-1 machines. |

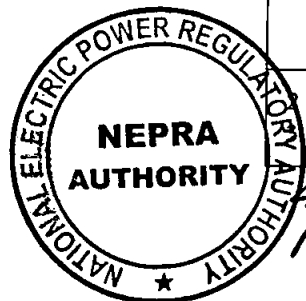


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|--------|-----|-----------------|-------------|--|------|---------------------|--|
| 1 2 | New | Data Center | 323,889,140 | Construciton of New Data Center | 2025 | Budgetary Quotation | Currently IT is facing challenges in existing data center including: * Spaces Issues * Cooling and Water Leakage Issues * Fire Suppression Issues * Power Issues * Cable Management Issues * Environment issues There have been 100+ incidents of equipment failure recently due to environmental challenges. Deferement of project will result in more number of equipment failures. Principal vendors including Oracle, IBM, CISCO etc has reported current environment as sub-standard for equipment operations. |
| 1 3 | New | Others | 165,696,860 | Misc Other Solution (EOL) | 2025 | Estimation | Misc Enhancement / new Y-o-Y requirement of Hardware & Software. |
| 1 4 | New | Licenses | 103,000,000 | SAP TDMS Licenses | 2026 | Estimation | SAP TDMS for testing on updated data is required as currently we have +30TB of data on SAP with no replication or testing environment for project. Currently project based testing is performed with Live SAP environment which isnt only risk but also results in prolong project timelines and delays. |
| 1 5 | New | Cloud Migration | 82,400,000 | Gradual migration of VMware workload to cloud, starting from 2024 to 2030. | 2026 | Estimation | Since we are moving towards cloud on SAP front, it is imperative that associated applications are also migrated in conjunction to avoid unnecessary delays in Application connection which may result in degraded customer experience and revenue loss. |
| 1 6 | New | Other Software | 20,600,000 | SAP Investment Management Lic | 2026 | Estimation | Poor decision making to develop and manage investment plans and investment budget. |
| 1 7 | New | Others | 220,700,000 | Misc Other Solution (EOL) | 2026 | Estimation | Misc Enhancement / new Y-o-Y requirement of Hardware & Software. |



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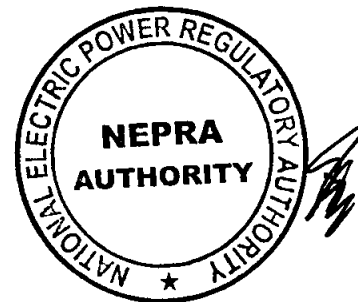
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|----|-----------------------|-----------------|-------------|--|------|---------------------|---|
| 18 | New | Cloud Migration | 82,400,000 | Gradual migration of VMware workload to cloud, starting from 2024 to 2030. | 2027 | Estimation | Since we are moving towards cloud on SAP front, it is imperative that associated applications are also migrated in conjunction to avoid unnecessary delays in Application connection which may result in degraded customer experience and revenue loss. |
| 19 | New | Others | 107,120,000 | Misc Other Solution (EOL) | 2027 | Estimation | Misc Enhancement / new Y-o-Y requirement of Hardware & Software. |
| 20 | New | Cloud Migration | 25,150,000 | Gradual migration of VMware workload to cloud, starting from 2024 to 2030. | 2028 | Estimation | Since we are moving towards cloud on SAP front, it is imperative that associated applications are also migrated in conjunction to avoid unnecessary delays in Application connection which may result in degraded customer experience and revenue loss. |
| 21 | New | Virtualization | 309,000,000 | CISCO ACI | 2028 | Budgetary Quotation | L2 Elasticity between DC Network Service Localization (any service anywhere) Business Continuity without interruption Disaster Avoidance - ability to absorb the impact in case of a disaster in main DC and provide an acceptable level of service Reduce OPEX integrations with other technologies (integration with VMware, with K8 etc etc) and service chaining. |
| 22 | Enhancement / Upgrade | Backup | 184,337,825 | Backup Solution (DELL/EMC) | 2030 | Purchase Order | If capacity expansion is not provided: • Limited backup coverage for business solutions • Increased risk of data loss • Inability to accommodate growing business needs • Potential disruptions to business operations • Strain on existing backup resources • Reduced system performance and reliability |
| | New | ERP | 11,038,607 | Procurement of SAP User ERP Licenses | 2029 | Purchase Order | In case of deferment, New Business users will not be able to connect to SAP environment resulting in revenue loss and project delays. |



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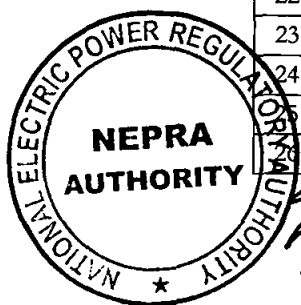
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| | | | | | | | |
|--------|-----|-------------------------------|-------------|--|------|---------------------|---|
| 2 4 | New | Cloud Migration | 82,400,000 | Gradual migration of VMware workload to cloud, starting from 2024 to 2030. | 2029 | Estimation | Since we are moving towards cloud on SAP front, it is imperative that associated applications are also migrated in conjunction to avoid unnecessary delays in Application connection which may result in degraded customer experience and revenue loss. |
| 2 5 | New | Analytics Upgrade / Data Lake | 576,800,000 | Analytics Upgrade / Data Lake | 2029 | Budgetary Quotation | Ineffective reporting due to unavailability of data. Lack of unified approach towards business data analysis by different departments, resulting in data inconsistency issues. Uncertainties about data quality and accuracy are causing KE executive managers and business managers to question the veracity/reliability of reports. BI reporting against production databases delays nightly or end-of-the-month processing of transaction data, requiring the processing windows to be extended. Ineffective data analysis, visualization and decision-making capability for senior management and executive management. |
| 2 6 | New | Others | 67,371,393 | Misc Other Solution (EOL) | 2029 | Estimation | Misc Enhancement / new Y-o-Y requirement of Hardware & Software. |
| 2 7 | New | Cloud Migration | 35,162,175 | Gradual migration of VMware workload to cloud, starting from 2024 to 2030. | 2030 | Estimation | Since we are moving towards cloud on SAP front, it is imperative that associated applications are also migrated in conjunction to avoid unnecessary delays in Application connection which may result in degraded customer experience and revenue loss. |

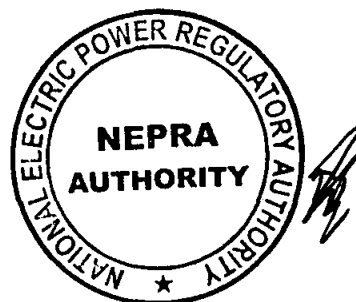


Approved CAPEX for Cyber Security (Million Rs.) (FCC)

| ID | Category | Project Description | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | FY 29 | FY 30 |
|----|------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|
| 1 | Cyber Defense & Security operation | Manage Detection Response | - | 14 | - | - | 21 | 14 | - |
| 2 | Cyber Defense & Security operation | Threat Intelligence | - | - | 14 | - | 8 | 8 | 8 |
| 3 | Cyber Defense & Security operation | Security Information Event Management | 58 | - | - | 62 | - | - | - |
| 4 | Cyber Defense & Security operation | SOAR (Security Orchestration, Automation & Response) | - | 70 | - | - | - | - | 70 |
| 5 | Cyber Defense & Security operation | User Entity Behaviour Analytics | - | 8 | - | - | - | 8 | - |
| 6 | Cyber Defense & Security operation | DNS Security (Domain Name System) | - | - | - | 21 | 19 | - | - |
| 7 | Cyber Defense & Security operation | OT SOC (Security Operating Center) | - | 12 | - | - | - | - | 12 |
| 8 | Identity & Access Management | Privelege Access Management | - | 14 | - | - | 14 | - | - |
| 9 | Identity & Access Management | IGS (Investigation & Guard Services) | - | - | - | 103 | - | 31 | - |
| 10 | Identity & Access Management | SSO (Single Sign On) | - | - | 29 | - | - | - | - |
| 11 | Identity & Access Management | CASB (Cloud Access Security Broker) | 29 | - | - | - | 41 | - | - |
| 12 | End User & Network Defense | Vectra NDR (Network Detection & Response) | - | - | - | 19 | - | - | 41 |
| 13 | End User & Network Defense | AMPS (Advance Malware Protection) | - | - | 45 | - | - | - | 45 |
| 14 | End User & Network Defense | EDR (End-Point Detection Response) | - | - | - | - | 41 | - | - |
| 15 | End User & Network Defense | WIPS (Wireless Intrusion Prevention System) | - | 6 | - | - | - | - | - |
| 16 | End User & Network Defense | Email Security | - | - | 89 | - | - | - | - |
| 17 | End User & Network Defense | FIM (File Integrity Monitoring) | - | - | - | - | 7 | - | - |
| 18 | End User & Network Defense | Antivirus | - | - | 21 | - | - | - | - |
| 19 | End User & Network Defense | DLP (Data Loss Prevention) | 14 | 43 | - | - | - | - | 43 |
| 20 | End User & Network Defense | VPN Boxes | 4 | - | - | 10 | - | 4 | - |
| 21 | End User & Network Defense | Database Security | - | 25 | - | - | - | - | 25 |
| 22 | Application Security | WAF (Web Application Firewall) | - | 37 | - | - | - | - | 37 |
| 23 | Application Security | Cloud Security | - | - | - | - | 103 | - | - |
| 24 | Application Security | API Security (Application Programming Interface) | 6 | - | - | - | - | 6 | - |
| | Application Security | Software Sec. Assessment | - | 8 | 8 | 8 | 8 | 8 | 8 |
| | Application Security | Mobile App Security | - | 10 | - | - | 10 | - | - |



| | | | | | | | | | |
|----|---|--|-----|----|-----|-----|----|-----|-----|
| 27 | Threat Risk and Vulnerability Assessments | Tenable | - | - | 21 | - | 41 | - | 21 |
| 28 | Threat Risk and Vulnerability Assessments | Netsparker | - | 6 | - | - | - | - | 6 |
| 29 | Threat Risk and Vulnerability Assessments | Metasploit | - | - | - | 4 | - | - | 4 |
| 30 | Threat Risk and Vulnerability Assessments | Nipper Studio | - | - | - | 2 | - | - | - |
| 31 | Threat Risk and Vulnerability Assessments | OT TVM (Threat and Vulnerability Management) | 103 | 34 | - | - | - | 103 | - |
| 32 | Security Awareness, Governance & Compliance | Cyber Awareness Solution | - | 10 | - | - | - | - | 10 |
| 33 | Security Awareness, Governance & Compliance | OT-IEC62443 Consultancy | - | - | - | - | - | 82 | - |
| 34 | Security Awareness, Governance & Compliance | CIS CAT Pro | - | - | - | - | 2 | - | - |
| 35 | Security Awareness, Governance & Compliance | IS GRC | - | - | - | 4 | 4 | 4 | - |
| 36 | Incident Management | CIRA Solution / Tool | 8 | - | - | - | 8 | - | 8 |
| 37 | Incident Management | Cyber Insurance | - | - | - | - | - | 134 | - |
| 38 | Incident Management | OT Cyber Security Assessment | - | - | - | 124 | - | - | 124 |
| 39 | Incident Management | Cyber Squatting | 8 | - | - | - | 10 | 10 | - |
| 40 | Incident Management | OT OEM VAPT (Vulnerability Assessment and Penetration Testing) | 19 | - | - | - | 21 | - | - |
| 41 | Others | Misc Software & Tool | - | - | 113 | 34 | 71 | 36 | 32 |



Approved CAPEX for property regularization and renovations of offices (Million Rs.)

| Description | FY-24 | FY-25 | FY-26 | FY-27 | FY-28 | FY-29 | FY-30 | Total |
|-------------------------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| Property Regularization | 95 | 136 | 127 | 126 | 124 | 140 | - | 749 |
| Civil Projects / AC Furniture | 149 | 149 | 149 | 149 | 149 | 156 | 156 | 1,054 |
| Total | 244 | 285 | 276 | 275 | 273 | 295 | 156 | 1,803 |

Civil MYT Breakup

| | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|
| Office Rehab / Renovation Works | 119 | 119 | 119 | 119 | 119 | 125 | 125 | 843 |
| Furniture & Fixture | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 105 |
| Air Conditioner | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 105 |
| Note : The approved amount is in LCC | | | | | | | | |

Approved CAPEX for procurement of New Laptops and Replacements of Laptops (Million Rs.)

| Head | Description | Unit | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | Total |
|--------------------------------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| Laptops (New and Replacements) | Qty | Nos | 1,233 | 1,167 | 1,733 | 1,167 | 1,005 | 669 | 669 | 7,644 |
| | Cost | Mil. Rs | 370 | 350 | 520 | 350 | 302 | 201 | 201 | 2,293 |

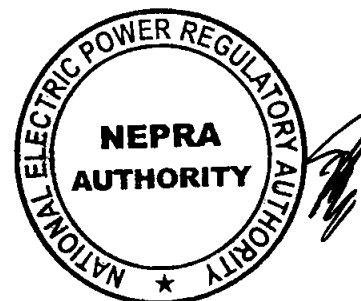
Note: The approved amount is in LCC.

Approved CAPEX for purchase of new LCDs/other IT equipment and other business specific software (Million Rs.)

| Head | Unit | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | Total |
|--|---------------|---------|---------|---------|---------|---------|---------|---------|-------|
| Other it equipment (LCD, Computer Accessories) | Million Rs | 10 | 10 | 10 | 10 | 10 | 15 | 15 | 80 |
| Business specific software | Million Rs | 168 | 40 | 48 | 55 | 53 | 60 | 58 | 482 |

The approved amount is in LCC.

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