

— SAT — I
 R — SACT (Ch)
 — DG (MSE) — Dir (Ch)
 6-2026 Petition — MF
 4-Miccasa Centre, Sir

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APR 1977
DDF-VI

Senior Advisor - Tariff
By No. 5-9
Date: 12-7-16

- 7/137
11-87-16

iv) In existing Tariff, a working capital component NOT NEEDED to include to cover late payments by Government Entities and GoP in respect of Tariff Differential Subsidy (TDS) Claims due to circular debts. NOTE:- KE does hold payment of SSGC Ltd & PSO against GoP dues more than KE receivables from GoP, AS SUCH no additional cost arises on borrowings. KE Wrongly Contended at Page 37 of MYT Petition.

v) Critical Objection on Request to grant provision on FORCE MAJEURE TARIFF. Earthquake, Floods & Acts of Terrorism never occurred to KE system, KE Grids & Feeders are in poorest condition, Few drops of Rainfall occurred Major Black Out TRIPPING in moments. Adoption of Protective & Safety measures of Supply & Public lives & Property is part & partial of Electricity Act-1910 Chapter V u/s 39, 40 & 41. EXISTED TARIFF ASSUMES INCLUSIVE of IT.

THIS REQUEST IS LIABLE TO BE REJECTED.

(3) With Reference of KE MYT Petition at Page-37 of 52 Pasban States as under:-

Pasban – Abubaker Usman contesting that Current Bench Mark of 15 % T & D is extremely High Level ratio liable to be modify and recommended that IT SHOULD BE AT 3% flat rate till NEXT MTY TARIFF. Consumers are suffering Seriously Monetary Burden without prima-facie grounds. KE admits to reduce T&D LOSS FROM 35.9% 23.7% till FY-2015, as such KE efforts succeeded in reducing T&D Loss to 12.2%, in same manner KE efforts can fetch Bench Mark to REDUCE IT AT 3% FOR NEXT MYT. PASBAN contention is relied on NEPRA Decision of 3% T&D LOSS in matter of QADIR TEXTILE MILL – CHAKWAL Complaint # IESCO 80/2012, Date of Hearing 13-02-2013.

WITHOUT PREJUDICE TO ABOVE, PASBAN HERE UNDER PROPOSED FURTHER:-

(1) Now Late Payment Surcharge is 10%. Is at Very High Level. LPS shall be reduced at 02%

(2) FIX CHARGES TARIFF on Bulk Consumer of TARIFF B2-IB and upward liable to be ELEMENTE in larger interest & SUPPORT of INDUSTRIAL CONSUMER, LEVY OF FIX CHARGES IS LOAD RESERVATION COST OF POWER subject to be imposed to COMPENSATE DISCO, IF RESERVED LOAD IS NOT UTILIZED by CONSUMER. Relied on High Court reported citation # NLR 1989 Civil BWP 295 OBSERVATION:- FIXED CHARGES CAN BE RECOVERED ONLY WHEN ELECTRICITY IS NOT CONSUMED.

Comments:- Whereas KE is recovering FIX CHARGES @ 400/= Per Kw on MDI consumed. Reverse act of KE in Violation of LAW CITIATION. Industrialist are suffering from LOAD SHEDDING & outages under pretext of Fault inspite of holding RESERVED LOAD, Whereas KE shall supply RESERVED LOAD to Consumers of B2-IB & upward. Reserved RAILWAY Or AIR FLIGHT Seats are compulsorily awarded to PASSENGER.

(3) Now KE providing COMPLAINT REGISTRATION SERVICE ON PHONE # 118 AT THE COST OF CONSUMER.

WHEREAS Under Licensing (Generation Rules-2003) Part-IV (2) (c) TOLL FREE COMPLAINT shall be awarded to Consumer. Violation is barred by FINES RULES 2002 read with Rule 3/9. HEREBY PASBAN recommend to include terms in next MYT to provide TOLL FREE COMPLAINT REGISTRATION FACILITY TO CONSUMER.

P R A Y E R

It is prayed that NEPRA may kindly maintain balance between the INTEREST OF CONSUMER & DISCO with broad economic social policy objective of GoP and NEPRA shall protect interest of consumer U/s (07) & (06) of Neptra Act -1997. Admit Intervenor Further contesting argument will be advanced at the time of hearing.

THIS PRAYER IS MADE IN THE INTEREST OF JUSTICE.

KARACHI DATED 04-07-2016

Intervenor : Abubaker Usman – Director Public Issues Pasban Pakistan 0333-2149079



15/7/2016

Senior Advisor: Tariq
By No. 5955
Date: 18-7-16

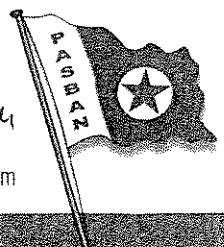
Intervener Fees pay order of
Rs=300/- is attached on
behalf of PASBAN ABUBAKAR USMAN
in respect of KE MYT 2016/26
to Participate in hearing
Please acknowledge. Thanks

Registrar	7289
By No.	
Dated	15-07-16

to inb51
Abubakar Usman
0333-2449079

For information &
M.A.
15/07/16
— D/Rg-I/AR
GHA.
— SAT-I
— M/F

18/7
ADP(7)
ADP DDE-V1



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For information & copy
 — SAT/1
 — SA (Tech)
 — DG (MSE)
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Ref. No. RA&SP/NEPRA/193
 Dated: August 26, 2016

The Registrar
 National Electric Power Regulatory Authority
 Islamabad

Subject: Intervention request regarding the proceedings of K-Electric's Multi-Year Tariff (MYT) Petition for the period commencing from July 1, 2016 to June 30, 2026.

Dear Sir

This is with reference to letter no. NEPRA/SAT-1/TRF-362/10664 dated August 1, 2016. Our response on the comments of Mr. Abu Bakr Usman to the subject petition are given below:

Period of Multi Year Tariff

K-Electric (KE) is an integrated utility having overall responsibility for developing and managing the power infrastructure in Karachi. KE, unlike other generation and distribution companies, has to carry out end to end planning of the city's energy system without any sovereign guarantee or GOP support.

The electricity supply industry is characterized by long-term capital investments. This is especially true for generation and transmission investments (where NEPRA already allows long term tariff). This is because generation and transmission projects essentially require long term planning and involve long gestation periods. As an integrated utility, KE needs to plan for the long term and it requires a longer tariff control period to support its planning horizon.

Long tenor and regulatory certainty are essential to give investors and lenders the transparency and confidence necessary to make such long term investments. KE has been able to secure 10 year loans on the basis of a continued I-MYT tariff. A longer tariff control period will provide lenders with the necessary comfort that debt will be repaid.

With respect to impact of economic components, the impact of change in these components such as fuel price and CPI is already accounted for in KE's tariff mechanism. Fuel price variation on account of own generation and power purchase cost is passed through in the tariff and O&M indexation is allowed every year based on the current CPI increase.

Increase in O&M component (Point 1 on page 1)

Increase in capacity and efficiency (Para 1, 1(d) and 1(f))

As stipulated in the tariff petition, KE has prepared a comprehensive business plan for next 10 years to meet the growing energy demand of the city. This includes addition of new generation plants, grid stations, transmission lines, feeders and power lines. Along with the addition of capacity, KE has also planned to improve the performance of power system through investments in maintenance and upgradation of existing generation plants as well as transmission and distribution infrastructure. Further, various distribution initiatives are included in the business plan to reduce the losses and improve the recovery ratio.

Registrar
 Dy No. 8622
 Dated: 30-08-16

Late payment surcharge (point 1 on page 2)

Late payment surcharge is a deterrent to avoid late payments and is not compounded as mark-up, instead it's just one time penalty to discourage non/late-payment. Given city's dynamics and challenges, KE is already facing low recovery issues especially in certain high loss areas mentioned above. KE has not asked for any increase in LPS % in these circumstances, however, reduction in % of LPS would encourage non/late payments.

Further, LPS is being charged in accordance with NEPRA's rules and regulations.

Fix charges from Industrial consumers (Point 2 on page 2)

Fixed charges are charged to industrial consumers on the basis of "Billing Demand" to compensate for the load used by high load consumers.

Billing demand was previously defined as the higher of actual maximum demand recorded during the month or fifty percent of total sanctioned load or connected load (whichever is higher). However, since 2011 the formula for computing fixed charges has been changed by NEPRA to ensure that it is billed based on actual maximum load utilized by the consumer. Therefore, the apprehension by intervener that even after charging fixed load, the load is not provided to consumer is incorrect as fixed charges are billed based on maximum utilization by customer.

With respect to load shed, KE maintains a zero load shed policy for industrial zones and has kept the industry free from experiencing load shedding since 2010. There are outages due to faults or maintenance work, however, these cannot be construed as load shedding under pretext of fault. Further, the fault rates have considerably reduced since last few years.

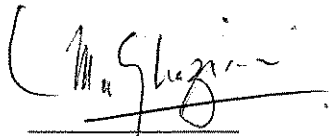
Further, with respect to minimum charges payable against reservation of load, these are only levied in case electricity bill of the consumer is below the threshold defined in Schedule of Tariff.

118 response center (Point 3 on page 2)

KE has set up state of the art 118 Response center through which service representatives are available round the clock to assist consumers with different types of complaints and queries. KE doesn't charge any amount to consumers for these services.

We hope that the above responses have addressed the concerns of the intervener.

Sincerely,



M. Aamir Ghaziani
Director (Finance & Regulations)

NATIONAL ELECTRIC POWER REGULATORY AUTHORITY (NEPRA)
ISLAMABAD

DDA VI
18/7/16
19/7

For information &
- Reg-I/AR
Cdn

- SA (T)-I

INTERVENTION REQUEST

IN

MULTIYEAR TARIFF PETITION FILED BY K-ELECTRIC LIMITED (K-ELECTRIC) FOR DETERMINATION OF TARIFF FOR THE PERIOD COMMENCING FROM JULY 01, 2016 TO JUNE 30, 2026.

AFFIDAVIT

of MR. ADIL GILANI, Chairman, Whistleblower Pakistan, 72-F/II, Jami Commercial Street No.9, Phase-VII, Defense Housing Authority, Karachi

I, the above named deponent, do hereby state on oath as under:

That the facts stated in the accompanying Intervention Request are correct to the best of my knowledge.

Verification:

Verified on oath at Karachi on this 12 day of July, 2016 that the contents of the above affidavit are correct and true to the best of my knowledge and that nothing material has knowingly been concealed therein.

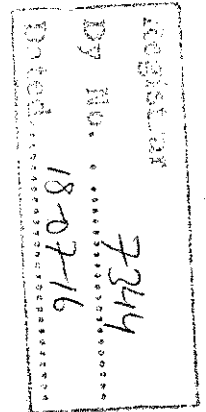
Deponent

Deponent

REGISTRAR
By No. 7251
Dated 15-07-16

Date: 19-7-16

5998

BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY
ISLAMABADINTERVENTION REQUEST
INMultiyear Tariff Petition Filed by K-Electric Limited (K-Electric) For
Determination of Tariff for the Period Commencing
from July 01, 2016 to June 30, 2026.

Mr. Jamil *DDP* *AD* *5* *2017* *917* *For information & info*

Name/Address	Adil Gilani, Chairman, Whistleblower Pakistan, 72-F/II, Jami Commercial Street No.9, Phase-VII, Defense Housing Authority, Karachi
Manner in which Intervener is likely to be affected by any determination in the proceeding	At the very outset Whistleblower, Pakistan would like to place it on record that Tariff Petition should have been filed, processed and concluded before expiry of the existing Multiyear Tariff. Unfortunately same could not have happened. Further, the Publication time of the advertisement of this Tariff Petition and allowed time for Intervention Request was chosen in such a way to discourage the stakeholder to participate meaningfully. It is important to mention that among 15 days allowed time to file Intervention Request, more than 8 days are holidays due to Eid-ul-Fitar. K-Electric has requested the Authority to extend the applicability period of existing Tariff till June 30, 2016 along with some Modification/Adjustments thereto. The requested Modification/Adjustments not only will result in increase in electricity Tariff for the consumers of K-Electric but also expose them to several risks. The Intervener is a concerned citizen of Pakistan and the consumer of electricity being supplied by K-Electric. The Intervener and other consumers of K-Electric has serious grievance against the K-Electric.

18-07-16
re: chairman
VC/M(T)
M(LU)
M(CT)

Senior Advisor Tariff
DDP
5995
Date: 19-7-16

Being the concerned citizen of Pakistan, the Karachites have already submitted several Petitions before various forums (Honorable Courts, FIA, NAB, NEPRA, SECP, etc.) and highlighted the serious irregularities that they have observed in the process of Privatization and Operation of the Utility in Post Privatization Period. Some of these observations were compiled and forwarded to NEPRA vide Whistleblower, Pakistan's letter of March 15, 2016. Since none of the observation was addressed therefore, Whistleblower, Pakistan is making that more than 150 pages letter as one of the important document to this Intervention.

From the operation of the K-Electric during last 11 years it is clear that the privatization of K-Electric neither benefitted the National Exchequer nor to the electricity consumers of Karachi. The only beneficiaries of this privatization are few people which owe this Utility. The privatization of K-Electric has burdened the National Exchequer and the consumers of electricity in Karachi.

The strict monopoly of K-Electric in Karachi and the operation of the Utility in non-prudent manner has not only caused serious financial and economic losses to Pakistan but also created a serious social disorder situation in Karachi. The failure of all concerned regulating agencies, specially the NEPRA, to regulate K-Electric is not the hidden story. Purchases of K-Electric from NTDC and its payment mechanism, Purchases of Gas by K-Electric from Sui Southern Gas Company (SSGC) and its mechanism, litigation of K-Electric against the decision of NEPRA and NEPRA's indifferent attitude in these litigation cases and others are few examples of K-Electric highhandedness.

Whistleblower, Pakistan doesn't know that what force or miracle K-Electric has that all Regulating Agencies especially the NEPRA kept its eyes closed on its wrong doings. It is not only that NEPRA kept its eyes closed on wrong doings of K-Electric but at several occasions one can witness that role of NEPRA, either by action or in-action or in-appropriate action

was in support of K-Electric to continue with that wrong doings which is adversely burdening the electricity consumers, National Exchequer and economy of the state. These actions in the eyes of Whistleblower, Pakistan is nothing but tantamount to de-stabilize the State economically. Terrorism, un-employment, social dis-order are few off-shot of the economical terrorism.

Several time stakeholders requested NEPRA to provide the list of litigation cases in which K-Electric has obtained the relief through injunctive orders and what effort NEPRA has made to get these cases decided at their earliest as the status quo in these cases are causing serious financial losses of the consumers of electricity, economic losses to Pakistan and gain to the K-Electric. Unfortunately, NEPRA did not deemed it appropriate to provide the requested information and take any action in the matter. This needs to understand that being an specialized nature of electricity business Courts do not know the consequence of various actions unless they were assisted on these issues in proper and comprehensive manner. The in-activeness of one affected stakeholder, on the wrong doings of K-Electric, i.e. the electricity consumers, is understandable that they may not have the adequate resources (qualification, Finance, Time etc.) but the in-activeness of the State, which is represented by the Regulator i.e. NEPRA, is not understandable. However, the ultimate result of these in-actions or in-appropriate actions is that K-Electric is gaining the undue profit by using illegal, imprudent, immoral means at the cost of electricity consumers and the state economy.

The K-Electric has filed the Petition under the provisions of NEPRA Tariff (Standard and Procedure) Rules, 1998. NEPRA has also approved the Guidelines to file the Tariff Petition. Further, in recent past NEPRA has also processed and finalized the MYT Determination for several Ex-WAPDA Distribution Companies. The set of information to be provided along with the Tariff Petition is clearly provided but K-Electric has not provided this information along with its Tariff Petition.

Whistleblower, Pakistan would like to draw the attention of the

Authority that NEPRA itself, more than once in Public hearings in Karachi, has instructed the K-Electric to apply for separate Tariff Petition for its Generation Transmission and Distribution Businesses. But now, why, NEPRA has admitted this Tariff Petition, Whistleblower, Pakistan is unable to understand this changed attitude of NEPRA.

Whistleblower, Pakistan would like to mention this fact that earlier WAPDA and KESC were both running their business as vertically integrated Utilities. In nineties, after a detailed study, it was decided to unbundle these three functions and as a result of these WAPDA Units were un-bundled while KESC business were not unbundled. Despite the opposition of the WAPDA's Strategic Plan for the Privatization of Pakistan Power Sector', K-Electric was privatized as vertically integrated Utility.

This vertically integrated Business Operations Model is not supportive of the competition. Furthermore, one single Tariff without the details of Generation and Transmission Tariffs separately, are confusing the stakeholders that where the Utility is earning and where it is losing meaning thereby that the consumers cannot judge the efficiency and inefficiency of different businesses. Thus, the vertically integrated Utility with one single Tariff is against the principles of Transparency and competition.

It is the reason that all stakeholders are surprised that how K-Electric is earning the profit in overall business whereas it's actual T&D losses is much more than its target losses and its collection of Revenue of the sold electricity is not 100%. The stakeholders want to know how much K-Electric has earned/lost from its Generation, Transmission and Distributing businesses. Undue earning from any of the single business and/or earning by using non-prudent practices is neither legally nor ethically justified.

Stakeholders, in past when there was a huge differential in cost of RFO and Gas based electricity, has several time brought their concern before NEPRA that what is the

mechanism to segregate the RFO and Gas based electricity Generation in the cases where RFO and Gas Fuels are burnt simultaneously to generate electricity. The Authority must be aware of the issue of swindling of RFO in cases of dual Fuel fired boiler of GENCOs.

Furthermore, it is also not known to the electricity consumers that what was the monthly/annual Revenue Requirement of K-Electric during last 10 years and how much it have earned, over/under, against its Revenue Requirement. Electricity consumers wants to know the per Unit Power Purchase Cost of K-Electric against its per Unit Power Sale Rate during its last 10 years.

Consumers of electricity also wants to know the impact on Revenue Requirement of K-Electric after limiting the slab rate benefit in end-consumer Tariff to only up to one previous slab instead of all previous slabs as was allowed in the past.

Furthermore, the electricity consumers also want to know the impact on Revenue Requirement of K-Electric on limiting the benefit of Fuel Price Adjustment to the consumers using electricity up to 300 units or less. This benefit was earlier allowed to the all categories of consumers except life line (using up to 50 units) and Agriculture consumers.

It is also a fact that separate licenses for Generation, Transmission and Distribution has been granted to K-Electric. Furthermore, it is also a fact that the licensee can charge only such Tariff which is approved by NEPRA and notified in the Gazette. This is also requires that K-Electric should be given separate Tariff for all of its businesses.

The electricity consumers of K-Electric also wants to know that how much they have lost and on account of dismantling/non-using of Korangi Gas Turbine and Site Gas Turbine Power Plants after induction of Aggreko Rental Power Plants. It is worth mentioning that the cost of Power Purchase from old (in-efficient) Korangi Gas Turbine and Site Gas Turbine were around Rs.6.50/kWh but the Power Purchase

Cost from Aggreko Rental Power Plant was in the range of Rs.9-10/kWh. Whistleblower, Pakistan is unable to understand why NEPRA has not carried out audit on this account. The comparison of Power Purchase Cost of various Power Plants supplying electricity to K-Electric and K-Electric's own Power Plants has been complied and attached with this Intervention Request.

The consumers of electricity also wants to know that how much K-Electric has so far given loss to the electricity consumers, National Exchequer and economy of Pakistan on account of operating its Gas based Power Plants on open Cycle Mode.

Furthermore, the consumers of electricity also wants to know that why, even conversion of the Gas based Power Plants of K-Electric (Korangi, Site, Korangi combined) from Open Cycle Mode to Closed Cycle Mode, NEPRA has not revised the heat rate of these Power Plants? The consumers of K-Electric want to know that how much K-Electric has saved and is saving on this account.

One more fact which consumers of electricity could not be able to understand due to non-available information is that the Power Purchase Price in case of K-Electric is quite low mainly for the reasons that most of the K-Electric Generation was Gas based. Furthermore, it is getting 650MW electricity from NTDC/CPPA on a very cheap rate. Now days, the PPP of K-Electric may be in the range of Rs.4-5/kWh whereas it is charging its consumers to Rs.10-18/kWh (except of life line consumer, number of which are very small in K-Electric). The increase of Rs.5-12/kWh on account of Transmission and Distribution Tariff is not understandable. This is one more reason due to which it is essential that NEPRA should determine separate Tariff for K-Electric Generation, Distribution and Transmission Businesses. The Determination should be made in similar form as it is determining for IPPs Generation Companies, NTDC Transmission Company and XW Distribution Companies. Not Determining the Separate Tariff would be another of NEPRA to K-Electric. Non-

Transparency may not only lead to in-efficiency but can also open the doors of fraudulent activities by fictitious figures. All components of Businesses should be determined in such manner that can be verifiable and audited at any stage and there should be no element of ambiguity.

The details of wrong doings and not doings of K-Electric as per NEPRA Rules, Regulations, Determinations and Directions are given in detail in the attached letter. The Details of Monthly, Fuel & Plant wise Electricity Generation by K-Electric and Power Purchases from external sources has also been compiled and attached with this Intervention Request. The non-prudent use of resources is very obvious.

The Induction of Rental Power Plant by K-Electric, 650 MW Power Purchases from NTDC/CPPA, non-utilization of its own Power Plants, Operation of Power Plants in violation to Economic Merit Order, non-optimal use of primary Fuel (Gas and RFO), Operation of Power Plant on open cycle, Induction of lower efficiency Power Plants when higher efficiency Plants were available in the Market, preferring load-shedding over utilization of the Power Plants, observing load-shedding against legal Provisions, non-provision of Time of Use (TOU) meters, not passing on the benefit of claw back Mechanism, complaint of overbilling to their consumers, etc. are few factors on which loss to consumers/National Exchequer must reached to more than 1000 billion. The details of all such issues are given in the attached letter. The financial loss due to provision of 650 MW electricity to K-Electric by using high Cost Power Plants of CPPA Basket and keeping the cheaper Cost Power Plants of K-Electric Generation system shut is all alone more than 200 billion. Besides the financial loss the Economic loss to the State is due to non-prudent operation of K-Electric Utility Operation must be more than 1000 billion. Due to high cost of electricity and the non-prudent practices, that tantamount to 'Licensed Bhatta Mafia' culture the exports of the country are going on decreasing trend. Unfortunately, Pakistan could not be able to reap the fruit of low Oil prices in the International Market. Poverty and un-employment level in the country is increasing sharply which are causing the

	security and Law and Order situation in Pakistan generally and Karachi particularly. In the eyes of Whistleblower, Pakistan K-Electric is an economic threat to country and social threat to the electricity consumers of K-Electric. The facts submitted in the Writ Petition pending in the Supreme Court of Pakistan filed by Jamat-e-Islami should be an eye opener for all of us. Similarly, the figure of financial loss calculated by NEPRA and submitted in the Writ Petition in the matter of drawl of 650 MW electric Power by K-Electric from NTDC system before High Court of Sindh is also important. With regard to this Petition of K-Electric, Whistleblower, Pakistan is of the opinion that it is an attempt by K-Electric to hide the information to run the Utility in a non-transparent manner and to make and maximize the profit by using unethical, immoral, illegal and non-prudent means. The information submitted with the Petition is not sufficient to provide the meaningful comments. Processing of this Tariff Petition, with in-sufficient information, will be considered that NEPRA still wants to cover up the wrong doings of K-Electric. The K-Electric Tariff Petition should only be processed with the Forensic Audit Report to be carried out on the issues highlighted in this Intervention Request and in the letter and reports attached with this Intervention Request. NEPRA itself and/or in consultation with other stakeholders may also add the issues which it considers requires a Forensic Audit.
Relief Sought	Since the Authority has already announced it earlier, before the stakeholder in Public Hearing, that K-Electric shall file the Tariff Petition for its three businesses separately. Therefore, the K-Electric must be asked to file Tariff Petition for Generation, Transmission and Distribution businesses separately. K-Electric should be asked to submit the similar information as required under Tariff Rules and the Tariff Guidelines. The K-Electric should file its Tariff Petition with similar information as other XWDISCOs, GENCOs, NTDC and other IPPs are filing/submitting with their Petitions for determination of Generation, Transmission and Distribution

Tariff. The Integrated Generation, Transmission and Distribution Plan should be processed in same way as is given in Tariff Guidelines.

This Petition, in the instant form, of K-Electric should not be processed at all.

K-Electric should be directed to submit these Petitions within one month, failure to which NEPRA shall appoint Administrator in K-Electric with the task to gather/collect and provide the true information of all components to determine the Generation, Transmission and Distribution Tariff of K-Electric separately.

NEPRA should order for an immediate Forensic Audit of last ten years, each cost centre i.e. Generation, Transmission and Distribution. The amount of profit earned by K-Electric due to non-prudent practices must be taken back from K-Electric and returned to concerned stakeholders.

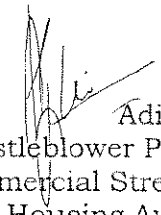
Inquiry on each issue which is highlighted in the Whistleblower, Pakistan's letter of 15 March 2016 should be carried immediately and report of the same should be made public.

Since the period of Multiyear Tariff of K-Electric has been expired and there is no Tariff which K-Electric can legally charge from its consumers, therefore, NEPRA should pass an immediate order under applicable provisions of its applicable Documents to restore the Tariff Determined by NEPRA in 2002.

Whistleblower, Pakistan is of the considered opinion that with all improvement during Post Privatization Period as being claimed by K-Electric, including 13 billion rupees Investment from Government of Pakistan after Privatization and allowing the indexation during the period, the next Multiyear Tariff on the components, other than Fuel Cost Component, should be much lower than the existing Multiyear Tariff.

	NEPRA is required to protect the electricity consumers of K-Electric and the Economy of Pakistan and more that of State from the exploitation of any Utility/Company. The importance of electricity issues, including its availability and affordability cannot be denied. The electricity Tariff is an issue of the Survival of any State and the Nation; this fact should not be ignored by NEPRA.
Brief of evidence (if any)	Given in the attached letter
Comments	Given in the attached letter


 (Adil Gilani)
 Chairman, Whistleblower Pakistan
 Intervenor


 Adil Gilani,
 Chairman, Whistleblower Pakistan,
 72-F/II, Jami Commercial Street No.9,
 Phase-VII, Defense Housing Authority,
 Karachi

Dated: 13.07.2016

Enclosure:

1. Detailed comments
2. Report -I
3. Report-II
4. Affidavit
5. Bank Draft

The Registrar
National Electric Power Regulatory Authority
Islamabad

Ref. No. RA&SP/NEPRA/199
Dated: September 16, 2016

Subject: Intervention request regarding the proceedings of K-Electric's Multi Year Tariff (MYT) Petition for the period commencing from July 1, 2016 to June 30, 2026.

Dear Sir

This is with reference to letter no. NEPRA/R/TRF-362/10526 dated July 26, 2016 on the captioned subject. Our para-wise response to the intervention submitted by Whistle Blower Pakistan, are given below:

KE's Tariff Structure

We would like to state that KE has a performance based tariff structure, the essence of which is that it self penalizes the entity for any inefficiency. Under this mechanism, the consumer does not have to bear the burden of inefficiency at the utility's end, rather the entity is incentivized to investment in order to improve efficiency, beat the benchmarks set by the Regulator and earn a reasonable return.

In cost plus tariff, the utility's revenue requirement is calculated along with a guaranteed return. If revenue requirement was calculated for KE in previous years, the tariff would have been higher as the company was incurring huge losses. Therefore, keeping the interest of the end consumers in mind, KE was given a performance based tariff which meant that it was not guaranteed any return and had to bear the burden of losses and could not increase the tariff to recoup its costs. It was only by improving generation efficiency and reducing T&D losses that KE was able to reduce costs and become profitable. Now as KE has become profitable, the consumers will benefit from reduction in tariff in the form of clawback.

Privatization

We would like to state that KE's privatization was done after full filling all requirements / approvals. It is important to note that KE was in a precarious financial situation before privatization and was incurring huge losses. This financial burden was being borne by GOP in form of operational subsidies provided to the company to keep it afloat.

After privatization, K-Electric has now completely changed from an unsustainable loss making entity to an efficiently run profitable utility. This was achieved by investment of Rs. 120.7 billion across the value chain since FY09 which increased the generation capacity by 1,037 MW, fleet efficiency increased from 30.4% to 37%, system resilience improved through the reduction of SAIDI by 861 minutes (40%) in last four years, and the reduction of SAIFI by 73% from FY09 to FY15. Further, transformer tripping reduced by 60% between FY09 and FY15, T&D losses reduced from 35.9% in FY09 to 23.7% in FY 15 and 61% of the city has been exempt from load shed. Industry has been kept load shed free since 2010, which has directly contributed to positive economic growth.

Monopoly, transparency & competition

With respect to competition, it is important to understand that Pakistan has an evolving power market which needs to address several hurdles before it moves towards a competitive structure. Like new IPPs which are given control periods of more than 20 years, KE's integrated tariff control period is also not an impediment in the process and KE is willing to work with the Regulator as the market develops and the power sector moves towards competition. In a country with a major supply deficit we feel facilitating investment in the power infrastructure is the first priority. Therefore, providing certainty to the investors through an integrated tariff and a control period of ten years is imperative to attract long tenure investment of PKR 496 billion.

Being an integrated power provider, KE is responsible for end to end planning for Karachi's power infrastructure and has the ability to plan better infrastructure growth and deliver better services. Power sector planning requires a more holistic approach. KE's integrated structure not only provides it with an added advantage in terms of planning but it also gives it the ability to invest at a cheaper rate in the absence of sovereign guarantee.

Having said that, an integrated tariff does not result in lack of transparency. It may be noted that where relevant NEPRA has already given separate operational performance benchmarks such as generation heat rate, auxiliary consumption and T&D losses. In addition, with audited financial statements that are publically available, KE has given all stakeholders significant visibility into its operations and finances. Moving forward, KE is willing to work with the Regulator to device segmental reporting procedures for each business unit to further enhance transparency.

Profits

KE's turnaround has been achieved through relentless dedication and commitment. In total, KE has invested over Rs. 120 billion across the value chain since 2009, including Rs. 81.4 billion in generation. This investment enabled the Utility to add 1,037 MW in the generation capacity and improve overall fleet efficiency from 30.4% in FY 09 to 37% in FY 15. As stated earlier there has been an increase in transmission capacity of 768 MVA (19.5%) and in distribution capacity of 2,351 MVA (55%) through enhancements in infrastructure. T&D losses reduced from 35.9% in FY 09 to 23.7% in FY 15. Further, there was a reduction in fault rates and transformer tripping, system resilience improved and consumers experienced better customer service through one-window solution in the form of Integrated Business Centers (IBC). All these measures resulted in KE recording its first profit in FY 2012 after several years and has been able to exempt 61% of the city from load shed to date.

It is important to understand that "high profit" is a relative term. KE has earned profit before tax of Rs. 1.7 billion to Rs. 15 billion in the last four years which translates into a return on capital & reserves ranging from 1% to 10% and a return on assets ranging from 1% to 8% in the last four years. These are lower than the current market returns as IPPs are being allowed dollar based IRR ranging from 15% to 17% (IRR of 22-23% in PKR terms). In spite of low profit, KE's shareholders did not take any dividends and preferred to re-invest all the profits back in the company to continue the improvement process.

We would further like to state that KE's financial statements, available to public, are duly audited and KE is compliant with all rules and regulations in this regard. Details of all material litigations are also disclosed in KE's financial statements as per the requirement and hence publically available.

It is pertinent to note that KE has been able to reduce T&D losses significantly over the last seven years (by 34% since FY 09) and even though they are still higher than the benchmark, an improvement of 34% has provided the business justified relief in form of profits. Further, as per the performance based tariff structure, the utility has the right to retain the earning arising from efficiency gains which is the incentive it gets to continuously invest in beating the benchmarks and improving service quality, especially when there is no guaranteed return on its investments.

While the performance based structure prevents the utility to pass on costs of inefficiencies to the consumers, the integrated structure provides the ability to absorb the costs through cross subsidizing the business segments and incur investments to improve the performance. Moreover, the tariff structure has an in-built protection mechanism to ensure that excess efficiency gains are shared with consumers in the form of clawback.

Separate tariff

In line with the vision of developing the best possible mode of functioning in the greater interest of customers, KE's management evaluated the option of unbundling the company which was also encouraged by NEPRA. KE started examining the benefits, feasibility and cost implications of unbundling and also engaged A. F. Ferguson & Co. (AFF) and PricewaterhouseCoopers LLP (PwC UK) to analyze the implications of unbundling. Based on the analysis, it was concluded that, unbundling in a current scenario (a) would not be the commercially and practically viable option; and (b) would result in an increase in cost in view of the associated issues.

It is pertinent to understand that KE is a unique organization. It has the overall responsibility for developing and managing the power infrastructure in Karachi. This means that unlike other generation and distribution companies, it has to carry out end to end planning of the city's energy system without any sovereign guarantee or GOP support. The integrated tariff structure provides the appetite for further investment and a bankable security structure to pave way for financing of the investment specifically in the absence of any GOP support. Further, the tariff structure has an in-built protection mechanism which ensures that excess efficiency gains are passed on to the end consumer in the form of clawback.

All the modifications/ adjustments requested in the tariff petition will enable KE, in the absence of sovereign guarantee and GOP support, to deliver its much needed business plan for the betterment of Karachi. The delivery of business plan will help to enhance the capacities inline with the growing demand, improve the performance and bring in efficiencies resulting in lower real tariffs in the long term.

Being an integrated utility, KE cannot be compared with other Ex-WAPDA DISCOs and NEPRA Tariff Guidelines formed for these DISCOs are not applicable to KE. Further, KE has already provided all the relevant support information required under NEPRA Tariff (Standard and Procedure) rules. It is important to note that KE is the only listed power utility in Pakistan and duly audited financial statements are

publically available. All relevant information and documents including daily generation, fuel costs, power purchase details etc are provided to NEPRA under different reporting mechanisms.

With respect to tariff charged to consumers, it should be noted that the tariff is to be determined for a "supply" of electric power services (whether generation, transmission or distribution) by one party to a different third party. For instance, the "supply" of electric power services takes place when a generating entity supplies electricity to a different entity engaged in transmission; when a transmission entity supplies electric power to a different entity engaged in distribution; or when a distribution entity supplies electricity to a consumer.

In the case of KE, the entire sequence is contained within one entity. In other words, KE itself generates, transmits and distributes electricity. The only time that there is a transaction between KE and a third party is when KE sells electricity to the end consumer. It therefore follows that there should be only one tariff applicable to KE, i.e. the tariff to be charged by KE from end consumers.

Dual fuel consumption

The intervener has raised concerns over measurement of fuel consumption in dual fuel plants. We would like to clarify that in all dual fuel plants, oil & gas are burnt simultaneously in the boiler. Fuel flow meters are installed on gas and FO supply lines that measure consumption of gas and furnace oil separately. The electricity generation is metered on the bus bar through energy meters.

Therefore there are no means of swindling in fuel consumption even if both fuels are being used simultaneously as the flow meters record the inflow of each fuel respectively.

Fuel cost adjustment related to upto 300 units

With respect to fuel price adjustment, negative adjustments are not passed to residential consumers with consumption below 300 units as per policy directive of MoW&P and in line with NEPRA's decision. However, the amount of Fuel Surcharge Adjustment (FSA) not passed to those consumers is deducted from the unrecovered cost in the quarterly variations, thereby adjusting the total tariff.

Old plants and Aggreko

Given the power shortage in 2009 and exhaustion of useful life of old plants with efficiency less than 20%, it was essential that new efficient plants be installed. Accordingly gas based plants were planned and installed on fast track basis and were commissioned from 2009 to 2012.

In the meantime, in order to provide a short term relief till the installation of new plants, KE entered into a power rental agreement with Aggreko in 2008. Two plants of 25MW each were brought online in December 2008 and March 2009, which provided a major relief to the city's energy need. These rental power plants were an interim solution to bridge the demand supply gap until the new plants come online and accordingly were decommissioned when new and efficient fuel plants were added to KE's own fleet.

The decision of dismantling the old inefficient plants and investment in new plants proved to be correct as these efficient combined cycle plants increased the generation capacity and helped to supply more power on same available gas through increased efficiency.

Generation – Combined cycle conversion and Heat Rate

KE's management installed four new generation plants since 2009 with installed capacity of over 1,000 MW. This initiative required huge investment and the same was planned keeping in view the demand supply situation and the life of existing plants. Therefore certain plants, such as GE Jenbechers, were installed on simple cycle based on the availability of funds and the construction timelines. However, those plants were also converted to combined cycle in due course.

KE's plants were acknowledged by reputable organizations. As an example, 90 MW GE Jenbecher Site and 90 ME GE Jenbecher Korangi were termed the 'Best Fast Track Project' and 'Best Plant in the Region' respectively by Asian Power magazine. KE's BQPS-II state of the art 560 MW gas power plant has also been widely praised and won the international award provided by IFC/The Economist.

With respect to intervenor's concern regarding saving on the account of combined cycle plants, we would like to state that KE has a performance based tariff structure. Under this mechanism, the utility has the right to retain the earning arising from efficiency gains which is the incentive it gets to continuously invest in outperforming the benchmarks and improving service quality, especially when there is no guaranteed return on its investments. However, the tariff structure has an in-built protection mechanism to ensure that excess efficiency gains are shared with consumers in the form of clawback.

Load shed policy

K-Electric has a well thought and considerate strategy for the citizens of Karachi. KE's Segmented Load shed (SLS) policy divides feeders based on their loss profile which is determined by the T&D losses and recovery ratios in any particular area. High Loss areas in Karachi face up to 7.5 hours of load shedding in the summer months (when energy demand is at its peak) whereas low loss areas face no load shedding whatsoever.

The success of the scheme is clear from the fact that there has been a shift of several areas from high loss to low loss. It is also relevant to point out that at the time when KE's SLS scheme was launched some years ago, there was unscheduled load shed across the board but due to consistent approach and application of the scheme across the city without any discrimination, around 61% of the city is exempted from load shed and there is a growing acceptance that stealing of electricity and illegal abstraction of electricity is a menace which affects all consumers of Karachi equally. Even otherwise this issue has been raised in various constitutional petitions / proceedings before the Honourable High Court of Sindh and elsewhere as the same is similarly sub-judice.

The SLS scheme has been so successful in Karachi, in terms of improving financial viability and consumer behavior that Ex-WAPDA DISCOs have also adopted this model, and the MoW&P has formally approved it as part of the National Power Policy 2013.

ToU meters

The matter of ToU is being discussed separately with NEPRA, and we request that it should be resolved as per the decision reached in respective discussions with NEPRA. KE also urges NEPRA to resolve TOU tariff issues with the issuance of this tariff determination.

Billing

All KE bills are issued in accordance with the relevant provisions read together with CSM. KE has instituted a centralized billing system under which meter readings are taken through Hand Held devices (HHU) which are connected to the systems. KE has installed controls at several levels to ensure correctness of data entered into the system through these devices. These controls limit the chances of discrepancies in the billing system.

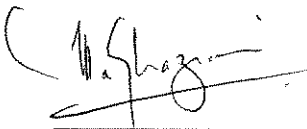
Further, if consumers feel that there is some discrepancy in their bills, they can register a complaint through various forums available such as call center, email, social media etc. These complaints are then looked into as per the facts and resolved accordingly.

Post privatization period

We would like to submit that FIP was paid to KE as part of the Implementation Agreement at the time of privatization to support investment in transmission and distribution system. The amount received was spent on the respective projects and as such has no impact on tariff as KE does not recover cost of investment through tariff but instead is allowed a performance based tariff that has been explained earlier. However, it is important to note that KE was in a precarious financial situation before privatization and relied on operational subsidy from the GoP to keep it afloat. That has not been the case since privatization.

We hope that the above responses have addressed the concerns of the intervener.

Sincerely,



M. Aamir Ghaziani
Director (Finance & Regulations)

July 3, 2016

The Registrar, NEPRA

NEPRA Office Building
Ataturk Avenue East
Opp. Federal Food Commission Building
Sector G-5/1
ISLAMABAD

Tel. (051) 2013200 Fax: (051) 2600028
Email. office@nepra.org.pk

REGISTRATION
By No. 7159
Date 12-07-16

Re: Multiyear Tariff Petition filed by K-Electric Limited (K-Electric) for Determination of Tariff for the Period commencing from July 01, 2016 to June 30, 2026.

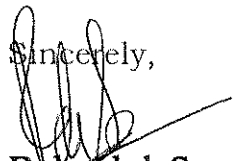
Dear Sir

Reference to the above and your Notice of Admission, published in The News dated 24th June 2016, we would like to participate in this critical issue of public interest. Kindly find attached following documents

1. Intervention Request
2. Affidavit
3. Intervention Request Fee (A cheque of Rs.414/-, vide Chq No. 42456616)

We would be pleased to provide additional information and participate in the hearings.

Sincerely,


✓ **Roland deSouza**
Shehri-CBE

For information &
D/Reg-II/AR n/a R.
12.07.16

Encl: Intervention Request
Affidavit

Intervention Request fee

— SA (Gen)

— SA (T)-I

— DG (M&E)

— DW (L-)

— M/A

cc: chairman
vc/m(T)
m(LC)
M(CA)

DDT-VI

Donations to Shehri-CBE are approved under Section 2(36)(c) of the Income Tax Ordinance, 2001

Received alongwith cheque of Rs. 414/-

By No: 5843
Date: 13-7-16

**NATIONAL ELECTRIC POWER REGULATORY AUTHORITY
INTERVENTION REQUEST**

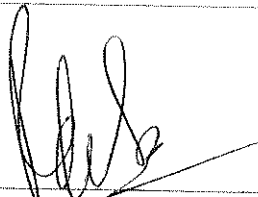
Name/Address	Engr. Roland deSouza (on behalf of) Shehri: Citizens for a Better Environment 88-R, Block-2, P.E.C.H.S., Karachi-75400 Tel: (021) 34557335 Fax: (021) 34530646 Email. info@shehri.org Website: www.shehri.org
Manner in which the intervener is likely to be affected by any determination in the proceeding	The Citizens of Karachi will be further adversely and economically affected by K-Electric Limited (K-Electric) an unjustified extension (with consumer-unfriendly changes) of the multi-year tariff determination.
Contention / Grounds of making the formal request	3.1 The K-Electric Limited (K-Electric) is a) A natural monopoly, whose actual public duty is to provide an essential service at an equitable price and of an acceptable quality: in this K-Electric is failing. b) Technically deficient, with inadequate/inappropriate installations, lax operation and maintenance practices c) Adversely affected by organized theft of electricity, in collusion with the utility company staff (<i>kunda</i> connections, bypassing or tampering with meters, etc) for which the honest consumer is paying 3.2 Consequently, inefficiency and imprudence of management is causing costs of electricity supply to rise; theft of electricity is making these high costs multiply for those who actually pay, and the utility sits back and takes the easiest way out – it files a petition with NEPRA. 3.3 The financial situation of K-Electric is affected by the following, which need to be addressed, without affecting paying consumers: a) Non-recovery of substantial arrears (from central/provincial governments and institutions, private parties, etc) b) Large amount of power theft, through <i>kundas</i> and collusive (consumers + utility staff) meter-tampering/bypass c) Unacceptably high technical transmission and



	distribution losses d) High prices of electricity negotiated by governments with IPPs e) High prices of fuel negotiated by government with international suppliers 3.4 The increases and changes in tariff proposed by the utility are solely for the benefit of the utility, whose profits have been increasing in recent years while the state of electricity supply in its jurisdiction leaves much to be asked for. The interests of the consumers, especially the poorer sections of society, need to be protected. 3.5 In any case, to promote the implementation of a competitive market in the K-Electric licensed area (the original <i>raison d'etre</i> for the establishment of NEPRA), any tariff structure determination must not go beyond the present licensed period of K-Electric.
Relief Sought (if any)	Will be explained at the hearing
Brief of evidence (if any)	None
Comments.	

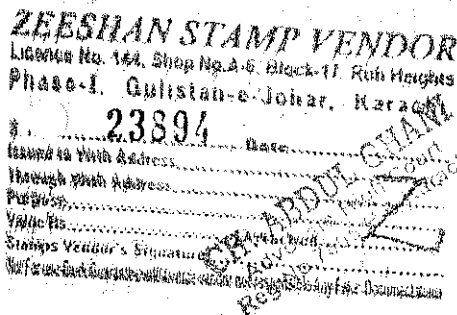
(*) Add additional Supplements if required

Date: 3-7-2016


 Signature

To be accompanied with:

1. An affidavit on stamped paper (sample attached), sworn before an authorized officer.
2. Intervention Request Fee Rs.414/-



30 JUN 2016

COPIES ONE HUNDRED (100)



AFFIDAVIT

3-7-2016

2 (Engr. Roland deSouza) *

Shehri-Citizens for a Better Environment



ATTESTED

~~Muhammad Shah~~
Advocate

Standard Chartered Bank (Pakistan) Limited

Cheque No 42456616

STANDARD CHARTERED BANK (PAKISTAN) LIMITED
KARACHI - PAKISTAN (BR CODE : 0025)

Date _____

11072016

Pay NEPRA or bearer

Rupees FOUR HUNDRED & FOURTEEN
ONLY ————— x ————— x —————

PKR 4141-

PK58 SCBL 0000 0017 6042 6206

SHEHRI - CBE CITIZENS FOR BETTER ENVIRONMENT

Please do not write below this line.

R ENVIRONMENT
Amber alibhai

Signature _____

SHEHRI-CBE

11 4 24 566 16 03800 25 000000 17604 26 206 0000 (Recycle's For A Better Environment)

Ref. No. RA&SP/NEPRA/190
Dated: August 17th 2016

The Registrar
National Electric Power Regulatory Authority
Islamabad

Subject: Intervention request regarding the proceedings of K-Electric's Multi Year Tariff (MYT) Petition for the period commencing from July 1, 2016 to June 30, 2016.

Dear Sir

This is with reference to letter no. NEPRA/R/TRF-100/KE/10343 dated July 20th 2016. Our response to the comments of Mr. Engr. Ronald deSouza are given below:

General comments on KEs performance (point 3.1 to 3.2)

In the initial paragraphs, the intervener has given general comments on the performance of KE and previous Multi Year Tariff determination rather than raising specific issues arising out of the tariff petition. However, we would like to bring their attention to all the improvements KE has achieved so far.

K-Electric has completely changed from an unsustainable loss making utility to an efficiently run profitable utility. KE's tariff structure is a performance based tariff, the essence of which is that it self penalizes the entity for any in-efficiency. Under this mechanism, the consumer does not have to bear the burden of any inefficiency at the utility's end, rather the entity is incentivized to investment in order to improve the efficiency, beat benchmarks set by the Regulator and earn a reasonable return. The tariff structure also has an in-built protection mechanism to ensure that excess efficiency gains are shared with consumers in the form of clawback.

Under this tariff, KE has been able to invest over Rs. 120.7 billion in the last 7 years. Of this investment Rs. 81 billion was in enhancing generation capacity and following additions were made:

- 247 MW Combined Cycle Power Plant at Korangi
- 180 MW GE Jenbacher (GEJB) at Korangi and SITE
- 50 MW BQPS-1 rehabilitation
- 560 MW BQPS-2

This has meant that generation capacity has increased by 1,037 MW and fleet efficiency has improved from 30.4% to 37%. KE plans to invest another Rs. 203 billion in enhancing its generation capacity over the next 10 years.

KE has invested around Rs. 36.5 billion since FY 09 in Transmission and Distribution. As a result, system resilience has improved through the reduction of SAIDI by 861 minutes (40%) in last four years, and the reduction of SAIFI by 73% from FY09 to FY15. Further, transformer tripping have reduced by 60% between FY09 and FY15 and T&D losses have reduced from 35.9% in 2009 to 23.7% in FY 15.

Along with the above benefits, this tariff structure has resulted in lower tariff for the end consumers despite KE being in losses in the past. In cost plus tariff, the utility is allowed a guaranteed return and hence the tariff would have been higher when the company was incurring huge losses. However since KE was not guaranteed any return as per the performance based mechanism it had to bear the burden of losses and could not earn any return by increasing the tariff. It was only by improving generation efficiency and reducing T&D losses that KE was able to reduce costs and become profitable. Now as KE has become profitable, the consumers will benefit from reduction in tariff in the form of clawback.

With respect to the allegation of organized theft, it is important to note that Karachi is a dynamic city with its own challenges and electricity theft is a deep-rooted problem of this city. KE is making its best efforts to counter this problem. There are illegal settlements on 'unleased' land where KE is unable to install meters. Further, volatile law and order situation and restricted access to certain areas due to localized issues hampers the progress of combat action against the Kunda system.

Non-recovery of substantial arrears from government (3.3 a)

Intervener has shown concern over non-recovery of substantial arrears. KE like other power sector utilities is severely affected by circular debt and has to incur additional working capital costs due to lack of timely payment by government entities and other public sector consumers. These are uncontrollable and unavoidable costs and it is unfair with KE that it is being made to bear the burden of non-payment by government consumers.

KE is compelled under the Implementation Agreement to continue to supply to certain public sector entities termed as 'Strategic Consumers' despite non-payment of their dues. As an example, Karachi Water & Sewerage Board owed Rs. 36 billion to KE as at July 25, 2016 and KE cannot disconnect KWSB since it is a strategic consumer and hindrance in its operations will cause difficulty for the entire city. KE is currently pursuing legal avenues along with approaching Federal and Provincial Government for amicable solution of this issue.

High T&D losses and non-recovery from private consumers (point 3.3 b & c)

KE has made significant progress towards reducing the T&D losses and has major investment plans to continue to do so.

We would like to highlight that the performance benchmarks set initially were aggressive. This issue was also highlighted in the 2009 petition, however, the benchmarks were not revised. KE, however, did not shy away from the challenge and invested to realistically improve T&D, which reduced from 35.9% in 2009 to 23.7% in 2015.

We would also like to add that, T&D loss and low recovery from non-public sector consumers should be understood in the light of ground realities. Karachi is a unique city with its own challenges and dynamics. Unlike other major cities of Pakistan, a significant proportion of Karachi's population lives in illegal settlements on 'unleased' land. KE is unable to install meters in these areas due to the illegal nature of the settlements and has limited avenues to curb the theft of electricity, by residents, through illegal connections to the distribution network. Furthermore, the volatile law and order situation in the city

especially restricted access to certain areas, due to localized issues, continues to affect the company's ability to curb theft and ensure timely payments. KE has administratively divided its distribution areas in 29 parts with each area having its own Integrated Business Centre (IBCs). 12 out of 29 IBC areas are categorized as high loss which include areas such as Liyari, Gadap, Orangi, Baldia and Surjani, etc. where Aggregate technical and commercial (AT&C) losses are as high as 55% (2016).

Despite these challenges, KE has been doing efforts to reduce the T&D losses and improve recovery and plans to further intensify the same. The replacement of electro-mechanical meters with electrostatic meters was a measure to control theft as the new meter is highly sensitive and gives accurate recording. To counter power theft and non-recovery, various initiatives were taken such as 'Operation Burq' which resulted in recovery from chronic defaulters and reduction of load-shedding for households and commercial operations across the city. Going forward KE has planned substantial investment of Rs. 108 billion in distribution system which also includes projects for reduction of Distribution losses specifically theft. Although, as T&D losses fall, it becomes progressively more difficult and costly to achieve further reductions, KE has still planned to reduce the losses to 13.8% in FY 26.

IPP Tariff & Fuel Prices concern (point 3.3 d & e)

IPP tariffs are set by NEPRA after due process which includes holding public hearings and addressing concerns raised by interveners. With respect to the fuel prices issue, it is important to understand that fuel prices are mainly driven by international market prices.

Concerns on modification/changes in tariff (point 3.4)

It is pertinent to understand that KE is a unique organization. It has the overall responsibility for developing and managing the power infrastructure in Karachi. This means that unlike other generation and distributions companies, it has to carry out end to end planning of the city's energy system without any sovereign guarantee or GOP support. The integrated tariff structure provides the appetite for further investment and a bankable security structure to pave way for financing of the investment specifically in the absence of any GOP support. Further, we would like to add that KE's performance based tariff has an in-built protection mechanism to ensure that excess efficiency gains are shared with consumers in the form of claw back.

The intervener has not raised any specific concern/argument on the modification changes requested. In the petition KE has already mentioned what challenges it faces and why this tariff petition along with modifications is necessary to enable KE to deliver its investment plan of over Rs. 490 billion with lowest cost along with the detailed rationale for each modification.

Distribution License Issue (point 3.5)

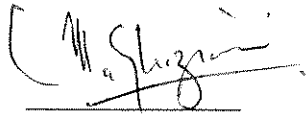
The intervener has shown concern over the period of MYT tariff petition and linked it with KE's license expiry. In this regard it may be noted that KE is a vertically integrated power utility involved in Generation, Transmission and Distribution activities and accordingly has three licenses with different expiry dates for all the functions. Renewal of these licenses is merely a procedural matter and has no link with the tariff control period.

KE has invested in long term infrastructure development and its asset base has a life of over 20 to 30 years. Most of the investment was done during the last 7 years and KE is continuously investing in system upgradation and expansion every year. This makes the asset base life and their financing agreements to be longer than the expiry of the licenses.

Pakistan has an evolving power market which needs to address several hurdles before it moves towards a competitive structure. Like new IPPs which are given control periods of more than 20 years, KE's tariff control period is also not an impediment in the process and KE is willing to work with the Regulator as the market develops and the power sector moves towards competition. In a country with a major supply deficit we feel facilitating investment in the power infrastructure is the first priority. Therefore, providing certainty to the investors through a control period of ten years is imperative to attract long tenure investment of over PKR 496 billion.

We hope that the above responses have addressed the concerns of the intervener.

Sincerely,



M. Aamir Ghaziani

Director (Finance & Regulations)

Intervention

K-ELECTRIC CONSUMER FORM

Arjan Building,
Mohan Road, Urdu Bazar
Chowk, Karachi.
Ph: 32771400

Date 28/06/2016

REGISTRAR NEPRA
ISLAMABAD.

Subject: K-ELECTRIC PETITION FOR MYT NEW TARIFF OBJECTIONS / SUGGESTIONS.

Dear Sir,

Reference your notice regarding above matter I wish to inform you that I would like to be an intervenor on this subject. I enclose here with a pay order of the required amount along with my full address and designation.

As for the demand of K-Electric is concerned the present tariff is on the very high side and its continuation will adversely affect the consumers who are already being victimized by K-Electric.

The present Tariff was introduced in year 2002 when the oil prices in the market were very high. Further more, the number of consumers was less than as today but the number of employees of K-Electric was more than 15,000.

K-Electric was not receiving any subsidy from the Government since the company was being controlled by the Government, NEPRA decided the tariff in a relax mood at that time.

I, therefore suggest that if the present tariff is to be continued all slabs should be reduced by 20% moreover a 25% increase allowed by the Government while reducing subsidy should be deleted in toto.

2- Demand of K-Electric for increase of 66 paisa on operations and maintenance component is entirely unjustified because the number of employees which was 17,000 just 2 years back have been reduced to 10,000 numbers. Similarly no amount is being spent on the transmission and distribution system for the maintenance.

3- Company is making huge amount of profit for e.g. the profit which was 18 billion rupees in year 2014 rose to 28 billion rupees in year 2015 and is expected to swell to about 40 billion rupees in the current year. As such change in claw back formula is not justified.

For information & n/a H.
- D/Reg-I / SAT
C/o: SAT-I
M/F
cc: chairman
vc/m (T)
M (LC)
M (CA)

Cont'd Page 2

*Recd along with
Cheque of Rs 300/-*

Register	6989
By No.	01-07-16
Dated	

Senior Advisor TARIFF
By No: 5679
Date: 11-7-16

DDT VI

AD/E
11/7
Director's Authority approval

K-ELECTRIC CONSUMER FORM

Arjan Building,
Mohan Road, Urdu Bazar
Chowk, Karachi.
Ph: 32771400

Page No.2

4- A 15 paisa increase was allowed by NEPRA to K-Electric on the basis of excessive labour which should now be withdrawn in the present circumstances.

5- K-Electric is defying legitimate orders of NEPRA and in a stubborn manner continuous to extract money from the consumers by way of charging double bank charges and illegal meter rent from the consumers.

6- A condition should be added in the NEPRA rules that K-Electric will not obtain stay orders just to victimize the consumers.

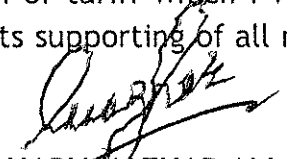
7- It is to point out that the tariff was increased by the Government through an SRO while reducing the subsidy but the subsidy given to KESC in year 2005 at the time of privatization of the company was 1.49 billion rupees which was gradually increased to 76 billion rupees in year 2013. Strangely the tariff was not reduced as should have been logically done.

8- I am of the opinion that all Government Departments ~~have~~ have soft corner for present K-Electric management and they allow K-Electric to use all unfair tactics to extract money from the poor consumers.

9- That new slab system is totally unfair as hardly 1% of the consumers use electricity less than 50 units and K-Electric is applying minimum charges formula in case of use less than 50.

10- I suggest that previous 2 slab exemption formula be restored and 1st slab should be from 1 to 100 and the rate for this slab may be made to rupees 4 per unit.

I have many more points to raise in favour of reduction of tariff which I will submit at the time of petition hearing along with documents supporting all my contentions.


CHOUHDARY MAZHAR ALI

Chief Coordinator
Cell: 0301-2453760

ENCL = P.O FOR Rs 300/-

KIND ATTENTION
REGISTER NEPRA

DAWN TUESDAY JUNE 28, 2016

KE request for extending old tariff rejected

By Shazia Hasan

KARACHI: With the expiry date of K-Electric's existing 15-year tariff approaching on June 30, the power utility has requested the National Electric Power Regulatory Authority (Nepra) for a 10-year extension of the old existing tariff with minor modifications and adjustments, which the KE Shareholders' Association find unjustified.

Among KE's demands of modifications and adjustments is an increase of 66 paisa/kWh in the operation and maintenance component of their existing tariff. They also want a change in the percentage of the claw-back formula thresholds. In the existing tariff adjustments the level of 'X' factor in the O&M cost adjustment formula should be lower than the current levels, they said. Then they also want the working capital component to be included to cover the late payments of the government entities. Finally, they have asked for the Force Majeure clause to be included for the allowance of irrecoverable costs.

Nepra on their part have invited the public to intervene on the issue by sending in their arguments over the issue. General Secretary of the KE Shareholders' Association Chaudhry Mazhar Ali has categorically replied to their requests calling them unjustified and unfair. Speaking to Dawn on Monday, he said that his first problem was that the existing tariff is already on the higher side because when it was decided, in 2002, the Karachi Electric Supply Corporation (KESC) was owned by the government and Nepra was lenient with it by allowing a higher tariff.

He also said that KESC, at the time, had a labour strength of 15,000. "Presently, this number has been reduced to 10,000," he pointed out adding that oil prices in 2002 were also \$70 per barrel, whereas oil at present is less than \$40.

"The best proof of this tariff being high is that company has earned a profit of Rs86 billion rupees within a span on three years -- its profit in 2014 was Rs18 billion, in 2015, it was Rs28 billion and the expected profit in 2016 is Rs40 billion. Looking at these facts, I request a new tariff which should be lower than the old tariff. It should be reduced by 20pc at least," he said.

About KE's demand of an increase 66paisa per unit in O&M component, he said that it was totally unjustified because, again, the number of employees have been reduced. He also pointed out that there is no maintenance being carried out on KE's system, which is evident from the frequent failures of system.

"The demand for increase in percentage through the claw-back formula is also totally unjustified because the consumers are paying exorbitant electric bills. Adjustment in the level of 'X' factor of O&M is unfair, too, because the maintenance of the system is not being carried out at all," he said.

"About working capital," he said, "it has been observed by the consumers, that KE is not paying their dues towards the supply of gas and also to the National Transmission & Despatch Company for the supply 650MW electricity. As such no capital is used by KE."

KE's demand of Force Majeure clause is also totally unjustified because in the event of any happening, consumers also suffer financially and materially, the shareholder pointed out.

Meanwhile, Tanveer Barry, chairman of public sector utilities power and gas sub-committee of the Karachi Chamber of Commerce and Industry said that KE was already minting money through illegal tactics such as taking up to Rs40,000 to Rs50,000 for NOCs for a new connection, through their new slabs system,

روزنامہ جنگ کراچی پیر 27 جون 2016ء

کے الیکٹرک 10 سال کیلئے بجلی کے نرخوں میں رد و بدل کے مطالبات پھر اکرپش

کراچی (ایسٹ رپورٹر) کے الیکٹرک نے مزید اس سال کے لیے بجلی کے موجودہ نرخوں میں رد و بدل اور اضافے کے لیے مطالبات پیش کیلکٹرک پاور گولڈ نیٹ ورک (پھر) کو پیش کر دیے کے الیکٹرک کی پیشین پر ہر اے پبلک ٹولس ایسوسی ایشن نے کے الیکٹرک نے

نرخوں کے لیے تین مطالبات کیے ہیں پہلا یہ ہے کہ موجودہ نرخوں جو 30 جون 2016 کو ختم ہو جائے گا اسے 30 جون 2026 تک بڑھا دیا جائے دوسرا کہتے ہیں کہ اس کے علاوہ آپریشن اینڈ مینٹنس کی مد میں 66 پیسے فی یونٹ اضافہ کرنے کا اختیار دیا جائے کے الیکٹرک نے کلاسیک فارمولا جس کے تحت بجلی جس طرح منافع کمائے گی اسے صارفین تک منتقل کیا جائے گا لیکن اب اس منافع کی شرح میں تبدیلی چاہتی ہے اس طرح وہ کلاسیک منافع کی بنیاد پر بجلی نرخوں میں کچھ اضافہ اور کام میں کسی وجہ سے رکاوٹ پیدا ہو جاتی ہے اس کا حصہ لی نرخوں میں شامل کرنے کا مطالبہ کیا ہے اس پر پھر اے پبلک ٹولس دیا ہے اگر کوئی بھی شخص صارفین کی طرف سے اعتراض کرنا چاہتا ہے تو پندرہ دن کے اندر تحریری طور پر پیش کیجیے اس کے بعد جب سماعت ہوگی اعتراض کرنے والا شخص مزید دستاویزات دے سکے گا ہے کہ مزید قدم کے چھپ کو آرڈینر چوہدری مظہر علی نے کہا ہے کہ کے الیکٹرک کا موجودہ نرخ بہت زیادہ ہے جسے 2002 میں بنایا گیا تھا جب ادارہ سرکاری ادارہ تھا پھر اسے سرکاری ادارہ ہونے کی وجہ سے اسے زیادہ رعایتیں دی گئیں 2002 میں بجلی کی قیمت زیادہ تھی اب بہت کم ہے 2002 میں بجلی میں 15 ہزار ملازمین تھے اب 10 ہزار کے لگ بھگ ہیں جس کی وجہ سے اخراجات کم ہیں اس لیے موجودہ نرخ میں 20 فیصد کمی کی کی جائے انہوں نے مزید کہا 2014 میں بنائے گئے سلیب سسٹم کی وجہ سے صارفین کو بلاوجہ زیادہ پیسے دینا پڑے ہیں اس سلیب سسٹم کو پرانی شکل بحال کیا جائے 50 یونٹ سے کم بجلی استعمال کرنے والے صارفین کی تعداد ایک فیصد سے بھی کم ہے اس لیے ہماری تجویز ہے کہ کم سے کم سلیب 100 یونٹ کیا جائے اور اس کا ریٹ 4 روپے فی یونٹ رکھا جائے اس کے علاوہ درخواست کی سماعت کے موقع پر صارفین مزید دستاویزات اور ثبوت پیش کریں گے جس میں بنک چارجز اور سٹرک ریٹ وغیرہ کے معاملات شامل ہیں۔

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PKR 300.00

Authorized Signatory
PA 8-B-31

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PA 8-B-31

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K-ELECTRIC CONSUMER FORUM

Arjan Building,
Mohan Road, Urdu Bazar
Chowk, Karachi.
Ph: 32771400

Date 21/09/2016

CHAIRMAN NEPRA

REPLY TO ISSUE REGARDING MYT OF K-ELECTRIC

1. Partially because even the original tariff determined in year 2001 is on high side but the additions made during the past years are unjustified and not acceptable.

2. Price CAP.

3. Ten year is reasonable.

4. Not justified.

5. Yes.

6. Not at all. This formula is a fraud obtained unfairly.

7. Not justified why consumer to suffer for acts of Govt. Agencies.

8. Not justified. Poor consumers have no control on natural or un natural acts.

9. Amendment agreement is fraud.

10. Not at all.

11. Only 350 MW additions KE has only plans. No practical.

12. KE to reply.

13. Unjustified and contrary to NEPRA rules.

14. Not justified.

15. Not practicable.

16. Not justified.

17. KE to reply.

18. Not so far.

19. Not at all.

For information & my a p.
— SAT - 2
Cap b.
— SA (Tech)
— AIF
30/09/16
Chairman
V. (KE)
NCLB
NCCA

3/10

Mr. JAS
ADCS
3/10/16
DIXIT

Registrar
Dy No. 9442
Dated: 30-9-16

Cont'd Page 2

Serial No. 7588
Dy No. 30-9-16
Date: 30-9-16

K-ELECTRIC CONSUMER FORUM

Arjan Building,
Mohan Road, Urdu Bazar
Chowk, Karachi.
Ph: 32771400

Page No. 2

20. KE to reply.

21. Outside power purchase to be discouraged.

22. Not at all.

23. Do not seem to be.

24. No.

25. May be.

26. KE to reply.

27. Not at all.

28. KE to reply.

29. KE to reply ^{NEPRA} re connection not possible.

30. KE to reply.

31. KE to reply.

32. To some extent.

33. Unfair and illegal.

34. Should be paid as per past practice and fair deal.

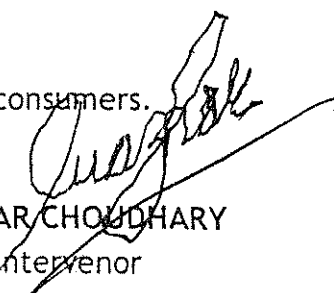
35. On high side.

36. KE to reply.

37. Yes.

38. NEPRA to issue order and fix rate.

39. So many unimplemented orders and pending petitions of consumers.


MAZHAR CHOUDHARY
Intervenor

The Registrar
N.E.P.R.A
Islamabad

Ref. No. RA&SP/NEPRA/186
Dated: August 12th, 2016

Subject: Intervention request regarding the proceedings of K-Electric's Multi Year Tariff (MYT) Petition for the period commencing from July 1, 2016 to June 30, 2016.

Dear Sir

This is with reference to letter no. NEPRA/R/TRF-100/KE/10348-49 dated July 20, 2016 on the captioned subject. Our para-wise response to the comments of Mr. Choudhary Mazhar Ali are given below:

Fuel Prices & Subsidy (point 1)

KE's tariff is a Multi-Year Tariff (MYT) in which fuel price variation on account of own generation and power purchase cost are passed through in the tariff along with CPI indexation of O&M. This means that market fuel prices are reflected in consumer tariff which showed a reduction as a result of recent drop in fuel prices.

With respect to intervenor's comment on subsidy, it is pertinent to mention that KE has not received any subsidy for operational support from GOP since privatization. It is important to understand that the Government has a uniform tariff policy for consumers across Pakistan and accordingly does not allow DISCOs like KE to charge full determined tariff to the consumers. As per this policy the GOP bears the burden of the differential between the determined tariff (given by NEPRA) and the lower applicable tariff that is charged to the end consumer. This is called the 'Tariff Differential Claim (TDC)' and is a relief for customers and not a subsidy to support KE. Tariff Differential claims are filed as per notified rates and are duly verified by the Ministry.

However, it is important to note that KE was in a precarious financial situation before privatization and was incurring huge losses. This financial burden was being borne by GOP in form of operational subsidies provided to the company to keep it afloat.

Increase in O&M component is unjustified (point 2 & 4)

In 2009 petition KE asked for an increase of Rs. 0.64/kwh in the O&M component as the shortfall in O&M had accumulated due to an in-sufficient base tariff in 2002 and an increase in costs faster than CPI. NEPRA, however, allowed an increase of 15 paise which meant that the deficit kept accumulating.

Since the new management takeover in 2009, KE has brought in efficiencies in O&M costs by implementing a number of operational improvements across all business units. However, in spite of these efforts, O&M grew in real terms due to increase in generation, transmission and distribution capacities and other efforts for performance improvement. As per the table below, KE's O&M shortfall stands at Rs. 1.44/kwh in FY 2016. KE is willing to absorb more than half of this cost and is only asking for a one time increase of Rs. 0.66/kwh (i.e. 46% of the shortfall).

	2016
O&M (Rs. Million)	37,240
Units Billed (Gwh)	12,865
O&M cost per unit (Rs./ Kwh)	2.89
O&M cost allowed in tariff (Rs./Kwh)	1.45
Shortfall (Rs./Kwh)	1.44

KE has requested for a small portion of the shortfall which will ensure that it does not divert significant funds away from planned capital expenditure in order to meet the deficit in the recovery of O&M costs. It is notable that, as per the business plan after incorporating the impact of 66 paisa, KE will still be bearing average shortfall of Rs. 1/Kwh in the next 10 years on account of O&M.

The intervener has stated that KE's employee headcount has reduced by 7000 over the last few years and hence the increase in O&M is unjustified. We would like to highlight that the decrease in absolute number of employees is due to the fact that certain non-core services have been outsourced. This has been done in line with best practices followed locally as well as internationally to minimize cost and not because these were surplus or excessive. It is important to re-iterate that there is still a significant gap between the O&M allowed in the tariff and the actual cost being incurred by KE.

Transmission & Distribution Network (Point 2)

The intervener has argued that KE has not spent any amount on transmission and distribution system maintenance. KE has spent over Rs. 36 billion on the expansion and rehabilitation of its transmission and distribution system in last seven years which has resulted in significant improvement in service quality.

Going forward, KE is focusing more on investing in transmission and distribution over the next 10 years. KE has planned an investment of Rs. 179 billion in enhancing and upgrading transmission capacity; and another Rs. 108 billion in distribution improvements.

Change in claw back threshold is not justified (point 3)

The intervener has stated that KE has earned huge profits in the last four years and should not be allowed any change in the clawback threshold.

It is important to understand that "high profit" is a relative term. KE has earned profit before tax, as given in the table below, of Rs. 1.7 billion to Rs. 15 billion in the last four years.

	2012	2013	2014	2015
	Rs. in million			
Profit before tax	1,752*	4,001*	9,575	15,076
Share capital and reserves				
Opening	113,837	125,313	128,389	130,709
Closing	125,313*	128,389*	130,709	157,784
Average	119,575	126,851	129,549	144,247
Return %	1%	3%	7%	10%
Return on operating Assets (Fixed assets and intangible)				
Opening operating assets	167,514	170,443	165,186	170,663
Closing operating assets	170,443*	165,186*	170,663	214,003
Average	168,979	167,815	167,925	192,333
Return on assets	1%	2%	6%	8%

*These numbers are as per restatement in 2014

As can be seen from the table above, KE has earned a return on capital & reserves ranging from 1% to 10% and a return on assets ranging from 1% to 8% in the last four years. These are lower than the current market returns as IPPs are being allowed dollar based IRR ranging from 15% to 17% (IRR of 22-23% in PKR terms).

In spite of low profit, KE's shareholders did not take any dividends and preferred to re-invest all the profits back in the company to continue the improvement process. Therefore the change in clawback threshold is only a request to rationalize KE's returns in line with the current market rates of returns so that KE is given a level playing field and it continues investing in system upgradation.

Meter Rent & Bank Charges and Concerns (point 5)

The captioned subjects are under discussion in the court and are not related to the tariff discussion.

Stay Order (point 6)

As far as the stay order issue is concerned, we would like to state that it is KE's legal right to follow the judicial process in case it feels aggrieved from any decision and it is an infringement of KE's legitimate constitutional rights to call for an outright ban on stay orders.

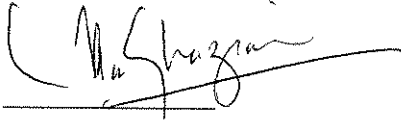
High Tariff, Subsidy and Slab System (point 7, 9 and 10)

Intervener has claimed that KE's subsidy has increased whereas, the tariff has not reduced. As explained above, KE does not receive any subsidy for operational support from the Government but rather a tariff differential claim (TDC) which is a relief for consumers. Further, we would like to clarify that adjustments in the determined tariff are only made on account of CPI indexation of O&M and fuel cost variations as per a prescribed procedure. The increase in tariff differential claims is a result of government's policy to keep applicable tariff rates constant while determined tariff has increased due to fuel price variations.

As already mentioned above, the change in the slab system is a policy decision taken by MoW&P and NEPRA.

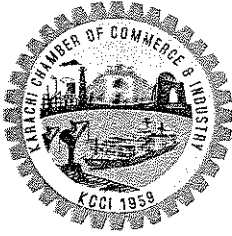
We hope that the above responses address your concerns.

Sincerely,



M. Aamir Ghaziani

Director (Finance & Regulations)



KARACHI CHAMBER OF COMMERCE & INDUSTRY

کراچی چیمبر آف کامرس اینڈ انڈسٹری

KCCI/SG/PSU/2015-2016/0106
July 4th, 2016

To,
The Registrar,
National Electric Power Regulatory Authority,
NEPRA Tower, Attaturk Avenue (East),
Sector G-5/1, Islamabad.

Subject: Notice of Admission
Multi Year Tariff Petition Filed by K-Electric Limited (K-Electric) for
Determination of Tariff for the Period Commencing from July 01, 2016 To June
30, 2026.

Dear Sir,

1. Reference is made to advertisement published in the newspaper regarding the captioned subject (copy of the advertisement is attached herewith).
2. In this regard, it is informed that Dr. Qazi Ahmed Kamal, Advisor, "Public Sector Utilities, Power & Gas", Sub-Committee KCCI will become the intervener in respect of the same for and on behalf of the Karachi Chamber of Commerce & Industry (KCCI).
3. Furthermore, Pay Order No. 03659606, dated: 04-07-2016, amounting to Rs.300/- (Rupees Three Hundred Only) drawn on Faysal Bank (Shaheed-e-Millat, Karachi Branch) is attached herewith as relevant fees.

Thanks & profound regards,


S.M.H. Rizvi
Secretary General

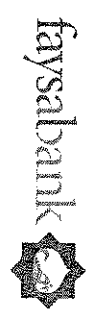
Encl: As above.

For information & n/s A.
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Cep to:
— SA (Tech)
— GWH (MSE)
— DI/F
cc: chairman
vc/mct - m(Li)
m(CA)
11.07.16

(b)

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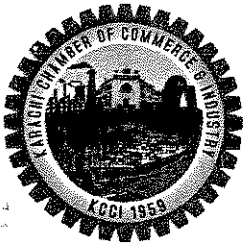
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Faysal

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Karachi Chamber of Commerce & Industry (KCCI)

کراچی چیمبر آف کامرس اینڈ انڈسٹری

KCCI/PSU/2015-2016/4359

September 27th, 2016

To,
The Registrar,
National Electric Power Regulatory Authority,
NEPRA Tower, Attaturk Avenue (East),
Sector G-5/1, Islamabad.

For information & m/a p.
— SAT-I
— SA Tech
— DE (MSE)
— DIR (L) - MIF
30.09.16
Chairman
VC/MCT
M(L)
M(CA)

Subject: Reply regarding
Multi Year Tariff Petition Filed by K-Electric Limited (K-Electric) for
Determination of Tariff for the Period Commencing from July 01, 2016 To
June 30, 2026.

Dear Sir,

1. Comments sent to the Registrar NEPRA in July, 2016.
2. Price cap regime is more suitable for our systems. The revenue cap will be resented by both the end user and the utility company for obvious reasons and if the revenue cap is promoted the only option will be for the end user to use power wisely as the limitation for the revenue generation is capped. All private utility companies in Britain are based on price cap regime and so it should be here too provided it is used as such and not cosmetically.
3. Comments sent to the Registrar NEPRA in July, 2016.
4. Comments sent to the Registrar NEPRA in July, 2016.
5. Comments sent to the Registrar NEPRA in July, 2016.
6. Comments sent to the Registrar NEPRA in July, 2016.
7. Comments sent to the Registrar NEPRA in July, 2016.
8. Comments sent to the Registrar NEPRA in July, 2016.
9. Comments sent to the Registrar NEPRA in July, 2016.
10. Comments sent to the Registrar NEPRA in July, 2016.
11. Comments sent to the Registrar NEPRA in July, 2016.
12. A very pertinent question to the smooth operations of a utility. KE needs to address this important point and satisfy the regulator that whatever it proposes or has in possession is

Page 1 of 4

Registrar
Dy No. 9441
Dated: 30-09-16



Karachi Chamber of Commerce & Industry (KCCI)

کراچی چیمبر آف کامرس اینڈ انڈسٹری

sufficient enough to provide the means to effectively control centrally the operations of the system and must be of the type and nature that is acceptable to the regulator too and fulfills the needs of the present and near future too both in capacity and the technology.

13. Comments sent to the Registrar NEPRA in July, 2016.

14. Comments sent to the Registrar NEPRA in July, 2016.

15. Depending on the proposed improvements and efficiency increases the same level of auxiliary consumption is quite illogical and must be re assessed.

16. Comments sent to the Registrar NEPRA in July, 2016.

17. This is a sore point and so far nothing has happened in this regard with furnace oil. Actually, this is not in the favour of the KE as long stability of pricing does not bode well with the FAS mechanism and this means that the windfalls will be limited and the sudden variations let KE get money when all over the world the furnace oil prices have crashed.

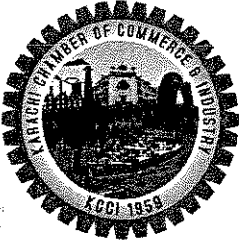
18. a very good point. Although we have been hearing this for a very long time but still the GSA with SSGC has not been inked and the struggle continues and at one time the SATI had to intervene and ask SSGC to supply gas otherwise the industries were being heavily subjected to load shedding of several hours a day.

19. We feel that this is inclined towards the KE as NEPRA is always behaving as a calculator and not as a regulator. Its not of any interest to us what is going on in KE. What we know is that we were paying lower tariffs when the oil was at above 100 dollars per barrel. This is due to the reason that the plants of KE are old and inefficient and produce less power at a higher consumption level and as such, the customer ends up paying more than is needed. simply when the generation is done by KE there are no capacity payments and its even cheaper that way compared to buying through other producers where capacity payments are also included.

20. We feel that this point KE should elaborate and NEPRA should check and only then we can state our comments and arguments if any.

21. Certainly. we are in favour of this. KE should exhaust all its resources and plants and only then pursue the purchases from other sources. The argument that KE is not as efficient or higher priced compared to the other generators is a self defeating argument because this was the prime reason of its privatization to begin with to bring in investments and run it efficiently and expand the production whereas now the self generation has returned to levels of the pre privatization era.

22. KE domain.



Karachi Chamber of Commerce & Industry (KCCI)

کراچی چیمبر آف کامرس اینڈ انڈسٹری

23. We feel that certain standards need to be outlined to KE. All power plants have to be close cycle ones and not below a certain efficiency level and not beyond a certain year in case of used plants, NEPRA has to put its foot down and oppose contravention of any kind and all of the purchases should be the domain of NEPRA as per its Act it has the mandate to see all the investments and standards of the utility provider.

24. Certainly we feel that all payments if coming from the pocket of the end user have to be the least bare minimum and all that is a burden in this regard means expensive power for the end user. NEPRA as a guardian of the rights of the end users should protect the rights of the end users as well and certainly the power producer too but not at the cost of the end users.

25. Comments sent to the Registrar NEPRA in July, 2016.

26. Very important point , the transmission losses are a really surprising issue. There are no losses in transmission. Period. Whatever is being given by NEPRA is covering the inefficiency levels. On top that distribution losses are mounting and the way forward is to see it in practical terms and do the necessary to contain them and not be swayed by numbers. Check international level in this regard.

27. Comments sent to the Registrar NEPRA in July, 2016.

28. Comments sent to the Registrar NEPRA in July, 2016.

29. From the security deposits it is evident that KE has money that it has no power to sell of. This means that the security deposit MW and the production MW don't match, unless the security deposit and the actual production match KE should be penalized. The mere increase of customers means nothing except more money for the KE. The main point is what quality of power and what sustainability can be provided by the KE in the future as statistics are all fine but the voltage fluctuations, the load shedding and the other issues will have a detrimental impact on the KE power.

30. KE side workings need to be presented and discussed before we comment

31. The issue is very important to industry and in-spite of many rulings and clear orders KE continues to defy NEPRA. Billions have been lost by industry due to this non installation of TOU meters. It needs a full and final drive by NEPRA to settle this finalization of TOU meter installation deadline for both house hold and industrial units.

32. Since KE is in court over this NEPRA should also defend its own ruling in court against KE in order to facilitate the end users

33. Same as 32.



Karachi Chamber of Commerce & Industry (KCCI)

کراچی چیمبر آف کامرس اینڈ انڈسٹری

34. KE has unilaterally stopped this practice making the basis that other DSICOS are not doing it. However since a precedent exists in this regard why is this not being done now

35. In spite of the clear law of KE prohibiting the KE in charging anything from the end user which is not authorized by NEPRA many instances are high lighted where the KE asks for amounts for which it gives no details nor receipts and either any calculations are shared with the end users in case of new connections such as cables etc. NEPRA must ensure that all charges must be transparent and all estimates be given with proper workings and rates in order to satisfy the end users.

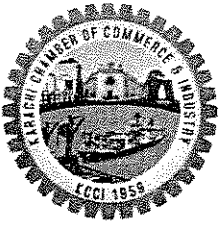
36. Government institutions are a large chunk of the power defaulters as per NEPRA list in the annual reports. Free electricity is also given to certain colonies. This is totally unacceptable. whatever the rate is finalized the same should be recovered and in case of non-payment connections to be severed immediately save the ones categorized as vital installations and customers in the given list.

37. NEPRA rows the line of Government policy in matters that are in stark contrast to the Act even and have been pointed out as well several times. The IMF may rule something as vital to be done but this is a sovereign country and as such being the tool of a monetary agency is a shame. In any case the point is that by reducing the slab benefits to previous two slabs and not passing on the FAC to the less than 300 unit users the Government has done gross injustice to this nation and will be held accountable in not resisting this. The KCCI had given detailed writings against this and also recorded the examples of other Asian countries not denying this benefit to the trodden masses but NEPRA in its infinite wisdom decided against it and also that in a request that was time barred.

38. We have given our detailed views along with SATI and await the comments of NERA on it.

Tanveer

TANVEER AHMED BARRY
Chairman, Sub-Committee KCCI
Public Sector Utilities, Power & Gas



KARACHI CHAMBER OF COMMERCE & INDUSTRY

کراچی چیمبر آف کامرس اینڈ انڈسٹری

KCCI/SG/PSU/2015-2016/0107

July 4th, 2016

To,
The Registrar,
National Electric Power Regulatory Authority,
NEPRA Tower, Attaturk Avenue (East),
Sector G-5/1, Islamabad.

Sub: MULTI YEAR TARIFF PETITION FILED BY K ELECTRIC JULY 2016 – JUNE 2026

Dear Sir,

The concerned document is a very important piece of policy that needs careful threadbare discussion by all and sundry being affected by it. NEPRA has chosen a time of great discomfort for this as usual in its approach to matters concerning end users. Ramzan has certain requirements of time and energy special to this month and end users are not able to have their usual set of priorities in a day completed for lack of working hours. Even the NEPRA staff would be hard pressed for time as well yet the authority chose this time to approach the end users to submit their intervention requests. An extension would be the appropriate and the last working day of July 4 is given on this point whereas half of the people of Pakistan would be engaged in travelling to their native places for celebrating Eid. It is necessary to mention this fact in writing. The KCCI has submitted extension of date request in this regard to NEPA.

NEPRA's over sight of date of ten year request acceptance

It is strange that NEPRA is assuming things on its own that are not factual. If the distribution licence limits the date of KE licence to 2023 how is this application accepted? Does it mean that NEPRA has no data on this date or just does not think it important factor or this is the right of KE to assert its tariff over three years it has no distribution license over? Whatever is the reason the request should have been limited to the date and year till present license of KE is valid for distribution based on its last KESC status unless it has been renewed to 2026.

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General Comments :

3. KE was always the propagator of the unbundling of its services. In this submission it has negated this view and does not want that to happen. Would be interesting to note why has this change in stance happened.

3.2 assumptions :

The system of the quarterly and monthly fuel adjustments are preferred by the KE however we feel that no such relief should be given to KE till the specific limits of generation and plant efficiency and heat rates are achieved by the utility along with the energy audit of the facilities.

Maintaining current T and D loss performance targets are not good enough. They have to be as per international standards. Like wise the heat rates maintenance is also futile.

Firstly they are the highest in the sector due to old machines and even then they have not been re visited in decades by NEPRA so this acceptance of KE of the rates is totally out of place and should be re stressed and re assessed.

TOU meters are a joke. NEPRAS has given time limits that KE has never adhered to and even now it is being mentioned. Such atrocities of implementations ghosts should be vanquished .

4.1

If the fleet efficiency is increased from 30.4% to 37% why has NEPRA not changed the per kilo and per mmbtu conversion capacity as yet ? Why is fuel being used at same levels and is being calculated at the same kilos of furnace oil to one unit ? Who is benefitting from this efficiency ? Certainly not the end users and certainly NEPRA has no inkling of this point and its effect of the tariff.

Transformer tripping reduced by 60% , so we assume that usage of load distribution is solved to a greater extent so it also means that enough transformers are there now to take care of load problems ? Is this assumption right ?

If T and D losses are now 23 % from 35% why is there no relief in tariff based on this ? its logical that more saving is being done and less fuel should be used. Has that happened so far ?

4.2

Questioning NEPRA statements is a standard practice that is prevalent here as well. NEPRA has categorically stated that KE has added 330 MW in its system yet KE claims 1037 MW. What is the real status will NEPRA clarify please ?

It stated connection time lines were met for 95% of its customers. Would KE like to elaborate on this point as to what time limits are being referred to so that end users can predict their power connections time limits on their own now.

Indusial sectors being exempted from load shedding is not true . Ramzan is the case in question .

Lowering of tariff is mentioned through investment whereas the Rs 0.66 increase is also there in O and M costs . is that not a controversy ?

4.3

Gas supply constraints are deliberately created by KE by not having a proper GSA with SSGC. If that is done there will be no supply issues . KE outstanding to SSGC of Rs 50 billion plus is there along with its refusal to pay any interest on it .

5.2.2

61% of Karachi is load shedding free. I would like to have this break up . Is it based on geographical details or population ?

Annual increase in GDP of 1-2 \$ billion is expected by reduced load shedding but how is that calculated is not given . Sweeping statements should be avoided.

5.4.1

The 650 MW supply is assumed to be ceasing in 2020. How is this known when the facility is under stay order of the court ?

Actual Tariff Discussion

Before we go into the nitty gritty of the tariff structure its important to understand the objectives of the previous tariff regime first . The structure was made for the end users to gain from the efficiency of the utility if it turns profitable and have a transparent and just system of inputs and end load shedding etc. What has transpired is given below

Claw back mechanism :	No Benefit given to end users
Higher Production Levels of KE units:	Not more than 50% output
Economical Rates	No reduced prices

So basically the only benefits so far are to KE and end users are not gaining anything . If this is the model we want to implement again then we must be really vigilant that such things are not repeated and end users are also benefitted as per law.

6.3

Modification in claw back mechanism values :

Its interesting that KE is exploring the formula for its own benefit whereas it s not given anything as ye due to end users under this formula now that it was out of the woods in he financial sense.KE has in my opinion already approached NEPRA over it and is delaying any benefits already so the point of agreeing to any upper limit is absolutely impossible. Had KE shown any serious concern towards the sharing of its profits under the claw back mechanism before we would have looked in to the possibility but certainly not with the past track record. A complete and utter rejection to any changes in the limits whatsoever being proposed by KE. The end users have endured a lot . When it was time for some relief KE in its usual legal approach to things mingled up the situation to its own advantage and we have not been given the dues promised to us in that regime .

6.4

Increase in O and M component :

As very well stated that KE has no ability to absorb increases in this category . If this is true for KE then how is that not true for the end users? Are they assumed to be more secure financially then the KE? Is this fair to the end user? Why should they pay for any such enterprise ? KE has the tenacity of approaching courts on the smallest benefit being passed on to the end user eg bill payment charge issue, meter rent issue etc which have been decreed by NEPRA in favour of the end user but with the lawyer team they have its a walk in the park to stop any such benefits. As such KE should absorb this impact and reduce its profits a bit rather than take the bread away from the people .

6.5

Modification in values of O and M cost

The previous indexation method should be continued and the impact of the reduced inflation rate and the following O and M values passed on to KE as per previous practice.

6.6

Working Capital Allowance :

I salute the KE team that came up with this concept. Truly a great leap of faith. Getting free money to cover credit expense. Very original . However since all businesses have certain risks in their system KE has this risk to which it will have to cover from their own resources and not end user money and if NEPRA team sides with KE on this issue it shall be a great dis service to the end user. Completely rejected.

6.7

Force Majeure provision

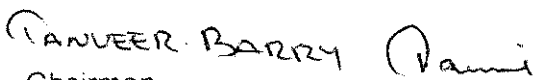
No such benefit is to be passed on to KE s it defies the business ethics and makes KE risk free in all ways. If the units paying it are not insuring against this clause how does KE think they will or must pay for the same event for KE and the impact itself will also be assessed by KE itself not external auditors and NEPRA asked to include it in the tariff if needed. Totally rejected.

6.8.3

T and D losses

NEPRA pays already for theft charges in the per unit price of end users. The fact that as per KE the process of reducing the losses further below 15% is impossible now. So KE has accepted defeat now and is looking for other avenues to save money . In fact the NEPRA should further set a ten year , year by year reduction target just as before to make KE find out ways to reduce their losses further or face the loss in financial gains . In any case any reduction in losses is also the gain of KE itself as it saves money and becomes more profitable .

Regards ,


Chairman

Public Utilities Power and Gas Sub Committee

6.3.3

T and D losses

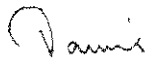
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K-Electric is charging Rs.18/- per Unit for about seven hundred units consumer and the Tariff of commercial unit is also Rs.18 - which is un-justified.

15 paise increase was allowed by NEPRA to K-Electric on the basis of excessive labour now the K-Electric has terminated around 7,000 of their employees, therefore 15 paise should now be withdrawn.

If the present Tariff is to be continued, all Jobs should be reduced by 20%.

Thanks & Regards



Tanveer Ahmed Barry

Chairman

Public Sector Utilities Power and Gas, Sub-Committee (2015-2016)

Dr. Qazi Ahmed Kamal

Advisor

Public Sector Utilities Power and Gas, Sub-Committee (2015-2016)

For information & n/a H.
— SAT/L
17.08.16
— SA (Tech) cr. chairman
— DG/Genl (MSE) VC/M(T)
— Dir (LW) M(LW)
— MIF M(CA)



The Registrar
National Electric Power Regulatory Authority
Islamabad.

Ref. No. RA&SP/NEPRA/188

Dated: August 16th 2016

Subject: Intervention request regarding the proceedings of K-Electric's Multi Year Tariff (MYT)
Petition for the period commencing from July 1, 2016 to June 30, 2026.

Dear Sir

This is with reference to letter no. NEPRA/R/TRF-362/10488-89 dated July 22, 2016 on the captioned subject. Our response on the comments from Karachi Chamber of Commerce & Industry (KCCI) are given below:

Distribution License Issue

The intervener has stated that KE's distribution license is expiring in 2023 whereas, the petition filed asks for a tariff till 2026. In this regard it may be noted that KE is a vertically integrated power utility involved in Generation, Transmission and Distribution activities and accordingly has three licenses with different expiry dates for all the functions. Renewal of these licenses is merely a procedural matter and has no link with the tariff control period.

KE has invested in long term infrastructure development and its asset base has a life of over 20 to 30 years. Most of the investment was done during the last 7 years and KE is continuously investing in system upgradation and expansion every year. This makes the asset base life longer than the expiry of the licenses.

Unbundling

In line with the vision of developing the best possible mode of functioning in the greater interest of customers, KE's management evaluated the option of unbundling the company. NEPRA also encouraged this thought and asked KE to file three separate tariffs. KE started examining the benefits, feasibility and cost implications of unbundling and also engaged A. F. Ferguson & Co. (AFF) and PricewaterhouseCoopers LLP (PwC UK) to analyze the implications of unbundling.

Based on the above, it was concluded that, unbundling in a current scenario (a) would not be the commercially and practically viable option; and (b) would result in an increase in cost in view of the associated issues.

It is pertinent to understand that KE is a unique organization. It has the overall responsibility for developing and managing the power infrastructure in Karachi. This means that unlike other generation and distributions companies, it has to carry out end to end planning of the city's energy system without any sovereign guarantee or GOP support. Power sector planning, as is evident from the current shortfall in Pakistan, requires a more holistic approach and investment in separate functions in isolation can be counterproductive. Therefore, an integrated tariff is the right tariff structure that provides the appetite

for further investment and a bankable security structure to pave way for financing of the investment specifically in the absence of any GOP support. Further, it also protects consumers from being subject to cost increases due to any inefficiency at the utility end through a performance based system.

Consequently, keeping the interest of all stakeholders in mind and current situation, KE decided to file for an integrated tariff to be able to deliver its investment plan with lowest cost and improve system efficiency to further lower consumer tariff over the long term.

Heat Rate, Quarterly & monthly adjustment & TOU meters

KE plants have already undergone heat rate test by independent reputable firms in the presence of NEPRA professionals and KE's quarterly and monthly fuel adjustments are calculated based on the heat rates benchmarked by NEPRA. It should be understood that KE's tariff is a performance based tariff where there is no guaranteed return on investment. The only way KE can earn is to improve the efficiency benchmarks through investments. KE has made huge investments since 2009 and, despite the aggressive benchmarks set initially, KE has been able to improve the fleet efficiency along with other indicators. Therefore, quarterly and monthly fuel adjustments should be continued with the NEPRA approved benchmarks.

With respect to the issue regarding ToU meters, KE is not asking for further deferral of ToU meters. KE has only stated that since the matter is being discussed separately, the matter should be resolved as per the decision reached in respective discussions with NEPRA. KE also urges NEPRA to resolve TOU tariff issues with the issuance of this tariff determination.

Fleet Efficiency

KE has invested around Rs. 120.7 billion across the value chain since FY 09, which includes Rs. 81.4 billion worth of investment in Generation. This represents a 13% increase in total investment compared to the 2009 business plan and has been achieved by foregoing dividends to shareholders and reinvesting profits in the business.

Further, KE was given an aggressive performance benchmarks in 2009 and despite of that KE was successful in increasing the overall fleet efficiency from 30.4% in FY 09 to 37% in FY 15.

As per the performance based tariff structure, the utility has the right to retain the earning arising from efficiency gains which is the incentive it gets to continuously invest in beating the benchmarks, especially when there is no guaranteed return on its investments. However, the tariff structure has an in-built protection mechanism to ensure that excess efficiency gains are shared with consumers in the form of claw back.

Transformer Tripping

Post-2009, major efforts were made for optimizing load distribution which resulted in a 60% reduction in transformer tripping (688 in FY 2009 to 274 in FY 2015). Going forward, KE's significant planned investment in upgradation and expansion of the transmission network would mean that there would be no overloading.

Generation Capacity

KE invested over Rs. 81 billion in enhancing generation capacity and following additions were made:

- 247 MW Combined Cycle Power Plant at Korangi
- 180 MW GE Jenbacher (GEJB) at Korangi and SITE
- 50 MW BQPS-1 rehabilitation
- 560 MW BQPS-2

The additions listed above have resulted in an increase of 1,037 MW in KE's generation capacity over the last seven years. In order to produce cost efficient power and reduce inefficiencies in the system KE decided to decommission power plants that had out lived their useful life and their available capacity & reliability was very low. These plants were highly inefficient and the available capacity mentioned in the generation license did not hold true.

Therefore, KE's efforts and investments to increase capacity should not be undermined by the prudent decision to decommission obsolete plants.

Industrial load shed

KE maintains a zero load shed policy for industrial zones and has kept the industry free from experiencing load shedding since 2010.

During the month of Ramzan, industry experienced occasional load shed only during *Sehr and Iftar* timing as an exception. This was due to the commitment to provide uninterrupted power during *Sehr and Iftar* timings to all residential and commercial consumers. In this regard, KE held discussions with industrial associations that it might need to conduct load shed in industrial zones to balance the demand supply deficit. While KE tried its best to avoid such a situation, the industrial zones experienced load shed occasionally during *Sehr & Iftar* timings.

We would like to thank them for their cooperation in this regard and providing KE the ability to keep Karachi load shed free during these auspicious timings.

Gas Supply Constraints

GSA discussions are going on separately with SSGC and both parties have agreed on a payment plan for arrears. We would like to highlight here that KE's payable to SSGC have accumulated in the past due to the liquidity crunch it faces as a result of late payment from other GOP entities and delay in KE's tariff differential claims. However, considering the interests of consumers in mind, KE signed a payment plan with SSGC in 2012 which links payment of arrears to SSGC with improved gas supply. KE has been paying all its current dues on time since the agreed payment plan and the gas supply has stabilized and is expected to remain the same in future.

New Connection time line

As per clause 4(c), of the NEPRA Performance Standards (Distribution) Rules, the time frame for new connections is specified below:

Voltage Level	Load	Time Limit (Days)
400 v	Upto 15 kW	30
400 v	15 kW - 70kW	53
400 v	70 kW - 500 kW	73
11 kV or 33 kV	500 kW - 5000 kW	106
66 kV and above	All loads	496

KE has improved its timeframe for new connections over the last four years and is compliant with NEPRA's performance standards of providing more than 95% of the new connections as per the prescribed time limit.

Break up of 61% of the city considered load shed free

Load shed is carried out on the basis of "Feeder Wise" loss profile. The total number of Feeders in FY 2016 stood at 1,524. Of these 61% of the feeders were exempt from load shed; these were profiled as low loss, Industrial and strategic feeders.

Estimated GDP improvement of US\$ 1-2 billion

Until 2009 load shed was carried out across the city. Even industrial units were subjected to load shed, meaning loss of output for the economy. Conservative estimate based on 2009 Institute of Public Policy study stated that for every kWh of electricity not available to industry, the economy loses around 50 cents as a national average. After 2010 industries have been exempted from load shed and for additional units provided to the industry it has been estimated that the total contribution to the economy would be in the range of USD 1-2 billion.

Benefits of MYT for customers

We would like to state that it is unfair to say that the only entity that has benefitted from the current tariff is KE and consumers have not gained anything. K-Electric has completely changed from an unsustainable loss making utility to an efficiently run profitable utility. KE's tariff structure is a performance based tariff, the essence of which is that it self penalizes the entity for any in-efficiency. Under this mechanism, the consumer does not have to bear the burden of a guaranteed return being built-in in the tariff, rather the entity is incentivized to investment in order to improve the efficiency, beat benchmarks and earn a reasonable return. This tariff structure has resulted in lower tariff for the end consumers especially when KE was experiencing high losses. In cost plus tariff, the utility is allowed a guaranteed return and hence the tariff would have been higher when the company was incurring huge losses. However since KE was not guaranteed any return as per the performance based mechanism it had to bear the burden of losses and could not earn any return by increasing the tariff. It was only by improving generation efficiency and reducing T&D losses that KE was able to reduce costs and become profitable.

The integrated performance based tariff structure provides the appetite for further investment and a bankable security structure to pave way for financing specifically in the absence of any GOP support or



sovereign guarantee. Under this tariff, KE has been able to invest over Rs. 120.7 billion in the last 7 years. Generation capacity has increased by 1,037 MW, T&D losses have reduced to 23.7%, reliability and quality of power supply has significantly improved and majority of the city is exempt from load shed.

Claw back Mechanism

Intervener has stated that KE has been exploring the clawback formula and delaying profit sharing with consumers for its own benefit. KE has never refused to share the claw back with consumers and does not seek ways to delay it. There is a difference of opinion regarding the interpretation of the claw back formula for which honorable High Court has been approached and KE supports an expeditious resolution of this issue.

Increase in O&M & modification of the X factor

In 2009 petition KE asked for an increase of Rs. 0.64/kwh in the O&M component as the shortfall in O&M had accumulated due to an in-sufficient base tariff in 2002 and an increase in costs faster than CPI. NEPRA, however, allowed an increase of 15 *paisas* which meant that the deficit kept accumulating.

Since the new management takeover in 2009, KE has brought in efficiencies in O&M costs by implementing a number of operational improvements across all business units. However, in spite of these efforts, O&M grew in real terms due to increase in generation, transmission and distribution capacities and other efforts for performance improvement. As per the table below, KE's O&M shortfall stands at Rs. 1.44/kwh in FY 2016. KE is willing to absorb more than half of this cost and is only asking for a one time increase of Rs. 0.66/kwh.

	2016
O&M (Rs. Million)	37,240
Units Billed (Gwh)	12,865
O&M cost per unit (Rs./ Kwh)	2.89
O&M cost allowed in tariff (Rs./Kwh)	1.45
Shortfall (Rs./Kwh)	1.44

KE has requested for a small portion of the shortfall which will ensure that it does not divert significant funds away from planned capital expenditure in order to meet the deficit in the recovery of O&M costs. It is notable that, as per the business plan after incorporating the impact of 66 *paisa*, KE will still be bearing average shortfall of Rs. 1/Kwh in the next 10 years on account of O&M.

With respect to the X factor modification, in the current low inflation scenario increase in CPI in May 2015 was 3.16%. This meant that with X factor at 2% (for Generation & Transmission) and 3% (for Distribution) KE was only allowed an indexation of 1.16% and 0.16% respectively. Given that the utility is already experiencing a significant shortfall in O&M component allowing such negligible indexation would result in further exacerbating the deficit. Several cost heads increase faster than the rate of CPI growth and KE is currently being allowed an increase significantly lower than the inflation itself. Therefore it is only reasonable to modify the X factor so that KE has some cushion to manage its O&M costs while also continuously working towards making them more efficient.

Working Capital Allowance

KE, like other power sector utilities, is severely affected by liquidity crunch due to lack of timely payment by government entities and other public sector consumers. These are uncontrollable and unavoidable costs and it is unfair with KE that it is being made to bear the burden of non-payment by government consumers.

As an example, Karachi Water & Sewerage Board owed Rs. 36 billion to KE as at July 25, 2016. KE cannot disconnect KWSB as it is a strategic consumer and hindrance in its operations will cause difficulty for the entire city.

Force Majeure Provision

KE has requested for coverage due to force majeure event such as earthquakes, floods, acts of terrorism etc. We would like to clarify that this component is not included in the tariff calculations. KE has requested that only in case a force majeure event happens, there should be a clause in the determination through which the unavoidable costs could be recovered. This component is included to ensure the ability to cover the costs of resuming the operations and hence lowering the sufferings of consumers at large in case of force majeure event.

T&D Losses

The intervener's statement that KE has accepted defeat with respect to reducing its T&D losses is incorrect. KE has made significant progress towards reducing the T&D losses and has major investment plans to continue to do so.

We would like to highlight that the performance benchmarks set initially were aggressive. This issue was also highlighted in the 2009 petition, however, the benchmarks were not revised. KE, however, did not shy away from the challenge and invested to realistically improve T&D as much as possible and continues to do so.

KE has invested around Rs. 36.5 billion since FY 09 in Transmission and Distribution. As a result, system resilience has improved through the reduction of SAIDI by 861 minutes (40%) in last four years, and the reduction of SAIFI by 73% from FY09 to FY15. T&D loss has also reduced from 35.9% in 2009 to 23.7% in FY 15. Currently, the KE's transmission loss is at 1.4% which is close to the international benchmarks.

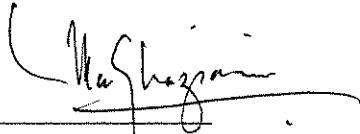
We would also like to add that, T&D loss phenomena should be understood in the light of ground realities. Karachi is a unique city with its own challenges and dynamics. Unlike other major cities of Pakistan, a significant proportion of Karachi's population lives in illegal settlements on 'unleased' land. KE is unable to install meters in these areas due to the illegal nature of the settlements and has limited avenues to curb the theft of electricity, by residents, through illegal connections to the distribution network. Furthermore, the volatile law and order situation in the city especially restricted access to certain areas, due to localized issues, continues to affect the company's ability to curb theft and ensure timely payments. Total T&D loss is significantly affected by high loss areas such as Liyari, Gadap, Orangi, Baldia and Surjani, etc. KE has administratively divided its distribution areas in 29 parts with each area having its own Integrated Business Centre (IBCs). 12 out of 29 IBC areas are categorized as high loss where distribution

loss percentage is 36.4% (2016) due to the challenges above, whereas distribution loss in rest of the 17 IBC areas is 13.7% (2016) i.e. below 15%.

The intervener has also questioned why there is no relief given to the consumer as T&D losses have reduced from more than 35% to 23.7%. Currently NEPRA's benchmark for T&D loss is 15% which is lower than KE's actual T&D loss and therefore consumers are duly protected from the impact of a higher T&D loss. Further, as per the performance based tariff structure, the utility has the right to retain the earning arising from efficiency gains which is the incentive it gets to continuously invest in beating the benchmarks and improving service quality, especially when there is no guaranteed return on its investments. However, the tariff structure has an in-built protection mechanism to ensure that excess efficiency gains are shared with consumers in the form of clawback.

We hope that the above responses have addressed the concerns of the intervener.

Sincerely,



M. Aamir Ghaziani

Director (Finance & Regulations)



جماعت اسلامی

حلقہ کراچی

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

فیکس: ۳۳۹۱۱۲۱۸

ٹیلی فون: ۳۳۹۱۱۹۹-۳۳۹۱۸۳۱۰

۵۰۳ قائدین کالونی - نزد اسلامیہ کالج - کراچی

حوالہ نمبر:

تاریخ:

For information & m.p.

DDI-VI / 12/7

Q.A.D.

11.07.16

— SACTE-I chairman
— SACTech - c(m&E) vc(m&E)
— Dir (M&E) M(L&E)
— M.I.F. M(C&E)

Registrar NEPRA

NEPRA office Building, Tower Attaturk Avenue (East),
Opposite Federal Flood Commission Building, Sector G-5/1, Islamabad.

Register No.	7134
Date	11-07-16

Friday, July 01, 2016

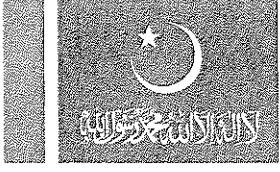
Subject: MULTIYEAR TARIFF PETITION FILED BY K-ELECTRIC LIMITED (K-ELECTRIC) FOR DETERMINATION OF TARIFF FOR THE PERIOD COMMENCING FROM JULY 01, 2016 TO JUNE 30, 2026

Dear Sir,

With reference to your notice of admission published on dated 24-06-2016 at NEPRA's website on subject matter as mentioned above. I would like to be intervenor on said subject. I enclosed herewith Pay Order in the name of "NATIONAL ELECTRIC POWER REGULATORY AUTHORITY".

Suggestions for tariff reduction in the favor of consumer on the following grounds.

1. Lower Furnace Oil Prices
2. K.E has currently less employee 10,000 as compare with 17,567 in 2009.
3. Customer base 2.5 million as compare with 1.8 million in 2009.
4. KE is violating the spirit of Multi Year Tariff by looking to power purchases from external sources and lease out options and is proposing to pass-on the total cost to the consumers. I strongly demand to decrease in tariff and KE should build new and efficient plant and run at full capacity.



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فیکس: ۳۴۹۱۱۲۱۸

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۵۰۳ قائدین کالونی - نزد اسلامیہ کالج - کراچی

حوالہ نمبر:

تاریخ:

5. KE deliberately underutilized its available generation capacity and thereby acted in violation of rule 8(3)(b) and (f) of the Generation Rules of NEPRA
6. Fluctuating voltages damaging the electrical appliances of consumers. K.E should give compensation to the consumers having damaged appliances due to high/Low voltages.
7. Charging of Meter Rent and Bank Charges violation of Multi-year tariff; KE was given multi-year tariff by the Authority in the year 2002. As per spirit of multi-year tariff, the tariff was locked for certain period of time and during that locked period, KE cannot claim any other expense or charge, any other cost in any head to the consumer and it can only claim certain predetermined adjustments and variations as expressly provided in the multi-year tariff determination and its adjustment mechanisms. Further, KE being a distribution licensee can only charge such rates, tariff and other charges as determined/approved by the Authority and notified in the official Gazette. Therefor KE should reimburse meter rent and bank charges to the consumers.

Having said above I have the following complaints and observations regarding K Electric poor performance and inefficiency.

1. The KE failure to fulfill its service obligation in breach of section 21 of the NEPRA Act read with of Rule 8(1)(b) of the NEPRA Licensing (Distribution) Rules 1999, including, but not limited to the KE's **failure to ensure uninterrupted power supplies to the consumers within its service territory.**
2. The KE failure to provide distribution services within its licensed territory on a non-discriminatory basis and its apparent discrimination between consumer and group of consumers in violation of section 21(2)(b) of the NEPRA Act, rule 10(b)(ii) of the NEPRA Licensing (Distribution) Rules 1999 and the terms and conditions of its License including but not limited to **excessive load shedding carried out by the Licensee in certain areas during the month of Ramadan including sehar and iftar timings (June 2016) in soaring temperatures subjecting the consumers to bear load shedding cycles without longer respite periods in between.**



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۵۰۳ قائدین کالونی - نزد اسلامیہ کالج - کراچی

حوالہ نمبر:

تاریخ:

3. The KE failure to dispatch power from its own plants and the IPPs causing a reduction and deliberate under-utilization of the available net-generation capacity at various time during the last two years and thereby resulting in the violation of Rule 8 (3) (b)&(t) of the NEPRA Licensing (Generation) Rules 2000.
4. The K Electric failed to restore the supply of power to the affected consumers in case of unscheduled or unplanned interruption in supply of power within the time limit specified in the Performance Standards (Distribution) Rules 2005 which amounts to violation of rule 3(3)(a) thereof and Article 11 of its Distribution License, particularly in case of replacement of PMTs there was electricity interruption ranging from 12 hours to 96 hours.
5. Violation of Article 7 and 27 of the Transmission License by failing to upgrade enhance, plan and maintain the integrity, reliability and efficiency of its transmission and distribution system.
6. Unjust and unlawful Rs 40 billion KE's profit.
It is interesting to point out that KESC at the time of privatization suffering a loss of about Rupees 15 billion per year. It is very strange and astonishing that the company has earned a profit about Rs 40 billion in a year 2016. Which is a huge turnover within a span of 7-year. Specially when the number of consumer has raised only by 2 hundred thousand only and tariff remain the same, it seems that some juggling have been arranged to swindling the consumers.
7. Discriminatory Load shedding Policy
KE's discriminatory load shedding in loss making areas. KE is not legally entitled to shed load in loss making areas across the board as it is bound to supply electric power to a consumer who is paying its dues and comes within the definition of consumer as per eligibility criteria laid down by the NEPRA. Consumers who pays their dues should no face load shedding.
8. Current variation in SLAB based tariff which unfairly disadvantage consumers
 - a) A consumer who uses less than 50 units is never charged at Rs 2 per unit. But instead an amount of Rs 75 as minimum charges is levied.
 - b) As per formula suggested by consumer in NEPRA meeting and agreed by the authority Slab 1-100 should start from 51-100 giving benefit of first slab of 50 units to the consumer.



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۵۰۳ قائدین کالونی - نزد اسلامیہ کالج - کراچی

حوالہ نمبر: _____

تاریخ: _____

c) New Slab system adopted by KE is entirely to disadvantaging of the consumers and their being forced to pay more money than it was being paid in the previous years.

9. **Subsidy Compensation to the Consumers.**

It is also interesting to note that when subsidy have been reduced on the advised of IMF. The tariff have been increased by 25% in the year 2014. But during the previous years from 2009 – 2013. The subsidy was increased from Rs 5 billion per year to Rs 76 Billion per year in a year 2013. But during all this period the tariff remain the same whereas as per fair practice the tariff should have also been reduced.

I will submit all supporting documents and raise further points at the time of petition hearing.

I hope you will consider my suggestions in favour of deprived consumers of KE and invite me as an intervener.

Thanks and Best Regards

Eng. Hafiz Naeem Ur Rehman
President Jamaat e Islami Karachi.

And

Imran Shahid
Head of JI Karachi's Electricity Complaints Cell

Account Payee Only

alBaraka
Al Baraka Bank (Pakistan) Limited
(0123) Khalid Bin Walid Road Branch,
Karachi.

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Karachi.

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PKR 300.00

Authorised Signatory AQHEEL HASHMI
PA/Attorney No. 1231002721

10

Comm. No.



جماعت اسلامی

حلقہ کراچی



فیکس: ۳۳۹۱۱۲۱۸

ٹیلی فون: ۳۳۹۱۱۹۹-۳۳۹۱۸۳۱۰

۵۰۳ قائدین کالونی - نزد اسلامیہ کالج - کراچی

۲۰ جون ۲۰۱۶

تاریخ:

حوالہ نمبر: 508/16

Retired Brigadier Tariq Mahmood Khan Sadozai
Chairman
NATIONAL ELECTRIC POWER REGULATORY AUTHORITY
NEPRA Tower Attaturk Avenue (East), Sector G-5/1, Islamabad.

For information & info 19

SAI-I
Gp 15.

11.07.16

SA Tech

Control (MSE)

Dr (Lia)

M/E

Chairman

Vc/M(T)

M(Lia)

M(CA)

Wednesday, June 22,

2016

Subject: Multi-Year tariff (MYT) will be ended on June 30, 2016. Suggestions for upcoming new tariff and want to participate as an intervener.

Dear Sir,

Suggestions for tariff reduction in the favour of consumer on the following grounds.

1. Lower Furnace Oil Prices
2. K.E has current less employee 10,000 as compare with 17,439 in 2009.
3. Customer base 2.5 million as compare with 1.8 million in 2009.
4. KE is violating the spirit of Multi Year Tariff by looking to power purchases from external sources and lease out options and is proposing to pass-on the total cost to the consumers. I strongly demand to decrease in tariff and KE should build new and efficient plant and run at full capacity.
5. KE deliberately underutilized its available generation capacity and thereby acted in violation of rule 8(3)(b) and (f) of the Generation Rules of NEPRA
6. Fluctuating voltages damaging the electrical appliances of consumers. K.E should give compensation to the consumers having damaged appliances due to high/Low voltages.
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REGISTERED
By No. 7683
11-07-16

By No. 3425
Date: 30-6-16

Senior Auditor
By No. 5781
Date: 12-7-16



جماعت اسلامی

حلقہ کراچی



۵۰۳ قائدین کالونی - نزد اسلامیہ کالج - کراچی ٹیلی فون: ۳۳۹۱۸۳۱۰ - ۳۳۹۱۱۱۹۹ فیکس: ۳۳۹۱۱۲۱۸

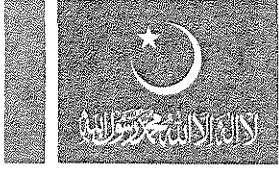
حوالہ نمبر: 508 / 16

تاریخ:

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۵۰۳ قائدین کالونی - نزد اسلامیہ کالج - کراچی

حوالہ نمبر: ۵۰۸/۱۶

تاریخ:

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Thanks and Best Regards

Eng. Hafiz Naeem Ur Rehman
President Jamaat e Islami Karachi.



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فیکس: ۳۲۹۱۱۲۱۸

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۵۰۳ قائدین کالونی - نزد اسلامیہ کالج - کراچی

Ref: JI-KE-issuesMYT
By Email, Fax and TCS

051-2600026

registrar@nepra.org.pk

Registrar NEPRA

NEPRA office Building, Tower Attaturk Avenue (East),
Opposite Federal Flood Commission Building, Sector G-5/1, Islamabad.

Monday, October 10, 2016

ISSUES FOR HEARING REGARDING INTEGRATED MULTI YEAR TARIFF (I-MYT) PETITION
SUBMITTED BY K-ELECTRIC LIMITED FOR THE PERIOD FROM JULY 1, 2016 TO JUNE 30, 2026

1) Whether the Petitioner's request for continuation of existing Multi Year
Tariff (MYT) is justified?

NOT JUSTIFIED; adversely burdening the electricity consumers. Original MYT tariff
determined by NEPRA in year 2002 was on higher side. Amendments made during the
past years were not justified and not acceptable.

2) Whether the tariff should be based on price cap or revenue cap regime?

PRICE CAP

3) Whether the duration of MYT control period should be 10 years as proposed by
the Petitioner?

5- YEARS

4) Whether the proposed change in sharing mechanism's thresholds from 12%, 15%
and 18% to 15%, 18% and 20% are justified?

NOT- JUSTIFIED

5) Whether the existing calculation methodology with respect to Claw Back
Mechanism is justified?

YES

6) Whether the Petitioner's request for continuation of existing monthly,
quarterly and annual adjustment mechanism is justified?

NOT JUSTIFIED AND ILLEGAL

7) Whether the request of the Petitioner to allow working capital allowance to
cover late payments by Government entities and Tariff Differential Claims (TDC)
by the Government is justified?

For information &
SAT-I mfr H.
Cp. to:

SAT (ch)

Dir (L-)

LACRIP) - m/f

14.10.16

cc: chairman
vc / m (T)

m (L-)
mca,

8/10/16

By No. 2968
Date: 12-10-16

By No. 2968
Date: 14-10-16



جماعت اسلامی

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فیکس: ۳۲۹۱۱۲۱۸

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۵۰۳ قائدین کالونی - نزد اسلامیہ کالج - کراچی

حوالہ نمبر:

تاریخ:

NOT JUSTIFIED - WHY EXTRA BURDEN ON CONSUMER BECAUSE OF LATE PAYMENTS BY GOVERNMENT

8) Whether the request of the Petitioner for inclusion of a force majeure clause for adjustment of irrecoverable costs due to business disruption in case of force majeure event is justified?

NOT JUSTIFIED

9) Whether the Petitioner's assumption of continuation of the protection under the Implementation Agreement throughout the tariff control period including the guarantee of payment of strategic customers is justified?

AMENDMENTS IN AGREEMENT IS ILLEGAL AND NOT ACCEPTABLE

10) Whether the Petitioner's proposed increase of Rs.0.66/ kWh on the existing O&M cost allowed by the Authority is justified?

NOT JUSTIFIED - NON-PRUDENT UTILITY - NO INCREASE IN CAPACITY AS PER AGREEMENT - EFFICIENCY TARGET NOT ACHIVED.

11) Whether the claimed addition in Generation, Transmission and Distribution by the Petitioner is justified and what are the Petitioner's financing plan in this regard?

NOT JUSTIFIED: WITH RESPECT TO KE'S CLAIM TO HAVE ADDED 1037 MW IN THE SYSTEM, AFTER DECOMMISSIONING AND PERMANENT CLOSURE OF CERTAIN PLANTS, ONLY 350 MW HAS BEEN EFFECTIVELY ADDED TO THE SYSTEMS. WITH ANNUAL DEMAND INCREASES, KE IS ABLE TO MAINTAIN ITS SYSTEM UNDER THE GRAB OF A LOAD-SHEDDING POLICY. NOT ACHIEVED T&D LOSSES TARGET DUE TO NOT INVEST ON TRANSMISSION.

12) Whether the Petitioner have a Control Center to dispatch and control its generation facilities.

NOT IN REAL TIME; OTHERWISE IT SHOULD BE ACCESSABLE AND EXPOSED TO THE NEPRA

13) Whether the current practice of the Petitioner to carry out load shedding, despite having sufficient own generation facilities, is justified?

UNJUSTIFIED ILLEGAL AND VOILATION OF NEPRA'S RULES

14) Whether the request of the Petitioner to maintain the existing target heat rates of its Power plants is justified?

NOT-JUSTIFIED

15) Whether the request of the Petitioner to maintain the existing target of auxiliary consumption of 6.1% for its entire generation fleet is justified?



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۵۰۳ قائدین کالونی - نزد اسلامیہ کالج - کراچی

حوالہ نمبر:

تاریخ:

NOT - APPLICABLE

16) Whether the request of the Petitioner to allow efficiency factor "X" as lower of 2% or 30% of increase in CPI allowing annual indexation in O&M cost component of generation is justified?

NOT- JUSTIFIED

17) Whether the Petitioner has renewed/ entered into long term Fuel Supply Agreements (FSA) for firm supply of Furnace Oil?
KE SHOULD SHOWS RELEVANT AGREEMENTS (FSA) DOCUMENTS.

18) Whether the Petitioner has signed Gas Supply Agreement with Sui Southern Gas Supply Company (SSGCL) for firm supply of gas?

CURRENTLY - NO

19) Whether the existing mechanism of calculating the weighted average cost of furnace oil while working out the monthly / quarterly adjustments is justified?

NOT- JUSTIFIED

20) What are the projections of plant wise generation of energy and energy planned to be procured from external sources for the MYT control period and what is the component wise detail of power purchase cost / price?

KE SHOULD ANSWER

21) Whether any cap on power purchase be placed in relation to the new generation by the Petitioner's own resources?

PURCHASING FROM OTHER THAN KE RESOURCES SHOWS KE WORKING AS A NO PRUDENT UTILITY.

22) Whether the plan of the Petitioner to procure 650 MW from CPPA-G till 2020 is justified? What should be the rates for these purchases i.e. Basket or Marginal rates? K-Electric to respond this issue in light of CCI decision dated November 08, 2012.

NOT JUSTIFIED IF KE CLAIMS PRUDENT UTILITY.

23) Whether the planned purchases of K-Electric are in line with the competitive market regime (both generation and retail) being envisaged by NEPRA?
KE SHOULD INCREASE THEIR OWN POWER GENERATION AT LOWER RATE.

24) Whether the Petitioner's request to allow the supplemental charges i.e. WWF/ WPPF payable to IPP's, as a pass through item is justified?

NOT-JUSTIFIED

25) Whether the request of the Petitioner to maintain the existing target with respect to T&D losses is justified?



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بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

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۵۰۳ قائدین کالونی - نزد اسلامیہ کالج - کراچی

حوالہ نمبر:

تاریخ:

NOT-JUSTIFIED AS A PRUDENT UTILITY - IT SHOULD BE FURTHER DECREASE T&D LOSSES.

26) Whether separate target of losses should be set for Transmission (220 kV) and Distribution (132kV and below) segments?

YES.

27) Whether the request of the Petitioner to allow efficiency factor "X" as lower of 2% or 30% of increase in CPI allowing annual indexation in O&M cost component of Transmission is justified?

NOT-JUSTIFIED

28) Whether the request of the Petitioner to allow efficiency factor "X" as lower of 3% or 30% of increase in CPI allowing annual indexation in O&M cost component of Distribution is justified?

NOT JUSTIFIED

29) Whether the planned addition of new connection (i.e. over 800,000 Nos.), demand in MW & Energy sale in GWh is justified? K-Electric may provide consumer category wise details in this regard.

KE should reply.

30) What are the estimates of year wise improvements in the performance benchmarks of the Petitioner considering the projected business plan and proposed investments? The Petitioner may submit the detailed year wise analysis regarding improvement in its performance standards (i.e. T&D losses, LT/HT Ratio, overloading, SAIFI, SAIDI etc.)

KE should reply

31) Whether the Petitioner has installed TOU meters and is charging its consumers on the basis of TOU rates?

NOT-INSTALLED IN GENERAL

32) Whether separate charging of Meter Rent from the consumers is justified?

NOT JUSTIFIED - KE was given multiyear tariff by the Authority. As per the spirit of multiyear tariff, the tariff was locked for certain period of time and during that locked period KE could not claim any other expense or charge, any other cost under any head to the consumer and only claim certain predetermined adjustments and variations as expressly provided in the multi-year tariff determination and its adjustment mechanisms. Further, KE being a distribution licensee could only charge such rates, tariff and other charges as determined/approved by the Authority and notified in the official Gazette.



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۵۰۳ قائدین کالونی - نزد اسلامیہ کالج - کراچی

حوالہ نمبر:

تاریخ:

33) Whether separate charging of Bank Collection Charges from the consumers is justified?

UNFAIR AND ILLEGAL

34) Whether the non-payment of interest on consumer's security deposits is justified?

SHOULD BE PAID AS PER PAST PRACTICE AND FAIR POLICY.

35) What is the basis of amount being charged in respect of new connections by K-Electric from different categories of consumers?

CURRENTLY CHARGING AT HIGHER RATE.

36) What are the concerns of the Petitioner on the application of domestic tariff for Government office, educational institutions and religious institutes?

SUBJECT TO BE SOCIAL AND ECONOMICAL BENEFITS FOR THE SOCIETY

37) Whether the proposed category wise consumer end tariff is purely cost reflective? Whether the existing terms & conditions of consumer categories (including life line) are needed to be revised?

YES

38) What will be the mechanism for inter DISCO wheeling?

NEPRA should define and discuss prior to implement.

39) Any other issue that may come up during the hearing or afterwards?

SEVERAL ORDERS NEED TO BE IMPLMENT AND PENDING PETITIONS FROM CONSUMERS.

Thanks and Regards

Eng. Hafiz Naeemur Rehman
President Jamaat e Islami Karachi
Intervenor

Jamaat-e Islami Karachi 503 Quaideen Colony New M.A Jinnah road Karachi
Ph: 021-34911217 Mobile# 0300-9291222 Fax: 021-34911218

For information & reply
 — SAT-I
 — SACTech
 — DG (MSE)
 — Dir (LH)
 — M/F

31.08.16
 cc: Chairman
 VC/M(T)
 M (LH)
 M (CA)



The Registrar
 National Electric Power Regulatory Authority
 Islamabad

Ref. No. RA&SP/NEPRA/194
 Dated: August 29, 2016

Subject: Intervention request regarding the proceedings of K-Electric's Multi Year Tariff (MYT) Petition for the period commencing from July 1, 2016 to June 30, 2026.

Dear Sir

This is with reference to letter no. NEPRA/R/TRF-362/10406-07 dated July 22nd, 2016.
 Our response to the comments of Mr. Hafiz Naem Ur Rehman, Jamaat-e-Islami Karachi, are given below:

General Points on Tariff (points 1-4 on pg. 1):

Lower Furnace Oil Prices

KE's tariff is a Multi-Year Tariff (MYT) in which fuel price variation on account of own generation and power purchase cost are passed through in the tariff along with CPI indexation of O&M. This means that market fuel prices are reflected in consumer tariff which showed a reduction as a result of a recent drop in fuel prices.

No. of employees significantly less than in 2009

We would like to highlight that the decrease in absolute number of employees is due to the fact that certain non-core services have been outsourced. This has been done in line with best practices followed locally as well as internationally. It is important to state that there is still a significant gap between the O&M allowed in the tariff and the actual cost being incurred by KE.

Increase in customer base

We would like to clarify that increasing consumer base does not mean an automatic reduction in tariff. Rather in order to meet the growing demand of Karachi KE has to make significant investments in increasing its generation, transmission and distribution infrastructure. We would further like to add, that since KE has a performance based tariff the consumer is protected from any imprudent investment and inefficiency on the utility's end. The integrated performance base tariff would give KE the ability to deliver its investment plan with lowest cost and improve system efficiency to further lower consumer tariff over the long term.

Reliance on external power sources

Unlike other generation and distribution companies, KE is responsible for end to end planning for Karachi's power infrastructure. In order to meet the growing demand of Karachi, KE not only utilizes its generation capacity but also purchases power from external IPPs. It is incorrect to state that KE does not utilize its

own generation capacity and relies only on IPPs or KE has not invested in efficient generation. Over the last few years K-Electric has invested over Rs. 120.7 billion of which Rs. 81.4 billion was spent on enhancing generation capacity and KE was able to add 1,037 MW, as listed below:

- 247 MW Combined Cycle Power Plant at Korangi
- 180 MW GE Jenbacher (GEJB) at Korangi and SITE
- 50 MW BQPS-1 rehabilitation
- 560 MW BQPS-2

Through adding such fuel efficient plants KE was able to improve its overall fleet efficiency by 22%. KE has planned to invest another Rs. 203 billion on new generation capacity and upgrading existing generation assets over the next ten years as already detailed in the petition.

Underutilization of Generation Capacity (point 5 on pg. 2 & point 3 on pg. 3)

Given the limited resources available, KE has always strived to optimize generation output and has never intentionally reduced generation capacity. In fact, in the years following 2009, KE has added generation units and enhanced the capacity of older ones to increase the output. It should be noted that certain factors such as gas availability, ambient temperature, availability of gas load, planned and unplanned outages, force majeure etc. play an important role in determining the available capacity at a certain period of time.

Further, as required by NEPRA, KE follows an Economic Merit Order (EMO) to utilize plants based on the maximum demand recorded in the load dispatch center (LDC) and as such there is no deliberate underutilization of generation capacities. As per the EMO, power plants are placed in a hierarchy based on their cost effectiveness. The most cost effective plant is utilized first followed by the next in line and so on. The purpose of following the EMO is to produce power at the lowest possible cost so that the end consumer does not bear the burden of high fuel cost due to inefficient operations.

Another crucial factor is the fact that there is a difference between nameplate capacity and actual available energy during operation by KE of its plants, therefore the whole generation scenario needs to be viewed in a holistic way. It is pertinent to mention that KE's BQPS-II state of the art 560 MW gas power plant has been widely praised and has even won the international award provided by IFC/The Economist. KE remains committed to a long term strategy and providing value to its consumers.

Charging of Meter Rent and Bank Charges (point 7 on pg. 2)

The captioned subject is already the subject matter of pending litigation in the Honourable High Court of Sindh and therefore without making any comment on the merits, KE reiterates that issue is sub-judice and the position taken by KE is entirely consistent with its legal position and rights under the law.

Distribution Performance Standards and Load shed (point 1, 2 on pg. 2 and point 4 & 7 on pg. 3)

We would like to outrightly deny the allegations of the intervener as baseless and unsubstantiated. Load Shed is not a new phenomenon and has been a steady part of the GOP's policies for decades. State owned

already highlighted in the petition that KE's distribution infrastructure is aging and is in need of considerable capital expenditure on maintenance and replacement. KE has invested in upgradation of the same in the past and plans to invest Rs. 108 billion on upgradation and expansion of the distribution system over the next ten years.

Article 7 & 27 of the Transmission License (point 5 on pg. 3)

KE denies any violation of Article 7 & 27 of the transmission license and has invested significantly to upgrade, enhance, plan and maintain the integrity, reliability and efficiency of its transmission and distribution system.

KE has invested around Rs. 36.5 billion since FY 09 in Transmission and Distribution. As a result, system resilience has improved through the reduction of SAIDI by 861 minutes (40%) in last four years, and the reduction of SAIFI by 73% from FY09 to FY15. KE has increased transmission capacity by 768 MVA (19.5%) and distribution capacity by 2,351MVA (55%) through investment in T&D infrastructure. Further, transformer tripping have reduced by 60% between FY09 and FY15 and T&D losses have reduced from 35.9% in FY09 to 23.7% in FY 15.

Going forward, KE is focusing more on investing in transmission and distribution over the next 10 years. KE has planned an investment of Rs. 179 billion in enhancing and upgrading transmission capacity; and another Rs. 108 billion in distribution improvements.

High Profits (point 6 on pg. 3)

We would like to highlight that the current management has been able to completely change KE from an unsustainable loss making utility to an efficiently run profitable utility. However, this is done through relentless dedication and commitment and not because of any unethical practices as alleged by the intervener.

In total, KE has invested over Rs. 120 billion across the value chain since 2009, including Rs. 81.4 billion in generation. This investment enabled the Utility to add 1,037 MW in the generation capacity and improve overall fleet efficiency from 30.4% in FY 09 to 37% in FY 15. As stated earlier there has been an increase in transmission capacity of 768 MVA (19.5%) and in distribution capacity of 2,351 MVA (55%) through enhancements in infrastructure. T&D losses reduced from 35.9% in FY 09 to 23.7% in FY 15. Further, there was a reduction in fault rates, transformer tripping, improved system resilience and better customer service through one-window solution in the form of Integrated Business Centers (IBC). All these measures resulted in KE recording its first profit after 17 years in 2012-13 and exempting 61% of the Karachi from load shed over the last seven years.

It is important to understand that "high profit" is a relative term. KE has earned profit before tax of Rs. 1.7 billion to Rs. 15 billion in the last four years.

	2012	2013	2014	2015
	Rs. in million			
Profit before tax	1,752*	4,001*	9,575	15,076
Share capital and reserves				
Opening	113,837	125,313	128,389	130,709
Closing	125,313*	128,389*	130,709	157,784
Average	119,575	126,851	129,549	144,247
Return %	1%	3%	7%	10%
Return on operating Assets (Fixed assets and intangible)				
Opening operating assets	167,514	170,443	165,186	170,663
Closing operating assets	170,443*	165,186*	170,663	214,003
Average	168,979	167,815	167,925	192,333
Return on assets	1%	2%	6%	8%

As can be seen from the table above, KE has earned a return on capital & reserves ranging from 1% to 10% and a return on assets ranging from 1% to 8% in the last four years. These are lower than the current market returns as IPPs are being allowed dollar based IRR ranging from 15% to 17% (IRR of 22-23% in PKR terms). In spite of low profit, KE's shareholders did not take any dividends and preferred to re-invest all the profits back in the company to continue the improvement process.

Further we would like to state that KE's accounts which are made public annually are duly audited and KE is compliant with all rules and regulations in this regard.

Slab system (point 8 on pg. 3)

With respect to Intervener's comments on the slab system, we would like to state that the change in the slab system is a policy decision taken by MoW&P and NEPRA.

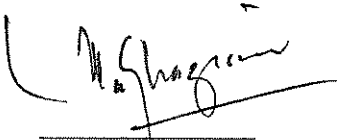
Subsidy compensation (point 9 on pg. 4)

Intervener has claimed that KE's subsidy has increased whereas, the tariff has not reduced. It is important to understand that the Government has a uniform tariff policy for consumers across Pakistan and accordingly does not allow DISCOs like KE to charge full determined tariff to the consumers. As per this policy the GOP bears the burden of the differential between the determined tariff (given by NEPRA) and the lower applicable tariff that is charged to the end consumer. This is called the 'Tariff Differential Claim (TDC)' and is a relief for customers and not a subsidy to support KE. Tariff Differential claims are filed as per notified rates and are duly verified by the Ministry.

Further, we would like to clarify that adjustments in the determined tariff are only made on account of CPI indexation of O&M and fuel cost variations as per a prescribed procedure. The increase in tariff differential claims is a result of government's policy to not pass on the total increase in tariff to customers.

We hope that the above responses have addressed the concerns of the intervener.

Sincerely,



M. Aamir Ghaziani
Director (Finance & Regulations)

Received alongwith Cheque 745-290/-

14-07-2016

The Registrar,
N.E.P.R.A.,
Ataturk Avenue (East),
Sector G-5/1,
Islamabad.

Sir,

Sub: Petition filed by K-Electric for the determination of its
Multiyear Tariff for the period from 1-7-2016 to 30-6-2026

This is with reference to the above cited subject on which the Authority has invited the intervention
of stake holders for participation in the hearing.

REGISTRATION	7340
By No.	18-07-16
Dated	

The undersign hereby submit this request for the participation, in the aforesaid upcoming hearing, as
an intervener. Necessary intervention fee in the form of demand draft and affidavit are enclosed.

You are, therefore, requested to please register the undersign as an intervener for the above said
hearing.

Sincerely yours,



Muhammed Arif Bilvani

2-A, South Park Avenue, Ph. 2, D.H.A., Karachi.

03008229570

encl: as above

For information & n/a R.
— SAT-I

Cylo:

— SA(Tech)

— D/Ry-I/AR

— m/E

18.07.16

cc: chairman
ve/mCT)
m(Lic)
m(CA)

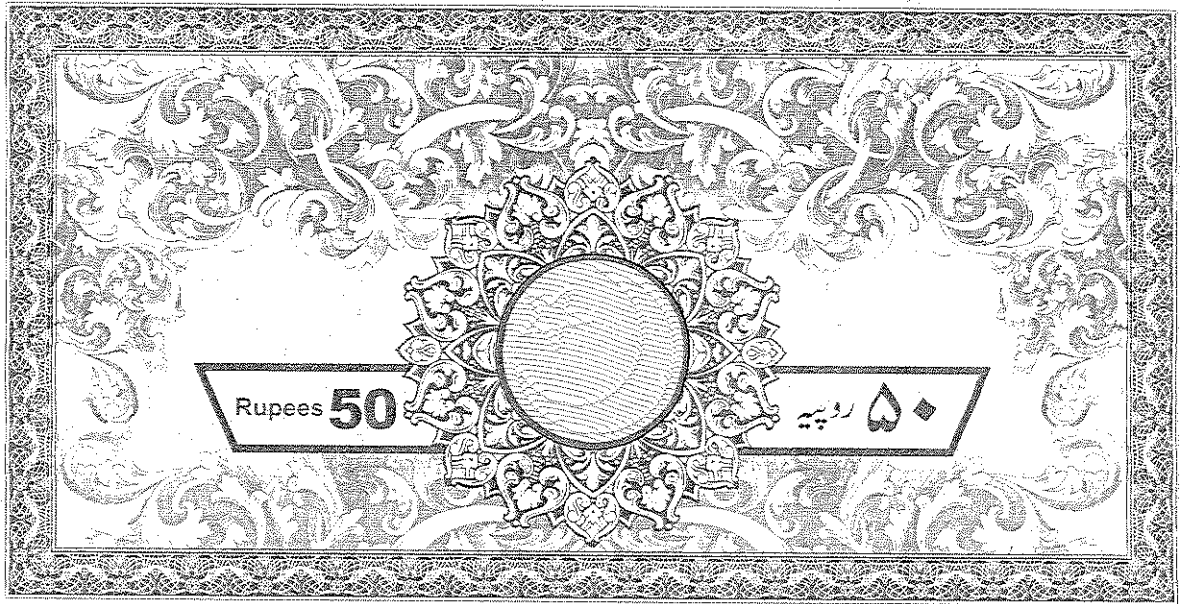
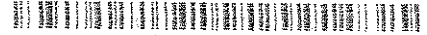
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**HABIB ULLAH**

Stamp Vendor's Licence No. 123.

28 OCT 2015

Rev. No. 98 Stamp Tax Court, Karachi.

S.N.

ISSUED TO WITH ADDRESS

HAJI HABIB-UL-GHAFFAR

THROUGH WITH ADDRESS

Advocate

VALUE RS.

ATTACHED

C. No. 114/KSA

STAMP VENDOR'S SIGNATURE

AFFIDAVIT

I, MUHAMMED ARIF BILVANI S/O. HAJI SHARIF, MUSLIM, ADULT, RESIDENT OF KARACHI & HOLDER OF NIC No.42201-9130852-5, SOLEMNLY AFFIRM ON OATH THAT WHATEVER THAT HAS BEEN STATED IN MY INTERVENTION REQUEST BEFORE THE AUTHORITY NEPRA IN THE MATTER OF MULTI YEAR TARIFF PETITION FILED BY K-ELECTRIC LTD FOR DETERMINATION OF ITS TARIFF FOR THE PERIOD COMMENCING FROM JULY 1, 2016 TO JUNE 30, 2026 IS TRUE TO MY BEST OF KNOWLEDGE AND BELIEF.


DEPONENT.

Account Payee only

HABIB METROPOLITAN BANK LTD.

Jodia Bazar Branch
Branch Code : 15

On Demand Pay NATIONAL ELECTRIC POWER REGULATORY AUTHORITY Or Order
Rupees two hundred and ninety only

Drawee Bank/Branch
Habib Metropolitan Bank Ltd.
Islamabad Branch (10)
Islamabad

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D.D. No. 01332817

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Date : D1 D2 M0 W1 M1 N6

PKR

290.00

Signature
Attorney No.

Signature
Attorney No.

PA-NO.B-867

14-07-2016

The Registrar,
N.E.P.R.A.,
Ataturk Avenue (East),
Sector G-5/1,
Islamabad.

Sir,

Multiyear Tariff for the period from 1-7-2016 to 30-6-2026

This is with reference to the above cited subject on which the Authority has invited the intervention of stake holders for participation in the hearing.

The undersign hereby submit this request for the participation, in the aforesaid upcoming hearing, as an intervener. Necessary intervention fee in the form of demand draft and affidavit are enclosed.

You are, therefore, requested to please register the undersign as an intervener for the above said hearing.

Sincerely yours,


Muhammad Arif Bilvani

2-A, South Park Avenue, Ph. 2, D.H.A., Karachi.

03008229570

encl: as above

For information & n/a R.

18.7.16

cc, chairman
ve/m(T)
m(Lic)
m(CA)

Account Payee only

HABIB METROPOLITAN BANK LTD.

Jodia Bazar Branch

Plot No. 15

On Demand Pay NATIONAL ELECTRIC POWER REGULATORY AUTHORITY Or Order

Rupees two hundred and ninety only

Drawee Bank/Branch

Habib Metropolitan Bank Ltd.

Islamabad Branch (10)

Islamabad

Please do not write below this line



D.D No. 01332817

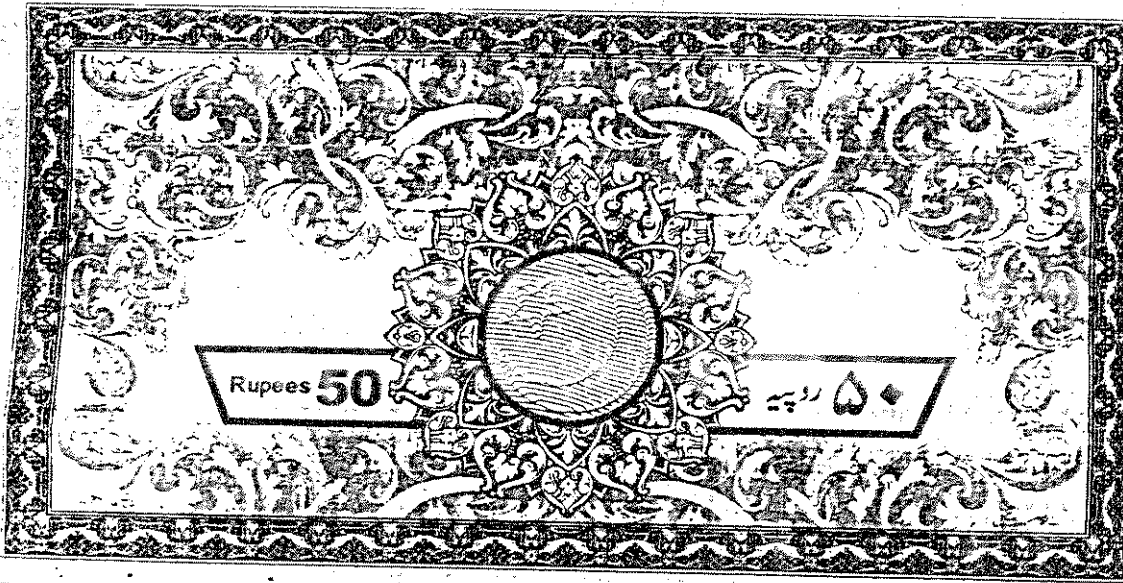
Date : 1 2 0 7 1 6

PKR ***290.00***

Signatory
Attorney No.

Signature
ALI HAMMAD
P.A NO. 8-J

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ABIB ULLAH

Stamp Vendor's License No. 123.

K.N.S. 95/2004 City Court, Karachi.

DATE

PC TO WITH ADDRESS

ADVOCATE

ATTACHED

UP VENDOR'S SIGNATURE

28 OCT 2015

Advocate

C. No. 114/KSA

AFFIDAVIT

I, MUHAMMED ARIF BILVANI S/O. HAJI SHARIF, MUSLIM, ADULT, RESIDENT OF KARACHI & HOLDER OF NIC No.42201-9130852-5, SOLEMNLY AFFIRM ON OATH THAT WHATEVER THAT HAS BEEN STATED IN MY INTERVENTION REQUEST BEFORE THE AUTHORITY NEPRA IN THE MATTER OF MULTI YEAR TARIFF PETITION FILED BY K-ELECTRIC LTD FOR DETERMINATION OF ITS TARIFF FOR THE PERIOD COMMENCING FROM JULY 1, 2016 TO JUNE 30, 2026 IS TRUE TO MY BEST OF KNOWLEDGE AND BELIEF.

1

DEPONENT.

23-07-2016

The Registrar,
N.E.P.R.A.,
Ataturk Avenue East,
Sector G-5/1,
Islamabad.

Dear Sir,

Sub: Petition of KE for determinations of its multiyear tariff
for the period 1-7-2016 to 30-6-2026

With reference to the above cited subject the under-sign would like to state as follows:

The under-sign fails to understand the reason behind the acceptance, by the Authority, of the aforesaid petition despite the fact that the licensee was time and again directed to file its petition in advance under the new tariff regime due to the fact that the old MYT was ending on 30-6-2016.

That the timing of publication of admission notice is not appropriate and the reason behind its publication is better known to the officials of the Authority.

That although the existing, now expired, MYT was never accepted by the consumers at large, who had vehemently opposed it at the time of its hearing in the year 2009, along-with the two sitting members of the Authority but unfortunately the other three members prevailed upon and accepted the reopening and modification of the original multiyear tariff of 2002 under which the licensee was privatized. In the reopened/modified MYT, several concessions were granted to the licensee which were detrimental to the interest of the consumers and the GOP. Even the provisions of the original/modified MYT which were in favor of the consumers were never implemented by the licensee and despite the issuance of the directives of the Authority the same were challenged by the licensee in the superior courts and to-date these matters stand sub judice due to the stay obtained by the licensee.

The under-sign fully supports the licensee for acceptance of its petition by the Authority for renewal of

For information &
M/A H.
— SAT-I
Gp. 10:
— SA (Tech)
— DG (MIE)
— DW (L-1)
— D/Rg-I/AR
— M/F
25.7.16
Ge: chairman
VC/M (T)
M (Lic)
M (CR)

By No.	2507-16
Dated	25.7.16

its MYT PROVIDED the original MYT of 2002 is accepted/implemented in letter and spirit and that all the amendments made thereafter are withdrawn/cancelled and that the capping of increase in licensee's tariff and previous mechanism of adjustment in tariff due to revision in cost of fuel and power purchase are revived viz. a viz. heat rates of all the power plants are conducted afresh and bench mark for efficient utilization of fuels are set and penal provisions are introduced for its inefficient use along with the bench mark for auxiliary consumptions are also introduced thus forcing the licensee to invest continuously in its generation plants to keep them in fit and proper condition all the time and bench mark for future T&D losses are also set a new gradually reducing it to 9% in the next five years.

Along with this, the Original Implementation Agreement must be revived, adhered and implemented in its true sense and all the later made amendments in the form of Amended Implementation Agreement be cancelled. Further all the stay orders obtained by the licensee against the orders of the Authority be withdrawn unconditionally and implemented immediately.

If the licensee does not agree to the above said proposal then it should file three separate tariff petitions under its three separate licenses of Generation, Transmission and Distribution so that the consumer and the Authority may arrive at the true cost of each activity and determine where does the inefficiency lies or which activity and to what extent it subsidizes the other activity so that the authority may issue mandatory directives for its correction. Separate benchmarks of efficiency can also be set for all the three activities as has been set by the Authority for the Gencos, NTDC/CPPC and other Discos. The licensee must also submit its future investment strategy in all the three segments of its Operation along with the time frame failing which predetermined penal provisions must be initiated by the Authority. As regards increase in O&M expense as demanded by the licensee is concerned it would be suffice to state that during the last four (4) years the licensee has made huge profits approximating Rs. 50 Billion despite the fact it now employs scores of people with annual pay package of over Rs. 10 million per annum. In the previous MYT the Authority bowed down to the licensee's demand for allowing it additional paisa 15 per unit of sale under the pretext of extra employees despite

the fact these additional employees were fired but the licensee continuously continued to receive it despite objection from the consumers. During the last TEN (10) years i.e. uptill 30-6-2015 it has received

under the head of tariff differential/subsidy Rs. 397 Billions despite the fact that the tariff of different categories has gone sky high breaking the back of all the categories of consumers. Today a domestic consumer consuming 1500 units has to cough out more than Rs. 20/= per unit despite the fact the cost of furnace oil has reduced two third of its peak. Similar is the situation with the other categories of the consumers. Surely this was not the aim of privatizing the licensee. It was envisaged that after the privatization not only company will become lean and mean but will bring efficiencies in all its sphere of operation viz. a viz. shall make substantial investment in the field of EFFICIENT generation not only to cater the present but also future needs of its licensed area and will not depend on the supplies from GOP/NTDC and will also adhere to the industry norm/Nepra requirements of creating spinning reserves on which count it has miserably failed.

In its petition KE has made 14 demands non of which merits acceptance under the present scenario. In previous MYT the Authority very reluctantly but partially accepted few of its demands to provide it breathing space and to take it out of woods. Now since the same has been achieved as mentioned above and the licensee is making hefty profits the demand for increase in its Tariff of Rs. 0.66 under the head O&M is not at all justified. If the licensee is unable to control its O&M expenses which have shot up from Rs. 14747 Million in the year 2005-06 to Rs. 37396 million in the year 2014-15 a hefty increase in TEN years without any meaningful increase in units generated by it which were 9130 GWH in the year 2005-06 and 9318 GWH in the year 2014-15 an increase of only 2% over a period of TEN years. Even the number of employees has gone down from over 18587 in the year 2006 to 10443 in the year 2015. (Annexure). One more reason for massive increase in O&M cost is the huge provisioning against doubtful debts which the petitioner has failed to recover and against which provisioning during the last TEN years has been Rs. 35964 million of which Rs. 26814 million has been made during the last five years. Why should the consumer be burdened with additional tariff for the failure of petitioner to recover its receivables? (Annexure)

The petitioner has demanded that it be allowed an allowance for irrecoverable costs from business disruption. The under-sign would like to pose same question to the petitioner that will it

compensate its consumers for the same disruption?

The petitioner has further demanded that its T&D loss performance targets be maintained at the current level. The reason behind this demand is that the licensee had miserably failed to do any meaningful investment in these two areas during the last ten years. Testimony to this is the frequent major breakdowns during all these years and the proceedings before the Authority against these mishaps.

The whole focus during these years had been to increase/replace GAS based generation capacity. The under sign requests the Authority to set bench marks for all the three segment of operations for the next five years in light of the international standards.

The petitioner be penalized heftily for not implementing the orders of the Authority for not installing the TOU meters to-date and be reprimanded for asking the Authority for its further deferral.

As already stated above, the heat rates of all the generating units be carried out afresh and bench marks be set for all these plants forcing the petitioner to invest in the refurbishment and constant maintenance and upkeep of all these plants particularly the FOUR units of Bin Qasim to bring their generation capacity/capability to the desired level within next 12 months.

It is also requested that the petitioner be asked to immediately provide the following information:

1. Maximum demand for the last ten years.
2. Dependable capacity of each generating unit for the last ten years.
3. New connections provided during the last ten years in Mega Watts.
4. Number of employees during the last ten years.
5. Total amount collected since 2009 under the head of additional tariff Ps.15/- against extra workers.
6. Capital expenditure incurred on each segment of Generation, Transmission & Distribution during the last 10 years.
7. Year wise target for the reduction of T&D losses in the next seven years.

In its petition the petitioner has presented a rosy picture of further enhancing its generating capacity under the head 5.4 KE's Business Plan where it states that it will increase its capacity on two counts

Dir (C)

8/22/18

For information & SA (G)-I M A A. Glib.

17.08.2018 AD (T)



The Registrar
National Electric Power Regulatory Authority
Islamabad

- SA (Tech)
- DG (M&E)
- Dr (C&I)
- MIF

19.08.16

cc: chairman
Kc/M (T)
M (Lic)
MCCA

Ref. No. RA&SP/NEPRA/189
Dated: August 17th, 2016

Matu 3/8/16

Subject: Intervention request regarding the proceedings of K-Electric's Multi Year Tariff (MYT) Petition for the period commencing from July 1, 2016 to June 30, 2026.

Dear Sir

This is with reference to letter no. NEPRA/R/TRF-362/10693-94 dated August 1, 2016. Our response on the comments of Mr. Muhammad Arif Bilwani wherever relevant to the subject petition are given below:

Multi Year Tariff determination of 2009

In the initial paragraphs, the intervener has given general comments on the previous Multi Year Tariff determination rather than raising specific issues arising out of the tariff petition. However, we would like to comment that the previous MYT determination was not detrimental to the consumers, rather it proved to be beneficial. As also explained in the petition, KE performed well under the MYT regime in the last seven years and consumers benefited in the form of increased generation, capacity enhancement in transmission & distribution, network reliability and improved customer service. Facts reflecting the same are presented below:

In total, KE has invested Rs. 120.7 billion across the value chain since 2009, including Rs. 81.4 billion in generation. This represents a 13% increase in total investment compared to the business plan at that time. This investment enabled:

- Addition of 1,037 MW in the generation capacity and improvement of overall fleet efficiency from 30.4% in FY 09 to 37% in FY 15.
- Increase in transmission capacity by 768 MVA (19.5%) and distribution capacity by 2,351 MVA (55%) through enhancement in infrastructure.
- Reduction in Transmission & Distribution losses from 35.9% in FY 09 to 23.7% in FY 15.
- Reduction in load shed and exempting 61% of Karachi from load shed including industrial zones.
- Improved customer experience in form of reduced fault rates, reduced transformer tripping, improved system resilience and better customer service through one-window solution in the form of Integrated Business Centers (IBC).

These are some of the benefits mentioned, further details and statistics can be referred to in the petition.

Along with the above benefits, this tariff structure has resulted in lower tariff for the end consumers despite KE being in losses in the past. In cost plus tariff, the utility is allowed a guaranteed return and hence the tariff would have been higher when the company was incurring huge losses. However since KE was not guaranteed any return as per the performance based mechanism it had to bear the burden of losses and could not earn any return by increasing the tariff. It was only by improving generation efficiency

and reducing T&D losses that KE was able to reduce costs and become profitable. Now as KE has become profitable, the consumers will benefit from reduction in tariff in the form of clawback.

Having said that, KE's Multi Year Tariff of 2002 along with continuation in 2009 was determined by NEPRA after due process and discussions in public hearings were done on all the issues. The Intervener was also part of the proceedings and shared his concerns which have already been considered and addressed by NEPRA in the respective tariff determination.

Assessment of Heat rate and penal provisions for in-efficient utilization

We would like to elaborate that KE's tariff structure is a performance based tariff, the essence of which is that it self penalizes the entity for any in-efficiency. This structure automatically forces KE to invest and improve the efficiency. Under this mechanism, there is no guaranteed return included in tariff, rather the entity is incentivized for investment to improve the efficiency and beat the benchmarks to recoup the investment and earn a reasonable return. Further, NEPRA has also defined performance standards with penal provisions to ensure efficient and reliable supply to consumers.

As mentioned above, KE has invested around Rs. 120.7 billion across the value chain since FY 09, which includes Rs. 81.4 billion worth of investment in Generation. This represents a 13% increase in total investment compared to the 2009 business plan and has been achieved by foregoing dividends to shareholders and reinvesting profits in the business.

Despite the challenges, KE was successful in increasing the overall fleet efficiency from 30.4% in FY 09 to 37% in FY 15. The current heat rate benchmarks were determined through heat rate tests conducted by independent reputable firms in the presence of NEPRA experts. Therefore, the heat rate benchmarks determined by NEPRA should be continued. Further, we would like to add that KE's performance based tariff has an in-built protection mechanism to ensure that excess efficiency gains are shared with consumers in the form of claw back.

Having said that, we would like to highlight that the performance benchmarks set initially were aggressive. This issue was also highlighted in the 2009 petition, however, the benchmarks were not changed. KE, however, did not shy away from the challenge and invested to realistically improve the efficiency as much as possible and continues to do so.

Investment in T&D system and T&D loss reduction benchmark

KE has invested around Rs. 36.5 billion since FY 09 in Transmission and Distribution. As a result, system resilience has improved through the reduction of SAIDI by 861 minutes (40%) in last four years, and the reduction of SAIFI by 73% from FY09 to FY15. Further, transformer tripping have reduced by 60% between FY09 and FY15 and T&D losses have reduced from 35.9% in 2009 to 23.7% in FY 15. Currently the KE's transmission loss is at 1.4% which is close to the international benchmarks.

In the 2009 Petition, KE requested that T&D loss targets commence from the level of actual T&D loss of 34.2%. However, this request was not allowed by NEPRA which resulted in unrealistic T&D loss reduction targets for KE. Consequently, T&D loss in FY15 stands at 23.7% as opposed to the NEPRA set performance

benchmark of 15%. Despite this gap, KE has now requested for continuation of the benchmark at 15%, considering the regulatory objective of incentivizing loss reduction.

We would also like to add that T&D loss phenomena should be understood in the light of ground realities. Karachi is a unique city with its own challenges and dynamics. Unlike other major cities of Pakistan, a significant proportion of Karachi's population lives in illegal settlements on 'unleased' land. KE is unable to install meters in these areas due to the illegal nature of the settlements and has limited avenues to curb the theft of electricity, by residents, through illegal connections to the distribution network. Furthermore, the volatile law and order situation in the city especially restricted access to certain areas, due to localized issues, continues to affect the company's ability to curb theft and ensure timely payments. Total T&D loss is significantly affected by high loss areas such as Liyari, Gadap, Orangi, Baldia and Surjani, etc. KE has administratively divided its distribution areas in 29 parts with each area having its own Integrated Business Centre (IBCs). 12 out of 29 IBC areas are categorized as high loss where distribution loss % is 36.4% (2016) due to the challenges above, whereas distribution loss in rest of the 17 IBC areas is 13.7% i.e. below 15%. Considering these ground realities, the intervener's request to reduce the benchmark of T&D losses to 9% in the next five years is not realistic.

Cancellation of all the stay orders obtained by KE and amendment in implementation agreement

As far as the stay order issue is concerned, we would like to state that it is KE's legal right to follow the judicial process in case it feels aggrieved from any decision and it is an infringement of KE's legitimate constitutional rights to call for an outright ban on stay orders.

Further, Implementation agreement is a legal binding agreement between KE and GOP and amendments to the IA were agreed mutually by both the parties. Also, the intervener has raised similar concerns relating to amendment of IA in past tariff proceedings which have already been considered and addressed by NEPRA.

KE should file separate tariff petitions with investment strategy

In line with the vision of developing the best possible mode of functioning in the greater interest of customers, KE's management evaluated the option of unbundling the company. NEPRA also encouraged this thought and asked KE to file three separate tariffs. KE started examining the benefits, feasibility and cost implications of unbundling and also engaged A. F. Ferguson & Co. (AFF) and PricewaterhouseCoopers LLP (PwC UK) to analyze the implications of unbundling.

Based on the above, it was concluded that, unbundling in a current scenario (a) would not be the commercially and practically viable option; and (b) would result in an increase in cost in view of the associated issues.

It is pertinent to understand that KE is a unique organization. It has the overall responsibility for developing and managing the power infrastructure in Karachi. This means that unlike other generation and distributions companies, it has to carry out end to end planning of the city's energy system without any sovereign guarantee or GOP support. Power sector planning, as is evident from the current shortfall in Pakistan, requires a more holistic approach and investment in separate functions in isolation can be counterproductive. Therefore, an integrated tariff is the right tariff structure that provides the appetite

for further investment and a bankable security structure to pave way for financing of the investment specifically in the absence of any GOP support. Further, it also protects consumers from being subject to cost increases due to any inefficiency at the utility end through a performance based system.

Consequently, keeping the interest of all stakeholders in mind and current situation, KE decided to file for an integrated tariff to be able to deliver its investment plan with lowest cost and improve system efficiency to further lower consumer tariff over the long term.

With respect to separate efficiency benchmarks for each business, it may be noted that where relevant NEPRA has already given separate operational benchmarks such as plant wise generation fleet efficiency and T&D loss benchmark.

With respect to investment strategy, we would like to add that KE has already formed a comprehensive investment strategy and it has been incorporated in the 10 year business plan, as also stipulated in the petition, to address the challenges of growing demand, ageing assets, gas supply constraints, recovery ratio and T&D losses. As per the business plan, KE will invest Rs. 496 billion in next 10 years to increase generation, transmission and distribution capacities, to improve its performance and resolve the issue of T&D loss and recovery ratio. KE has planned to reduce reliance on NTDC system by 2020 and will almost double its available capacity thereby creating a surplus/spinning reserve by 2026.

Increase in O&M component of tariff

In 2009 petition KE asked for an increase of Rs. 0.64/kwh in the O&M component as the shortfall in O&M had accumulated due to an in-sufficient base tariff in 2002 and an increase in costs faster than CPI. NEPRA, however, allowed an increase of 15 paisas which meant that the deficit kept accumulating.

Since the new management takeover in 2009, KE has brought in efficiencies in O&M costs by implementing a number of operational improvements across all business units. However, in spite of these efforts, O&M grew in real terms due to increase in generation, transmission and distribution capacities and other efforts for performance improvement. As per the table below, KE's O&M shortfall stands at Rs. 1.44/Kwh in FY 2016. KE is willing to absorb more than half of this cost and is only asking for a one time increase of Rs. 0.66/Kwh.

	2016
O&M (Rs. Million)	37,240
Units Billed (Gwh)	12,865
O&M cost per unit (Rs./ Kwh)	2.89
O&M cost allowed in tariff (Rs./Kwh)	1.45
Shortfall (Rs./Kwh)	1.44

KE has requested for a small portion of the shortfall which will ensure that it does not divert significant funds away from planned capital expenditure in order to meet the deficit in the recovery of O&M costs. It is notable that, as per the business plan after incorporating the impact of 66 paise, KE will still be bearing average shortfall of Rs. 1/Kwh in the next 10 years on account of O&M.

Intervener has compared KE's O&M increase with that of KE's generation increase only. We would like to add that KE is not only a generation company, rather it's an integrated utility performing all three functions of Generation, Transmission and Distribution. Therefore comparing the increase in O&M with units generated only will not give an accurate conclusion. Since 2009, Generation capacity has increased by over 1,000 MW, transmission capacity has increased by 768 MW (19.5%) and distribution capacity has increased by 2,351 MW (55%). Further, along with the increase in capacity, systems have been considerably improved to provide better service. Increase in O&M should be analyzed considering the normal inflation, increase in capacity and improvements in system.

With respect to intervener's comment on decrease in number of employees, we would like to highlight that the decrease in absolute number of employees is due to the fact that certain non-core services have been outsourced. This has been done in line with best practices followed locally as well as internationally to bring in efficiency and not because these were surplus or excessive. Further, the increase of 15 paisa allowed in 2009 was not granted against some specific employees, rather it was allowed to cover the shortfall in O&M which existed at that time. It is important to re-iterate that there is still a significant gap between the O&M allowed in the tariff and the actual cost being incurred by KE. The annual recovery in respect of 15 paisa included in O&M component of tariff comes out to Rs. 1.6 billion to Rs. 2.7 billion. However, the overall annual shortfall in O&M recovery, even after including 15 paisas, is around Rs. 5 billion to Rs. 18 billion.

The intervener has commented that KE has employed scores of people with annual pay package of over Rs. 10 million per annum. We would like to explain that as a best practice KE regularly conducts salary and benefits survey to understand market trends and to remain competitive. Accordingly, KE is operating at median/average of market benchmarks.

Intervener has shown concern over increase in provision. We would once again like to draw attention to the ground realities and dynamics of the city. KE is the largest city of Pakistan (population wise) with its own challenges. As explained above, challenges such as illegal settlements, illegal connections by residents, volatile law and order situation and restricted access to certain areas affect the company's ability of recovery. As in the case of T&D losses, KE's recovery loss is also significantly affected by the high loss areas, where KE's recovery loss is around 29% (2016). Accumulated Technical and Commercial (AT&C) loss in these areas is as high as 55% (2016).

Recovery has a direct impact on KE's cash flow and KE has invested in a number of initiatives to increase the recovery ratio and improve losses which include offering consumers alternative payment channels, setting up a special instalment facility, partnering with collection agencies and collaboration with law enforcement agencies for recoveries. As a result of these initiatives, collection rates have increased to 90.4% in FY15.

KE has planned to further focus on pulling back lost units and improve recovery through investment in different projects. These include installation of Ariel Bundled Cable to curb theft and improve the system reliability, installation of smart grids, providing easy facility for new connections through Mobile New Connection Vans (MNCVs) and installation of meters at low cost on easy payment instalments for customers residing in low income areas. Considering the difficulty of consumers for paying old dues, KE provides instalment facility to such customers. Further, KE also plans to initiate smart metering and remote disconnection and continuation of anti-theft drives with law-enforcement agencies. Along with

these initiatives, KE is focusing on engaging with the customers through an outreach programme to improve communication with customers and educate them in respect of the costs of theft.

High profits

The intervener has stated that KE has earned huge profits in the last four years. It is important to understand that "high profit" is a relative term. KE has earned profit before tax, as given in the table below, of Rs. 1.7 billion to Rs. 15 billion in the last four years.

	2012	2013	2014	2015
	Rs. in million			
Profit before tax	1,752*	4,001*	9,575	15,076
Share capital and reserves				
Opening	113,837	125,313	128,389	130,709
Closing	125,313*	128,389*	130,709	157,784
Average	119,575	126,851	129,549	144,247
Return %	1%	3%	7%	10%
Return on operating Assets (Fixed assets and intangible)				
Opening operating assets	167,514	170,443	165,186	170,663
Closing operating assets	170,443*	165,186*	170,663	214,003
Average	168,979	167,815	167,925	192,333
Return on assets	1%	2%	6%	8%

*These numbers are as per restatement in 2014

As can be seen from the table above, KE has earned a return on capital & reserves ranging from 1% to 10% and a return on assets ranging from 1% to 8% in the last four years. These are lower than the current market returns as IPPs are being allowed dollar based IRR ranging from 15% to 17% (IRR of 22-23% in PKR terms).

Relation of KE's tariff with fuel price and subsidy

KE's tariff is a Multi-Year Tariff (MYT) in which fuel price variation on account of own generation and power purchase cost are passed through in the tariff along with CPI indexation of O&M. This means that market fuel prices are reflected in consumer tariff which showed a reduction as a result of recent drop in fuel prices.

With respect to intervener's comment on subsidy, it is pertinent to mention that KE has not received any subsidy for operational support from GOP since privatization. It is important to understand that the Government has a uniform tariff policy for consumers across Pakistan and accordingly does not allow DISCOs like KE to charge full determined tariff to the consumers. As per this policy the GOP bears the burden of the differential between the determined tariff (given by NEPRA) and the lower applicable tariff

that is charged to the end consumer. This is called the 'Tariff Differential Claim (TDC)' and is a relief for customers and not a subsidy to support KE. Tariff Differential claims are filed as per notified rates and are duly verified by the Ministry.

Intervener has claimed that KE's subsidy has increased whereas, the tariff has not reduced. As explained above, KE does not receive any subsidy for operational support from the Government but rather a tariff differential claim (TDC) which is a relief for consumers. Further, we would like to clarify that adjustments in the determined tariff are only made on account of CPI indexation of O&M and fuel cost variations as per a prescribed procedure. Therefore, the increase in TDC is a result of government's policy to subsidize consumers and not pass on the full increase in tariff to customers.

Compensation for disruption

KE has requested for coverage due to force majeure event such as earthquakes, floods, acts of terrorism etc. We would like to clarify that this component is not included in the tariff calculations. KE has requested that only in case a force majeure event happens, there should be a clause in the determination through which the unavoidable costs due to force majeure event could be recovered. Climate change, urban floods and natural disasters can have a large scale impact on the power infrastructure. Hence, this component is included to ensure the ability to quickly resume operation. This request is in line with the force majeure clause included in Power Purchase Agreement of IPPs and will help to lower the sufferings of consumers at large in case of any such event.

Deferral of ToU meters

KE is not asking for further deferral of ToU meters. KE has only stated that since the matter is being discussed separately, the matter should be resolved as per the decision reached in respective discussions with NEPRA. KE also urges NEPRA to resolve TOU tariff issues with the issuance of this tariff determination.

Doubts on execution of coal project

Intervener has raised doubts over the execution of the coal projects and raised concern that KE will not get the required financing for the same. We would like to submit that KE has prepared the 10 year business plan after due discussions with various parties and chalking out a workable strategy. For coal plant to be commissioned in FY 20, KE has formed a joint venture with Chinese companies and land has been acquired for this project. Further, upfront tariff has been approved by NEPRA. The project has entered in advance stage and financial close is expected in few months as KE has received extremely positive feedback from both local and international lenders in the form of Term Sheets.

Here, it is important to note that the Government of Pakistan (GoP) does not provide any sovereign guarantee to KE and its lenders for investments. Therefore, KE is responsible for securing investments in generation (including contracting with IPPs), transmission and distribution. While this is a challenge in itself, there are additional complexities associated with attracting and contracting with IPPs which do not get a GoP guarantee. This illustrates the unique position of KE in the Pakistan electricity sector and the necessity to continue the existing I-MYT structure which is essential to enable KE to raise financing for its proposed investments using cross-business security structures. Under the umbrella of integrated structure KE has been able to secure financing of around US\$415 million for TP-1000 and other

distribution projects. Further, as mentioned above KE was also successful in forming a joint venture with Chinese companies for the coal project. Despite the challenge of absence of sovereign guarantee, KE is confident to secure further financing and to attract new power producers through offering a bankable security under the continuance of current I-MYT structure.

Focus on gas based plants and revival of BQPS-1 units

Considering the situation of power shortage in 2009 and exhaustion of useful life of old plants having efficiency below 20%, it was essential that new plants on gas with high efficiency should be installed. Accordingly four new gas based plants were installed in the last seven years. These plants were installed on fast track basis and were commissioned from 2009 to 2012. The decision of investment in these plants proved to be correct as these efficient combined cycle plants increased the generation capacity and helped to supply more power on same available gas through increased efficiency. There would have been significant electricity crises if these plants were not installed as the old plants had already completed their life and were highly in-efficient.

Going forward, as stipulated in the business plan, KE has planned to further diversify the fuel mix by adding coal, LNG and dual fuel plants on its fleet. Along with the addition of new projects, KE has also planned to invest around Rs. 40 billion on maintenance and upbrining of existing fleet in the next 10 years. This includes comprehensive program for rehabilitation of BQPS units to improve the reliability and availability of these legacy units.

Capacity of 2,300 MW to be added from external power producers

Considering the growing demand in future, KE has planned to add capacity of 2,300 MW through external power producers in the next 10 years. KE has included these projects in the business plan on the basis of agreements, signing of contracts and on-going discussions with various parties. Details of major projects planned to come online in next 2-3 years are given below:

Sindh Nooriabad Power Company ("SNPC") IPP – 104 MW

Sindh Nooriabad is a gas based IPP under public-private partnership with capacity of 104 MW. The project will be divided in two phases designated as SNPC-I and SNPC-II. Under this project, power plant and transmission lines infrastructure are at an advanced stage of construction and gas allocation has been approved. K-Electric has initialed the PPAs with SNPC and SNPC-II and the same will be signed after regulatory approvals.

Fauji Coal IPP – 52 MW

Fauji Fertilizers Bin Qasim Limited is setting up a power plant through its subsidiary FFBL Power Company (FPCL) with capacity of 118 MW. This power plant will supply electricity to K-Electric as well as Fauji Fertilizers Bin Qasim Limited. KE will get capacity of 52 MW (net) at 50 Hz. NEPRA had issued the tariff determination for this project, however, review petition has been filed by FFBL Power Company Limited (FPCL), which is currently under review with NEPRA. PPA will be signed between the parties, post completion to the regulatory approvals. Construction of the project is underway.

Oursun Solar – 50 MW

In order to encourage renewable resources, KE is engaged with several reputable solar power project developers for setting up 100-150 MW solar power plants under IPP structure in its licensed area. The Meeco Group headquartered in Switzerland, through its local subsidiary Oursun Solar, is interested in developing a 50 MW Solar IPP, wherein KE will be power purchaser. The Power Acquisition Request for this project has been admitted by NEPRA and upfront tariff for the project has been allowed. Land for the project has been acquired and PPA draft is being prepared by KE for negotiation and finalization.

Coal Conversion of BQPS -1 – 420 MW

In pursuance of its fuel diversification strategy, KE is in the process of converting two furnace oil-based units (2x210 MW) out of six units of its 1,260 MW BQPS-1 to coal. An IPP has already been formed for this project by the name of K-Energy (Pvt) Limited, to which KE will lease out units 3 and 4 of BQPS-1.

Embedded Generation plan of 1,000 MW (including 750 MW through external IPPs)

KE has planned to add capacity of 750 MW on its system through three IPP projects of around 250 MW under the umbrella of embedded generation plan. These plants will be developed in areas having high density of load requirement and will help to address the transmission constraints.

KE has started the initial activities of these projects such as signing of Letter of Interest and preparation of Power Purchase Agreement, in collaboration with the respective parties. Further, KE has started discussions with NEPRA on the plan for embedded generation projects.

KE is in discussion with the relevant parties for the projects that are expected to be online after four years and is confident that it will be able to achieve the business plan given the assumptions in the petition stay valid.

Financing of new projects

We disagree with the intervener's contention that KE is putting pressure on the authority by stating that lending terms will have to be re-negotiated in case there is a change in MYT structure. This fact needs to be understood that long term projects do need a certainty to be able to attract the investors and lenders, this is the reason why generation projects are given a tariff of 25 to 30 years along with sovereign guarantee. KE's investment of above Rs. 120 billion in last regulatory period speaks out the confidence of investors/ lenders that KE has been able to build on the system and the tariff structure. Backing on this confidence, KE has negotiated loans of around US\$ 415 million and the lenders, as per the dynamics of power sector, do need certainty and stability for at least the repayment terms. In case of change in tariff structure, there will be uncertainty which will affect the lender's confidence and will result in delay or termination of the project as lenders would want to re-negotiate financing terms to cover their risk.

Change in clawback threshold

KE has requested for a change in clawback threshold to rationalize the returns in line with the current market rates of returns so that KE is given a level playing field and it continues investing in system up-gradation.

KE has never refused to share the claw back with consumers, however, there is a difference of opinion regarding the interpretation of the claw back formula for which honorable High Court has been approached and KE supports an expeditious resolution of this issue. KE has also clarified the interpretation in the current petition to resolve the issue for future determination so that the consumers can benefit from claw back as per the due process without any ambiguity.

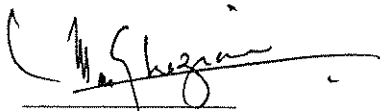
Further, KE is performing CSR as an effort of delivering back to the community. KE will continue to do CSR activities, irrespective of sharing of claw back with the consumers which is a completely separate matter.

Information requested

Please refer Annexure A attached.

We hope that the above responses have addressed the concerns of the intervener.

Sincerely,



M. Aamir Ghaziani
Director (Finance & Regulations)

encl: Annexure A "Information required"

Financial year	Unit	2007	2008	2009	2010	2011	2012	2013	2014	2015	9 months 2016
Maximum demand	MW	2,354	2,443	2,462	2,562	2,565	2,596	2,778	2,929	3,056	3,195*
Net Capacity	MW										
BQPS 1		935	955	979	979	979	979	738	738	738	738
BQPS 2		-	-	-	-	-	502	502	502	502	502
CCRP		-	-	145	200	200	200	200	200	225	225
KGTPS		-	-	-	85	85	85	85	85	85	94
SGTPS		-	-	22	85	85	85	85	85	85	94
KGTPS - old plant		76	-	-	-	-	-	-	-	-	-
SGTPS - old plant		85	-	-	-	-	-	-	-	-	-
KTPS		175	135	135	135	65	65	-	-	-	-
Sub-total		1,271	1,090	1,281	1,483	1,413	1,915	1,610	1,610	1,634	1,652
BQPS 1 units 38.4 dedicated for coal conversion**		-	-	-	-	-	-	340	340	340	340
Total		1,271	1,090	1,281	1,483	1,413	1,915	1,950	1,950	1,974	1,992
Aggreko - rental power		-	-	50	50	50	-	-	-	-	-
New connections**	MW	213	167	163	225	207	179	172	229	203	188
No. of employees	Number	17,842	17,629	17,119	16,930	15,855	11,326	10,603	10,242	10,443	10,812
Capital expenditure incurred	Rs. in million										
Generation		5,218	8,391	15,619	9,302	28,861	6,176	1,414	5,310	8,455	7,186
Transmission		3,371	4,553	3,749	1,912	2,291	482	65	272	1,339	6,335
Distribution		3,115	2,862	1,676	3,014	3,140	2,145	2,149	3,044	4,785	4,473
Others		307	750	189	736	265	184	147	205	503	470
Total		12,011	16,656	21,232	14,963	34,557	8,987	3,776	8,831	15,093	18,464
Financial year		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Targeted T&D loss	%	20.9%	19.8%	18.8%	17.8%	16.8%	16.0%	15.4%	14.8%	14.3%	13.8%

* Represents maximum demand recorded in the month of May 2016

** Unit 3 & 4 of BQPS 1 are leased out to K Energy, lease terms will be effective on COB of K Energy.

3-10-2016

The Registrar,
N. E. P. R. A.,
Attaturk Avenue East,
Sector G-5/1,
Islamabad.

For information & update.
— SAT-I
GPRB.
— DRD/DR-II
— MF
cc: chairman
VC(MCT)
M(D-)
M(CA)

Dear Sir,

Sub: "Hearing proceedings in the matter of petition filed by KE
for resetting of its MYT from 1-07-2016 to 30-06-2026"

This is with reference to the above cited subject on which the undersign, as an intervener, has already submitted written comments on the petitioner's request. The undersign also made verbal/oral comments on the petition during the two day hearing proceedings which are requested to be made part of the proceedings.

As per law and rules of the Authority, replies received by the Authority from the petitioner, on the comments of all the interveners must be provided to all the interveners before the initiation of the proceedings which, unfortunately has not been done.

It is, therefore, requested that comments of the petitioner be provided to the undersign so that further observations can be submitted before the Authority before reaching any final conclusion.

Registrar
By No. 9668
Dated 6-X-16

It is further submitted that the issue of payment of interest/mark-up on security deposit of the consumers must be seen and decided in the background of action/decision of the GOP/Federal Government that it made before privatizing the KESC which is on record and can be verified from the published Annual Accounts of the petitioner, of those years. On the recommendation of the then Auditors of the company, the GOP fully recognized the unpaid liability of mark-up towards

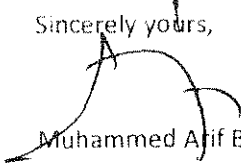
its consumers and made full provision in the books of the company and continued to pay the mark-up on annual basis which practice was continued by the new management even after the privatization. But all of a sudden, the changed new management, on the advice of its legal counsel not only discontinued the practice but also wrote back the whole provision, made by the GOP, as its income. Now the authority must decide whether and to what extent the action of the new management, of reversing the decision of the GOP, the basis on which privatization was made, is legal.

It is also requested that the following information be sought from the petitioner and be provided to the undersign:

Load sanctioned/approved by the licensee, during the last ten years i.e. upto 30-6-2016 on yearly basis and category wise basis and the amount of security deposit recovered, in CASH, from each category, and in the form of bank guarantees.

Further written submission shall be made only after the receipt of the aforesaid information.

Sincerely yours,



Muhammed Arif Bilvani

2-A, South Park Avenue, Ph. 2, D.H.A.,
Karachi.

TRE-362

ANWAR KAMAL LAW ASSOCIATES

Ref. No.R/NEPRA/481/16

BY EMAIL, FAX & TCS

Dated: 11th July, 2016

<office@nepra.org.pk>
<chairman@nepra.org.pk>
<registrar@nepra.org.pk>
051-2600026

The Registrar,
National Electric Power
Regulatory Authority (NEPRA),
Attaturk Avenue (East), NEPRA Tower,
Opposite Federal Flood Commission,
G-5/1, Islamabad.

Registrar	7339
By No.	18-07-16
Dated	

8
2117

ADG

Subject: Intervention Request in Multiyear Tariff Petition Filed by K-Electric Limited (K-Electric) For Determination of Tariff for the Period from July 01, 2016 to June 30, 2026.

Dear Sir,

Enclosed is an Intervention Request and connected documents.
Kindly keep in view the long Eid holidays from 5th July to 10th July, 2016.

With best regards.

Yours faithfully,

Anwar Kamal

(Anwar Kamal)
Advocate Supreme Court
Intervenor

For information & m/c p.
SAT-I
Cepu b.
SAC (Fch)
DG (MAE)
D/Reg-I/AR to Regs
for admission
or other work
m/f
18-07-16
c. chairman
rc/m(c)
m(Lu)
m(CA)

Office: 1-Turner Road, Lahore-54000, Pakistan
Telephone: (92-42) 37311810-37358845 FAX: 37238174
E-mail: aklaw@lhr.comsats.net.pk

Senior Advisor Tariff-1
No. 115-6095
21-7-16

ANWAR KAMAL LAW ASSOCIATES

Ref. No. R/NEPRA/481/16

By Fax, Email and TCS
051-2600026
registrar@nepra.org.pk

BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY
ISLAMABAD

INTERVENTION REQUEST

IN

Multiyear Tariff Petition Filed by K-Electric Limited (K-Electric) For
Determination of Tariff for the Period from July 01, 2016 to June 30, 2026.

Name/Address	Anwar Kamal, Advocate Supreme Court, 1-Turner Road, Lahore-54000.
Manner in which Intervener is likely to be affected by any determination in the proceeding	The Intervener is a concerned citizen and consumer of electricity of XWDISCO and has serious concern on the supply of 650MW electricity from the Basket of CPPA to K-Electric. Due to this supply of CPPA, the Intervener along with other XWDISCOs' consumers is not only facing load-shedding problem but this supply is also increasing the electricity Tariff of the consumers of XWDISCOs. The Intervener submits that the combined Generation Capacity of K-Electric's own Power Plants and the Power Plants supplying electricity to K-Electric is more than the supply of K-Electric to its' consumers. The cost of electricity Generated by Power Plants in the K-Electric Generation Basket is much lower than the cost of electricity Generated by the Power Plants in the CPPA Generation Basket. Despite this, CPPA is still supplying electricity to K-Electric

and causing huge financial loss, amounting to billions of rupees on monthly basis. This imprudent and illegal supply of electricity is not only causing financial loss to the electricity consumers but is also causing irreparable losses to the economy of Pakistan.

The following is submitted for NEPRA to look into the matter and publish a report of the financial and economic loss which has incurred so far, on this account, during the last 6-7 years.

Discos' Tariff for electricity purchases by KEL from NTDC - KEL is gaining billions of rupees per month at the cost of other Electricity consumers of the Country:

The Economic Coordination Committee of the Cabinet (ECC), after induction of Abraaj in KESC in 2008, decided that KESC may be treated at par with DISCOs for Tariff purposes instead of on 'Marginal-Cost' basis and accordingly decided that Rs 31.0 billion appearing in the books of KESC as payable to NTDC, being the difference between Marginal-Cost basis and the DISCOs' rate for the period June 2006 to July 2008 will be settled by the GoP with PEPCO/NTDC. It needs to be noted that the company i.e. KESC was privatized in 2005 on the principle of Marginal Cost. Back in 2008, when Abraaj, purchased the shares with management and control of KESC, the principle of Marginal Cost

was valid.

The details of this issue can be read from the Tariff Petition filed by KESC vide Petition dated June 02, 2008 and Determination of the Authority issued vide No. NEPRA/R/TRF-101/KESC-NTDC-2008/276-79 dated September 29, 2008. This Determination is available on NEPRA's website.

It is important to note that the difference of Marginal-Cost and DISCOs' rate Tariff is huge and the main beneficiary of this difference is the Company at the cost of the consumers of XWDISCOs and the economy of Pakistan.

More importantly, this incentive was neither available nor known to the bidders who participated in the bidding process of KESC conducted in 2005. Had this incentive been known to the bidders, it would certainly have increased the bidding amount.

This is probably the biggest favor conferred on KESCL and one which is recurring in nature. This favor has been given to K-Electric without considering the loss to the National economy and the consumers of XWDISCOs. The amount of loss on this account is in billions of rupees and is a

recurring loss.

It is a fact that K-Electric, neither in the past nor now, is contributing to the National Power Projects like Neelum Jhelum Surcharge nor any other Surcharges which consumers of other DISCOs are paying in their electricity bills. Notwithstanding all this, if this favor was necessary for any reason whatsoever, the concept of two separate 'Baskets' should have been reviewed to avoid economic losses due to operation of Power Plants without observing the Merit Order.

KEL is drawing Power from NTDC against the spirit of the provision/decision and against economic operation of the Power Plants/prudent Utility Practices:

It is important to mention that there are two separate electricity 'Generation Baskets' in Pakistan: one is the NTDC/CPPA and the other is the KESC Generation Basket. Economic Merit Order is maintained in the two Baskets separately. The Economic Merit Order of the Power Plants operating in the two Baskets separately will be different if these Power Plants are placed under one Generation Basket.

Moreover, if the unutilized RFO, HSD and Gas

based Generation Capacity in the KESC system is compared with the costliest Generated electricity in the CPPA Basket that was generated to supply 650 MW electricity to K-Electric, the respective cost of Generation on each Fuel in the KESC system is much lower than in the NTDC/CPPA system.

In the light of the above facts, to AKLA's understanding the ECC was not apprised about the complete facts while it was making the above decision and it appears that the above referred ECC decision was made without consideration of the complete facts. NEPRA, which is actually sitting on top of the Power Sector of Pakistan and is the exclusive Regulator of the Power Sector in Pakistan, knowing full well the fact that the ECC decision is not financially, economically and technically prudent, neither refused to accept and implement the decision nor referred the issue to the concerned forum along with full facts for its review and reconsideration. It may be noted that the decision of ECC is not binding on the Regulator. Furthermore, in the decision ECC used the word 'may': this means the ECC gave a broad direction and NEPRA had to look into the details of the issue and give its' final decision, which should have been financially,

economically and technically prudent.

Unfortunately NEPRA did not perform its job in the matter and thus, due to non-performing of its' duties, the electricity consumers have to suffer huge financial loss (multi billion rupees) on this account alone. The Economic loss to the State on this account alone must be much higher than the financial losses. The electricity consumers and the country are bearing these losses since the last 7-8 years and these losses are still continuing.

Purchase of Power by K-Electric from NTDC despite the fact that the Plants available in the K-Electric System are not utilized to their Full Capacity - Power Sector is facing financial loss of about Rs.2 billion per month on account of this un-economic and non-prudent operation of Power Plants:

After going through the Petition of KESC dated June 02, 2008 anyone, having financial, economic and legal sense, can easily judge that the Power Purchase by K-Electric from NTDC was foreseen and requested to meet the load demand of KESC system once all its' electricity Generation resources are exhausted. However, after the above referred decision of ECC, KESC used to draw power from NTDC to the tune of 650 MW without exhausting the electricity Generation capacity available in its' own Basket. It is relevant to mention that NTDC

operates its' costliest Plants to generate Power, which it supplies to K-Electric despite the fact that the cost of electricity Generation in the KESC system is lower than the costliest Generation in the NTDC system, which NTDC generates to supply to KESC. Sometimes this cost difference rises to more than Rs. 6/kWh: in a situation when comparatively cheaper cost electricity in the K-Electric system is available and the same is not being used. Instead, NTDC operates the costliest Power Plants and supplies the costlier Generated electricity to K-Electric at an average Basket rate. This burdens the consumers of XW DISCOs and the Exchequer with billions of rupees on monthly basis.

KESC and NTDC executed the Power Purchase Agreement on 26.01.2010. Besides other details, there are certain terms and conditions stipulated in the PPA which clearly spell the condition under which KESC can purchase the electric Power from NTDC. In this regard Article 2.1 and 6.1 of the PPA are relevant and are reproduced hereunder:

Article 2.1 of the PPA executed between NTDC and KESC on 26.01.2010:

“(a) Subject to and in accordance with the terms of

this Agreement from and after the Effective Date, KESC, after meeting its demand through the available energy, may request NTDC to provide electric power in a quantity which is reasonably required by it to meet with its requirements but limited to the Capacity.

(b) Subject to and in accordance with the terms of this Agreement from and after the Effective Date, NTDC shall sell to KESC electric power in a quantity which is reasonably required to meet with the requirement of KESC limited to the Capacity at the Delivery Points.

(c) In case KESC draws more power than the capacity agreed for 60 minutes then the NPCC shall notify KESC Control Centre to immediately reduce its load to the extent of the excess and if KESC Control Centre fails to do so then NTDC may temporarily disconnect any one of the circuit of Interconnection Facility till the load be reduced to Capacity.”

Article 6.1 of the PPA executed between NTDC and KESC on 26.01.2010:

“(a) Request for Despatch: KESC shall inform

NPCC by means of a written Despatch Instruction from KESC (which Despatch Instruction shall be given one Day ahead by 1200 hrs) about its estimated quantity of electric power which is reasonably required to meet its requirements but limited to the Capacity for the following Day on hourly basis.

(b) Energy Availability Confirmation: Upon receipt of Despatch Instruction from KESC (which Despatch Instruction shall show separately a request for reasonably required electric power from NTDC but limited to the Capacity). NPCC (which shall be deemed to always be acting on behalf of NTDC) shall confirm the availability thereof by 1400 hours with NTDC on the following day.”

From the above it is clear that KESC can only purchase Power from NTDC once all its’ available capacity is exhausted. The spirit of this provision was only to meet the electricity demand of K-Electric and not to provide costlier Generated electricity to K-Electric at a cheaper rate while burdening the consumers of XWDISCOs.

NEPRA was supposed to approve the Power Purchase Agreement executed between NTDC and

KESC after its clause-by-clause due diligence and after consultation with the Stakeholders under the provisions of the Interim Power Procurement Regulations, 2005 but the PPA was neither approved as provided in IPPRs nor notified. (Note: This without prejudice to AKLA's consistent position that the IPPRs, 2005 are unlawful and ultra vires.) It is surprising that while approving the Tariff and PPA of very small Generation companies (Plants commissioned as NCPPs), NEPRA conducted more than one hearing and modified even the mutually signed agreement between the DISCOs and the NCPPs and after its approval the same was notified in the official Gazette; why this exercise was not adopted in the case of K-Electric is not understandable.

Furthermore, NEPRA was required to monitor the economic impact of this decision from the very first month of its execution but unfortunately NEPRA did not make efforts in the beginning and resultantly billions of rupees of Pakistan and of Pakistani electricity consumers have been lost and drained (and are still being drained) after benefitting K-Electric alone at the cost of other Stakeholders.

Underutilization of Generation Power Plants in

the K-Electric System:

K-Electric maintains an independent Generation Basket which comprises the KESC's own dual fuel (RFO and Gas) Power Plants, Gas Fuel Power Plants, RFO based IPPs exclusive for KESC, small Generation Power Plants like KANUPP, Steel Mills, IIL etc. A month-wise Generation data sheet has been compiled and from the compiled data it emerges that the Generation Power Plants available in the KESC System, own as well as IPPs, were not utilized to their full capacity despite the fact that demand was available in the System. The compiled data-sheet is attached for review and correction by K-Electric and NEPRA: AKLA will appreciate if the sheets, after their correction wherever needed, are returned to AKLA for their record.

It is more surprising that while not utilizing the Power Generation Capacities to their full Capacity, KESC was continuously drawing power to the extent of 650 MW from the NTDC System. Although the existing arrangement of Power supply from NTDC System to K-Electric is not at all prudent, if at all it is necessary for NTDC to supply electricity to KESC, for Economic Despatch of Power Plants operating in Pakistan it is necessary to have only

one Generation Basket in the country and the operation of the Power Plants of K-Electric should also be placed in the Basket of NTDC in order to operate these Plants as per their Economic Merit Order.

It is important to mention that in 2009 KESC was fined Rs.300,000 (maximum fine of that time) by NEPRA vide its order No. NEPRA/R/LAG-05/10046 dated 13.10.2009 on the charge of under-utilization of its own as well as IPP Power Plants available in its System. The details can be read in para 11.2.1 to 11.2.11 of the Order referred to.

While imposing the fine on under-utilization of the Power Generation Capacity, it was further directed by NEPRA that "If KESCL continues with the practice of reducing or underutilizing its generation capacity from IPPs strict punitive action will be taken against it in future." However, from the compiled data-sheet it is clear that KESC did not bother to follow NEPRA's instructions and continues to underutilize not only its' own Power Plants but it also did not utilize the IPPs Power Plants to their full Capacity. On the other hand, for reasons best known to it, NEPRA remained silent

and did not bother to monitor its' own direction of 2009, the violation of which is causing loss of billions of rupees to the economy and electricity consumers.

Non-Approval of the Authority for Power Acquisition for Purchases from External Sources:

Without prejudice to AKLA's stance with regard to NEPRA Interim Power Procurement Regulations, 2005, it is submitted that under these Regulations, approval of the Authority and its' Notification is mandatory for all Power Purchases by a Distribution or Transmission company.

Furthermore, the Authority, vide its' Tariff Determination given in December 2009 directed KESCL to obtain approval of the Authority for Power Acquisition along with the agreed rate and other terms and conditions for purchases from external sources.

It is important to note that the Tariff of all Generation Companies, after approval by NEPRA, is Notified in the Gazette of Pakistan either in the form of Tariff Determination or Power Acquisition Request but in cases of the K-Electric System the approval and Notification of Tariff for purchases

	from external sources like NTDC, KANUPP, Pakistan Steel, IIL, Anoud etc. are not available on NEPRA's website. Why NEPRA is choosing to ignore this must be known to NEPRA. Legally speaking, the Distribution Licensee can charge only such Tariff from its' consumers as is approved by NEPRA under its' applicable law and is published in the official Gazette. Unfortunately, AKLA did not find any SRO in the Gazette of Pakistan which show the approval of Power Purchase Agreement/Contract executed between NTDC and K-Electric.
Relief Sought	CPPA should be stopped from supplying electricity to K-Electric immediately. In case K-Electric requires Power from CPPA or vice versa the Agreement based on 'Marginal Cost', which formed the basis of KESC privatization should be restored. It is imperative that an immediate inquiry be held in the matter to ascertain financial losses that have been incurred so far. The inquiry should clearly identify the Agency which is responsible for these losses. The Report of the inquiry should be made public. Furthermore, the losses incurred so far should be recovered from K-Electric and passed on to the

	consumers of XWDISCOs. In addition to the above, the concerns which consumers of electricity are raising before NEPRA should be redressed immediately. The Engineering, Financial, Economic and Legal issues should be dealt strictly in accordance with the respective established principles in the best interest of Pakistan. None of the Agencies should be permitted to politicize professional issues.
Brief of evidence (if any)	Attached. Also, the decisions and documents referred to are available on NEPRA's website and must also be available in NEPRA's record.
Comments	Given above.

Anwar Kamal

ANWAR KAMAL
Advocate Supreme Court
Intervenor

Anwar Kamal Law Associates
1-Turner Road, Lahore-54000

Dated: 11th July, 2016

Enclosures:

1. Detailed comments.
2. Data sheets.
3. Affidavit.
4. Bank Draft.

**NATIONAL ELECTRIC POWER REGULATORY AUTHORITY (NEPRA)
ISLAMABAD**

INTERVENTION REQUEST

IN

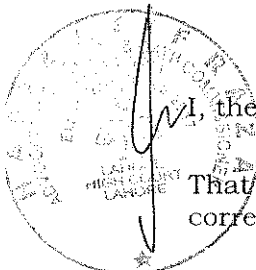
MULTIYEAR TARIFF PETITION FILED BY K-ELECTRIC LIMITED (K-ELECTRIC) FOR DETERMINATION OF TARIFF FOR THE PERIOD COMMENCING FROM JULY 01, 2016 TO JUNE 30, 2026.

AFFIDAVIT

of MR. ANWAR KAMAL, ADVOCATE SUPREME COURT, ZAHEER AHMED KHAN BUILDING, 1-TURNER ROAD, LAHORE.

I, the above named deponent, do hereby state on oath as under:

That the facts stated in the accompanying Intervention Request are correct to the best of my knowledge.


Anwar Kamal
Deponent

Verification:

Verified on oath at Lahore on this 11th day of July, 2016 that the contents of the above affidavit are correct and true to the best of my knowledge and that nothing material has knowingly been concealed therein.

Anwar Kamal
Deponent

ATTESTED
11-7-16

Account Payee Only



MCB Bank Limited

LAHORE THE MALL (0186)

Pay to Not Over: PKR 270.00** Or Order

Rupees NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

TWO HUNDRED SEVENTY ONLY**

Payable at any MCB Branch in Pakistan.
Please do not write below this line.

1755468
Stationery Ref No 1755468

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Signature
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Signatory
PA/Attorney No

Signatory
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Electricity Sent-out and Purchased by KESC during the Month of April 2016										
	BQPS-I	BQPS-II	(CTPS)	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	199.7	2092.92	
Units sent out (GWh) - on oil	241.596	0	0	0	0	0	0	0	241.596	
Units sent out (GWh) - on Gas	57.352	338.78	0	0	39.148	0	39.148	132.992	624.578	
Total Units sent-out (GWh) (Oil+Gas)	298.948	338.78	0	0	39.148	0	39.148	132.992	866.174	
Units could be sent out at 100% Plant's NET Capacity	797	362	58	12	61	12	61	144	1507	
Units that could have been sent out at 100% Plant's NET Capacity	499	23	58	12	22	12	22	11	641	
But not sent-out										
Plant Utilization Factor (%)	37.49	93.71	0.00	0.00	64.26	0.00	64.26	92.49	57.48	
Plant Under Utilization Factor (%)	62.51	6.29	100.00	100.00	35.74	100.00	35.74	7.51	42.52	
Fuel Cost (Rupees Million)										
Fuel Cost (Rs./kWh)										
KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.1155	0.1253	0.2448	KESC Own	60.37	KESC Own	42.52	IPP's	18.79	
Units Purchased (GWh)	76.909	66.235	143.144	NTDC	25.75	NTDC	21.05	IPP's	21.05	
Units can be purchased at 100% Plant Capacity (Net)	86	90	176	IPP's	9.98	IPP's	9.98	IPP's	9.98	
Units which could be purchased but not purchased (GWh)	9	24	33	Single	3.91	Single	3.91	Fuel Share (%) in Generation of KESC from its own Power Plant		
Plant Utilization Factor (%)	89.39	73.42	81.21	Total	100.00	Total	72.11	GAS	27.89	
Plant Under Utilization Factor (%)	10.61	26.58	18.79							
KESC Purchases from NTDC GWh										
Maximum Allowable limit of units (in GWh) that can be drawn from NTDC System	465 Korangi Gas-II Power Plant commissioned during August 2009 but license modified on 11.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 but license modified on 12.03.15									
Actual Units Drawn in GWh	369.5 320 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second 78.95 BQPS-II commissioned during February 2012 while Steam Turbine commissioned in May 2012.									
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	78.95 BQPS-II commissioned during February 2012 while Steam Turbine commissioned in May 2012.									
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILIL	Aggreko	Engro	Total	
Units Purchased (GWh)	45.547	0	0	4.98	0	3.535	0	0	56.063	
Fuel Cost (Rupees Million)										
Fuel Cost (Rs./kWh)										
Units Sent-out, Purchased and Sold out by KESC										
	in GWh	in %age	Cost of Oil based Power Purchases / sent out			Power Purchases / Generated (Mill KWh)			Fuel Cost (Mill Rs.)	Fuel Cost RS. / KWH
KESC own units fed in its Distribution System	866.174	60.37				TAPAL			361.109	4.695
KESC Purchased Units fed in its Distribution System	569	39.63				Sul-Ahmed			318.451	4.808
Total Units sent by KESC	1435	100.00				KESC Own			1364.051	5.646

Electricity Sent-out and Purchased by K-Electric during the Month of March 2016										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from K-Electric Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	199.7	2092.92	
Units sent out (GWh) - on oil	220.916	0	0	0	0	0	0	0	220.916	
Units sent out (GWh) - on Gas	77.406	210.29	0	0	53.826	0	55.788	127.864	525.174	
Total Units sent-out (GWh) (Oil+Gas)	298.322	210.29	0	0	53.826	0	55.788	127.864	746.09	
Units could be sent out at 100% Plant's NET Capacity	824	374	60	13	63	13	63	149	1557	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	526	163	60	13	9	13	7	21	811	
Plant Utilization Factor (%)	36.20	56.29	0.00	0.00	85.51	0.00	88.62	86.06	47.91	
Plant Under Utilization Factor (%)	63.80	43.71	100.00	100.00	14.49	100.00	11.38	13.94	52.09	
Fuel Cost (Rupees Million)	494.625	1085.727	0.000	0.000	306.810	0.000	317.992	698.517	2904.071	
Fuel Cost (Rs./KWh)	6.390	5.163	#DIV/0!	#DIV/0!	5.700	#DIV/0!	5.700	5.466		
K-Electric Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)		Un-Utilized Capacity (%)				
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KE Own	55.85	KE Own		IPP's	52.09	
Units Purchased (GWh)	81.901	65.275	147.176	NTDC	30.19	IPP's		NTDC	19.19	
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPP's	11.02				16.59	
Units which could be purchased but not purchased (GWh)	7	28	35	Small	2.94			Fuel Share (%) in Generation of KESC from its own Power Plant		
Plant Utilization Factor (%)	92.12	70.02	80.81	Total	100.00			Gas	70.39	29.61
Plant Under Utilization Factor (%)	7.88	29.98	19.19					RFO		
K-Electric Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2005 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15								
Actual Units Drawn in GWh	403.385	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second BQPS-II commissioned during February 2012 while Steam Turbine commissioned in May 2012.								
Unit drawn from NTDC System (% age) w.r.t to Maximum Allowable limit	83.41									
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al Abbas	ILL	Aggreko	Engro	Total	
Units Purchased (GWh)	27.971	0	0	4.939	0	6.407	0	0	39.317	
Fuel Cost (Rupees Million)	158.314	0	0	22.771	0	37.372	0	0		
Fuel Cost (Rs./KWh)	5.660	#DIV/0!	#DIV/0!	4.610	#DIV/0!	5.833	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by K-Electric										
	in GWh	in %age	Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost (Mill Rs.)	Fuel Cost RS / KWH		
KE own units fed into its Distribution System	746.09	55.85			TAPAL		342.902	4.187		
KE Purchased units fed into its Distribution System	590	44.15			Gul Ahmed		253.7	4.346		
Total Units sold by KE	1336	100.00			KE Own		1134.83	5.137		

Electricity Sent-out and Purchased by KESC during the Month of February 2016									
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC
1 Units Sent-out from KESC Own Generation									
NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	199.7	2092.92
Units sent out (GWh) - on oil	153.035	0	0	0	0	0	0	0	153.035
Units sent out (GWh) - on Gas	16.318	281.873	0	0	37.885	0	18.83	69.618	414.524
Total Units sent-out (GWh) - Oil+Gas	169.353	281.873	0	0	37.885	0	18.83	69.618	577.559
Units could be sent out at 100% Plant's NET Capacity	771	349	56	12	59	12	59	139	1457
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	602	68	56	12	2	12	40	69	879
Plant Utilization Factor (%)	21.97	80.66	0.00	0.00	64.33	0.00	31.98	50.09	39.65
Plant Under Utilization Factor (%)	78.03	19.34	100.00	100.00	35.67	100.00	68.02	49.91	60.35
Fuel Cost (Rupees Million)	104.275	1455.310	0.000	0.000	215.945	0.000	107.333	380.531	2263.394
Fuel Cost (Rs./KWH)	6.390	5.163	#DIV/0!	#DIV/0!	5.700	#DIV/0!	5.700	5.466	
2 KESC Purchases from IPPs supplying power on Take or Pay basis									
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)		
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	56.09		KESC Own	60.35	
Units Purchased (GWh)	52.337	23.684	86.021	NTDC	31.23		IPPs	49.51	
Units can be purchased at 100% Plant Capacity (Net)	83	87	170	IPPs	8.35		NTDC	28.91	
Units which could be purchased but not purchased (GWh)	31	54	84	Share	4.32		Fuel Share % in Generation of KESC from its own Power Plant		
Plant Utilization Factor (%)	62.93	38.62	50.49	Total	100.00		Gas	73.50	26.50
Plant Under Utilization Factor (%)	37.07	61.38	49.51						
3 KESC Purchases from NTDC GWh									
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	452.4	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15							
Actual Units Drawn - in GWh	321.624	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.							
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	71.09								
4 KESC Purchases from other generation companies on Take and Pay basis									
	KANUPP	PASMIC	DHA	Aroud	Al-Abbas	ILL	Aggreko	Engro	Total
Units Purchased (GWh)	34.064	0	0	5.131	0	0	5.327	0	44.522
Fuel Cost (Rupees Million)	190.603	0	0	20.954	0	0	31.094	0	
Fuel Cost (Rs./KWH)	5.595	#DIV/0!	#DIV/0!	4.084	#DIV/0!	#DIV/0!	5.837	#DIV/0!	
5 Units Sent-out, Purchased and Sold out by KESC									
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost RS. / KWH
KESC own units fed into Distribution System	577.559		56.09				TA=AL	52.337	4.120
KESC purchased units fed into Distribution System	452		43.91				ILL - A-MED	33.684	5.231
Total Units sold by KESC	1030		100.00				KESC Own	186.035	5.111

Electricity Sent-out and Purchased by KESC during the Month of January 2016										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	0	0	0	93.52	0	224.72	2021.46	
Units sent out (GWh) - on oil	77.551	0	0	0	0	0	0	0	77.551	
Units sent out (GWh) - on Gas	19.167	357.645	0	0	25.7	0	7.733	58.3	468.545	
Total Units sent-out (GWh) (Oil+Gas)	96.718	357.645	0	0	25.7	0	7.733	58.3	546.096	
Units could be sent out at 100% Plant's NET Capacity	824	374	0	0	70	0	70	167	1504	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	727	16	0	0	44	0	62	109	958	
Plant Utilization Factor (%)	11.74	95.74	#DIV/0!	#DIV/0!	36.94	#DIV/0!	11.11	34.87	36.31	
Plant Under Utilization Factor (%)	88.26	4.26	#DIV/0!	#DIV/0!	63.06	#DIV/0!	88.89	65.13	63.69	
Fuel Cost (Rupees Million)	122.479	1846.521	0.000	0.000	146.492	0.000	44.075	318.831	2178.398	
Fuel Cost (Rs./KWH)	6.390	5.163	#DIV/0!	#DIV/0!	5.700	#DIV/0!	5.700	5.469	5.469	
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)		Un-Utilized Capacity (%)				
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	51.89	KESC Own	63.69			
Units Purchased (GWh)	21.08	21.075	42.155	NTDC	39.55	IPPs	76.85			
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	4.08	NTDC	15.56			
Units which could be purchased but not purchased (GWh)	68	72	140	Share	3.48	Fuel Share (%) in Generation of KESC from its own Power Plant				
Plant Utilization Factor (%)	23.71	22.61	23.15	Total	100.00	Gas	85.80			
Plant Under Utilization Factor (%)	76.29	77.39	76.85			RFO	14.20			
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15								
Actual Units Drawn in GWh	408.345	220 MW KCPP power plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	84.44	BQPS-II commissioned during February 2012 while Steam Turbine commissioned in May 2012.								
4 KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	Illit	Aggreko	Engro	Total	
Units Purchased (GWh)	24.884	0	0	5.142	0	0	5.871	0	35.897	
Fuel Cost (Rupees Million)	136.116	0	0	21.739	0	0	34.276	0	0	
Fuel Cost (Rs./KWH)	5.470	#DIV/0!	#DIV/0!	4.228	#DIV/0!	#DIV/0!	5.838	#DIV/0!	#DIV/0!	
5 Units Sent-out, Purchased and Sold out by KESC										
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost (Mill Rs.)	
KESC										
KESC own units fed in its Distribution System	546.096		52.89				21.082		116.946	
KESC purchased units fed in its Distribution System	486		47.11				21.075		141.949	
Total Units sold by KESC	1032		100.00				77.551		477.626	

Electricity Sent-out and Purchased by KESC during the Month of December 2015									
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC
1 Units Sent-out from KESC Own Generation									
NET Plant Capacity (MW)	1107.6	502.1	0	0	93.52	0	93.52	224.7	2021.44
Units sent out (GWh) - on oil	60.398	0	0	0	0	0	0	0	60.398
Units sent out (GWh) - on Gas	61.99	361.147	0	0	16.017	0	2.422	28.002	469.578
Total Units sent out (GWh) (Oil+Gas)	122.388	361.147	0	0	16.017	0	2.422	28.002	529.976
Units could be sent out at 100% Plant's NET Capacity	824	374	0	0	70	0	70	167	1504
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	702	12	0	0	54	0	67	139	974
Plant Utilization Factor (%)	14.85	96.68	HDIV/01	HDIV/01	23.02	HDIV/01	3.48	16.75	35.24
Plant Under Utilization Factor (%)	85.15	3.32	HDIV/01	HDIV/01	76.98	HDIV/01	96.52	83.25	64.76
Fuel Cost (Rupees Million)	396.116	1864.602	0.000	0.000	91.298	0.000	13.807	153.058	2518.881
Fuel Cost (Rs./KWH)	6.390	5.163	HDIV/01	HDIV/01	5.700	HDIV/01	5.701	5.466	
2 KESC Purchases from IPPs supplying power on Take or Pay basis									
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)		
Plant Capacity (GWh) - Net	0.1195	0.1253	0.2448	KESC Own		51.08	KESC Own		64.76
Units Purchased (GWh)	27.048	26.275	53.323	NTDC		43.50	IPPs		70.72
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs		5.14	NTDC		10.96
Units which could be purchased but not purchased (GWh)	62	67	129	Small		2.29	Fuel Share (%) in Generation of KESC from its own Power Plant		
Plant Utilization Factor (%)	30.42	28.19	29.28	Total		100.00	Gas	88.60	11.40
Plant Under Utilization Factor (%)	69.58	71.81	70.72				RFO		
3 KESC Purchases from NTDC GWh									
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15							
Actual Units Drawn in GWh	430.579	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.							
Unit drawn from NTDC System (% age) w.r.t. Maximum Allowable limit	89.04	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.							
4 KESC Purchases from other generation companies on Take and Pay basis									
	KANUPP	PASMIC	DHA	Arund	Al-Abbas	III	Aggreko	Engro	Total
Units Purchased (GWh)	10.54	0	0	7.24	0	5.954	0	0	23.734
Fuel Cost (Rupees Million)	60.582	0	0	39.266	0	34.662	0	0	
Fuel Cost (Rs./KWH)	5.748	HDIV/01	HDIV/01	5.423	HDIV/01	5.822	HDIV/01	HDIV/01	
5 Units Sent-out, Purchased and Sold out by KESC									
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost RS. / KWH
KESC own units fed in its Distribution System	529.976	51.08			TAPAL	27.048	172.859	6.391	
KESC Purchased Units fed in its Distribution System	508	48.92			GUL AHMED	26.275	187.349	7.130	
Total Units sold by KESC	1038	100.00			KESC Own	60.398	449.754	7.447	

Electricity Sent-out and Purchased by KESC during the Month of November 2015										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	0	0	93.52	0	93.52	224.7	2021.44	
Units sent out (GWh) - on oil	60.657	0	0	0	0	0	0	0	60.657	
Units sent out (GWh) - on Gas	124.142	337.86	0	0	26.262	0	15.135	103.286	606.685	
Total Units sent out (GWh) (Oil+Gas)	184.799	337.86	0	0	26.262	0	15.135	103.286	667.342	
Units could be sent out at 100% Plant's NET Capacity	797	362	0	0	67	0	67	162	1455	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	613	24	0	0	41	0	41	58	788	
Plant Utilization Factor (%)	23.17	93.46	#DIV/0!	#DIV/0!	39.00	#DIV/0!	22.48	63.84	45.85	
Plant Under Utilization Factor (%)	76.83	6.54	#DIV/0!	#DIV/0!	61.00	#DIV/0!	77.52	36.16	54.15	
Fuel Cost (Rupees Million)	793.266	1744.382	0.000	0.000	149.695	0.000	86.271	564.563	3338.177	
Fuel Cost (Rs./kWh)	6.390	5.163	#DIV/0!	#DIV/0!	5.700	#DIV/0!	5.700	5.466		
KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)		Un-Utilized Capacity (%)				
Plant Capacity (GW) - Net	0.1295	0.1253	0.2448	KESC Own	54.92	KESC Own	54.15			
Units Purchased (GWh)	33.452	31.197	64.649	NTDC	36.14	22%	63.22			
Units can be purchased at 100% Plant Capacity (Net)	86	90	176	PPs	5.32	NTDC	6.18			
Units which could be purchased but not purchased (GWh)	53	59	112	Small	3.62	Fuel Share (%) in Generation of KESC from its own power Plant				
Plant Utilization Factor (%)	38.88	34.58	36.68	Total	100.00	Gas	30.91			
Plant Under Utilization Factor (%)	61.12	65.42	63.32			RFO	9.09			
KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15								
Actual Units Drawn in GWh	439.072	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	93.82	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Aroud	Al-Abbas	ILL	Aggreko	Engro	Total	
Unit purchased (GWh)	1.893	0	0	6.407	0	5.658	0	0	43.958	
Fuel Cost (Rupees Million)	17.556	0	0	38.363	0	33.018	0	0		
Fuel Cost (Rs./KWH)	5.881	#DIV/0!	#DIV/0!	5.988	#DIV/0!	5.836	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC										
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost (Mill Rs.)	
KESC own units fed into its Distribution System	65.342		54.92						220.175	6.582
KESC Purchased Units fed into its Distribution System	548		45.08						222.394	7.129
Total Units sold by KESC	1215		100.00						484.898	7.994

Electricity Sent-out and Purchased by KESC during the Month of October 2015										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	0	0	93.52	0	93.52	224.7	2021.44	
Units sent out (GWh) - on oil	222.532	0	0	0	0	0	0	0	222.532	
Units sent out (GWh) - on Gas	194.354	339.939	0	0	43.916	0	25.948	122.574	726.231	
Total Units sent-out (GWh) (Oil+Gas)	416.886	339.939	0	0	43.916	0	25.948	122.574	949.263	
Units could be sent out at 100% Plant's NET Capacity	824	374	0	0	70	0	70	167	1504	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	407	34	0	0	26	0	26	43	555	
Plant Utilization Factor (%)	50.59	91.03	#DIV/0!	#DIV/0!	63.12	#DIV/0!	37.29	73.32	63.12	
Plant Under Utilization Factor (%)	49.41	9.00	#DIV/0!	#DIV/0!	36.88	#DIV/0!	62.71	26.68	36.88	
Fuel Cost (Rupees Million)	1241.922	1755.105	0.000	0.000	250.323	0.000	147.904	659.987	4065.241	
Fuel Cost (Rs./kWh)	6.390	5.163	#DIV/0!	#DIV/0!	5.700	#DIV/0!	5.700	5.466		
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GWh) - Net	0.1195	0.1253	0.2448	KESC Own	60.11		KESC Own	36.88		
Units Purchased (GWh)	73.618	72.00	145.618	NTDC	25.69		IPPs	20.05		
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	9.22		NTDC	3.04		
Units which could be purchased but not purchased (GWh)	15	21	37	Share	0.98		Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	82.80	77.23	79.95	Total	100.00		Gas	76.56		
Plant Under Utilization Factor (%)	17.20	22.77	20.05				RFO	23.44		
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2005 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15								
Actual Units Drawn in GWh	468.881	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	96.96	BQPS-I commissioned during February 2012 While Steam Turbine commissioned in May 2012								
4 KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	IL	Aggreko	Engro	Total	
Units Purchased (GWh)	2.16	0	0	7.454	0	5.88	0	0	15.494	
Fuel Cost (Rupees Million)	13.761	0	0	45.113	0	34.365	0	0		
Fuel Cost (Rs./KWh)	6.371	#DIV/0!	#DIV/0!	6.052	#DIV/0!	5.844	#DIV/0!	#DIV/0!		
5 Units Sent-out, Purchased and Sold out by KESC										
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost (Mill Rs.)	
KESC own units fed in its Distribution System	949.263	60.11					TAPAL	73.618	475.57	6.460
KESC Purchased Units fed in its Distribution System	630	39.89					GUL Ahmed	72.000	476.597	6.619
Total Units sold by KESC	1579	100.00					KESC Own	242.532	1752.143	7.869

Electricity Sent-out and Purchased by KESC during the Month of September 2015										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	0	0	93.53	0	93.52	224.7	2021.44	
Units sent out (GWh) - on oil	181.735	0	0	0	0	0	0	0	181.735	
Units sent out (GWh) - on Gas	202.811	325.066	0	0	47.713	0	27.665	113.946	717.201	
Total Units sent-out (GWh) (Oil-Gas)	384.546	325.066	0	0	47.713	0	27.665	113.946	898.936	
Units could be sent out at 100% Plant's NET Capacity	797	362	0	0	67	0	67	162	1455	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	413	36	0	0	20	0	40	48	557	
Plant Utilization Factor (%)	48.22	89.92	#DIV/0!	#DIV/0!	70.86	#DIV/0!	41.09	70.43	61.76	
Plant Under Utilization Factor (%)	51.78	10.08	#DIV/0!	#DIV/0!	29.14	#DIV/0!	58.91	29.57	38.24	
Fuel Cost: (Rupees Million)	1295.965	1678.316	0.000	0.000	271.965	0.000	157.693	622.828	4026.767	
Fuel Cost: (Rs./KWh)	6.390	5.163	#DIV/0!	#DIV/0!	5.700	#DIV/0!	5.700	5.466		
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
TAPAL	0.1195	0.1253	0.2448							
Plant Capacity (GW) - Net	72.077	70.813	142.89							
Units Purchased (GWh)	86	90	176							
Units could be purchased at 100% Plant Capacity (Net)	24	19	33							
Units which could be purchased but not purchased (GWh)										
Plant Utilization Factor (%)	83.77	78.49	81.07							
Plant Under Utilization Factor (%)	16.23	21.51	18.93							
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System:	452.531									
Actual Units Drawn in GWh	96.69									
Units drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit										
4 KESC Purchases from other generation companies on Take and Pay basis										
KANUPP	14.515	0	0	6.505	0	5.195	0	0	26.225	
Units Purchased (GWh)	92.669	0	0	39.256	0	30.266	0	0		
Fuel Cost: (Rupees Million)	6.380	#DIV/0!	#DIV/0!	6.035	#DIV/0!	5.826	#DIV/0!	#DIV/0!		
Fuel Cost: (Rs./KWh)										
5 Units Sent-out, Purchased and Sold out by KESC										
KESC										
Units fed into Distribution System	858.356	59.12							6.671	
Units fed into Distribution System	622	40.88							7.101	
Units sold by KESC	1521	100.00							7.943	

Electricity Sent-out and Purchased by KESC during the Month of August 2015										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	0	0	0	93.52	0	224.7	2021.44	
Units sent out (GWh) - on oil	181.097	0	0	0	0	0	0	0	181.097	
Units sent out (GWh) - on Gas	163.22	332.923	0	0	49.486	22.905	0	119.339	687.873	
Total Units sent-out (GWh) (Oil+Gas)	344.317	332.923	0	0	49.486	22.905	0	119.339	868.970	
Units could be sent out at 100% Plant's NET Capacity	824	374	0	0	79	79	0	167	1504	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	480	41	0	0	20	47	0	48	635	
Plant Utilization Factor (%)	41.78	89.12	#DIV/0!	#DIV/0!	71.12	#DIV/0!	#DIV/0!	71.38	57.78	
Plant Under Utilization Factor (%)	58.22	10.88	#DIV/0!	#DIV/0!	28.88	#DIV/0!	#DIV/0!	28.62	42.22	
Fuel Cost (Rupees Million)	848.667	1398.682	0.000	0.000	229.525	106.239	0.000	530.794	3113.907	
Fuel Cost (Rs./KWH)	5.200	4.201	#DIV/0!	#DIV/0!	4.638	#DIV/0!	#DIV/0!	4.448		
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own		56.35		KESC Own	42.22	
Units Purchased (GWh)	73.097	73.824	146.921	NTDC		30.07		IPPs	19.33	
Units can be purchased at 100% Plant Capacity (Net)	99	93	182	IPPs		9.53		NTDC	4.13	
Units which could be purchased but not purchased (GWh)	16	19	35	Small		4.05		Fuel Share (%) in Generation of KESC from its own Power Plant		
Plant Utilization Factor (%)	82.22	79.19	80.67	Total		100.00		Gas	79.16	
Plant Under Utilization Factor (%)	17.78	20.81	19.33					RFO	20.84	
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power plant commissioned during July 2009 to December 2009 but license modified on 12.03.15								
Actual Units Drawn in GWh	463.691	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	95.88	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
4 KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total	
Units Purchased (GWh)	48.918	0	0	7.021	0	6.442	0	0	62.381	
Fuel Cost (Rupees Million)	283.3742	0	0	48.4346	0	36.0586	0	0		
Fuel Cost (Rs./KWH)	5.793	#DIV/0!	#DIV/0!	6.899	#DIV/0!	5.597	#DIV/0!	#DIV/0!		
5 Units Sent-out, Purchased and Sold out by KESC										
	in GWh	in %age	Cost of Oil based Power Purchases /sent out			Power Purchases / Generated (Milli KWH)			Fuel Cost RS. / KWH	
KESC own units fed in its Distribution System	868.97	56.35				TAPAL 73.057			8.337	
KESC Purchased Units fed in its Distribution System	673	43.65				GUL AHMED 73.834			8.963	
Total Units sold by KESC	1542	100.00				KESC Own 151.057			9.612	

Electricity Sent-out and Purchased by KESC during the Month of July 2015											
	BQPS-I	BQPS-II	KIPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation											
NET Plant Capacity (MW)	1107.6	502.1	0	0	0	93.52	0	93.52	224.7	2021.44	
Units sent out (GWh) - on oil	182.058	0	0	0	0	0	0	0	0	182.058	
Units sent out (GWh) - on Gas	294.202	308.815	0	0	0	51.936	0	46.548	123.645	825.146	
Total Units sent-out (GWh) (Oil+Gas)	476.26	308.815	0	0	0	51.936	0	46.548	123.645	1007.204	
Units could be sent out at 100% Plant's NET Capacity	824	374	0	0	0	70	0	70	167	1504	
Units that could have been sent out at 100% plant's NET Capacity but not sent-out	348	65	0	0	0	18	0	23	44	497	
Plant Utilization Factor (%)	57.79	82.67	#DIV/0!	#DIV/0!	#DIV/0!	74.64	#DIV/0!	66.90	73.96	66.97	
Plant Under Utilization Factor (%)	42.21	17.33	#DIV/0!	#DIV/0!	#DIV/0!	25.36	#DIV/0!	33.10	26.04	33.03	
Fuel Cost (Rupees Million)	1529.748	1297.399	0.000	0.000	0.000	240.888	0.000	215.899	549.944	3833.878	
Fuel Cost (Rs./KWH)	5.200	4.201	#DIV/0!	#DIV/0!	#DIV/0!	4.638	#DIV/0!	4.638	4.448		
2 KESC Purchases from IPPs supplying power on Take or Pay basis											
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)		Un-Utilized Capacity (%)					
Plant Capacity (GW) - Net	0.1195	0.253	0.2448	KESC Own	61.42	KESC Own	33.03				
Units Purchased (GWh)	63.093	70.273	133.366	NTDC	27.36	IPPs	26.77				
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	8.13	NTDC	7.22				
Units which could be purchased but not purchased (GWh)	26	23	49	Small	3.08	Fuel Share (%) in Generation of KESC from its own Power Plant					
Plant Utilization Factor (%)	70.96	75.38	73.23	Total	100.00	Gas	81.92	RFO		18.08	
Plant Under Utilization Factor (%)	29.04	24.62	26.77								
3 KESC Purchases from NTDC GWh											
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II: Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15									
Actual Units Drawn in GWh	448.681	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.									
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	92.78	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.									
4 KESC Purchases from other generation companies on Take and Pay basis											
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	IIL	Aggreko	Engro	Total		
Units Purchased (GWh)	36.926	0.093	0	6.886	0	6.653	0	0	50.548		
Fuel Cost (Rupees Million)	229.115	5.578	0	53.369	0	37.165	0	0			
Fuel Cost (Rs./KWH)	6.205	6.215	#DIV/0!	7.750	#DIV/0!	5.595	#DIV/0!	#DIV/0!			
5 Units Sent-out, Purchased and Sold out by KESC (GWh)											
	In GWh	In %age	Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Milli KWH)		Fuel Cost (Milli Rs.)		Fuel Cost RS. / KWH		
KESC own units fed in its Distribution System	1007.204	61.42			TAPAL		63.093		5.4056		
KESC Purchased Units fed in its Distribution System	632.60	38.58			GUL AHMED		70.273		6.9398		
Total Units sold by KESC	1640	100.00			KESC Own		182.058		20.9615		

Electricity Sent-out and Purchased by KESC during the Month of June 2015										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	0	0	93.52	0	93.52	224.7	2021.44	
Units sent out (GWh) - on oil	328.273	0	0	0	0	0	0	0	328.273	
Units sent out (GWh) - on Gas	171.57	319.55	0	0	46.554	0	21.685	112.08	671.439	
Total Units sent-out (GWh) (Oil+Gas)	499.843	319.55	0	0	46.554	0	21.685	112.08	999.712	
Units could be sent out at 100% Plant's NET Capacity	797	362	0	0	67	0	67	162	1455	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	298	42	0	0	21	0	46	50	456	
Plant Utilization Factor (%)	62.68	88.35	#DIV/0!	#DIV/0!	69.14	#DIV/0!	32.20	69.28	68.69	
Plant Under Utilization Factor (%)	37.32	11.61	#DIV/0!	#DIV/0!	30.86	#DIV/0!	67.80	30.72	31.31	
Fuel Cost (Rupees Million)	892.101	1342.500	0.000	0.000	215.927	0.000	100.577	498.508	3049.613	
Fuel Cost (Rs./KWH)	5.200	4.201	#DIV/0!	#DIV/0!	4.638	#DIV/0!	4.638	4.448		
KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)		Share in Generation (%)		Un-Utilized Capacity (%)		
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own		60.53		KESC Own		31.31
Units Purchased (GWh)	83.114	77.602	160.716	NTDC		27.78		IPPs		8.82
Units can be purchased at 100% Plant Capacity (Net)	86	90	176	IPPs		9.73		NTDC		1.97
Units which could be purchased but not purchased (GWh)	3	13	16	Small		1.96		Fuel Share (%) in Generation of KESC from its own Power Plant		
Plant Utilization Factor (%)	96.60	86.02	91.18	Total		100.00		Gas		67.16
Plant Under Utilization Factor (%)	3.40	13.98	8.82					RFO		32.84
KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
Actual Units Drawn in GWh	458.789	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t to Maximum Allowable limit	98.03	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total	
Units Purchased (GWh)	17.611	0.808	0	6.629	0	7.351	0	0	32.399	
Fuel Cost (Rupees Million)	127.643	5.856	0	55.197	0	41.48	0	0		
Fuel Cost (Rs./KWH)	7.248	7.248	#DIV/0!	8.327	#DIV/0!	5.602	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC										
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost RS. / KWH	
KESC										
KESC own units fed in its Distribution System	999.712		60.53				83.114		841.274	
KESC Purchased units fed in its Distribution System	652		39.47				77.602		511.797	
Total Units sold by KESC	1652		100.00				328.273		3891.945	

Electricity Sent-out and Purchased by KESC during the Month of May 2015									
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas - II	S.I.T.E Gas-I	S.I.T.E Gas - II	220 MW KCCP	Total KESC
Units Sent-out from KESC Own Generation									
NET Plant Capacity (MW)	1107.6	502.1	0	0	0	93.52	0	224.7	2021.42
Units sent out (GWh) - on oil	248.528	0	0	0	0	0	0	0	248.528
Units sent out (GWh) - on Gas	222.491	330.442	0	0	45.635	0	9.668	93.12	701.356
Total Units sent-out (GWh) (Oil+Gas)	471.019	330.442	0	0	45.635	0	9.668	93.12	949.884
Units could be sent out at 100% Plant's NET Capacity	824	374	0	0	70	0	70	167	1504
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	353	43	0	0	24	0	60	74	554
Plant Utilization Factor (%)	57.16	88.46	#DIV/0!	#DIV/0!	65.59	#DIV/0!	13.90	55.70	63.16
Plant Under Utilization Factor (%)	42.84	11.54	#DIV/0!	#DIV/0!	34.41	#DIV/0!	86.10	44.30	36.84
Fuel Cost (Rupees Million)	1156.874	1388.259	0.000	0.000	211.662	0.000	44.843	414.176	3215.814
Fuel Cost (Rs./KWH)	5.200	4.201	#DIV/0!	#DIV/0!	4.638	#DIV/0!	4.638	4.448	
KESC Purchases from IPPs supplying power on Take or Pay basis									
TAPAL		Gul Ahmed	Total IPPs	Share in Generation (%)		Un-Utilized Capacity (%)			
Plant Capacity (GWh) - Net	0.1195	0.1253	0.2448	KESC Own	58.36	KESC Own		KESC Own	36.84
Units Purchased (GWh)	80.196	74.918	155.114	A-DC	28.74	IPPs		IPPs	14.83
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	Gas	9.53	NTDC		NTDC	3.26
Units which could be purchased but not purchased (GWh)	9	18	27	Small	3.37	Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	90.20	80.36	85.17	Total	100.00	Gas		Gas	73.84
Plant Under Utilization Factor (%)	9.80	19.64	14.83			RFO		RFO	26.16
KESC Purchases from NTDC GWh									
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Ste Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15							
Actual Units Drawn in GWh	467.840	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.							
Unit drawn from NTDC System (Average) w.r.t to Maximum	96.74	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.							
KESC Purchases from other generation companies on Take and Pay basis									
KANUPP		PASMIC	DHA	Anoud	Al-Abbas	IIL	Aggreko	Eng'o	Total
Units Purchased (GWh)	21.512	0.244	0	7.056	0	5.978	0	0	54.82
Fuel Cost (Rupees Million)	274.504	1.632	0	57.353	0	33.486	0	0	
Fuel Cost (Rs./KWH)	6.613	6.607	#DIV/0!	8.094	#DIV/0!	5.602	#DIV/0!	#DIV/0!	
Units Sent-out, Purchased and Sold out by KESC									
in GWh			in %age			Cost of Oil based Power Purchases / sent out		Power Purchases / Generated (Mill KWH)	
								Fuel Cost RS. / KWH	
KESC own units fed into Distribution System			58.36			74.918		659.059	
KESC Purchased Units fed into Distribution System			41.64			74.918		723.426	
Total Units sold by KESC			1628			248.528		2731.002	

Electricity Sent-out and Purchased by KESC during the Month of April 2015									
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC
Units Sent-out from KESC Own Generation									
NET Plant Capacity (MW)	1107.6	502.1	0	0	93.52	0	93.52	224.7	2021.44
Units sent out (GWh) - on oil	250.321	0	0	0	0	0	0	0	250.321
Units sent out (GWh) - on Gas	134.833	288.437	0	0	33.254	0	1.539	96.658	554.721
Total Units sent-out (GWh) (Oil+Gas)	385.154	288.437	0	0	33.254	0	1.539	96.658	805.042
Units could be sent out at 100% Plant's NET Capacity	797	362	0	0	67	0	67	162	1455
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	412	73	0	0	34	0	66	65	650
Plant Utilization Factor (%)	48.30	79.79	#DIV/0!	#DIV/0!	49.39	#DIV/0!	2.29	59.75	55.31
Plant under Utilization Factor (%)	51.70	20.21	#DIV/0!	#DIV/0!	50.61	#DIV/0!	97.71	40.25	44.69
Fuel Cost (Rupees Million)	701.086	1211.787	0.000	0.000	154.240	0.000	7.139	429.914	2504.166
Fuel Cost (Rs./KWH)	5.200	4.201	#DIV/0!	#DIV/0!	4.638	#DIV/0!	4.639	4.448	
KESC Purchases from IPPs supplying power on Take or Pay basis									
TAPAL		Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)		
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	55.12	KESC Own	44.69		
Units Purchased (GWh)	78.161	75.302	153.463	NTDC	30.85	IPPs	12.93		
Units can be purchased at 100% Plant Capacity (Net)	86	90	176	IPPs	10.51	NTDC	3.73		
Units which could be purchased but not purchased (GWh)	8	15	23	Small	3.52	Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	90.84	83.47	87.07	Total	100.00	Gas	68.91	RFO	31.09
Plant under Utilization Factor (%)	9.16	16.53	12.93						
KESC Purchases from NTDC GWh									
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	450.544			Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15					
Actual Units Drawn in GWh	96.27			220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.					
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	96.27			BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012					
KESC Purchases from other generation companies on Take and Pay basis									
KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total	
Units Purchased (GWh)	37.455	0.962	0	7.422	0	5.566	0	51.405	
Fuel Cost (Rupees Million)	245.847	6.314	0	52.032	0	31.053	0		
Fuel Cost (Rs./KWH)	6.564	6.563	#DIV/0!	7.011	#DIV/0!	5.579	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC									
	in GWh	in %age	Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost RS / KWH		
KESC own units fed in its Distribution System	805.042	55.12			TAPAL		8.048		
KESC Purchased Units fed in its Distribution System	655	44.88			Gul Ahmed		8.891		
Total Units sold by KESC	1460	100.00			KESC Own		10.197		

Electricity Sent-out and Purchased by KESC during the Month of March 2015										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	199.7	2092.92	
Units sent out (GWh) - on oil	144.256	0	0	0	0	0	0	0	144.256	
Units sent out (GWh) - on Gas	87.549	284.495	0	0	14.499	0	0.331	36.13	423.004	
Total Units sent-out (GWh) (Oil+Gas)	231.805	284.495	0	0	14.499	0	0.331	36.13	567.26	
Units could be sent out at 100% Plant's NET Capacity	824	374	80	13	63	13	63	149	1557	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	592	89	60	13	18	13	63	112	990	
Plant Utilization Factor (%)	28.13	75.16	0.00	0.00	23.03	0.00	0.53	24.32	36.43	
Plant Under Utilization Factor (%)	71.87	23.84	100.00	100.00	76.97	100.00	99.47	75.68	63.57	
Fuel Cost (Rupees Million)	455.224	1195.226	0.000	0.000	67.249	0.000	1.537	160.698	1879.934	
Fuel Cost (Rs./KWH)	5.200	4.201	#DIV/0!	#DIV/0!	4.638	#DIV/0!	4.644	4.448		
KESC Purchases from IPPs supplying power on Take or Pay basis										
TAPAL		Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GWh) - Net	0.1195	0.253	0.2448	KESC Own	46.58	KESC Own	63.57	IPPs	31.59	
Units Purchased (GWh)	66.039	58.352	124.591	NTDC	38.28	NTDC	3.58	IPPs	31.59	
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	10.23	IPPs	3.58	NTDC	3.58	
Units which could be purchased but not purchased (GWh)	23	35	58	Stratf	4.92	Stratf		Fuel Share (%) in Generation of KESC from its own Power Plant		
Plant Utilization Factor (%)	74.28	62.81	68.41	Total	100.00	Total		Gas	74.57	25.43
Plant Under Utilization Factor (%)	25.72	37.19	31.59					RFO		
KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6			Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15						
Actual Units Drawn in GWh	466.274			220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.						
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	96.42			BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012						
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	IIL	Aggreko	Engro	Total	
Units Purchased (GWh)	44.699	2.131	0	7.905	0	6.087	0	0	59.822	
Fuel Cost (Rupees Million)	287.99	7.29	0	58.364	0	33.971	0	0		
Fuel Cost (Rs./KWH)	6.443	6.446	#DIV/0!	7.383	#DIV/0!	5.581	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC										
	In GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost RS. / KWH	
KESC										
KESC own units fed in its Distribution System	567.26	46.58							8.271	
KESC Purchased Units fed in its Distribution System	651	53.42							9.498	
Total Units sold by KESC	1218	100.00							10.993	

Electricity Sent-out and Purchased by KESC during the Month of February 2015										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.6	17.1	84.6	199.7	2092.92	
Units sent out (GWh) - or oil	66.102	0	0	0	0	0	0	0	66.102	
Units sent out (GWh) - on Gas	123.084	142.587	0	0	22.146	0	2.96	54.824	345.601	
Total Units sent-out (GWh) (Oil-Gas)	189.186	142.587	0	0	22.146	0	2.96	54.824	411.703	
Units could be sent out at 100% Plant's NET Capacity	744	337	34	11	57	11	57	134	1406	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	555	195	54	11	35	11	35	79	995	
Plant Utilization Factor (%)	25.42	42.26	0.00	0.00	38.95	0.00	5.21	40.85	29.27	
Plant Under Utilization Factor (%)	74.58	57.74	100.00	100.00	61.05	100.00	94.79	59.15	70.73	
Fuel Cost (Rupees Million)	639.998	599.039	0.000	0.000	102.723	0.000	13.731	243.846	1599.333	
Fuel Cost (Rs./KWH)	5.200	4.201	#DIV/0!	#DIV/0!	4.638	#DIV/0!	4.639	4.448		
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
TAPAL		Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	41.56	KESC Own	70.73			
Units Purchased (GWh)	55.685	58.952	114.637	NTDC	42.17	PPs	30.31			
Units can be purchased at 100% Plant Capacity (Net)	80	84	165	PPs	11.57	NTDC	4.37			
Units which could be purchased but not purchased (GWh)	25	25	50	Small	4.69	Fuel Share (%) in Generation of KESC from its own Power Plant				
Plant Utilization Factor (%)	69.34	70.01	69.69	Total	100.00	Gas	89.94			
Plant Under Utilization Factor (%)	30.66	29.99	30.31			RFO	10.06			
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	436.8	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15								
Actual Units Drawn in GWh	417.728	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	95.63	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
4 KESC Purchases from other generation companies on Take and Pay basis										
KANUPP	PASMIC	DHA	Anoud	Al-Abbas	IIL	Engro	Total			
Units Purchased (GWh)	32.096	1.188	0	7.555	5.609	0	46.448			
Fuel Cost (Rupees Million)	186.696	6.909	0	49.799	31.249	0				
Fuel Cost (Rs./KWH)	5.817	5.816	#DIV/0!	6.592	5.571	#DIV/0!				
5 Units Sent-out, Purchased and Sold out by KESC										
	in GWh	in %age	Cost of Oil based Power Purchases /sent out			Power Purchases / Generated (Milli KWH)			Fuel Cost RS. / KWH	
KESC own units fed in its Distribution System	411.703	41.56				TAPAL			55.685	
KESC Purchased Units fed in its Distribution System	579	58.44				GUL AHMED			58.952	
Total Units sold by KESC	991	100.00				KESC Own			66.102	

Electricity Sent-out and Purchased by KESC during the Month of January 2015										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	195.7	2092.92	
Units sent out (GWh) - on oil	50.707	0	0	0	0	0	0	0	50.707	
Units sent out (GWh) - on Gas	49.18	309.638	0	0	9.991	0	1.481	12.464	382.754	
Total Units sent-out (GWh) (Oil-Gas)	99.887	309.638	0	0	9.991	0	1.481	12.464	433.461	
Units could be sent out at 100% Plant's NET Capacity	824	374	60	13	63	13	63	149	1557	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	724	64	60	13	53	13	61	136	1124	
Plant Utilization Factor (%)	12.12	82.89	0.00	0.00	15.87	0.00	2.35	8.39	27.84	
Plant Under Utilization Factor (%)	87.88	17.11	100.00	100.00	84.13	100.00	97.65	91.61	72.16	
Fuel Cost (Rupees Million)	255.721	1300.857	0.000	0.000	46.341	0.000	6.870	55.438	1665.227	
Fuel Cost (Rs./KWh)	5.200	4.201	#DIV/0!	#DIV/0!	4.638	#DIV/0!	4.639	4.448		
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)		Share in Generation (%)		Un-Utilized Capacity (%)		
Plant Capacity (GW) - Net:	0.1195	0.1253	0.2448	KESC Own	42.88	KESC Own	42.88	KESC Own	72.16	
Units Purchased (GWh)	48.468	36.86	85.328	NTDC	44.52	NTDC	44.52	NTDC	53.15	
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	8.44	IPPs	8.44	IPPs	5.94	
Units which could be purchased but not purchased (GWh)	40	56	97	Small	4.16	Small	4.16	Fuel Share (%) in Generation of KESC from its own Power Plant		
Plant Utilization Factor (%)	54.51	39.54	46.85	Total	100.00	Total	100.00	Gas	88.30	
Plant Under Utilization Factor (%)	45.49	60.46	53.15					RFO	11.70	
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 but license modified on 12.03.15. Similarly Sre Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
Actual Units Drawn in GWh	450.026	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015								
Unit drawn from NTDC System (% age) w.r.t to Maximum Allowable limit	93.06	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
4 KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	HL	Aggreko	Engro	Total	
Units Purchased (GWh)	26.933	0.106	0	9.014	0	0	0	0	42.102	
Fuel Cost (Rupees Million)	140.97	0.552	0	61.531	0	0	33.849	0		
Fuel Cost (Rs./KWh)	5.232	5.208	#DIV/0!	6.826	#DIV/0!	#DIV/0!	5.596	#DIV/0!		
5 Units Sent-out, Purchased and Sold out by KESC										
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost (Mill Rs.)	
KESC										
KESC own units fed in its Distribution System	433.461		42.88		TAPAL		48.468		443.962	
KESC Purchased units fed in its Distribution System	577		57.12		GUL AHMED		36.860		320.439	
Total Units sold by KESC	1011		100.00		KESC Own		50.707		498.883	

Electricity Sent-out and Purchased by KESC during the Month of December 2014									
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas - II	S.I.T.E Gas-I	S.I.T.E Gas - II	220 MW KCPP	Total KESC
1 Units Sent-out from KESC Own Generation									
NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	199.7	2092.92
Units sent out (GWh) - on oil	92.252	0	0	0	0	0	0	0	92.252
Units sent out (GWh) - on Gas	45.878	319.132	0	0	10.498	0	0.521	19.625	395.654
Total Units sent-out (GWh) (Oil+Gas)	138.13	319.132	0	0	10.498	0	0.521	19.625	487.906
Units could be sent out at 100% Plant's NET Capacity	824	374	60	13	63	13	63	149	1557
Units that could have been sent out at 100% Plant's NET Capacity but not sent out	586	54	60	13	52	13	62	129	1069
Plant Utilization Factor (%)	16.76	85.43	0.00	0.00	16.68	0.00	0.83	13.21	31.33
Plant Under Utilization Factor (%)	83.24	14.57	100.00	100.00	83.32	100.00	99.17	86.79	68.67
Fuel Cost (Rupees Million)	238.550	1340.743	0.000	0.000	48.693	0.000	2.416	87.286	1717.688
Fuel Cost (Rs./KWH)	5.200	4.201	#DIV/0!	#DIV/0!	4.638	#DIV/0!	4.637	4.448	
2 KESC Purchases from IPPs supplying power on Take or Pay basis									
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)		
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	45.96	KESC Own	68.67		
Units Purchased (GWh)	50.148	40.363	90.511	NTDC	41.69	IPP's	50.30		
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPP's	8.53	NTDC	8.47		
Units which could be purchased but not purchased (GWh)	39	53	92	Small	3.83	Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	56.40	43.30	49.70	Total	100.00	Gas	81.09		18.91
Plant Under Utilization Factor (%)	43.60	56.70	50.30			RFO			
3 KESC Purchases from NTDC GWh									
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.8	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Simlariy Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15							
Actual Units Drawn in GWh	442.648	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.							
Unit drawn from NTDC System (% age) w.r.t to Maximum Allowable limit	91.53	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.							
4 KESC Purchases from other generation companies on Take and Pay basis									
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ITL	Aggreko	Engro	Total
Units Purchased (GWh)	24.598	0.638	0	9.192	0	6.182	0	0	40.61
Fuel Cost (Rupees Million)	151.381	3.927	0	79.294	0	34.505	0	0	
Fuel Cost (Rs./KWH)	6.154	6.155	#DIV/0!	8.626	#DIV/0!	5.582	#DIV/0!	#DIV/0!	
5 Units Sent-out, Purchased and Sold out by KESC									
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost RS. / KWH
KESC own units fed in its Distribution System	487.906	45.96			TAPAL	50.148	569.574	11.358	
KESC Purchased Units Fed in its Distribution System	574	54.04			GUL AHMED	40.363	463.705	11.488	
Total Units sold by KESC	1062	100.00			KESC Own	92.352	1150.047	12.466	

Electricity Sent-out and Purchased by KESC during the Month of November 2014											
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	Units Sent-out from KESC Own Generation	
1											
	NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	17.1	84.61	2092.92
	Units sent out (GWh) - on oil	85.008	0	0	0	0	0	0	0	0	85.008
	Units sent out (GWh) - on Gas	94.451	326.626	0	0	36.302	0	36.302	0	10.031	534.33
	Total Units sent-out (GWh) (Oil+Gas)	179.459	326.626	0	0	36.302	0	36.302	0	10.031	619.338
	Units could be sent out at 100% Plant's NET Capacity	797	362	58	12	61	12	61	12	61	1507
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	618	35	58	12	25	12	25	12	51	888
	Plant Utilization Factor (%)	22.50	90.35	0.00	0.00	59.59	0.00	59.59	0.00	46.54	41.10
	Plant Under Utilization Factor (%)	77.50	9.65	100.00	100.00	40.41	100.00	40.41	100.00	53.46	58.90
	Fuel Cost (Rupees Million)	491.113	1372.227	0.000	0.000	168.376	0.000	168.376	0.000	46.526	2375.886
	Fuel Cost (Rs./KWh)	5.200	4.201	#DIV/0!	#DIV/0!	4.638	#DIV/0!	4.638	#DIV/0!	4.448	
2	KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed		Total IPPs		Share in Generation (%)		Un-Utilized Capacity (%)			
	Plant Capacity (GW) - Net	0.1195	0.1253	0.2448		KESC Own	51.10	KESC Own			58.90
	Units Purchased (GWh)	53.09	43.319	96.409		NTDC	36.92	IPPs			45.30
	Units can be purchased at 100% Plant Capacity (Net)	86	90	176		IPPs	7.96	NTDC			4.38
	Units which could be purchased but not purchased (GWh)	33	47	80		Small	4.02	Fuel Share (%) in Generation of KESC from its own Power Plant			
	Plant Utilization Factor (%)	61.70	48.02	54.70		Total	100.00	Gas			
	Plant Under Utilization Factor (%)	38.30	51.98	45.30				RFO			13.73
3	KESC Purchases from NTDC GWh										
	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
	Actual Units Drawn in GWh	447.484	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
	Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	95.62	BQPS-II commissioned during February 2012. While Steam Turbine commissioned in May 2012.								
4	KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC		DHA		Anoud		Al-Abbas		Aggreko	
	Unit Purchased (GWh)	29.439	4.57	0	8.389	0	6.283	0	0	0	0
	Fuel Cost (Rupees Million)	179.279	27.833	0	81.501	0	35.062	0	0	0	0
	Fuel Cost (Rs./KWh)	6.090	6.090	#DIV/0!	9.715	#DIV/0!	5.580	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Units Sent-out, Purchased and Sold out by KESC										
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated KWH		Fuel Cost (Mill Rs.)		Fuel Cost Rs. / KWH
	KESC own units fed in its Distribution System		51.10		TAPAL		53.090		748.872		14.106
	KESC Purchased Units fed in its Distribution System		48.90		GUL AHMED		43.319		588.194		13.578
	Total Units sold by KESC		100.00		KESC Own		85.008		1232.895		14.503

Electricity Sent-out and Purchased by KESC during the Month of October 2014										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
1	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	199.7	2092.92	
	NET Plant Capacity (MW)									
	Units sent out (GWh) - on oil	101.071	0	0	0	0	0	0	101.071	
	Units sent out (GWh) - on Gas	189.69	349.638	-0.068	0	48.567	0	84.128	696.232	
	Total Units sent-out (GWh) (Oil+Gas)	290.761	349.638	-0.068	0	48.567	0	84.128	797.303	
	Units could be sent out at 100% Plant's NET Capacity	824	374	60	13	63	13	149	1557	
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	533	24	60	13	14	13	64	763	
	Plant Utilization Factor (%)	35.28	93.60	-0.11	0.00	77.15	0.00	56.62	51.20	
	Plant Under Utilization Factor (%)	64.72	6.40	100.11	100.00	22.85	100.00	43.38	48.80	
	Fuel Cost (Rupees Million)	986.322	1468.906	0.000	0.000	225.265	0.000	374.184	3167.279	
	Fuel Cost (Rs./KWH)	5.200	4.201	0.000	#DIV/0!	4.638	#DIV/0!	4.448		
KESC Purchases from IPPs supplying power on Take or Pay basis										
2	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
	Plant Capacity (GW) - Net	0.1195	0.1253	KESC Own	56.04	KESC Own	48.80			
	Units Purchased (GWh)	59.48	47.503	NTDC	31.80	IPPs	41.26			
	Units can be purchased at 100% Plant Capacity (Net)	89	93	IPPs	7.52	N-DC	6.44			
	Units which could be purchased but not purchased (GWh)	29	46	Small	4.64	Fuel Share (%) in Generation of KESC from its own Power Plant				
	Plant Utilization Factor (%)	66.90	50.96	Total	100.00	Gas	87.32			12.68
	Plant Under Utilization Factor (%)	33.10	49.04			RFO				
KESC Purchases from NTDC GWh										
3	483.6	Korangi Gas-II Power Plant commissioned during August 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	452.468	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.							
	Actual Units Drawn in GWh	93.56	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.							
	Unit drawn from NTDC System (% age) w.r.t to Maximum Allowable limit									
KESC Purchases from other generation companies on Take and Pay basis										
4	KANUPP	PASMIC	DHA	Anoud	Al-Abbass	ILL	Aggreko	Engro	Total	
	Units Purchased (GWh)	44.611	7.167	0	8.28	0	5.94	0	65.998	
	Fuel Cost (Rupees Million)	293.563	47.165	0	87.65	0	33.175	0		
	Fuel Cost (Rs./KWH)	6.581	6.581	#DIV/0!	10.586	#DIV/0!	5.585	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC										
5		In GWh	In %age	Cost of Oil based Power Purchases /sent out			Power Purchases / Generated (Mill KWH)		Fuel Cost RS. / KWH	
	KESC						Fuel Cost (Mill Rs.)	Fuel Cost		
	KESC own units fed in its Distribution System	797.303	56.04			TAPAL	59.480	846.617	14.234	
	KESC purchased Units fed in its Distribution System	635	43.96			GUL A-MED	47.503	742.774	15.636	
	Total Units sold by KESC	1432	100.00			KESC Own	101.071	1759.046	17.404	

Electricity Sent-out and Purchased by KESC during the Month of September 2014										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	199.7	2092.92	
Units sent out (GWh) - on oil	212.768	0	0	0	0	0	0	0	212.768	
Units sent out (GWh) - on Gas	160.858	328.592	-0.074	0	48.117	0	18.264	79.515	635.272	
Total Units sent-out (GWh) (Oil+Gas)	373.626	328.592	-0.074	0	48.117	0	18.264	79.515	848.040	
Units could be sent out at 100% Plant's NET Capacity	797	362	58	12	67	12	67	144	1507	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	424	33	58	12	13	12	43	64	659	
Plant Utilization Factor (%)	46.85	90.89	-0.13	0.00	78.98	0.00	29.98	55.30	56.28	
Plant Under Utilization Factor (%)	53.15	9.11	100.13	100.00	21.02	100.00	70.02	44.70	43.72	
Fuel Cost (Rupees Million)	836.405	1380.487	0.000	0.000	223.174	0.000	84.711	353.666	2878.443	
Fuel Cost (Rs./kWh)	5.200	4.201	0.000	#DIV/0!	4.638	#DIV/0!	4.638	4.448		
KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)		Share in Generation (%)		Un-Utilized Capacity (%)		
Plant Capacity (GWh) - Net	0.1195	0.1253	0.2448	KESC Own		KESC Own		KESC Own		43.72
Units Purchased (GWh)	74.151	68.66	142.851	NTDC		30.51		IPPs		18.95
Units can be purchased at 100% Plant Capacity (Net)	86	90	176	IPPs		9.63		NTDC		3.29
Units which could be purchased but not purchased (GWh)	12	22	33	Small		2.70		Fuel Share (%) in Generation of KESC from its own Power Plant		
Plant Utilization Factor (%)	86.23	76.11	81.05	Total		100.00		Gas		74.91
Plant Under Utilization Factor (%)	13.77	23.89	18.95					RFO		25.09
KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
Actual Units Drawn in GWh	452.612	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015								
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	96.71	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	IL	Aggreko	Engro	Total	
Units Purchased (GWh)	21.958	3.791	0	8.038	0	6.289	0	0	40.076	
Fuel Cost (Rupees Million)	185.216	31.98	0	88.713	0	35.226	0	0		
Fuel Cost (Rs./kWh)	8.435	8.436	#DIV/0!	11.037	#DIV/0!	5.601	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC										
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Milli KWH)		Fuel Cost (Milli Rs.)	
KESC										
KESC own units fed in its Distribution System	848.04		57.16		TAPAL		74.19		1046.904	
KESC Purchased Units fed in its Distribution System	636		42.84		GUL AHMED		68.660		1057.092	
Total Units sold by KESC	1484		100.00		KESC Own		212.768		3841.129	

Electricity Sent-out and Purchased by KESC during the Month of August 2014										
	BQPS-I	BQPS-II	KIPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	142.4	17.1	84.61	85.5	84.61	199.7	2223.62	
Units sent out (GWh) - Oil	163.234	0	0	0	0	0	0	0	163.234	
Units sent out (GWh) - Gas	216.924	322.322	-0.069	0	51.041	0	26.705	83.191	709.114	
Total Units sent-out (GWh) (Oil+Gas)	380.158	322.322	-0.069	0	51.041	0	26.705	83.191	863.348	
Units could be sent out at 100% Plant's NET Capacity	824	374	106	13	83	64	63	149	1054	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	444	51	106	13	12	64	36	65	791	
Plant Utilization Factor (%)	46.13	86.28	-0.07	0.00	81.08	0.00	42.42	55.99	52.19	
Plant Under Utilization Factor (%)	53.87	13.72	100.07	100.00	18.92	100.00	57.58	44.01	47.81	
Fuel Cost (Rupees Million)	1127.930	1354.145	0.000	0.000	236.738	0.000	123.860	370.013	3212.686	
Fuel Cost (Rs./KWh)	5.200	4.201	0.000	#DIV/0!	4.638	#DIV/0!	4.638	4.448		
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own			KESC Own			47.81
Units Purchased (GWh)	74.79	66.099	140.889	NTDC			IPPs			22.64
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs			NTDC			4.64
Units which could be purchased but not purchased (GWh)	14	27	41	Small			Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	84.12	70.90	77.36	Total			Gas			81.09
Plant Under Utilization Factor (%)	15.88	29.10	22.64				RFO			18.91
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
Actual Units Drawn in GWh	461.184	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t to Maximum Allowable limit	95.36	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
4 KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total	
Units Purchased (GWh)	30.991	0.182	0	7.311	0	7.228	0	0	45.712	
Fuel Cost (Rupees Million)	231.2095	1.3546	0	80.2423	0	40.3609	0	0		
Fuel Cost (Rs./KWh)	7.461	7.443	#DIV/0!	10.976	#DIV/0!	5.584	#DIV/0!	#DIV/0!		
5 Units Sent-out, Purchased and Sold out by KESC										
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost (Mill Rs.)	
KESC own units fed in its Distribution System	863.348						TAPAL		1052.228	
KESC Purchased Units fed in its Distribution System	648						GUL AHMED		983.493	
Total Units sold by KESC	1511						KESC Own		2773.49	

Electricity Sent-out and Purchased by KESC during the Month of July 2014										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	142.4	17.1	84.61	85.5	84.61	199.7	2223.62	
Units sent out (GWh) - on oil	259.422	0	0	0	0	0	0	0	259.422	
Units sent out (GWh) - on Gas	202.865	334.612	-0.063	0	57.28	0	34.702	78.473	707.869	
Total Units sent-out (GWh) (Oil+Gas)	462.287	334.612	-0.063	0	57.28	0	34.702	78.473	967.291	
Units could be sent out at 100% Plant's NET Capacity	824	374	106	13	63	64	63	149	1654	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	362	39	106	13	6	64	28	70	687	
Plant Utilization Factor (%)	56.10	89.57	-0.06	0.00	90.99	0.00	55.13	52.82	58.47	
Plant Under Utilization Factor (%)	43.90	10.43	100.06	100.00	9.01	100.00	44.87	47.18	41.53	
Fuel Cost (Rupees Million)	1054.824	1405.778	0.000	0.000	265.674	0.000	160.954	349.029	3236.259	
Fuel Cost (Rs./KWH)	5.200	4.201	0.000	#DIV/0!	4.638	#DIV/0!	4.638	4.448		
KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.1195	0.1263	0.2448	KESC Own	60.77	KESC Own	41.53	IPPs	18.35	
Units Purchased (GWh)	78.478	70.233	148.711	NTDC	28.84	IPPs	5.07	NTDC	5.07	
Units can be purchased at 100% Plant Capacity (Net)	89	94	182	IPPs	9.34	Small	Fuel Share (%) in Generation of KESC from its own Power Plant			
Units which could be purchased but not purchased (GWh)	10	23	33	Small	1.05	Total		Gas	73.18	
Plant Utilization Factor (%)	88.27	75.34	81.65		100.00			RFO	26.82	
Plant Under Utilization Factor (%)	11.73	24.66	18.35							
KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Sile Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
Actual Units Drawn in GWh	459.105	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (%) against 1 to Maximum Allowable limit	94.93	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	III	Agreko	Engro	Total	
Units Purchased (GWh)	1.458	0.286	0	8.67	0	6.324	0	0	16.738	
Fuel Cost (Rupees Million)	13.281	2.608	0	96.202	0	36.166	0	0		
Fuel Cost (Rs./KWH)	9.109	9.119	#DIV/0!	11.096	#DIV/0!	5.719	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC (GWh)										
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost RS. / KWH	
KESC own units fed in its Distribution System	967.291		60.77				75.478	1134.494	14.456	
KESC Purchased Units fed in its Distribution System	622.55		39.23				77.233	1054.943	15.021	
Total Units sold by KESC	1592		100.00				252.711	4449.237	17.151	

Electricity Sent-out and Purchased by KESC during the Month of June 2014										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	199.7	2092.92	
Units sent out (GWh) - on oil	271.708	0	0	0	0	0	0	0	271.708	
Units sent out (GWh) - on Gas	191.227	316.904	0.073	0	52.799	0	23.852	83.43	668.139	
Total Units sent-out (GWh) (Oil+Gas)	462.935	316.904	0.073	0	52.799	0	23.852	83.43	939.847	
Units could be sent out at 100% Plant's NET Capacity	797	362	58	12	62	12	62	144	1507	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	335	45	58	12	8	12	37	60	567	
Plant Utilization Factor (%)	58.05	87.66	-0.13	0.00	86.67	0.00	39.15	58.02	62.37	
Plant Under Utilization Factor (%)	41.95	12.34	100.13	100.00	13.33	100.00	60.85	41.98	37.63	
Fuel Cost (Rupees Million)	1049.303	1405.011	0.000	0.000	258.435	0.000	116.747	391.599	3221.095	
Fuel Cost (Rs./KWH)	5.487	4.434	0.000	#DIV/0!	4.895	#DIV/0!	4.895	4.694		
KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)		Share in Generation (%)		Un-Utilized Capacity (%)		
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	60.42	KESC Own	60.42	KESC Own	37.63	
Units Purchased (GWh)	75.225	75.496	150.631	NTDC	28.86	NTDC	28.86	IPPs	14.54	
Units can be purchased at 100% Plant Capacity (Net)	86	90	176	IPPs	9.68	IPPs	9.68	NTDC	4.38	
Units which could be purchased but not purchased (GWh)	11	15	26	Small	1.03	Small	1.03	Fuel Share (%) in Generation of KESC from its own Power Plant		
Plant Utilization Factor (%)	87.43	83.58	85.46	Total	100.00	Total	100.00	Gas	71.05	
Plant Under Utilization Factor (%)	12.57	16.42	14.54					RFO	28.95	
KESC Purchases from NTDC GWh										
Maximum Allowable Unit of Units (in GWh) that can be drawn from NTDC System	468	Korangi Gas-I Power Plant commissioned during August 2009 to December 2009 but license modified on 22.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 22.03.15.								
Actual Units Drawn - GWh	448.914	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	95.92	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	IIL	Aggreko	Engro	Total	
Units Purchased (GWh)	0	1.563	0	8.287	0	6.186	0	0	16.036	
Fuel Cost (Rupees Million)	0	13.96	0	91.808	0	35.43	0	0		
Fuel Cost (Rs./KWH)	#DIV/0!	8.868	#DIV/0!	11.079	#DIV/0!	5.727	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC										
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost (Mill Rs.) RS. / KWH	
KESC										
KESC own units fed into Distribution System	939.847		60.42				75.225		14.234	
KESC Purchased Units fed into Distribution System	616		39.58				75.406		14.879	
Total Units sold by KESC	1555		100.00				271.708		17.086	

Electricity Sent-out and Purchased by KESC during the Month of May 2014										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total	KESC
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	199.7	2092.92	
Units sent out (GWh) or Oil	202.094	0	0	0	0	0	0	0	202.994	
Units sent out (GWh) or Gas	200.84	345.512	-0.063	0	47.151	0	21.181	99.321	713.942	
Total Units sent out (GWh) Oil+Gas	402.934	345.512	-0.063	0	47.151	0	21.181	99.321	916.036	
Units could be sent out at 100% Plant's NET Capacity	824	374	60	13	63	13	63	149	1357	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	421	18	60	13	16	13	42	49	541	
Plant Utilization Factor (%)	48.90	92.49	-0.11	0.00	74.90	0.00	33.65	66.85	58.83	
Plant Under Utilization Factor (%)	51.10	7.51	100.11	100.00	25.10	100.00	66.35	33.15	41.17	
Fuel Cost (Rupees Million)	1102.051	1531.846	0.000	0.000	230.791	0.000	103.676	466.189	3434.553	
Fuel Cost (Rs./KWh)	5.487	4.434	0.000	#DIV/0!	4.895	#DIV/0!	4.895	4.694		
KESC Purchases from IPPs supplying power on Take or Pay basis										
TAPAL		Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) Net	0.1195	0.1253	0.2448	KESC Own	59.63	KESC Own	41.17			
Units Purchased (GWh)	70.582	75.466	149.048	NTDC	39.60	NTDC	18.16			
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	PPS	9.70	PPS	5.79			
Units which could be purchased but not purchased (GWh)	18	15	33	Small	1.00	Fuel Share (%) in Generation of KESC from its own Power Plant				
Plant Utilization Factor (%)	79.39	84.17	81.84	Total	100.00	Gas	77.94			
Plant Under Utilization Factor (%)	20.61	15.83	18.16			RFO	22.06			
KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Samsary Site Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15								
Actual Units Drawn in GWh	455.623	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Units drawn from NTDC System % age w.r.t to Maximum	94.21	BQPS-II commissioned during February 2012 while Steam Turbine commissioned in May 2012								
KESC Purchases from other generation companies on Take and Pay basis										
KANUPP		PASMIC	DHA	Anoud	Al-Abbas	IHL	Aggreko	Engro	Total	
Units Purchased (GWh)	0	1.077	0	7.951	0	0	6.338	0	15.406	
Fuel Cost (Rupees Million)	0	8.273	0	86.417	0	0	36.193	0	0	
Fuel Cost (Rs./KWh)	#DIV/0!	7.682	#DIV/0!	10.814	#DIV/0!		5.710	#DIV/0!	#DIV/0!	
Units Sent-out, Purchased and Sold out by KESC										
in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Milli KWh)		Fuel Cost (Milli Rs.)		Fuel Cost RS. / KWH
KESC own units fed into Distribution System	936.036						70.582	975.213		13.817
KESC purchased Units fed into Distribution System	630						78.466	1366.999		13.589
Total Units sold by KESC	1536	100.00					300.944	3242.946		15.859

Electricity Sent-out and Purchased by KESC during the Month of April 2014										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	199.7	2092.92	
Units sent out (GWh) - on oil	165.582	0	0	0	0	0	0	0	165.582	
Units sent out (GWh) - on Gas	170.195	267.246	-0.051	0	6.484	0	43.997	86.861	574.732	
Total Units sent-out (GWh) (Oil+Gas)	335.777	267.246	-0.051	0	6.484	0	43.997	86.861	740.314	
Units could be sent out at 100% Plant's NE Capacity	797	352	58	12	61	12	61	144	1507	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	462	54	58	12	54	12	17	57	767	
Plant Utilization Factor (%)	42.11	73.92	-0.09	0.00	10.64	0.00	72.22	60.41	49.13	
Plant Under Utilization Factor (%)	57.89	26.08	100.09	100.00	89.36	100.00	27.78	39.59	50.87	
Fuel Cost (Rupees Million)	933.89	1184.85	-0.36	0.00	31.74	0.00	215.35	407.70	2773.172	
Fuel Cost (Rs./KWH)	5.487	4.434	7.059	#DIV/0!	4.894	#DIV/0!	4.895	4.694		
KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.135	0.1253	0.2648	KESC Own	55.45		KESC Own		50.87	
Units Purchased (GWh)	59.83	72.52	132.35	NTDC	33.53		IPPs		24.91	
Units can be purchased at 100% Plant Capacity (Net)	86	90	176	IPPs	9.91		NTDC		4.34	
Units which could be purchased but not purchased (GWh)	26	18	44	Small	1.10		Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	69.54	80.38	75.09	Total	100.00		Gas	77.63	22.37	
Plant Under Utilization Factor (%)	30.46	19.62	24.91							
KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
Actual Units Drawn in GWh	447.686	220 MW KCCPS Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Units drawn from NTDC System (% age) 100% to Maximum Allowable limit	95.66	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total	
Units Purchased (GWh)	0	1.357	0	7.175	0	6.369	0	0	14.641	
Fuel Cost (Rupees Million)	0	8.53	0	78.594	0	36.296	0	0		
Fuel Cost (Rs./KWH)	#DIV/0!	7.776	#DIV/0!	10.954	#DIV/0!	5.699	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC										
	in GWh			in %age			Fuel Cost RS. / KWH			
KESC own Units fed in its Distribution System	740.314	55.45		Cost of Oil based Power Purchases /sent out			Fuel Cost (Mill Rs.)	Fuel Cost RS. / KWH		
KESC Purchased Units fed in its Distribution System	595	44.55		TAPAL			59.830	835.86	14.026	
Total Units sold by KESC	1335	100.00		GUL AHMED			72.520	1005.604	13.908	
				KESC Own			165.582	2607.768	15.749	

Electricity Sent-out and Purchased by KESC during the Month of March 2014										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	199.7	2092.92	
Units sent out (GWh) - on oil	142.523	0	0	0	0	0	0	0	142.523	
Units sent out (GWh) - on Gas	118.98	240.3	0.049	0	35.574	0	4.719	28.067	427.591	
Total Units sent-out (GWh) (Oil+Gas)	261.503	240.3	0.049	0	35.574	0	4.719	28.067	570.114	
Units could be sent out at 100% Plant's NET Capacity	824	374	60	13	63	13	63	149	1557	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	563	133	60	13	27	13	58	121	987	
Plant Utilization Factor (%)	31.73	64.33	-0.08	0.00	56.51	0.00	7.50	18.89	36.61	
Plant Under Utilization Factor (%)	68.27	35.67	100.08	100.00	43.49	100.00	92.50	81.11	63.39	
Fuel Cost (Rupees Million)	652.867	1065.383	0.000	0.000	174.123	0.000	23.099	131.740	2047.212	
Fuel Cost (Rs./KWH)	5.487	4.434	0.000	#DIV/0!	4.895	#DIV/0!	4.895	4.694		
KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	31.295	0.1253	0.2448	KESC Own		45.73	KESC Own		63.39	
Units Purchased (GWh)	60.084	56.187	116.271	NTDC		42.06	IPPs		36.16	
Units can be purchased at 100% Plant Capacity (Net)	89	92	182	IPPs		5.94	NTDC		3.09	
Units which could be purchased but not purchased (GWh)	29	37	66	Small		1.17	Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	67.58	60.27	63.84	Total		100.00	Gas	75.00	25.00	
Plant Under Utilization Factor (%)	32.42	39.73	36.16							
KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Sre Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15								
Actual Units Drawn in GWh	468.644	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (in % age) w.r.t. to Maximum Allowable limit	96.91	BQPS-II commissioned during February 2012 while Steam Turbine commissioned in May 2012								
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	III	Aggreko	Engro	Total	
Units Purchased (GWh)	0	0.444	0	7.928	0	0	0	0	14.825	
Fuel Cost (Rupees Million)	0	3.742	0	51.246	0	36.801	0	0		
Fuel Cost (Rs./KWH)	#DIV/0!	8.426	#DIV/0!	11.509	#DIV/0!	5.709	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC										
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost RS. / KWH	
KESC										
KESC own units fed in its Distribution System	570.114		48.73						14.905	
KESC purchased units fed in its Distribution System	890		51.27						15.696	
Total Units sold by KESC	1170		100.00						17.630	

Electricity Sent-out and Purchased by KESC during the Month of February 2014											
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC		
1	Units Sent-out from KESC Own Generation										
	NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	195.7	2092.92	
	Units sent out (GWh) - on oil	94.821	0	0	0	0	0	0	0	94.821	
	Units sent out (GWh) - on Gas	30.972	276.742	-0.016	0	4.972	0	-0.28	-0.143	312.246	
	Total Units sent out (GWh) (Oil+Gas)	125.793	276.742	-0.016	0	4.972	0	-0.28	-0.143	407.067	
	Units could be sent out at 100% Plant's NET Capacity	744	337	54	11	57	11	57	134	1406	
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	619	61	54	11	52	11	57	134	999	
	Plant Utilization Factor (%)	16.90	82.02	-0.03	0.00	8.74	0.00	-0.49	-0.11	28.94	
	Plant Under Utilization Factor (%)	83.10	17.98	100.03	100.00	91.26	100.00	100.49	100.11	71.06	
	Fuel Cost (Rupees Million)	169.943	1226.951	-0.111	0.000	24.337	0.000	-1.371	-0.671	1419.078	
	Fuel Cost (Rs /KWh)	5.487	4.434	6.938	#DIV/0!	4.895	#DIV/0!	4.896	4.692	#DIV/0!	
2	KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)				Un-Utilized Capacity (%)			
	Plant Capacity (GWh) - Net	0.1195	0.1253	0.2448	KESC Own				KESC Own		
	Units Purchased (GWh)	52.459	37.447	89.906	NTDC				NTDC		
	Units can be purchased at 100% Plant Capacity (Net)	80	84	165	IPPs				IPPs		
	Units which could be purchased but not purchased (GWh)	28	47	75	Small				Small		
	Plant Utilization Factor (%)	65.33	44.47	54.65	Total				Total		
	Plant Under Utilization Factor (%)	34.67	55.53	45.35							
3	KESC Purchases from NTDC GWh										
	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	436.8	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-I Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
	Actual Units Drawn in GWh	419.946	220 MW KCPP Power Plant: commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
	Units drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	96.14	BQPS-II: commissioned during February 2012 While Steam Turbine commissioned in May 2012								
4	KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total		
	Units Purchased (GWh)	4.813	0.035	0	7.106	0	6.149	0	0	18.103	
	Fuel Cost (Rupees Million)	36.416	0.267	0	83.97	0	35.099	0	0		
	Fuel Cost (Rs /KWh)	7.566	7.629	#DIV/0!	11.817	#DIV/0!	5.708	#DIV/0!	#DIV/0!		
5	Units Sent-out, Purchased and Sold out by KESC										
		In GWh	In %age	Cost of Oil based Power Purchases /sent out			Power Purchases / Generated (Milli KWH)			Fuel Cost (Milli Rs.)	
	KESC									Fuel Cost RS. / KWH	
	KESC own units fed in its Distribution System	477.067	43.54				TAPAL			792.092	
	KESC Purchased Units fed in its Distribution System	528	56.46				GUL AHMED			577.559	
	Total units sold by KESC	935	100.00				KESC Own			1666.151	

Electricity Sent-out and Purchased by KESC during the Month of December 2013												
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	ISIT E	Gas	SIT E Gas - II	220 MW KCPP	Total KESC		
Units Sent-out from KESC Own Generation												
1	NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	199.7	2092.92		
	Units sent out (GWh) - on oil	45.896	0	0	0	0	0	0	0	45.896		
	Units sent out (GWh) - on Gas	126.815	266.224	0	0	14.503	0	1.177	7.475	416.194		
	Total Units sent out (GWh) (Oil+Gas)	172.711	266.224	0	0	14.503	0	1.177	7.475	462.090		
	Units could be sent out at 100% Plant's NET Capacity	824	374	60	13	63	13	63	149	1557		
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	651	107	60	13	48	13	62	141	1095		
	Plant Utilization Factor (%)	20.96	71.27	100.00	0.00	23.04	0.00	1.87	5.03	29.68		
	Plant Under Utilization-Factor (%)	79.04	28.73	0.00	100.00	76.96	100.00	98.13	94.97	70.32		
	Fuel Cost (Rupees/Million)	695.858	1180.319	0.000	0.000	70.986	0.000	5.761	35.084	1988.008		
	Fuel Cost (Rs./KWH)	5.487	4.434	#DIV/0!	#DIV/0!	4.895	#DIV/0!	4.895	4.694			
KESC Purchases from IPPs supplying power on Take or Pay basis												
2		TAPAL	Gul Ahmed	Total IPPs								
	Plant Capacity (GWh) - Net	0.1195	0.1253	0.2448								
	Units Purchased (GWh)	60.863	31.689	92.552								
	Units can be purchased at 100% Plant Capacity (Net)	89	93	182								
	Units which could be purchased but not purchased (GWh)	28	62	90								
	Plant Utilization Factor (%)	68.46	33.99	50.82								
	Plant Under Utilization Factor (%)	31.54	66.01	49.18								
KESC Purchases from NTDC GWh												
3	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6										
	Actual Units Drawn in GWh	460.345										
	Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	95.19										
KESC Purchases from other generation companies on Take and Pay basis												
4		KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total		
	Units Purchased (GWh)	25.975	0.327	0	6.953	0	0	5.884	0	43.119		
	Fuel Cost (Rupees/Million)	193.809	2.116	0	83.649	0	0	33.618	0			
	Fuel Cost (Rs./KWH)	6.466	6.471	#DIV/0!	12.065	#DIV/0!	#DIV/0!	5.713	#DIV/0!			
Units Sent-out, Purchased and Sold out by KESC												
5												
	KESC own units fed into Distribution System	4.109	43.67							15.413		
	KESC Purchased Units fed into Distribution System	366	56.33							16.320		
	Total Units sent by KESC	1058	100.00							18.585		

Electricity Sent-out and Purchased by KESC during the Month of November 2013									
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC
Units Sent-out from KESC Own Generation									
NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	199.7	2092.92
Units sent out (GWh) - on oil	57.64	0	0	0	0	0	0	0	57.64
Units sent out (GWh) - on Gas	226.739	316.134	0	0	13.235	0	1.264	60.372	517.742
Total Units sent-out (GWh) (Oil+Gas)	284.379	316.134	0	0	13.235	0	1.264	60.372	575.384
Units could be sent out at 100% Plant's NET Capacity	797	361	58	12	61	12	61	144	1507
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	613	45	58	12	48	12	60	83	932
Plant Utilization Factor (%)	23.12	87.45	0.00	0.00	21.73	0.00	2.07	41.99	38.18
Plant Under Utilization Factor (%)	76.88	12.55	100.00	100.00	78.27	100.00	97.93	58.01	61.82
Fuel Cost (Rupees Millions)	695.440	1401.597	0.000	0.000	64.782	0.000	6.184	283.372	2451.375
Fuel Cost (Rs./KWH)	5.487	4.434	#DIV/0!	#DIV/0!	4.895	#DIV/0!	4.892	4.694	
KESC Purchases from IPPs supplying power on Take or Pay basis									
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)		
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own 49.57			KESC Own 61.82		
Units Purchased (GWh)	55.536	31.226	86.762	NTDC 37.83			IPPs 50.78		
Units can be purchased at 100% Plant Capacity (Net)	86	90	176	IPPs 7.48			NTDC 6.22		
Units which could be purchased but not purchased (GWh)	31	59	89	Sheet 5.14			Fuel Share % in Generation of KESC from its own Power Plant		
Plant Utilization Factor (%)	64.55	34.61	49.22	Total 100.00			Gas 89.98		
Plant Under Utilization Factor (%)	35.45	65.39	50.78				RFO 10.02		
KESC Purchases from NTDC GWh									
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468	Korangi Gas-II Power Plant commissioned during August 2009 but license modified on 12.03.15, Simlariy Site Gas-II Power Plant commissioned during July 2009 but license modified on 12.03.15							
Actual Units Drawn in GWh	438.887	220 MW KCPP Power Plant commissioned during November 2008 to March 2009, First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.							
Unit drawn from NTDC System (%) w.r.t. to Maximum Allowable limit	93.78	BQPS-II commissioned during February 2012 while Steam Turbine commissioned in May 2012.							
KESC Purchases from other generation companies on Take and Pay basis									
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	IIL	Aggreko	Engro	Total
Unit Purchased (GWh)	46.277	0.002	0	6.67	0	0	6.666	0	59.615
Fuel Cost (Rupees Millions)	299.171	0.011	0	80.736	0	0	38.077	0	
Fuel Cost (Rs./KWH)	6.465	5.500	#DIV/0!	12.104	#DIV/0!	#DIV/0!	5.712	#DIV/0!	
Units Sent-out, Purchased and Sold out by KESC									
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost RS. / KWH
KESC own Units fed in its Distribution System	575.384		49.57		TAPAL		55.536		356.324
KESC Purchased Units fed in its Distribution System	585		50.43		GUL AHMED		31.226		508.719
Total Units sold by KESC	1161		100.00		KESC Own		37.640		1277.685

Electricity Sent-out and Purchased by KESC during the Month of October 2013									
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC
Units Sent-out from KESC Own Generation									
NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.61	17.1	84.61	199.7	2092.92
Units sent out (GWh) - on oil	176.784	0	0	0	0	0	0	0	176.784
Units sent out (GWh) - on Gas	137.867	330.342	0	0	29.365	0	9.677	67.672	574.923
Total Units sent out (GWh) (Oil+Gas)	314.651	330.342	0	0	29.365	0	9.677	67.672	751.707
Units could be sent out at 100% Plant's NET Capacity	824	374	80	13	63	13	63	149	1557
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	509	43	60	13	34	13	53	81	805
Plant Utilization Factor (%)	38.18	88.43	0.00	0.00	46.65	0.00	15.37	45.55	48.28
Plant Under Utilization Factor (%)	61.82	11.57	100.00	100.00	53.35	100.00	84.63	54.45	51.72
Fuel Cost (Rupees Million)	756.502	1464.589	0.000	0.000	143.732	0.000	47.363	317.633	2729.819
Fuel Cost (Rs./KWH)	5.487	4.434	#DIV/0!	#DIV/0!	4.895	#DIV/0!	4.894	4.694	
KESC Purchases from IPPs supplying power on Take or Pay basis									
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)		Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	53.14	KESC Own	51.72		
Units Purchased (GWh)	78.187	52.031	130.218	NTDC	32.91	IPPs	28.50		
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	9.23	NTDC	3.74		
Units which could be purchased but not purchased (GWh)	11	41	52	Shail	4.74	Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	87.94	55.81	71.50	Total	100.00	Gas	75.48	RFO	
Plant Under Utilization Factor (%)	12.06	44.19	28.50					23.52	
KESC Purchases from NTDC GWh									
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15							
Actual Units Drawn in GWh	465.532	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015							
Units drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	96.26	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012							
KESC Purchases from other generation companies on Take and Pay basis									
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total
Units Purchased (GWh)	53.442	0.003	0	6.765	0	6.785	0	0	66.995
Fuel Cost (Rupees Million)	449.532	0.025	0	81.323	0	38.742	0	0	
Fuel Cost (Rs./KWH)	8.412	8.333	#DIV/0!	12.021	#DIV/0!	5.710	#DIV/0!	#DIV/0!	
Units Sent-out, Purchased and Sold out by KESC									
KESC	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Milli KWH)		Fuel Cost RS. / KWH
	751.707		53.14				1193.525		15.265
	663		46.86				855.695		16.446
Total Units sold by KESC	1414	100.00					3318.155		18.770

Electricity Sent-out and Purchased by KESC during the Month of September 2013									
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	KESC Total
Units Sent-out from KESC Own Generation									
1									
NET Plant Capacity (MW)	1107.6	502.1	80.1	17.1	84.6	17.1	84.6	195.7	2092.92
Units sent out (GWh) - on oil	217.071	0	0	0	0	0	0	0	217.071
Units sent out (GWh) - on Gas	128.427	327.122	-0.116	0	26.55	0	3.852	75.898	563.733
Total Units sent-out (GWh) (Oil+Gas)	345.498	327.122	-0.116	0	26.55	0	3.852	75.898	778.804
Units could be sent out at 100% Plant's NET Capacity	797	362	58	12	6	12	6	146	1507
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	452	34	58	12	34	12	57	68	728
Plant Utilization Factor (%)	43.32	90.49	-0.20	0.00	43.58	0.00	6.32	52.79	51.68
Plant Under Utilization Factor (%)	56.68	9.51	100.20	100.00	56.42	100.00	93.68	47.21	48.32
Fuel Cost (Rupees Million)	704.705	1450.313	-0.820	0.000	129.953	0.000	18.853	356.248	2659.252
Fuel Cost (Rs./KWh)	5.487	4.434	7.069	#DIV/0!	4.895	#DIV/0!	4.894	4.694	
KESC Purchases from IPPs supplying power on Take or Pay basis									
2									
TAPAL		Gul Ahmed	Total IPPs						
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448						
Units Purchased (GWh)	74.573	49.505	124.078						
Units can be purchased at 100% Plant Capacity (Net)	86	90	176						
Units which could be purchased but not purchased (GWh)	11	41	52						
Plant Utilization Factor (%)	86.67	54.87	70.40						
Plant Under Utilization Factor (%)	13.33	45.13	29.60						
KESC Purchases from NTDC GWh									
3									
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	458								
Actual Units Drawn in GWh	458.289								
Unit Drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	97.93								
KESC Purchases from other generation companies on Take and Pay basis									
4									
KANUPP	PASMIC	DHA	Anoud	Al-Abbas	IIL	Aggreko	Engro	Total	
Units Purchased (GWh)	24.327	0.029	0	0	5.842	0	0	35.958	
Fuel Cost (Rupees Million)	219.186	0.261	0	68.221	39.413	0	0		
Fuel Cost (Rs./KWh)	9.010	9.000	#DIV/0!	11.844	5.719	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC									
5									
in GWh	in %age								
Cost of Oil based Power Purchases /sent out	Power Purchases / Generated (Mill KWH)	Fuel Cost (Mill Rs.)	Fuel Cost RS / KWH						
778.804	55.74	74.57	1103.593	14.799					
618	44.26	49.51	797.134	16.102					
1397	100.00	217.07	4016.776	18.504					

Electricity Sent-out and Purchased by KESC during the Month of August 2013										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E I	Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC
Units Sent-out from KESC Own Generation										
1	NET Plant Capacity (MW)	1107.6	502.1	142.4	17.1	84.61	85.5	84.61	199.7	2223.62
	Units sent out (GWh) - on oil	131.593	0	0	0	0	0	0	0	131.593
	Units sent out (GWh) - on Gas	163.2	326.536	0.13	0	50.116	0	15.553	113.525	668.8
	Total Units sent-out (GWh) (Oil+Gas)	294.793	326.536	0.13	0	50.116	0	15.553	113.525	800.393
	Units could be sent out at 100% Plant's NET Capacity	824	374	106	13	63	64	63	149	1354
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	529	47	106	13	13	64	47	35	854
	Plant Utilization Factor (%)	35.77	87.41	-0.12	0.00	79.61	0.00	24.71	76.41	48.38
	Plant Under Utilization Factor (%)	64.23	12.59	100.12	100.00	20.39	100.00	75.29	23.59	51.62
	Fuel Cost (Rupees Million)	895.508	1447.715	-0.918	0.000	245.300	0.000	76.129	532.856	3196.590
	Fuel Cost (Rs./KWh)	5.487	4.434	7.062	#DIV/0!	4.895	#DIV/0!	4.895	4.694	
KESC Purchases from IPPs supplying power on Take or Pay basis										
2	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
	Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own		56.78	KESC Own		51.62
	Units Purchased (GWh)	66.808	27.271	94.079	NTDC		32.08	IPPs		48.35
	Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs		6.67	NTDC		6.50
	Units which could be purchased but not purchased (GWh)	22	66	88	Small		4.27	Fuel Share (%) in Generation of KESC from its own power Plant		
	Plant Utilization Factor (%)	75.14	29.25	51.65	Total		100.00	Gas	81.56	56.44
	Plant Under Utilization Factor (%)	24.86	70.75	48.35						
KESC Purchases from NTDC GWh										
3	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15							
	Actual Units Drawn in GWh	452.183	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.							
	Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	93.50	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012							
KESC Purchases from other generation companies on Take and Pay basis										
4	KANUPP	PASMC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total	
	Units Purchased (GWh)	50.127	0.068	0	6.438	0	5.436	0	63.069	
	Fuel Cost (Rupees Million)	371.626	0.5046	0	73.7442	0	36.7401	0		
	Fuel Cost (Rs./KWh)	7.414	#DIV/0!	#DIV/0!	11.455	#DIV/0!	5.707	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC										
5		in GWh	in %age	Cost of Oil based Power Purchases / sent out			Power Purchases / Generated (Milli KWH)			Fuel Cost RS. / KWH
	KESC own units fed in its Distribution System	802.293	56.78						956.851	14.322
	KESC purchased Units fed in its Distribution System	606	43.22						414.615	15.204
	Total Units sold by KESC	1410	100.00						3301.028	17.486

Electricity Sent-out and Purchased by KESC during the Month of July 2013									
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.T.E Gas-I	S.T.E Gas-II	220 MW KCPP	Total KESC
Units Sent-out from KESC Own Generation									
NET Plant Capacity (MW)	1107.6	502.1	142.4	17.1	84.61	85.5	84.61	199.7	2223.62
Units sent out (GWh) - on oil	219.187	0	0	0	0	0	0	0	219.187
Units sent out (GWh) - on Gas	160.42	330.115	-0.135	0	51.685	0	19.329	112.547	673.961
Total Units sent-out (GWh) (Oil-Gas)	379.607	330.115	-0.135	0	51.685	0	19.329	112.547	893.148
Units could be sent out at 100% Plant's NET Capacity	824	374	106	13	63	64	63	149	1654
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	444	43	106	13	11	64	24	36	761
Plant Utilization Factor (%)	46.07	88.37	-0.13	0.00	82.11	0.00	30.71	75.75	53.99
Plant Under Utilization Factor (%)	53.93	11.63	100.13	100.00	17.89	100.00	69.29	24.25	46.01
Fuel Cost (Rupees Million)	880.254	1463.583	-0.958	0.000	252.980	0.000	94.610	528.266	3218.735
Fuel Cost (Rs./KWH)	5.487	4.434	7.096	#DIV/0!	4.895	#DIV/0!	4.895	4.694	
KESC Purchases from IPPs supplying power on Take or Pay basis									
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)		
Plant Capacity (GWh) - Net	0.1195	0.1253	0.2448	KESC Own			KESC Own		
Units Purchased (GWh)	79.242	37.041	116.283	NTDC			IPP's		
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	Small			NTDC		
Units which could be purchased but not purchased (GWh)	10	56	66	Total			Fuel Share (%) in Generation of KESC from its own Power Plant		
Plant Utilization Factor (%)	89.13	39.73	63.85				Gas		
Plant Under Utilization Factor (%)	10.87	60.27	36.15				REO		
KESC Purchases from NTDC GWh									
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6			Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15					
Actual Units Drawn in GWh	459.994			220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015					
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	95.12			BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012					
KESC Purchases from other generation companies on Take and Pay basis									
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total
Units Purchased (GWh)	31.713	0.064	0	4.68	0	5.692	0	0	42.15
Fuel Cost (Rupees Million)	264.729	0.532	0	53.693	0	27.848	0	0	
Fuel Cost (Rs./KWH)	8.348	8.313	#DIV/0!	11.259	#DIV/0!	4.892	#DIV/0!	#DIV/0!	
Units Sent-out, Purchased and Sold out by KESC (GWh)									
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill Rs.)		Fuel Cost RS. / KWH
KESC own units fed in its Distribution System	893.148	59.09							14.335
KESC Purchased Units fed in its Distribution System	618.21	40.91							15.110
Total Units sold by KESC	1512	100.00							17.287

Electricity Sent-out and Purchased by KESC during the Month of June 2013										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	2274.92	
Units sent out (GWh) - on oil	262.13	0	0	0	0	0	0	0	262.13	
Units sent out (GWh) - on Gas	155.693	315.302	0.126	0	54.033	0	25.99	112.02	662.912	
Total Units sent out (GWh) (Oil+Gas)	417.823	315.302	0.126	0	54.033	0	25.99	112.02	925.042	
Units could be sent out at 100% Plant's NET Capacity	797	362	103	49	61	62	61	144	1638	
Units that could have been sent out at 100% Plant's NET Capacity but not sent out	380	46	103	49	7	62	35	32	713	
Plant Utilization Factor (%)	52.39	87.22	0.12	0.00	88.70	0.00	42.66	77.95	56.48	
Plant Under Utilization Factor (%)	47.61	12.78	100.12	100.00	11.30	100.00	57.34	22.05	43.52	
Fuel Cost (Rupees Million)	854.32	1397.91	0.00	0.00	264.47	0.00	127.21	525.79	3169.705	
Fuel Cost (Rs./KWH)	5.487	4.434	0.000	#DIV/0!	4.895	#DIV/0!	4.895	4.694		
KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GWh) - Net	0.1195	0.1253	0.2448	KESC Own		59.87	KESC Own		43.52	
Units purchased (GWh)	76.255	43.071	121.126	NTDC		25.45	IPP's		31.28	
Units can be purchased at 100% Plant Capacity (Net)	86	68	176	IPP's		7.84	NTDC		2.78	
Units which could be purchased but not purchased (GWh)	8	25	55	Small		2.85	Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	90.72	63.34	68.72	Total		100.00	Gas		71.66	
Plant Under Utilization Factor (%)	9.28	36.66	31.28				RFO		28.34	
KESC Purchases from NTDC GWh										
Maximum Allowable Limit of Units (in GWh) that can be drawn from NTDC System	468			Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15						
Actual Units Drawn in GWh	454.988			220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.						
Unit drawn from NTDC System (%) w.r.t. to Maximum Allowable limit	97.22			BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.						
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbass	IL	Aggreko	Engro	Total	
Units Purchased (GWh)	33.463	0.009	0	4.863	0	5.633	0	0	43.968	
Fuel Cost (Rupees Million)	290.39	0.08	0	54.096	0	27.575	0	0		
Fuel Cost (Rs./KWH)	8.678	8.889	#DIV/0!	11.124	#DIV/0!	4.895	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC (GWh)										
	in GWh			In %age			Fuel Cost (Mill Rs.)			
KESC own units fed in its Distribution System	925.042			Cost of Oil based Power Purchases (Mill KWH)			Power Purchases / Generated (Mill KWH)			
KESC Purchased Units fed in its Distribution System	620.08			TAPAL			1:07.292			
Total Units sent by KESC	1545			SOLE AHEAD			646.794			
				KESC Own			2289.01			
							17.125			

Electricity Sent-out and Purchased by KESC during the Month of May 2013										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
1	NET Plant Capacity (MW)	1107.6	502.1	142.4	68.4	84.61	85.5	199.7	2274.92	
	Units sent out (GWh) - on Gas	375.279	0	0	0	0	0	0	275.279	
	Units sent out (GWh) - on Oil	72.318	327.241	0.15	36.595	0	6.982	82.641	525.627	
	Total Units sent-out (GWh) (Oil+Gas)	347.597	327.241	-0.15	36.595	0	6.982	82.641	800.906	
	Units could be sent out at 100% Plant's NET Capacity	824	374	106	51	63	64	149	1693	
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out %	476	46	106	51	26	64	66	892	
	Plant Utilization Factor (%)	42.18	87.60	0.14	0.00	58.23	0.00	11.09	55.62	47.32
	Plant Under Utilization Factor (%)	57.82	12.40	100.14	100.00	41.87	100.00	88.91	44.38	52.68
	Fuel Cost (Rupees Millions)	396.825	1450.841	0.000	0.000	179.422	0.000	34.175	387.896	2448.859
	Fuel Cost (Rs./kWh)	5.487	4.434	0.000	#DIV/0!	4.895	#DIV/0!	4.895	4.694	
KESC Purchases from IPPs supplying power on Take or Pay basis										
2	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)				Un-Utilized Capacity (%)		
	Plant Capacity (GW) - Net	0.1195	0.1253		KESC Own	55.42	KESC Own	52.68		
	Units Purchased (GWh)	77.636	35.082	112.708	NTDC	32.28	IPPs	38.12		
	Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	7.80	NTDC			3.52
	Units which could be purchased but not purchased (GWh)	11	58	69	Small	4.50	Fuel Share (%) in Generation of KESC from its own Power Plant			
	Plant Utilization Factor (%)	87.31	37.63	61.88	Total	100.00	Gas	65.63		34.37
	Plant Under Utilization Factor (%)	12.69	62.37	38.12			RFO			
KESC Purchases from NTDC GWh										
3	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15							
	Actual Units Drawn in GWh	466.563	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009, First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.							
	Unit drawn from NTDC System (% Age w.r. to Maximum Allowable limit)	96.48	BQPS-II commissioned during February 2012 while Steam Turbine commissioned in May 2012.							
KESC Purchases from other generation companies on Take and Pay basis										
4	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	III	Aggreko	Engro	Total	
	Units Purchased (GWh)	52.445	0	0	4.263	0	6.341	0	65.049	
	Fuel Cost (Rupees Millions)	505.178	0	0	47.321	0	31.026	0		
	Fuel Cost (Rs./kWh)	9.279	#DIV/0!	#DIV/0!	11.100	#DIV/0!	4.893	#DIV/0!	#DIV/0!	
Units Sent-out, Purchased and Sold out by KESC (GWh)										
5		in GWh	in %age	Cost of Oil based Power purchases / Power purchases / (Milli KWh)				Fuel Cost (Milli Rs.)		
	KESC own units for its Distribution System	800.906	55.42	TAPAL				1102.5		
	KESC Purchased Units for its Distribution System	644.32	44.58	GUL AHMED				532.278		
	Total Units sold by KESC	1445	100.00	KESC Own				17.230		

Electricity Sent-out and Purchased by KESC during the Month of April 2013											
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC		
Units Sent-out from KESC Own Generation											
1	NET Plant Capacity (MW)	1107.6	502.1	142.4	68.4	84.61	85.5	199.7	2274.92		
	Units sent out (GWh) - on oil	241.973	0	0	0	0	0	0	241.973		
	Units sent out (GWh) - on Gas	38.523	332.67	-0.17	0	10.994	0	41.528	423.297		
	Total Units sent-out (GWh) (Oil+Gas)	280.496	332.67	-0.17	0	10.994	0	41.528	665.270		
	Units could be sent out at 100% Plant's NET Capacity	797	362	103	49	61	62	144	1638		
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	517	29	103	49	53	62	102	973		
	Plant Utilization Factor (%)	35.17	92.02	-0.17	0.00	18.05	0.00	28.88	40.62		
	Plant Under Utilization Factor (%)	64.83	7.98	100.17	100.00	81.95	100.00	71.12	59.38		
	Fuel Cost (Rupees Million)	211.385	1474.910	0.000	0.000	53.811	0.000	194.921	1933.812		
	Fuel Cost (Rs./KWh)	5.487	4.434	0.000	#DIV/0!	4.895	#DIV/0!	4.899	4.694		
KESC Purchases from IPPs supplying power on Take or Pay basis											
2	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)				
	Plant Capacity (GWh) - Net	0.155	0.1253	KESC Own			KESC Own			59.38	
	Units purchased (GWh)	75.569	20.953	NTDC			IPPs			25.24	
	Units can be purchased at 100% Plant Capacity (Net)	86	90	IPPs			NTDC			3.98	
	Units which could be purchased but not purchased (GWh)	10	69	Small			Fuel Share (%) in Generation of KESC from its own Power Plant				
	Plant Utilization Factor (%)	87.83	23.23	Total			100.00				
	Plant Under Utilization Factor (%)	12.17	76.77				Gas			63.63	
							RFO			36.37	
KESC Purchases from NTDC GWh											
3	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
	Actual Units Drawn in GWh	449.379	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second BQPS-II commissioned during February 2012 while Steam Turbine commissioned in May 2012.								
	Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	96.02									
KESC Purchases from other generation companies on Take and Pay basis											
4	KANUPP	PASMIC	DHA	Aroud	Al-Abbas	III	Aggreko	Engro	Total		
	Units Purchases (GWh)	50.837	0.021	0	4.088	0	5.954	0	60.9		
	Fuel Cost (Rupees Million)	476.102	0.194	0	46.14	0	29.151	0			
	Fuel Cost (Rs./KWh)	9.365	9.238	#DIV/0!	11.287	#DIV/0!	4.896	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC (GWh)											
5	in GWh		in %age		Cost of C. based Power purchases / sent out		Power Purchases / Generated (Milli KWh)		Fuel Cost RS / KWH		
	KESC own units fed in its Distribution System	655.27	52.30							14.624	
	KESC purchased units fed in its Distribution System	606.80	47.70							15.206	
	Total Units sold by KESC	1272	100.00							17.338	

Electricity Sent-out and Purchased by KESC during the Month of March 2013									
	BQPS-I	BQPS-II	KFPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC
Units Sent-out from KESC Own Generation									
1	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Net	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Gross	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
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Units sent out (GWh) - Gross	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Net	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Gross	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Net	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Gross	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Net	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Gross	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Net	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Gross	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Net	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Gross	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Net	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Gross	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Net	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Gross	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Net	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Gross	1,107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	3274.92
Units sent out (GWh) - Net	1,107.6	502.1							

Electricity Sent-out and Purchased by KESC during the Month of February 2013											
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC		
Units Sent-out from KESC Own Generation											
NET Plant Capacity (MW)	1107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	2774.92		
Units sent out (GWh) - on oil	55.626	0	0	0	0	0	0	0	55.626		
Units sent out (GWh) - on Gas	43.493	259.807	-0.143	0	7.533	0	0.338	39.672	350.7		
Total Units sent-out (GWh) (Oil+Gas)	99.119	259.807	-0.143	0	7.533	0	0.338	39.672	406.326		
Units could be sent out at 100% Plant's NET Capacity	744	337	96	46	57	57	57	134	1529		
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	645	78	96	46	49	57	57	95	1322		
Plant Utilization Factor (%)	13.32	77.00	-0.15	0.00	13.25	0.00	0.59	29.561	26.58		
Plant Under Utilization Factor (%)	86.68	23.00	100.15	100.00	86.75	100.00	99.41	70.44	73.42		
Fuel Cost (Rupees Million)	238.654	1628.158	0.000	0.000	36.870	0.000	1.652	186.210	2091.544		
Fuel Cost (Rs./KWH)	5.487	6.267	0.000	#DIV/0!	4.894	#DIV/0!	4.888	4.694			
KESC Purchases from IPPs supplying power on Take or Pay basis											
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)		Un-Utilized Capacity (%)					
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	43.75	KESC Own	73.42				
Units Purchased (GWh)	56.951	15.709	72.66	NTDC	44.49	IPPs	55.83				
Units can be purchased at 100% Plant Capacity (Net)	80	84	165	IPPs	7.82	NTDC	5.39				
Units which could be purchased but not purchased (GWh)	23	68	92	Small	3.94	Fuel Share (%) in Generation of KESC from its own Power Plant					
Plant Utilization Factor (%)	70.92	18.66	44.17	Total	100.00	Gas	86.31				
Plant Under Utilization Factor (%)	29.08	81.34	55.83			REO	13.69				
KESC Purchases from NTDC GWh											
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	436.81	Korangi Gas-II Power Plant commissioned during August 2009 but license modified on 12.03.15. Similarly Sate Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15									
Actual Units Drawn in GWh	413.255	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015									
Unit drawn from NTDC System (% age) w.r.t to Maximum Allowable limit	94.61	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012									
KESC Purchases from other generation companies on Take and Pay basis											
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	IL	Aggreko	Engro	Total		
Units Purchased (GWh)	25.532	0.391	0	4.862	0	5.821	0	0	36.606		
Fuel Cost (Rupees Million)	170.558	2.613	0	55.833	0	28.474	0	0			
Fuel Cost (Rs./KWh)	6.680	6.683	#DIV/0!	11.484	#DIV/0!	4.892	#DIV/0!	#DIV/0!			
Units Sent-out, Purchased and Sold out by KESC (GWh)											
	In GWh	in %age		Cost of Oil based Power Purchases / sent out		Power Purchases / Generated (MWh KWh)		Fuel Cost (Rs./KWh)			
KESC own units fed into its Distribution System	406.326	43.75								14.641	
KESC purchased units fed into its Distribution System	522.52	56.25								15.236	
Total Units sold by KESC	929	100.00								17.494	

Electricity Sent-out and Purchased by KESC during the Month of January 2013										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
1	1107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	2274.92	
NET Plant Capacity (MW)	53.899	0	0	0	0	0	0	0	53.899	
Units sent out (GWh) - on oil	82.075	247.688	0.144	0	4.454	0	0.163	7.553	351.879	
Units sent out (GWh) - on Gas	145.974	247.688	-0.144	0	4.494	0	6.163	7.553	405.728	
Total Units sent-out (GWh) (Oil+Gas)	824	374	106	51	63	64	63	149	1693	
Units could be sent out at 100% Plant's NET Capacity	578	126	136	51	58	64	63	149	1287	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	17.71	66.30	-0.14	0.00	7.14	0.00	0.26	5.08	23.97	
Plant Utilization Factor (%)	82.29	33.70	100.14	100.00	92.86	100.00	99.74	94.92	76.03	
Plant Under Utilization Factor (%)	505.253	1552.268	0.000	0.000	21.998	0.000	0.796	35.452	2115.767	
Fuel Cost (Rupees Million)	5.487	6.267	0.000	#DIV/0!	4.895	#DIV/0!	4.883	4.694		
Fuel Cost (Rs./KWH)										
KESC Purchases from IPPs supplying power on Take or Pay basis										
2	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.195	0.133	0.348	KESC Own	41.41	KESC Own		IPPs	76.03	
Units Purchased (GWh)	54.378	15.019	73.397	NTDC	47.27	IPPs		NTDC	59.70	
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	7.49	Small		Fuel Share (%) in Generation of KESC from its own Power Plant	4.23	
Units which could be purchased but not purchased (GWh)	35	74	109	Small	3.82	Total		Gas		
Plant Utilization Factor (%)	61.16	20.40	40.30	Total	100.00			RFO	13.28	
Plant Under Utilization Factor (%)	38.84	79.60	59.70							
KESC Purchases from NTDC GWh										
3	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly, Site Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15									
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6									
Actual Units Drawn in GWh	463.153									
220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015										
4	Units drawn from NTDC System (%) w.r.t. Maximum Allowable limit	95.77	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.							
KESC Purchases from other generation companies on Take and Pay basis										
4	KANUPP	PASWIC	DHA	Anoud	Al-Abbas	IL	Aggreko	Engro	Total	
Units Purchased (GWh)	25.653	0.215	0	5.541	0	6.033	0	0	37.432	
Fuel Cost (Rupees Million)	179.866	1.429	0	62.16	0	29.455	0	0		
Fuel Cost (Rs./KWH)	6.661	6.647	#DIV/0!	11.218	#DIV/0!	4.890	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC (GWh)										
5	Cost of Oil based power Purchases /sent									
Units sent out by KESC (GWh)	405.728	41.41								
KESC own units fed in its Distribution System	405.728	41.41								
KESC Purchased Units fed in its Distribution System	573.96	58.59								
Total Units sold by KESC	980	100.00								

Electricity Sent-out and Purchased by KESC during the Month of December 2012										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	2274.92	
Units sent out (GWh) - on oil	35.467	0	0	0	0	0	0	0	35.467	
Units sent out (GWh) - on Gas	80.572	308.414	-0.144	0	2.617	0	0.454	21.852	411.765	
Total Units sent-out (GWh) (Oil+Gas)	116.039	308.414	-0.144	0	2.617	0	0.454	21.852	447.232	
Units could be sent out at 100% Plant's NET Capacity	824	374	106	51	63	64	63	149	1693	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	708	67	106	51	50	64	62	127	1245	
Plant Utilization Factor (%)	14.08	82.02	-0.14	0.00	4.16	0.00	0.72	14.71	26.42	
Plant Under Utilization Factor (%)	85.92	17.98	100.14	100.00	95.84	100.00	99.28	85.29	73.58	
Fuel Cost (Rupees Million)	417.890	1815.022	0.000	0.000	12.109	0.000	2.099	96.947	2344.067	
Fuel Cost (Rs./KWh)	5.187	5.923	0.000	#DIV/0!	4.627	#DIV/0!	4.623	4.437		
KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.195	0.1253	0.2448	KESC Own	43.68		KESC Own		73.58	
Units Purchased (GWh)	36.413	21.44	57.853	NTDC	44.09		IPPs		68.24	
Units can be purchased at 100% plant Capacity (Net)	89	93	182	IPPs	5.65		NTDC		6.65	
Units which could be purchased but not purchased (GWh)	52	72	124	Small	6.56		Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	40.96	23.00	31.76	Total	100.00		Gas	92.07	7.93	
Plant Under Utilization Factor (%)	59.04	77.00	68.24				RFO			
KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	485.6			Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15						
Actual Units Drawn in GWh	451.450			220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.						
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	93.35			BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.						
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ITL	Aggreko	Engro	Total	
Units Purchased (GWh)	55.001	0.434	0	5.409	0	6.506	0	0	67.35	
Fuel Cost (Rupees Million)	308.352	2.435	0	59.322	0	30.069	0	0		
	5.607	5.611	#DIV/0!	10.967	#DIV/0!	4.622	#DIV/0!	#DIV/0!	0.000	
Units Sent-out, Purchased and Sold out by KESC (GWh)										
	in GWh		in %age		Cost of Oil based Power Purchases / sent out		Power Purchases / Generated (MW-KWh)		Fuel Cost (Rs./KWh)	
KESC own units fed in its Distribution System	447.232		43.68		TAPAL		36.413		513.366	
KESC Purchased Units fed in its Distribution System	576.65		56.32		GUL Ahmed		21.44		312.98	
Total Units sold by KESC	1024		100.00		KESC Own		35.467		589.81	

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Electricity Sent-out and Purchased by KESC during the Month of November 2012									
	BOPSI-I	BOPSI-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC
Units Sent-out from KESC Own Generation									
Net plant Capacity (MW)	1107.6	502.1	142.4	56.4	84.61	85.5	84.61	199.7	2274.92
Units sent out (GWh) - of	147.957	0	0	0	0	0	0	0	147.957
Units sent out (GWh) - of Gas	97.07	199.872	-0.111	0	8.016	0	1.717	37.593	484.157
Total Units sent out (GWh) (Oil-Gas)	245.027	199.872	-0.111	0	8.016	0	1.717	37.593	592.114
Units sold to be sent out at 100% Plant's Net Capacity	797	362	103	49	61	62	61	144	1638
Units that could have been sent out at 100% Plant's Net Capacity but not sent out	552	62	103	49	53	62	59	106	1046
Plant Utilization Factor (%)	30.73	82.95	-0.11	0.00	13.16	0.00	2.82	26.15	36.15
Plant Under Utilization Factor (%)	69.27	17.05	100.11	100.00	86.84	100.00	97.18	73.85	63.85
Fuel Cost (Rupees Million)	503.46	176.27	0.00	0.00	37.09	0.00	7.95	166.78	2491.548
Fuel Cost (Rs./MWh)	5.187	5.923	0.000	0.000	4.627	0.000	4.628	4.437	
KESC Purchases from IPPs supplying power on Take or Pay basis									
TAPAL									
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448						
Units Purchased (GWh)	56.129	29.965	86.094						
Units can be purchased at 100% Plant Capacity (Net)	86	90	176						
Units which could be purchased but not purchased (GWh)	30	60	90						
Plant Utilization Factor (%)	65.24	33.21	48.85						
Plant Under Utilization Factor (%)	34.76	66.79	51.15						
KESC Purchases from NTDC GWh									
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468								
Actual Units Drawn in GWh	461.302								
Unit drawn from NTDC System (% age w.r.t. to Maximum Allowable limit)	98.57								
KESC Purchases from other generation companies on Take and Pay basis									
KANUPP									
Units Purchased (GWh)	44.133	0.184	0	5.278	0	8.958	0	0	
Fuel Cost (Rupees Million)	346.081	1.441	0	39.257	0	32.136	0	0	
Fuel Cost (Rs./MWh)	7.842	7.832	0.000	11.227	0.000	4.621	0.000	0.000	
Units Sent-out, Purchased and Sold out by KESC (GWh)									
KESC own units fed into its Distribution System	592.114	49.50							
KESC Purchased Units fed into its Distribution System	603.99	50.50							
Total Units sold by KESC	1196	100.00							
Un-Utilized Capacity (%)									
Share in Generation (%)									
Un-Utilized Capacity (%)									
Fuel Share (%) in Generation of KESC from its own Power Plant									
Gas									
RFO									
Total									
Aggreko									
Enpro									
Total									
Fuel Cost (Rs./MWh)									
Power Purchases (MWh)									
Generated (MWh)									
Cost of Gas Purchased (Rs./MWh)									
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Electricity Sent-out and Purchased by KESC during the Month of October 2012									
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCP	Total KESC
1 Units Sent-out from KESC Own Generation									
Net Plant Capacity (MW)	1107.6	902.1	141.4	68.4	84.61	85.5	84.61	195.7	2274.92
Units sent out (GWh) - on oil	189,556	0	0	0	0	0	0	0	189,556
Units sent out (GWh) - on Gas	142,131	333,985	-0.122	0	32.87	0	4,557	65,045	578,466
Total Units sent out (GWh) (Oil+Gas)	331,687	333,985	-0.122	0	32.87	0	4,557	65,045	768,022
Units that could be sent out at 100% Plant's Net Capacity	824	374	106	51	63	64	63	149	1893
Units that could have been sent out at 100% Plant's Net Capacity but not sent out	492	40	106	51	30	64	58	84	975
Plant Utilization Factor (%)	40.25	89.41	-0.12	0.00	52.22	0.00	7.24	43.76	45.38
Plant Under Utilization Factor (%)	59.75	10.59	100.12	100.00	47.78	100.00	92.76	56.22	54.62
Fuel Cost (Rupees Million)	765,687	2054,871	0.000	0.000	157,954	0.000	21,899	299,741	3300,132
Fuel Cost (Rs. /KWh)	5.387	6.153	0.000	0.000	4.805	0.000	4.806	4.806	4.806
2 KESC Purchases from IPPs supplying power on Take or Pay basis									
TAPAL									
Plant Capacity (GWh) - Net	0.1195	0.1253	0.2448						54.62
Units Purchased (GWh)	65,006	36,477	101,483						44,28
Units can be purchased at 100% Plant Capacity (Net)	89	93	182						5,33
Units which could be purchased but not purchased (GWh)	24	57	81						
Plant Utilization Factor (%)	73.12	39.13	55.72						
Plant Under Utilization Factor (%)	26.88	60.87	44.28						
3 KESC Purchases from NTDC GWh									
Maximum Allowable limit of Units (GWh) that can be drawn from NTDC System	483.6								
Actual Units Drawn in GWh	467,506								
Units drawn from NTDC System (% age w.r.t. to Maximum Allowable limit)	96.67								
4 KESC Purchases from other generation companies on Take and Pay basis									
KANUPP									
Units Purchased (GWh)	36.62	1,963							
Fuel Cost (Rupees Million)	322,259	17,274							
Fuel Cost (Rs. /KWh)	8,800	8,800							
5 Units Sent-out, Purchased and Sold out by KESC (GWh)									
KESC own units fed in its Distribution System	768,022	55,79							
KESC Purchased Units fed in its Distribution System	621.18	44,71							
Total Units sold by KESC	1,389	100,00							

Korangi Gas II Power Plant commissioned during August 2009 to December 2009 but license modified on 17.03.15. Similarly Site Gas - Port er right

commissioned during July 2009 to December 2009 but license modified on 12.03.15

220 MW KCP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.

BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012

Units Purchased (GWh)

Fuel Cost (Rupees Million)

Fuel Cost (Rs. /KWh)

Units Sent-out, Purchased and Sold out by

KESC (GWh)

KESC own units fed in its Distribution System

KESC Purchased Units fed in its Distribution System

Total Units sold by KESC

Units Purchased (GWh)

Fuel Cost (Rupees Million)

Fuel Cost (Rs. /KWh)

Units Sent-out, Purchased and Sold out by

KESC (GWh)

KESC own units fed in its Distribution System

KESC Purchased Units fed in its Distribution System

Total Units sold by KESC

Units Purchased (GWh)

Fuel Cost (Rupees Million)

Fuel Cost (Rs. /KWh)

Units Sent-out, Purchased and Sold out by

KESC (GWh)

KESC own units fed in its Distribution System

KESC Purchased Units fed in its Distribution System

Total Units sold by KESC

Units Purchased (GWh)

Fuel Cost (Rupees Million)

Fuel Cost (Rs. /KWh)

Units Sent-out, Purchased and Sold out by

KESC (GWh)

KESC own units fed in its Distribution System

KESC Purchased Units fed in its Distribution System

Total Units sold by KESC

Units Purchased (GWh)

Fuel Cost (Rupees Million)

Fuel Cost (Rs. /KWh)

Units Sent-out, Purchased and Sold out by

KESC (GWh)

KESC own units fed in its Distribution System

Electricity Sent-out and Purchased by KESC during the Month of September 2012											
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC		
1 Units Sent-out from KESC Own Generation											
NET Plant Capacity (MW)	1107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	2274.92		
Units sent out (GWh) - on oil	158.344	0	0	0	0	0	0	0	158.344		
Units sent out (GWh) - on Gas	220.665	190.197	-0.116	0	45.813	0	32.589	76.126	565.274		
Total Units sent-out (GWh) (Oil+Gas)	379.009	190.197	-0.116	0	45.813	0	32.589	76.126	723.618		
Units could be sent out at 100% Plant's NET Capacity	797	362	103	49	61	62	61	144	1638		
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	418	171	103	49	15	62	28	68	914		
Plant Utilization Factor (%)	47.53	52.61	-0.11	0.00	75.20	0.00	53.50	52.94	44.18		
Plant Under Utilization Factor (%)	52.47	47.39	100.11	100.00	24.80	100.00	46.50	47.06	55.82		
Fuel Cost (Rupees Million)	1316.046	1295.496	-0.891	0.000	243.727	0.000	173.372	388.366	3416.116		
Fuel Cost (Rs./KWh)	5.964	6.811	7.681	#DIV/0!	5.320	#DIV/0!	5.320	5.102			
2 KESC Purchases from IPPs supplying power on Take or Pay basis											
	TAPAL	Gul Ahmed	Total IPPs								
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448								
Units Purchased (GWh)	60.162	64.45	124.612								
Units can be purchased at 100% Plant Capacity (Net)	86	90	176								
Units which could be purchased but not purchased (GWh)	26	26	52								
Plant Utilization Factor (%)	69.92	71.44	70.70								
Plant Under Utilization Factor (%)	30.08	28.56	29.30								
3 KESC Purchases from NTDC GWh											
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468										
Actual Units Drawn in GWh	447.413										
Units drawn from NTDC System (% age) w.r.t to Maximum Allowable limit	95.60										
4 KESC Purchases from other generation companies on Take and Pay basis											
	KANIUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total		
Units Purchased (GWh)	55.164	0.165	0	4.757	0	5.954	0	0	66.04		
Fuel Cost (Rupees Million)	481.957	1.438	0	56.51	0	27.241	0	0			
Fuel Cost (Rs./KWh)	8.721	8.715	#DIV/0!	11.879	#DIV/0!	4.575	#DIV/0!	#DIV/0!			
5 Units Sent-out, Purchased and Sold out by KESC (GWh)											
	in GWh	in %age		Cost of Oil based Power Purchases / sent out		Power Purchases / Generated (Mill. KWh-)	Fuel Cost (Mill Rs.)	Fuel Cost RS. / KWH			
KESC own units fed in its Distribution System	723.618	53.14		TAPAL		60.162	920.55	15.301			
KESC Purchased Units fed in its Distribution System	638.37	46.86		GUL Ahmed		64.45	1027.833	15.948			
Total Units sold by KESC	1362	100.00		KESC Own		158.344	2871.395	18.135			

Electricity Sent-out and Purchased by KESC during the Month of August 2012												
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCCP	Total KESC			
1	Units Sent-out from KESC Own Generation											
	NET Plant Capacity (MW)	1107.6	502.1	142.4	84.61	85.5	84.61	195.7	2274.92			
	Units sent out (GWh) - on oil	259.325	0	0	0	0	0	0	259.325			
	Units sent out (GWh) - on Gas	220.297	152.67	-0.114	48.446	0	35.728	97.088	554.115			
	Total Units sent-out (GWh) (Oil+Gas)	479.622	152.67	-0.114	48.446	0	35.728	97.088	813.440			
	Units could be sent out at 100% Plant's NET Capacity	824	374	106	63	64	63	149	1693			
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	344	22	106	15	64	27	51	879			
	Plant Utilization Factor (%)	58.20	40.87	-0.11	76.96	0.00	56.76	65.35	48.06			
	Plant Under Utilization Factor (%)	41.80	59.13	100.11	23.04	100.00	43.24	34.65	51.94			
	Fuel Cost (Rupees Million)	1313.854	1039.887	-0.876	257.735	0.000	190.071	495.302	3295.973			
	Fuel Cost (Rs./KWH)	5.964	6.811	7.684	5.320	#DIV/0!	5.320	5.102	5.102			
2	KESC Purchases from IPPs supplying power on Take or Pay basis											
	TAPAL		Gul Ahmed	Total IPPs	Share in Generation (%)		Un-Utilized Capacity (%)					
	Plant Capacity (GW) - Net	0.1195	0.2253	0.2448	KESC Own	57.79	KESC Own	51.94				
	Units Purchased (GWh)	20.731	58.245	78.876	NTDC	32.48	IPPs	56.69				
	Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	5.60	NTDC	5.47				
	Units which could be purchased but not purchased (GWh)	68	35	103	Small	4.23	Fuel Share (%) in Generation of KESC from its own Power Plant					
	Plant Utilization Factor (%)	23.32	62.37	43.31	Total	100.00	Gas	88.12				
	Plant Under Utilization Factor (%)	76.68	37.63	56.69			RFO	31.88				
	KESC Purchases from NTDC GWh											
	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.8	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15									
	Actual Units Drawn in GWh	457.169	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.									
Unit drawn from NTDC System % age) w.r.t. to Maximum Allowable limit	94.53	BQPS-II commissioned during February 2012 while Steam Turbine commissioned in May 2012.										
4	KESC Purchases from other generation companies on Take and Pay basis											
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total			
	Units Purchased (GWh)	46.546	0.523	0	0	7.70	0	0	58.054			
	Fuel Cost (Rupees Million)	477.45	5.365	0	36.423	0	35.535	0				
	Fuel Cost (Rs./KWH)	10.258	10.266	#DIV/0!	11.091	#DIV/0!	4.614	#DIV/0!	#DIV/0!	0.000		
5	Units Sent-out, Purchased and Sold out by KESC (GWh)											
	in GWh		in %age		Cost of Co. based Power Purchases (Mill Rs.)		Power Purchases (Mill Rs.)		Fuel Cost Rs. / KWH			
	KESC own units fed in its Distribution System		513.4		KAPAL		291.247		14.073			
	KESC Purchased units fed in its Distribution System		584.1		GUL-AVED		868.333		14.937			
	Total Units sold by KESC		1408	100.00	KESC Own		4511.028		17.395			

Electricity Sent-out and Purchased by KESC during the Month of July 2012										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	2274.92	
Units sent out (GWh) - on oil	281.047	0	0	0	0	0	0	0	281.047	
Units sent out (GWh) - on Gas	174.93	230.353	-0.104	0	51.286	0	40.04	103.019	599.524	
Total Units sent-out (GWh) (Oil+Gas)	455.977	230.353	-0.104	0	51.286	0	40.04	103.019	880.571	
Units could be sent out at 100% Plant's NET Capacity	824	374	106	51	63	64	63	149	1693	
Units that could have been sent out at 100% plant's NET Capacity but not sent-out	368	143	106	51	12	64	73	46	513	
Plant Utilization Factor (%)	55.33	61.66	-0.10	0.00	81.47	0.00	63.51	69.34	52.03	
Plant Under Utilization Factor (%)	44.67	38.34	100.00	100.00	18.53	100.00	36.39	30.66	47.97	
Fuel Cost (Rupees Million)	1043.285	1569.012	-0.800	0.000	272.839	0.000	213.011	525.563	3622.91	
Fuel Cost (Rs./KWH)	5.964	6.811	7.692	#DIV/0!	5.320	#DIV/0!	5.320	5.102		
KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)		Un-Utilized Capacity (%)				
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	58.38	KESC Own		KESC Own	47.97	
Units Purchased (GWh)	28.022	98.519	96.541	NTDC	30.53	IPPs		IPPs	46.99	
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	6.40	NTDC		NTDC	4.79	
Units which could be purchased but not purchased (GWh)	61	25	86	Small	4.69	Fuel Share (%) in Generation of KESC from its own Power Plant				
Plant Utilization Factor (%)	31.52	73.50	53.01	Total	100.00	Gas	68.08	RFO	31.52	
Plant Under Utilization Factor (%)	68.48	26.50	46.99							
KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (if GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15								
Actual Units Drawn in GWh	460.431	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned during February 2012 while Steam Turbine commissioned in May 2012.								
Unit drawn from NTDC System (in % age) w.r.t. to Maximum Allowable limit	55.23	BQPS-II commissioned during February 2012 while Steam Turbine commissioned in May 2012.								
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total	
Units Purchased (GWh)	59.403	0.333	0	3.608	0	0	7.327	0	70.671	
Fuel Cost (Rupees Million)	560.433	3.145	0	38.319	0	0	33.84	0		
Fuel Cost (Rs./KWH)	9.434	9.444	#DIV/0!	10.621	#DIV/0!	#DIV/0!	4.619	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC (GWh)										
	In GWh	In %age	Cost of Oil Based Power Purchases / Generated (MWh/KWH)		Fuel Cost (MWh/Rs.)		Fuel Cost (Rs./KWH)			
KESC own units fed into Distribution System	880.571	58.39	28.013		356.311		13.793			
KESC Purchased units fed into Distribution System	617.64	41.61	68.519		976.952		14.254			
Total Units sold by KESC	1508	100.00	281.047		4562.874		16.235			

Electricity Sent-out and Purchased by KESC during the Month of May 2012										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas - II	S.I.T.E Gas-I	S.I.T.E Gas - II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	502.1	142.4	68.4	84.61	85.5	84.61	199.7	2274.92	
Units sent out (GWh) - on oil	217.097	0	0	0	0	0	0	0	217.097	
Units sent out (GWh) - on Gas	186.165	281.057	-0.156	0	59.567	0	52.482	90.306	669.421	
Total Units sent-out (GWh) (Oil+Gas)	403.262	281.057	-0.156	0	59.567	0	52.482	90.306	886.518	
Units could be sent out at 100% Plant's NET Capacity	824	374	106	51	63	64	63	149	1693	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	421	93	106	51	3	64	10	58	806	
Plant Utilization Factor (%)	48.94	75.24	-0.15	0.00	94.63	0.00	83.37	60.78	52.38	
Plant Under Utilization Factor (%)	51.06	24.76	100.15	100.00	5.37	100.00	16.63	39.22	47.62	
Fuel Cost (Rupees Million)	1006.914	1736.125	-1.091	0.000	287.391	0.000	253.210	417.810	3700.359	
Fuel Cost (Rs./KWH)	5.409	6.177	6.994	#DIV/0!	4.825	#DIV/0!	4.825	4.627		
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	59.12	KESC Own	47.62			
Units Purchased (GWh)	17.669	70.408	88.057	NTDC	30.90	IPPs	51.65			
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	5.87	NTDC	4.18			
Units which could be purchased but not purchased (GWh)	71	23	94	Small	4.10	Fuel Share (%) in Generation of KESC from its own Power Plant				
Plant Utilization Factor (%)	19.85	75.53	48.35	Total	100.00	Gas	75.51	24.49		
Plant Under Utilization Factor (%)	80.15	24.47	51.65			RFO				
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.66	Korangi Gas-II Power Plant commissioned during August 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 but License modified on 12.03.15								
Actual Units Drawn in GWh	463.386	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t to Maximum Allowable limit	95.82	BQPS-II commissioned during February 2012. White Steam Turbine commissioned in May 2012.								
4 KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbass	ILL	Aggreko	Engro	Total	
Units Purchased (GWh)	50.354	0.138	0	3.312	0	7.703	0	0	61.507	
Fuel Cost (Rupees Million)	432.991	1.188	0	39.905	0	37.85	0	0		
Fuel Cost (Rs./KWH)	8.599	8.609	#DIV/0!	12.049	#DIV/0!	4.914	#DIV/0!	#DIV/0!		
5 Units Sent-out, Purchased and Sold out by KESC (GWh)										
	in GWh		in %age		Cost of Oil based Power Purchases / sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost (Mill Rs.)	
KESC own units fed in its Distribution System	886.518		59.12						284.346	16.111
KESC Purchased Units fed in its Distribution System	612.95		40.88						1151.613	16.356
Total Units sold by KESC	1499		100.00						4059.675	18.700

Electricity Sent-out and Purchased by KESC during the Month of April 2012										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	325.98	142.4	58.4	84.61	85.5	84.61	199.7	2098.8	
Units sent out (GWh) - on oil	197.752	0	0	0	0	0	0	0	197.752	
Units sent out (GWh) - on Gas	177.257	199.814	0	0	56.095	0	22.731	81.387	537.084	
Total Units sent-out (GWh) (Oil+Gas)	375.009	199.814	0	0	56.095	0	22.731	81.387	734.836	
Units could be sent out at 100% Plant's NET Capacity	797	235	203	49	61	62	61	144	1511	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	422	35	103	49	3	62	38	63	776	
Plant Utilization Factor (%)	47.02	85.13	0.00	0.00	92.08	0.00	37.31	56.46	48.63	
Plant Under Utilization Factor (%)	52.98	14.87	100.00	100.00	7.92	100.00	62.69	43.54	51.37	
Fuel Cost (Rupees Million)	958.73	1234.28	0.00	0.00	270.64	0.00	109.67	375.62	2948.94	
Fuel Cost (Rs./KWh)	5.409	6.177	#DIV/0!	#DIV/0!	4.825	#DIV/0!	4.825	4.627	5.491	
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	56.53		KESC Own		51.37	
Units Purchased (GWh)	28.771	48.45	77.221	NTDC	35.17		IPP's		56.19	
Units can be purchased at 100% Plant Capacity (Net)	86	90	176	IPP's	5.94		NTDC		2.27	
Units which could be purchased but not purchased (GWh)	57	42	99	Shali	2.39		Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	33.44	53.70	43.81	Total	100.00		Gas		RFO	
Plant Under Utilization Factor (%)	66.56	46.30	56.19					73.08	26.91	
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	458	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15								
Actual Units Drawn in GWh	457.389	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	97.73	BQPS-II commissioned during February 2012 while Steam Turbine commissioned in May 2012								
4 KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	BHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total	
Units Purchased (GWh)	20.321	0.675	0	2.455	0	7.539	0	0	31.029	
Fuel Cost (Rupees Million)	385.895	6.177	0	30.92	0	37.033	0	0		
Fuel Cost (Rs./KWh)	9.148	9.151	#DIV/0!	12.393	#DIV/0!	4.913	#DIV/0!	#DIV/0!		
5 Units Sent-out, Purchased and Sold out by KESC (GWh)										
	in GWh			in %age			Fuel Cost RS / KWh			
KESC own units fed in its Distribution System	734.836	56.51		Cost of Oil based power purchases / sent out			Power Purchases / Generated (Milli KWh)	Fuel Cost (Milli Rs.)		
KESC Purchased units fed in its Distribution System	565.54	43.49					TAPAL	470.039	16.337	
Total Units sold by KESC	1300	100.00					GUL AHMED	813.894	16.799	
							KESC Own	3792.83	19.180	

Electricity Sent-out and Purchased by KESC during the Month of March 2012											
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC		
Units Sent-out from KESC Own Generation											
1	NET Plant Capacity (MW)	1107.6	325.98	142.4	68.4	84.61	85.5	84.61	199.7	2098.8	
	Units sent out (GWh) - on oil	105.161	0	0	0	0	0	0	0	105.161	
	Units sent out (GWh) - on Gas	256.805	16.373	-0.16	0	48.911	0	13.171	72.322	407.522	
	Total Units sent-out (GWh) (Oil+Gas)	362.066	16.373	-0.16	0	48.911	0	13.171	72.322	512.683	
	Units could be sent out at 100% Plant's NET Capacity	824	243	106	51	63	64	63	149	1562	
	Units that could have been sent out at 100% plant's NET Capacity but not sent-out	462	226	106	51	14	64	50	76	1049	
	Plant Utilization Factor (%)	43.94	6.75	-0.15	0.00	77.70	0.00	20.92	48.68	32.83	
	Plant Under Utilization Factor (%)	56.06	93.25	100.15	100.00	22.30	100.00	79.08	51.32	67.17	
	Fuel Cost (Rupees Million)	1389.522	101.141	-1.116	0.000	235.981	0.000	63.545	334.607	2123.68	
	Fuel Cost (Rs./KWH)	5.409	6.177	6.975	#DIV/0!	4.825	#DIV/0!	4.825	4.627		
KESC Purchases from IPPs supplying power on Take or Pay basis											
2		TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
	Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own			KESC Own			
	Units Purchased (GWh)	31.193	31.287	62.48	NTDC			PPPs			
	Units can be purchased at 100% plant Capacity (Net)	89	93	182	PPPs			NTDC			
	Units which could be purchased but not purchased (GWh)	58	62	120	Small			Fuel Share (%) in Generation of KESC from its own Power Plant			
	Plant Utilization Factor (%)	35.08	33.56	34.30	Total			Gas			
	Plant Under Utilization Factor (%)	64.92	66.44	65.70				RFO			
KESC Purchases from NTDC GWh											
3	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 but license modified on 12.03.15. Simlariy Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
	Actual Units Drawn in GWh	479.102	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
	Unit drawn from NTDC System (Average) w.r.t. to Maximum Allowable limit	99.07	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
KESC Purchases from other generation companies on Take and Pay basis											
4		KANUPP	PASMIC	DHA	Anoud	Al-Abbas	UIL	Aggreko	Engro	Total	
	Units Purchased (GWh)	54.21	1.24	0	4.43	0	7.45	0	0	67.33	
	Fuel Cost (Rupees Million)	469.229	10.737	0	54.102	0	36.512	0	0		
	Fuel Cost (Rs./KWH)	8.656	8.651	#DIV/0!	12.213	#DIV/0!	4.901	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC (GWh)											
5		In GWh	In %age	Cost of Oil based power purchases / sent out		Power Purchases / Generated (Mill. KWH)		Fuel Cost (Mill. Rs.)		Fuel Cost RS. / KWH	
	KESC own units fed in its Distribution System	512.683	45.71	TAPAL		31.193		499.614		16.017	
	KESC Purchased Units fed in its Distribution System	658.91	54.29	GUL Ahmed		31.287		517.559		16.530	
	Total Units sold by KESC	1172	100.00	KESC Own		105.161		1994.554		18.967	

Electricity Sent-out and Purchased by KESC during the Month of February 2012									
	BQPS-I	BQPS-II	KIPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E. Gas-I	S.I.T.E. Gas-II	220 MW KCPP	Total KESC
1 Units Sent-out from KESC Own Generation									
NET Plant Capacity (MW)	1107.6		142.4	68.4	84.61	85.5	84.61	199.7	1772.82
Units sent out (GWh) - on air	69.907	0	0	0	0	0	0	0	69.907
Units sent out (GWh) - on gas	208.795	2.422	0	0	32.165	0	18.313	42.512	304.207
Total Units sent out (GWh) (On Gas)	278.702	2.422	0	0	32.165	0	18.313	42.512	374.114
Units that can be sent out at 100% Plant's NET Capacity	744	0	56	46	57	57	57	134	1191
Units that could have been sent out at 100% Plant's NET Capacity but not sent out	466	0	96	46	25	57	39	57	817
Plant Under Utilization Factor (%)	37.44	#DIV/0!	0.00	0.00	56.57	0.00	32.21	31.62	31.40
Plant Under Utilization Factor (%)	62.56	#DIV/0!	100.00	100.00	43.43	100.00	67.79	68.37	68.60
Fuel Cost (Rupees Million)	1119.311	14.563	0.009	0.000	155.185	0.000	88.353	195.685	1564.497
Fuel Cost (Rs./KWh)	5409	6.178	#DIV/0!	#DIV/0!	4.825	#DIV/0!	4.825	4.627	5.209
2 KESC Purchases from IPPs supplying power on Take or Pay basis									
TAPAL									
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448			40.73			68.60
Units Purchased (GWh)	17.242	19.921	37.163			37.91			77.41
Units can be purchased at 100% Plant Capacity (Net)	80	84	165			4.05			0.75
Units which could be purchased but not purchased (GWh)	63	64	127			7.31			
Plant Utilization Factor (%)	21.47	23.66	22.59			100.00			
Plant Under Utilization Factor (%)	78.53	76.34	77.41						18.69
3 KESC Purchases from NTDC GWh									
Maximum allowable limit of Units (in GWh) that can be drawn from NTDC System	436.8								
Actual Units Drawn in GWh	440.089								
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	100.75								
4 KESC Purchases from other generation companies on Take and Pay basis									
KANUPP									
Units Purchased (GWh)	53.915	0.191	0	5.73	0	7.28	0	0	67.115
Fuel Cost (Rupees Million)	446.291	1.571	0	68.442	0	35.646	0	0	
Fuel Cost (Rs./KWh)	8.278	8.263	#DIV/0!	11.945	#DIV/0!	4.897	#DIV/0!	#DIV/0!	0.000
5 Units Sent-out, Purchased and Sold out by KESC (GWh)									
KESC own units fed in its Distribution System	374.114	40.73							15.069
KESC Purchased Units fed in its Distribution System	544.371	59.27							15.810
Total Units sold by KESC	918	100.00							18.221

Electricity Sent-out and Purchased by KESC during the Month of December 2011									
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC
1 Units Sent-out from KESC Own Generation									
NET Plant Capacity (MW)	1107.6	0	142.4	68.4	84.61	85.5	84.6	199.7	1772.81
Units sent out (GWh) - on oil	54.582	0	0	0	0	0	0	0	54.582
Units sent out (GWh) - on Gas	184.52	29.84	-0.29	0	25.21	0	1.24	33.57	274.09
Total Units sent-out (GWh) (Oil+Gas)	239.102	29.84	-0.29	0	25.21	0	1.24	33.57	328.672
Units could be sent out at 100% Plant's NET Capacity	824	0	106	51	63	64	63	149	1319
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	585	-30	106	51	38	64	62	115	990
Plant Utilization Factor (%)	29.02	#DIV/0!	-0.27	0.00	40.05	0.00	1.97	22.59	24.92
Plant Under Utilization Factor (%)	70.98	#DIV/0!	100.27	100.00	59.95	100.00	98.03	77.41	75.08
Fuel Cost (Rupees Million)	878.698	162.298	-1.751	0.000	107.091	0.000	5.250	136.762	1288.348
Fuel Cost (Rs./KWH)	4.762	5.439	6.038	#DIV/0!	4.248	#DIV/0!	4.234	4.074	4.700
2 KESC Purchases from IPPs supplying power on Take or Pay basis									
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)		
Plant Capacity (GW) Net	0.1195	0.1253	0.2448	KESC Own	33.34		KESC Own	75.08	
Units Purchased (GWh)	50.856	54.623	105.481	NTDC	52.34		IPPs	42.09	
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	10.63		NTDC	-7.15	
Units which could be purchased but not purchased (GWh)	38	39	77	Small	3.99		Fuel Share (%) in Generation of KESC from its own Power Plant		
Plant Utilization Factor (%)	57.20	58.59	57.91	Total	100.00		Gas	83.39	16.61
Plant Under Utilization Factor (%)	42.80	41.41	42.09				RFO		
3 KESC Purchases from NTDC GWh									
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15							
Actual Units Drawn in GWh	518.2	220 MW KCPP Power Plant Commissioned during November 2008 to March 2009. First Steam Turbine Commissioned in September 2009 while second Steam Turbine commissioned in 2015							
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	107.15	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.							
4 KESC Purchases from other generation companies on Take and Pay basis									
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total
Units Purchased (GWh)	25.626	0.158	0	5.199	0	8.597	0	0	39.580
Fuel Cost (Rupees Million)	185.922	1.144	0	56.961	0	35.59	0	0	0
Fuel Cost (Rs./KWH)	7.255	7.241	#DIV/0!	10.956	#DIV/0!	4.256	#DIV/0!	#DIV/0!	0.000
5 Units Sent-out, Purchased and Sold out by KESC (GWh)									
	in GWh			in %age			Fuel Cost RS / KWH		
KESC own units fed in its Distribution System	328.672	33.14		Costs of Oil based Power Purchases / sent out		Power Purchases / Generated (Milli Rs.)	Fuel Cost (Milli Rs.)		
KESC Purchased Units fed in its Distribution System	665.22	66.86		TAPAL	50.556		731.523	14.384	
Total Units sold by KESC	992	100.00		IGUL AHMED	54.633		794.146	14.539	
				KESC Own	54.582		931.348	17.063	

Electricity Sent-out and Purchased by KESC during the Month of November 2011										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	0	142.4	68.4	84.61	85.5	84.61	198.7	1772.82	
Units sent out (GWh) - on oil	144.796	0	0	0	0	0	0	0	144.796	
Units sent out (GWh) - on Gas	257.533	17.059	1.241	0	43.147	0	36.742	80.28	436.002	
Total Units sent-out (GWh) (Oil+Gas)	402.329	17.059	1.241	0	43.147	0	36.742	80.28	580.798	
Units could be sent out at 100% Plant's NET Capacity	797	0	103	49	61	62	61	144	1276	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	395	-17	101	49	18	62	74	64	696	
Plant Utilization Factor (%)	50.45	#DIV/0!	1.21	0.00	70.83	0.00	60.31	55.83	45.50	
Plant Under Utilization Factor (%)	49.55	#DIV/0!	98.79	100.00	29.17	100.00	39.69	44.17	54.50	
Fuel Cost (Rupees Million)	1226.390	92.779	7.626	0.000	133.282	0.000	156.073	327.027	1993.167	
Fuel Cost (Rs./KWh)	4.762	5.439	6.145	#DIV/0!	4.248	#DIV/0!	4.248	4.073		
KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	49.96		KESC Own		54.50	
Units Purchased (GWh)	44.846	30.723	75.569	NTDC	42.35		IPPs		57.13	
Units can be purchased at 100% Plant Capacity (Net)	86	90	176	IPPs	6.50		NTDC		5.20	
Units which could be purchased but not purchased (GWh)	41	59	101	Small	1.20		Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	52.12	34.05	42.87	Total	100.00		Gas	75.07	24.93	
Plant Under Utilization Factor (%)	47.88	65.95	57.13				RFO			
KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (GWh) that can be drawn from NTDC System	468	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15								
Actual Units Drawn in GWh	492.350	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Units drawn from NTDC System (% age) w r t to Maximum Allowable limit	105.20	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012								
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total	
Units Purchased (GWh)	0	0.677	0	4.749	0	8.475	0	0	13.901	
Fuel Cost (Rupees Million)	0	5.49	0	51.518	0	36.034	0	0		
Fuel Cost (Rs./KWh)	#DIV/0!	8.109	#DIV/0!	10.848	#DIV/0!	4.252	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC (GWh)										
	in GWh		in %age		Cost of Oil based Power Purchases / sent out		Power Purchases / Generated (Mill KWh)		Fuel Cost (Mill Rs.) RS / KWh	
KESC own units fed in its Distribution System	580.798		49.96		TAPAL		44.846		619.112	
KESC Purchased Units fed in its Distribution System	581.82		50.04		GUL AHMED		30.723		440.811	
Total Units sold by KESC	1163		100.00		KESC Own		144.796		2354.838	
									16.263	

Electricity Sent-out and Purchased by KESC during the Month of October 2011										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas - II	S.I.T.E Gas-I	S.I.T.E Gas - II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6		0	142.4	58.4	84.61	85.5	84.61	199.7	1772.82
Units sent out (GWh) - on oil	314.96		0	0	0	0	0	0	0	314.96
Units sent out (GWh) - on Gas	157	94.61	37.26	0	0	60.74	0	47.4	81.49	478.5
Total Units sent out (GWh) (Oil+Gas)	471.96	94.61	37.26	0	0	60.74	0	47.4	81.49	793.460
Units could be sent out at 100% Plant's NET Capacity	824	0	106	51	63	64	64	149	1319	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	352	95	69	51	2	64	16	67	526	
Plant Utilization Factor (%)	57.27	#DIV/0!	35.17	0.00	96.49	0.00	75.30	54.85	60.16	
Plant Under Utilization Factor (%)	42.73	#DIV/0!	64.83	100.00	3.51	100.00	24.70	45.15	39.84	
Fuel Cost (Rupees Million)	747.654	514.528	228.881	0.000	258.014	0.000	201.361	331.940	2282.378	
Fuel Cost (Rs./KWH)	4.762	5.438	6.143	#DIV/0!	4.248	#DIV/0!		4.073		
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)		Un-Utilized Capacity (%)				
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	58.40	KESC Own	39.84			
Units Purchased (GWh)	74.492	0	74.492	NTDC	34.30	IPPs	59.10			
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	5.48	NTDC	3.64			
Units which could be purchased but not purchased (GWh)	14	93	108	Small	1.82	Fuel Share (%) in Generation of KESC from its own Power Plant				
Plant Utilization Factor (%)	83.79	0.00	40.90	Total	100.00	Gas	60.31	39.69		
Plant Under Utilization Factor (%)	16.21	100.00	59.10							
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6									
Actual Units Drawn in GWh	466.000									
Unit drawn from NTDC System (% age) w.r.t to Maximum Allowable limit	96.36									
BQPS-II commissioned during february 2012 While Steam Turbine commissioned in May 2012.										
4 KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	IL	Aggreko	Engro	Total	
Units Purchased (GWh)	9.745	1.203	0	4.407	0	9.373	0	0	24.728	
Fuel Cost (Rupees Million)	65.55	11.826	0	45.748	0	40.01	0	0		
Fuel Cost (Rs./KWH)	6.727	9.830	#DIV/0!	10.381	#DIV/0!	4.269	#DIV/0!	#DIV/0!		
5 Units Sent-out, Purchased and Sold out by KESC (GWh)										
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Milli KWH)		Fuel Cost RS / KWH	
KESC own units fed in its Distribution System	793.46		58.40				TAPAL		13.516	
KESC Purchased Units fed in its Distribution System	565.22		41.60				GUL AHMED		#DIV/0!	
Total Units sold by KESC	1359		100.00				KESC Own		4989.134	
									15.841	

Electricity Sent-out and Purchased by KESC during the Month of August 2011										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6		0	142.4	84.61	85.5	84.61	199.7	1772.82	
Units sent out (GWh) - on oil	258.325		0	0	0	0	0	0	258.325	
Units sent out (GWh) - on Gas	252.748	6.71	35.761	0	59.173	0	58.761	120.019	533.172	
Total Units sent-out (GWh) (Oil+Gas)	511.073	6.71	35.761	0	59.173	0	58.761	120.019	791.497	
Units could be sent out at 100% Plant's NET Capacity	824	0	106	51	63	64	63	149	1319	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	313	-7	76	51	4	64	4	25	527	
Plant Utilization Factor (%)	62.02	#DIV/0!	33.75	0.00	94.00	0.00	93.35	80.78	60.01	
Plant Under Utilization Factor (%)	37.98	#DIV/0!	66.25	100.00	6.00	100.00	6.65	19.22	39.99	
Fuel Cost (Rupees Million)	1194.176	36.205	217.953	0.000	249.388	0.000	247.655	485.066	2430.443	
Fuel Cost (Rs./KWH)	4.725	5.396	6.095	#DIV/0!	4.215	#DIV/0!	4.215	4.042		
KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GWh) - Net	0.1195	0.1253	0.2448	KESC Own	55.98		KESC Own		35.99	
Units Purchased (GWh)	49.489	33.796	83.285	NTDC	33.86		IPPs		54.27	
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	5.89		NTDC		0.98	
Units which could be purchased but not purchased (GWh)	39	59	99	Small	4.27		Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	55.66	36.25	45.73	Total	100.00		Gas	67.36	32.64	
Plant Under Utilization Factor (%)	44.34	63.75	54.27							
KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6			Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15						
Actual Units Drawn in GWh	478.840			220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.						
Units drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	99.02			BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.						
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total	
Units Purchased (GWh)	49.152	0.907	0	4.135	0	6.164	0	0	60.358	
Fuel Cost (Rupees Million)	242.832	8.173	0	43.606	0	24.985	0	0		
Fuel Cost (Rs./KWH)	9.009	9.011	#DIV/0!	10.546	#DIV/0!	4.053	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC (GWh)										
	in GWh		in %age		Cost of Oil based Power Purchases / sent out		Power Purchases / Generated (Mill KWh)		Fuel Cost (Mill Rs.) / KWh	
KESC own units fed into its Distribution System	791.497		55.98				TAPAL	49.489	676.670	13.673
KESC purchased units fed into its Distribution System	622.48		44.02				GULAHMED	33.756	475.677	14.075
Total Units sold by KESC	1414		100.00				KESC Own	258.325	478.184	16.186

Electricity Sent-out and Purchased by KESC during the Month of July 2011										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	0	142.4	68.4	84.61	85.5	84.61	199.7	1772.82	
Units sent out (GWh) - on oil	204.5	0	0	0	0	0	0	0	204.5	
Units sent out (GWh) - on Gas	199.87	0	34.53	0	60.96	0	58.04	112.42	465.82	
Total Units sent-out (GWh) (Oil+Gas)	404.37	0	34.53	0	60.96	0	58.04	112.42	670.320	
Units could be sent out at 100% Plant's NET Capacity	824	0	106	51	63	64	63	149	1319	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	420	0	71	55	2	64	5	36	649	
Plant Utilization Factor (%)	49.07	#DIV/0!	32.59	0.00	96.84	0.00	92.20	75.66	50.82	
Plant Under Utilization Factor (%)	50.93	#DIV/0!	67.41	100.00	3.16	100.00	7.80	24.34	49.18	
Fuel Cost (Rupees Million)	- 838.225	0.000	186.788	0.000	228.059	0.000	217.126	403.312	1873.510	
Fuel Cost (Rs./KWH)	4.194	#DIV/0!	5.409	#DIV/0!	3.741	#DIV/0!	3.741	3.588		
KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	51.44	KESC Own	51.44	IPP's	54.24	49.18
Units Purchased (GWh)	55.378	9.745	65.123	NTDC	36.93	NTDC	36.93	IPP's	54.24	49.18
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPP's	5.00	IPP's	5.00	NTDC		-4.90
Units which could be purchased but not purchased (GWh)	34	83	117	Small	4.63	Small	4.63	Fuel Share (%) in Generation of KESC from its own Power Plant		
Plant Utilization Factor (%)	62.29	10.45	35.76	Total	100.00	Total	100.00	Gas	69.49	30.51
Plant Under Utilization Factor (%)	37.71	89.55	64.24					RFO		
KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15 Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
Actual Units Drawn in GWh	507.290	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	104.90	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total	
Units Purchased (GWh)	46.8	0.94	0	4.712	0	7.896	0	0	60.308	
Fuel Cost (Rupees Million)	376.347	7.571	0	47.767	0	29.395	0	0		
Fuel Cost (Rs./KWH)	8.042	8.054	#DIV/0!	10.137	#DIV/0!	3.742	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC (GWh)										
	In GWh	In %age	Cost of Oil based Power Purchases / sent out			Power Purchases / Generated (Mill KWH)			Fuel Cost RS. / KWH	
KESC own units fed in its Distribution System	670.32	51.44							13.415	
KESC Purchased Units fed in its Distribution System	632.75	48.56							13.888	
Total Units sold by KESC	1303	100.00							15.768	

Electricity Sent-out and Purchased by KESC during the Month of June 2011										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-II	S.I.T.E Gas-I	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	0	142.4	68.4	84.61	85.5	84.61	199.7	1772.82	
Units sent out (GWh) - on oil	292.38	0	0	0	0	0	0	0	292.38	
Units sent out (GWh) - on Gas	186.69	0	28.69	0	58.36	0	53.91	115.51	443.16	
Total Units sent-out (GWh) (Oil+Gas)	479.07	0	28.69	0	58.36	0	53.91	115.51	735.540	
Units could be sent out at 100% Plant's NET Capacity	797	0	103	49	61	62	61	144	1276	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	318	0	74	49	3	62	7	28	541	
Plant Utilization Factor (%)	60.07	#DIV/0!	27.98	0.00	95.80	0.00	88.49	80.34	57.62	
Plant Under Utilization Factor (%)	39.93	#DIV/0!	72.02	100.00	4.20	100.00	11.51	19.66	42.38	
Fuel Cost (Rupees Million)	782.958	0.000	155.200	0.000	218.334	0.000	201.674	414.372	1772.538	
Fuel Cost (Rs / KWH)	4.194	#DIV/0!	5.410	#DIV/0!	3.741	#DIV/0!	3.741	3.587		
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net:	0.1195	0.1253	0.2448	KESC Own			KESC Own			42.38
Units Purchased (GWh)	68.826	63.261	132.087	NTDC			NTDC			25.06
Units can be purchased at 100% Plant Capacity (Net)	86	90	176	IPPs			IPPs			2.64
Units which could be purchased but not purchased (GWh)	17	27	44	Small			Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	79.99	70.12	74.94	Total			Gas			RFO
Plant Under Utilization Factor (%)	20.01	29.88	25.06							39.75
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15 Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
Actual Units Drawn in GWh	480.337	220 MW KCPP power plant commissioned during November 2008 to March 2009 First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t to Maximum Allowable limit	102.64	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
4 KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	HL	Aggreko	Engro	Total	
Units Purchased (GWh)	22.207	1.619	0	5.279	0	7.277	0	0	36.382	
Fuel Cost (Rupees Million)	201.948	14.722	0	53.836	0	27.212	0	0		
Fuel Cost (Rs / KWH)	9.094	9.093	#DIV/0!	10.198	#DIV/0!	3.739	#DIV/0!	#DIV/0!	0.000	
5 Units Sent-out, Purchased and Sold out by KESC										
	in GWh			in %age			Fuel Cost RS / KWH			
KESC own units fed in its Distribution System	735.54	53.13		Cost of Oil based Power Purchases / sent out			Power Purchases / Generated (Mill KWH)			
KESC purchase Units fed in its Distribution System	649	46.87		TAPAL			Fuel Cost (Mill Rs.)			
Total Units sold by KESC	1384	100.00		KESC Own			913.874			
							863.768			
							4576.245			
							13.278			
							13.654			
							15.652			

Electricity Sent-out and Purchased by KESC during the Month of May 2011										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-II	S.I.T.E Gas-I	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	0	142.4	68.4	84.61	85.5	84.61	199.7	1772.82	
Units sent out (GWh) - on oil	321	0	0	0	0	0	0	0	321	
Units sent out (GWh) - on Gas	212.49	0	31.45	0	57.71	0	59.43	106.85	467.93	
Total Units sent-out (GWh) (Oil+Gas)	533.49	0	31.45	0	57.71	0	59.43	106.85	788.930	
Units could be sent out at 100% plant's NET Capacity	824	0	106	51	63	64	63	149	1319	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	291	0	74	51	5	64	4	42	530	
Plant Utilization Factor (%)	64.74	#DIV/0!	29.69	0.00	91.68	0.00	94.41	71.92	59.81	
Plant Under Utilization Factor (%)	35.26	#DIV/0!	70.31	100.00	8.32	100.00	5.59	28.08	40.19	
Fuel Cost (Rupees Million)	891.153	0.000	170.116	0.000	215.875	0.000	222.312	383.322	1882.778	
Fuel Cost (Rs. / kWh)	4.194	#DIV/0!	5.409	#DIV/0!	3.741	#DIV/0!	3.741	3.587		
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	54.45	KESC Own	40.19			
Units Purchased (GWh)	72.137	76.061	148.198	NTDC	34.13	IPPs	18.63			
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	10.23	NTDC	2.27			
Units which could be purchased but not purchased (GWh)	17	17	34	Small	1.22	Fuel Share (%) in Generation of KESC from its own Power Plant				
Plant Utilization Factor (%)	81.14	81.59	81.37	Total	100.00	Gas	59.31	RFO		
Plant Under Utilization Factor (%)	18.86	18.41	18.63				40.69			
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
Actual Units Drawn in GWh	494.601	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t. to Maximum	102.27	BQPS-II commissioned during February 2012 while Steam Turbine commissioned in May 2012								
4 KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMC	DHA	Arood	Al-Abbas	ILL	Aggreko	Enpro	Total	
Units Purchased (GWh)	0.006	2.515	0	6.504	0	8.622	0	0	17.647	
Fuel Cost (Rupees Million)	0.057	22.616	0	67.073	0	32.197	0	0		
Fuel Cost (Rs. / kWh)	9.500	8.992	#DIV/0!	10.313	#DIV/0!	3.734	#DIV/0!	#DIV/0!	0.000	
5 Units Sent-out, Purchased and Sold out by KESC										
	in GWh		in %age		Power Purchases / Generated (Milli KWH)		Fuel Cost (Milli Rs.)		Fuel Cost RS / KWH	
KESC own units fed in its Distribution System	788.93	54.43	Cost of Oil based power Purchases / sent out		TAPAL		987.953		13.696	
KESC Purchased Units fed in its Distribution System	650	45.57			GUL AHMED		1072.328		14.098	
Total Units sold by KESC	1449	130.00			KESC Own		4823.430		15.026	

Electricity Sent-out and Purchased by KESC during the Month of April 2011										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	0	142.4	68.4	84.61	85.5	84.61	199.7	1772.82	
Units sent out (GWh) - on oil	304.114	0	0	0	0	0	0	0	304.114	
Units sent out (GWh) - on Gas	177.157	0	15.268	0	55.423	0	53.495	82.83	384.173	
Total Units sent-out (GWh) (Oil+Gas)	481.271	0	15.268	0	55.423	0	53.495	82.83	688.287	
Units could be sent out at 100% Plant's NET Capacity	757	0	103	49	61	62	61	144	1276	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	316	0	87	49	5	62	7	61	588	
Plant Utilization Factor (%)	60.35	#DIV/0!	14.89	0.00	90.98	0.00	87.81	57.61	53.92	
Plant Under Utilization Factor (%)	39.65	#DIV/0!	85.11	100.00	9.02	100.00	12.19	42.39	46.08	
Fuel Cost (Rupees Million)	742.97	0.00	82.60	0.00	207.34	0.00	200.12	297.15	1530.175	
Fuel Cost (Rs. / KWH)	4.194	#DIV/0!	5.410	#DIV/0!	3.741	#DIV/0!	3.741	3.587		
KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GWh) - Net	0.1195	0.1253	0.2448	KESC Own	52.00		KESC Own	46.08		
Units Purchased (GWh)	66.238	67.522	133.76	NTDC	36.73		IPPs	24.11		
Units can be purchased at 100% Plant Capacity (Net)	86	90	176	IPPs	10.11		NTDC	3.88		
Units which could be purchased but not purchased (GWh)	20	23	42	Small	1.16		Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	75.99	74.84	75.89	Total	100.00		Gas	55.82		44.18
Plant Under Utilization Factor (%)	23.01	25.16	24.11				RFO			
KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
Actual Units Drawn in GWh	486.150	220 MW KCCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	103.88	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	III	Aggreko	Engro	Total	
Units Purchased (GWh)	0	2.903	0	5.743	0	6.757	0	0	15.403	
Fuel Cost (Rupees Million)	0	18.508	0	58.47	0	25.234	0	0		
Fuel Cost (Rs. / KWH)	#DIV/0!	6.375	#DIV/0!	10.181	#DIV/0!	3.734	#DIV/0!	#DIV/0!		
Units Sent-out, Purchased and Sold out by KESC										
	In GWh	In %age		Cost of Oil based Power Purchases / sent out		Power Purchases / Generated (Mill KWH)	Fuel Cost (Mill Rs.)	Fuel Cost RS / KWH		
KESC own units fed in its Distribution System	688.287	52.00				66.238	866.038	13.076		
KESC Purchased Units fed in its Distribution System	635	48.00				67.522	913.602	13.530		
Total Units sold by KESC	1324	100.00				304.114	2777.552	9.133		

Electricity Sent-out and Purchased by KESC during the Month of February 2011										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1	Units Sent-out from KESC Own Generation									
	NET Plant Capacity (MW)	1107.6	0	142.4	68.4	84.61	85.5	199.7	1772.82	
	Units sent out (GWh) - on oil	107.712	0	0	0	0	0	0	107.712	
	Units sent out (GWh) - on Gas	124.472	0	0.347	0	44.394	0	69.44	261.294	
	Total Units sent-out (GWh) (Oil+Gas)	232.184	0	0.347	0	44.394	0	69.44	369.006	
	Units could be sent out at 100% Plant's "Net" Capacity	744	0	96	46	57	57	134	1191	
	Units that could have been sent out at 100% plant's NET Capacity but not sent-out	512	0	96	46	12	57	65	822	
	Plant Utilization Factor (%)	31.19	#DIV/0!	-0.36	0.00	78.08	0.00	51.74	30.97	
	Plant Under Utilization Factor (%)	68.81	#DIV/0!	100.36	100.00	21.92	100.00	48.26	69.03	
	Fuel Cost (Rupees Million)	522.026	0.000	-1.875	0.000	166.079	0.000	87.295	1022.636	
	Fuel Cost (Rs. / KWh)	4.194	#DIV/0!	5.403	#DIV/0!	3.741	#DIV/0!	3.741	3.587	
2	KESC Purchases from IPPs supplying power on Take or Pay basis									
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)		Share in Generation (%)		Un-Utilized Capacity (%)		
	Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	39.87	KESC Own	69.03		
	Units Purchased (GWh)	61.581	34.907	96.488	RTDC	47.68	RTDC	41.35		
	Units can be purchased at 100% Plant Capacity (Net)	80	84	165	IPPs	10.43	IPPs	1.02		
	Units which could be purchased but not purchased (GWh)	19	49	98	Small	2.02	Fuel Share (%) in Generation of KESC from its own Power Plant			
	Plant Utilization Factor (%)	76.68	41.46	58.65	Total	100.00	Gas	70.81	29.19	
	Plant Under Utilization Factor (%)	23.32	58.54	41.35			RFO			
3	KESC Purchases from NTDC GWh									
	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	436.8	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-I Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15							
	Actual Units Drawn in GWh	441.272	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.							
	Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	101.02	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.							
4	KESC Purchases from other generation companies on Take and Pay basis									
	KANUPP	PASMIC	OHA	Atand	Al-Abbas	HL	Aggreko	Engro	Total	
	Units Purchased (GWh)	0	4.426	0	6.223	0	8.005	0	18.654	
	Fuel Cost (Rupees Million)	0	31.665	0	54.323	0	29.931	0.271	0	
	Fuel Cost (Rs. / KWh)	#DIV/0!	7.154	#DIV/0!	8.729	#DIV/0!	3.739	#DIV/0!	#DIV/0!	
5	Units Sent-out, Purchased and Sold out by KESC									
	in GWh		in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWh)		Fuel Cost Rs / KWh	
	KESC				TAPAL		GUL AHMED			
	KESC own units fed in its Distribution System		369.006		39.87		667.981		10.847	
	KESC Purchased Units fed in its Distribution System		556		60.13		390.782		11.195	
	Total Units sold by KESC		925		100.30		1411.953		13.109	

Electricity Sent-out and Purchased by KESC during the Month of January 2011										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
1	NET Plant Capacity (MW)	1107.6	0	342.4	68.4	84.61	85.5	84.61	195.7	1772.82
	Units sent out (GWh) - on oil	84.29	0	0	0	0	0	0	0	84.29
	Units sent out (GWh) - on Gas	136.31	0	-0.334	0	39.41	0	15.95	75.56	266.896
	Total Units sent out (GWh) (Oil+Gas)	220.6	0	-0.334	0	39.41	0	15.95	75.56	351.186
	Units could be sent out at 100% Plant's NET Capacity	824	0	106	51	63	64	149	149	1319
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	603	0	106	51	24	64	47	73	968
	Plant Utilization Factor (%)	26.77	#DIV/0!	-0.32	0.00	62.61	0.00	25.34	50.86	26.63
	Plant Under Utilization Factor (%)	73.23	#DIV/0!	100.32	100.00	37.39	100.00	74.66	49.14	73.37
	Fuel Cost (Rupees Million)	571.660	0.000	-1.805	0.000	147.451	0.000	59.670	271.053	1048.029
	Fuel Cost (Rs / KWh)	4.194	#DIV/0!	5.404	#DIV/0!	3.741	#DIV/0!	3.741	3.587	
KESC Purchases from IPPs supplying power on Take or Pay basis										
2	TAPAL		Gul Ahmed	Total IPPs						
	Plant Capacity (GW) - Net	0.1195	0.1253	0.2468		KESC Own	37.36		KESC Own	23.37
	Units Purchased (GWh)	55.349	45.866	101.215		NTDC	49.82		IPPs	44.43
	Units can be purchased at 100% Plant Capacity (Net)	89	93	181		IPPs	20.77		NTDC	3.20
	Units which could be purchased but not purchased (GWh)	34	47	81		Small	2.06		Fuel Share (%) in Generation of KESC from its own Power Plant	
	Plant Utilization Factor (%)	62.25	49.20	55.57		Total	100.00		Gas	76.00
	Plant Under Utilization Factor (%)	37.75	50.80	44.43					RFO	24.00
KESC Purchases from NTDC GWh										
3	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468.144								
	Actual Units Drawn in GWh	96.80								
	Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable Unit									
KESC Purchases from other generation companies on Take and Pay basis										
4	KANUPP		PASMC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total
	Units Purchased (GWh)	0	6.712	0	6.122	0	6.505	0	0	19.339
	Fuel Cost (Rupees Million)	0	44.425	0	50.37	0	24.292	5.99	0	
	Fuel Cost (Rs / KWh)	#DIV/0!	6.619	#DIV/0!	8.228	#DIV/0!	3.734	#DIV/0!	#DIV/0!	0
Units Sent-out, Purchased and Sold out by KESC										
5	KESC		in GWh	in %age		Cost of Oil based Power Purchases / sent out	Power Purchases / Generated (Mio. KWh)	Fuel Cost (Milli Rs.)	Fuel Cost RS / KWh	
	KESC own units fed in its Distribution System	391.186	37.36			TAPAL	55.349	571.084	10.318	
	KESC purchased Units fed in its Distribution System	589	62.64			GUL AHMED	45.866	488.973	10.661	
	Total Units sold on KESC	980	100.00			KESC Own	84.290	1625.823	12.170	

Electricity Sent-out and Purchased by KESC during the Month of December 2010												
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC			
Units Sent-out from KESC Own Generation												
1												
NET Plant Capacity (MW)	1107.6	0	142.4	68.4	84.61	85.5	84.61	159.7	1772.82			
Units sent out (GWh) - on oil	101.44	0	0	0	0	0	0	0	101.44			
Units sent out (GWh) - on Gas	99.65	0	-0.336	0	47.85	0	41.04	74.76	262.964			
Total Units sent-out (GWh) (Oil+Gas)	201.09	0	-0.336	0	47.85	0	41.04	74.76	364.404			
Units that could be sent out at 100% Plant's NET Capacity	824	0	106	51	63	64	63	149	1319			
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	623	0	106	51	15	64	22	74	955			
Plant Utilization Factor (%)	24.40	#DIV/0!	-0.32	0.00	76.01	0.00	65.19	50.32	27.63			
Plant Under Utilization Factor (%)	75.60	#DIV/0!	100.32	100.00	23.99	100.00	34.81	49.68	72.37			
Fuel Cost (Rupees Million)	417.93	0.00	-1.82	0.00	179.02	0.00	153.55	268.19	1016.877			
Fuel Cost (Rs. / KWH)	4.194	#DIV/0!	5.405	#DIV/0!	3.741	#DIV/0!	3.741	3.587	3.867			
KESC Purchases from IPPs supplying power on Take or Pay basis												
2												
Share in Generation (%)												
TAPAL		Gul Ahmed	Total IPPs				KESC Own				Un-Utilized Capacity (%)	
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448				NTDC				KESC Own	72.37
Units Purchased (GWh)	54.082	42.504	96.591				IPP's				IPP's	46.97
Units can be purchased at 100% Plant Capacity (Net)	89	93	162				Small				NTDC	4.22
Units which could be purchased but not purchased (GWh)	35	51	86				Total				Fuel Share (%) in Generation of KESC from its own Power Plant	
Plant Utilization Factor (%)	60.83	45.60	53.03								Gas	72.16
Plant Under Utilization Factor (%)	39.17	54.40	46.97								RFO	27.84
KESC Purchases from NTDC GWh												
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15										
Actual Units Drawn in GWh	463.209	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.										
Unit drawn from NTDC System (% age) w.r.t to Maximum Allowable limit	95.78	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.										
KESC Purchases from other generation companies on Take and Pay basis												
4												
Units Purchased (GWh)	KANUPP	PASMIC	DHA	Anand	Al Abbas	ILC	Aggreko	Engro	Total			
Fuel Cost (Rupees Million)	0	7.927	0	5.961	1.962	9.595	0	0	25.445			
Fuel Cost (Rs. / KWH)	#DIV/0!	38.344	0	47.083	15.83	35.86	0.046	#DIV/0!				
Units Sent-out, Purchased and Sold out by KESC	#DIV/0!	in %age	in %age	Cost of Oil based Power purchases / sent out		Power Purchases / Generated (Milli KWH)	Fuel Cost (Milli Rs.)	Fuel Cost RS / KWH				
KESC own units fed in its Distribution System	364.404	38.37				54.082	543.262	10.046				
KESC Purchased Units fed in its Distribution System	585	61.63				42.504	442.609	10.412				
Total Units sold by KESC	950	100.00				101.440	1199.596	11.822				

Electricity Sent-out and Purchased by KESC during the Month of November 2010										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
Units Sent-out from KESC Own Generation										
1										
NET Plant Capacity (MW)	1107.6	0	142.4	68.4	84.61	85.5	84.61	199.7	1772.82	
Units sent out (GWh) - on oil	94.745	0	0	0	0	0	0	0	94.745	
Units sent out (GWh) - on Gas	184.577	0	7.456	0	58.981	0	50.859	83.645	385.518	
Total Units sent-out (GWh) (Oil+Gas)	279.322	0	7.456	0	58.981	0	50.859	83.645	480.263	
Units could be sent out at 100% Plant's NET Capacity	797	0	103	49	61	62	61	144	1276	
Units that could have been sent out at 100% Plant's NET Capacity but not sent out	518	0	95	49	2	62	10	60	796	
Plant Utilization Factor (%)	35.03	#DIV/0!	7.27	0.00	96.82	0.00	83.49	58.17	37.63	
Plant Under Utilization Factor (%)	64.97	#DIV/0!	92.73	100.00	3.18	100.00	16.51	41.83	62.37	
Fuel Cost (Rupees Million)	774.091	0.000	40.336	0.000	220.848	0.000	190.264	300.070	1525.609	
Fuel Cost (Rs. / KWH)	4.184	#DIV/0!	5.410	#DIV/0!	3.744	#DIV/0!	3.741	3.587		
KESC Purchases from IPPs supplying power on Take or Pay basis										
2										
TAPAL		Gul Ahmed	Total IPPs							
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448							
Units Purchased (GWh)	51.148	51.429	102.577							
Units can be purchased at 100% Plant Capacity (Net)	86	90	176							
Units which could be purchased but not purchased (GWh)	35	39	74							
Plant Utilization Factor (%)	59.45	57.01	58.20							
Plant Under Utilization Factor (%)	40.55	42.99	41.80							
KESC Purchases from NTDC GWh										
3										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468									
Actual Units Drawn in GWh	433.030									
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	92.53									
KESC Purchases from other generation companies on Take and Pay basis										
4										
Units Purchased (GWh)	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total	
Fuel Cost (Rupees Million)	30.84	8.8357	0	6.805	8.64	8.6932	21.1528	0	84.9667	
Fuel Cost (Rs. / KWH)	163.303	46.793	0	51.961	69.725	32.45	91.043	0		
Units Sent-out, Purchased and Sold out by KESC	5.295	5.296	#DIV/0!	7.636	8.070	3.733	4.304	#DIV/0!		
KESC own units fed in its Distribution System	480.263	43.63		Cost of Oil based Power Purchases / sent out		power Purchases / Generated (Mini KWH)	Fuel Cost (Mill Rs.)	Fuel Cost RS / KWH		
KESC Purchased Units fed in its Distribution System	621	56.37			TAPAL	51.148	489.296	9.566		
Total Units sold by KESC	1101	100.00			GULAHMED	51.429	508.908	9.895		
					KESC Own	94.745	771.553	8.143		

Electricity Sent-out and Purchased by KESC during the Month of October 2010										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-II	S.I.T.E Gas-I	220 MW KCPP	Total KESC	
1	Units Sent-out from KESC Own Generation									
	NET Plant Capacity (MW)	1107.6	0	142.4	68.4	84.61	85.5	199.7	1772.82	
	Units sent out (GWh) - on oil	218.58	0	0	0	0	0	0	218.58	
	Units sent out (GWh) - on Gas	172.2	0	33.9	0	61.65	0	45.9	426.39	
	Total Units sent-out (GWh) (Oil+Gas)	390.78	0	33.9	0	61.65	0	45.9	644.970	
	Units could be sent out at 100% Plant's NET Capacity	824	0	106	51	63	64	149	1319	
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	433	0	72	51	1	64	17	674	
	Plant Utilization Factor (%)	47.42	#DIV/0!	32.00	0.00	97.94	0.00	72.92	48.90	
	Plant Under Utilization Factor (%)	52.58	#DIV/0!	68.00	100.00	2.06	100.00	27.08	51.10	
	Fuel Cost (Rupees Million)	722.17	0.00	183.39	0.00	230.65	0.00	404.43	1721.389	
	Fuel Cost (Rs / KWh)	4.194	#DIV/0!	5.410	#DIV/0!	3.741	#DIV/0!	3.938	3.587	
2	KESC Purchases from IPPs supplying power on Take or Pay basis									
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)		Un-Utilized Capacity (%)				
	Plant Capacity (GWh) - Net	0.1195	0.1253	KESC Own		KESC Own		KESC Own		
	Units Purchased (GWh)	75.67	82.54	NTDC		34.31		13.13		
	Units can be purchased at 100% Plant Capacity (Net)	89	93	IPPs		11.51		2.51		
	Units which could be purchased but not purchased (GWh)	13	11	Small		7.23		Fuel Share (%) in Generation of KESC from its own Power Plant		
	Plant Utilization Factor (%)	85.11	88.54	Total		100.00		Gas		
	Plant Under Utilization Factor (%)	14.89	11.46					RFO		
3	KESC Purchases from NTDC GWh									
	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15							
	Actual Units Drawn in GWh	471.460	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.							
	Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	97.49	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.							
4	KESC Purchases from other generation companies on Take and Pay basis									
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	HL	Aggreko	Engro	Total	
	Units Purchased (GWh)	36.8	7.39	0	6.34	9.28	9.82	29.75	0	99.39
	Fuel Cost (Rupees Million)	254.919	51.195	0	46.708	76.769	36.787	125.932	0	
	Fuel Cost (Rs / KWh)	6.927	6.928	#DIV/0!	7.367	8.273	3.742	4.233	#DIV/0!	
5	Units Sent-out, Purchased and Sold out by KESC									
		in GWh	in %age		Cost of Oil based Power Purchases /sent out		Power Purchases / Generated (Mill KWh)		Fuel Cost RS. / KWh	
	KESC Own Units fed into Distribution System	544.97	46.94					75.670	691.958	9.144
	KESC Purchased Units fed into Distribution System	720	53.06					82.540	782.132	9.476
	Total Units sold by KESC	1374	100.00					218.580	2371.248	10.848

Electricity Sent-out and Purchased by KESC during the Month of September 2010										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	0	142.4	68.4	84.61	85.5	84.61	199.7	1772.82	
Units sent out (GWh) - on oil	166.85	0	0	0	0	0	0	0	166.85	
Units sent out (GWh) - on Gas	233.48	0	35.58	0	59.27	0	58	120.28	506.61	
Total Units sent-out (GWh) (Oil+Gas)	400.33	0	35.58	0	59.27	0	58	120.28	673.460	
Units could be sent out at 100% Plant's NET Capacity	797	0	103	49	61	62	61	144	1276	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	397	0	67	49	2	62	3	24	603	
Plant Utilization Factor (%)	50.20	#DIV/0!	34.70	0.00	97.29	0.00	95.21	83.65	52.76	
Plant Under Utilization Factor (%)	49.80	#DIV/0!	65.30	100.00	2.71	100.00	4.79	16.35	47.24	
Fuel Cost (Rupees Million)	979.19	0.00	192.49	0.00	221.72	0.00	228.38	431.49	2053.272	
Fuel Cost (Rs. / KWH)	4.194	#DIV/0!	5.410	#DIV/0!	3.741	#DIV/0!	3.938	3.587	4.053	
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	45.80	KESC Own	47.24	IPP's	30.64	
Units Purchased (GWh)	61.04	61.21	122.25	NTDC	32.15	NTDC	7.08	KESC from its own Power Plant		
Units can be purchased at 100% Plant's Capacity (Net)	86	90	176	IPP's	9.04					
Units which could be purchased but not purchased (GWh)	25	29	54	Small	9.01					
Plant Utilization Factor (%)	70.94	67.85	69.36	Total	100.00			Gas	75.22	24.78
Plant Under Utilization Factor (%)	29.06	32.15	30.64							
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15 Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
Actual Units Drawn in GWh	434.860	220 MW KCPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	92.92	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
4 KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total	
Units Purchased (GWh)	53.465	8.3336	0	6.202	8.7261	9.8984	35.24	0	121.8651	
Fuel Cost (Rupees Million)	336.249	52.411	0	44.871	73.125	36.98	155.328	0		
Fuel Cost (Rs. / KWH)	6.289	6.289	#DIV/0!	7.235	8.380	3.736	4.408	#DIV/0!		
5 Units Sent-out, Purchased and Sold out by KESC										
	in GWh		in %age		Cost of Oil based Power Purchases / sent out		Power Purchases / Generated (Mill KWH)		Fuel Cost (Mill Rs.)	
KESC own units fed in its Distribution System	673.46	49.80					61.040	562.306	9.212	
KESC Purchase Units fed in its Distribution System	679	50.20					61.210	577.092	9.428	
Total Units sold by KESC	1352	100.00					166.850	1789.678	10.692	

Electricity Sent-out and Purchased by KESC during the Month of August 2010										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-II	S.I.T.E Gas-I	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	0	142.4	58.4	84.61	85.5	84.61	199.7	1772.82	
Units sent out (GWh) - on oil	193.68	0	0	0	0	0	0	0	193.68	
Units sent out (GWh) - on Gas	276.31	0	38.69	0	61.44	0	60.77	122.57	559.78	
Total Units sent-out (GWh) (Oil+ Gas)	469.99	0	38.69	0	61.44	0	60.77	122.57	753.460	
Units could be sent out at 100% Plant's NET Capacity	824	0	106	51	63	64	63	149	1319	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	354	0	67	51	2	64	2	26	566	
Plant Utilization Factor (%)	57.03	#DIV/0!	36.52	0.00	57.60	0.00	96.54	82.50	57.12	
Plant Under Utilization Factor (%)	42.97	#DIV/0!	63.48	100.00	2.40	100.00	3.46	17.50	42.88	
Fuel Cost (Rupees Million)	1158.81	0.00	209.31	0.00	229.86	0.00	239.31	439.70	2276.982	
Fuel Cost (Rs. / KWH)	4.194	#DIV/0!	5.410	#DIV/0!	3.741	#DIV/0!	3.938	3.587		
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own	52.40		KESC Own	42.86		
Units Purchased (GWh)	67.08	71.4	138.48	NTDC	30.04		IPPs	23.97		
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs	9.63		NTDC	10.66		
Units which could be purchased but not purchased (GWh)	22	22	44	Small	7.93		Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	75.45	76.59	76.03	Total	100.00		Gas	74.29		
Plant Under Utilization Factor (%)	24.55	23.41	23.97				RFO	25.71		
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Similarly Site Gas-II Power Plant commissioned during July 2009 to December 2009 but License modified on 12.03.15								
Actual Units Drawn in GWh	432.030	220 MW KECPP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.								
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	89.34	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.								
4 KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	DHA	Anand	Al-Abbas	IIL	Aggreko	Engro	Total	
Units Purchased (GWh)	44.739	8.059	0.000	6.509	7.983	9.513	36.128	1.081	114.011	
Fuel Cost (Rupees Million)	278.762	50.217	0.000	47.621	66.896	35.579	158.161	3.515		
Fuel Cost (Rs. / KWH)	6.231	6.231	#DIV/0!	7.317	8.380	3.740	4.378	3.252		
5 Units Sent-out, Purchased and Sold out by KESC										
	in GWh		in %age		Cost of Oil Based Power Purchases / sent out		Power Purchases / Generated (Mill. KWH)		Fuel Cost (RS. / KWH)	
KESC own units fed in its Distribution System	753.46		52.40		TAPAL		67.080		9.147	
KESC Purchased Units fed in its Distribution System	685		47.60		GUL AHMED		71.400		9.481	
Total Units sold by KESC	1438		100.00		KESC Own		193.680		10.836	

Electricity Sent-out and Purchased by KESC during the Month of July 2010									
	BQPS-I	BQPS-II	KTPS	KGTPS	Korangi Gas - II	SGTPS	S.I.T.E Gas - II	220 MW KCPP	Total KESC
1 Units Sent-out from KESC Own Generation									
NET Plant Capacity (MW)	1107.6	0	142.4	68.4	84.61	85.5	84.61	199.7	1772.82
Units sent out (GWh) - on oil	354.74	0	0	0	0	0	0	0	354.74
Units sent out (GWh) - on Gas	306.56	0	40.3	0	61.31	0	60.61	112.02	580.8
Total Units sent-out (GWh) (Oil-Gas)	661.3	0	40.3	0	61.31	0	60.61	112.02	935.540
Units could be sent out at 100% Plant's NET Capacity	824	0	106	51	63	64	63	149	1319
Units that could have been sent out at 100% Plant's NET Capacity but not sent out	163	0	66	51	2	64	2	37	383
Plant Utilization Factor (%)	80.25	#DIV/0!	38.04	0.00	97.40	0.00	56.28	75.40	70.93
Plant Under Utilization Factor (%)	19.75	#DIV/0!	61.96	100.00	2.60	100.00	3.72	24.60	29.07
Fuel Cost (Rupees Million)	1285.66	0.00	218.02	0.00	229.35	0.00	238.69	401.86	2373.581
Fuel Cost (Rs. / KWH)	4.194	#DIV/0!	5.410	#DIV/0!	3.741	#DIV/0!	3.938	3.587	
2 KESC Purchases from IPPs supplying power on Take or Pay basis									
	TAPAL		Gul Ahmed	Total IPPs	Share in Generation (%)		Un-Utilized Capacity (%)		
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448		KESC Own	62.10	KESC Own	29.07	
Units Purchased (GWh)	81.61	81.28	162.89		NTDC	22.15	IPP's	10.56	
Units can be purchased at 100% Plant Capacity (Net)	89	93	182		IPP's	10.81	NTDC	31.00	
Units which could be purchased but not purchased (GWh)	7	12	19		Small	4.94	Fuel Share (%) in Generation of KESC from its own Power Plant		
Plant Utilization Factor (%)	91.79	87.19	89.44		Total	100.00	Gas	62.08	
Plant Under Utilization Factor (%)	8.21	12.81	10.56				RFO	37.92	
3 KESC Purchases from NTDC GWh									
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Korangi Gas-II Power Plant commissioned during August 2009 to December 2009 but license modified on 12.03.15. Simlariy Site Gas-II Power Plant commissioned during July 2009 to December 2009 but license modified on 12.03.15							
Actual Units Drawn in GWh	333.660	220 MW KCCBP Power Plant commissioned during November 2008 to March 2009. First Steam Turbine commissioned in September 2009 while second Steam Turbine commissioned in 2015.							
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	69.00	BQPS-II commissioned during February 2012 While Steam Turbine commissioned in May 2012.							
4 KESC Purchases from other generation companies on Take and Pay basis									
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total
Units Purchased (GWh)	11.4713	4.4584	0	7.097	6.5471	10.37	34.51	0	74.4438
Fuel Cost (Rupees Million)	65.317	25.386	0	51.057	46.066	38.819	152.915	0	
Fuel Cost (Rs. / KWH)	5.694	5.694	#DIV/0!	7.194	7.036	3.743	4.432	#DIV/0!	
5 Units Sent-out, Purchased and Sold out by KESC (GWh)									
	In GWh		in %age		Power Purchases / Generated (Mill KWH)		Fuel Cost (RS / KWH)		
KESC own units fed in its Distribution System	935.54	62.10			TAPAL	81.610	723.232	8.862	
KESC Purchased Units fed in its Distribution System	570.99	37.90			GUL AHMED	81.280	742.429	9.134	
Total units sold by KESC	1507	100.00			KESC Own	352.740	2672.942	7.532	

Electricity Sent-out and Purchased by KESC during the Month of June 2010										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas - II	S.I.T.E Gas-I	S.I.T.E Gas - II	220 MW KCPP	Total KESC	
1	Units Sent-out from KESC Own Generation									
	NET Plant Capacity (MW)	1107.6	0	142.4	58.4	42.3	85.5	84.61	159.7	1730.51
	Units sent out (GWh) - on oil	312.182	0	0	0	0	0	0	0	312.182
	Units sent out (GWh) - on Gas	297.753	0	39.008	0	58.209	0	58.625	99.814	553.409
	Total Units sent-out (GWh) (Oil+Gas)	609.935	0	39.008	0	58.209	0	58.625	99.814	865.591
	Units could be sent out at 100% Plant's NET Capacity	797	0	103	49	30	62	61	144	1246
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	188	0	64	49	28	62	2	44	380
	Plant Utilization Factor (%)	76.48	#DIV/0!	38.05	0.00	191.12	0.00	96.23	69.42	69.47
	Plant Under Utilization Factor (%)	23.52	#DIV/0!	61.95	100.00	-91.12	100.00	3.77	30.58	30.53
	Fuel Cost (Rupees Million)	1248.736		211.029	0.000	217.761	0.000	230.858	358.077	2266.461
	Fuel Cost (Rs./KWH)	4.194	#DIV/0!	5.410	#DIV/0!	3.741	#DIV/0!	3.938	3.587	
2	KESC Purchases from IPPs supplying power on Take or Pay basis									
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
	Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own		59.90	KESC Own		30.53
	Units Purchased (GWh)	74.82	81.41	156.23	NTDC		21.86	IPPs		11.36
	Units can be purchased at 100% Plant Capacity (Net)	86	90	176	IPPs		10.81	NTDC		32.49
	Units which could be purchased but not purchased (GWh)	11	9	20	Small		7.43	Fuel Share (%) in Generation of KESC from its own Power Plant		
	Plant Utilization Factor (%)	86.96	90.24	88.64	Total		100.00	Gas		63.93
	Plant Under Utilization Factor (%)	13.04	9.76	11.36				RFO		36.07
3	KESC Purchases from NTDC GWh									
	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468								
	Actual Units Drawn in GWh	315.970								
	Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	67.51								
4	KESC Purchases from other generation companies on Take and Pay basis									
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	HL	Aggreko	Engro	Total	
	Units Purchased (GWh)	47.150	4.550	0.000	6.088	7.834	8.170	33.470	0.051	107.3224
	Fuel Cost (Rupees Million)	259.965	25.107	0.000	44.470	55.123	30.567	145.117	0.168	
	Fuel Cost (Rs./KWH)	5.512	5.518	#DIV/0!	7.305	7.036	3.741	4.336	3.320	
5	Units Sent-out, Purchased and Sold out by KESC									
	KESC own units fed in its Distribution System	865.591	59.90	Cost of Oil based Power Purchases / sent out			Power Purchases / Generate (Mill Rs.)			
	KESC Purchased Units fed in its Distribution System	580	40.10	TAPAL		74.820	674.021	9.009		
	Total Units sold by KESC	1445	100.00	GUL AHMED		81.410	746.448	9.169		
	Net Capacities as mentioned in Generation License & subsequent modifications			KESC Own		312.182	2247.185	7.198		

Electricity Sent-out and Purchased by KESC during the Month of May 2010													
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC				
Units Sent-out from KESC Own Generation													
1	NET Plant Capacity (MW)	107.6	0	142.4	68.4	42.3	85.5	84.61	199.7	1730.51			
	Units sent out (GWh) - on oil	304.165	0	0	0	0	0	0	0	304.165			
	Units sent out (GWh) - on Gas	290.331	0	22.661	0	46.006	0	61.132	108.222	528.352			
	Total Units sent-out (GWh) (Oil+Gas)	594.496	0	22.661	0	46.006	0	61.132	108.222	832.517			
	Units could be sent out at 100% Plant's NET Capacity	824	0	306	51	31	64	63	149	1287			
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	230	0	83	51	15	64	2	40	455			
	Plant Utilization Factor (%)	72.14	#DIV/0!	21.39	0.00	146.18	0.00	97.11	72.84	64.66			
	Plant Under Utilization Factor (%)	27.86	#DIV/0!	78.61	100.00	46.18	100.00	2.89	27.16	35.34			
	Fuel Cost (Rupees Million)	1217.650	0.000	172.594	0.000	172.110	0.000	240.732	388.238	2191.324			
	Fuel Cost (Rs./kWh)	4.194	0.000	5.410	6.710	3.741	0.000	3.938	3.587				
KESC Purchases from IPPs supplying power on Take or Pay basis													
2	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)									
	Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own								
	Units Purchased (GWh)	83.89	75.67	159.56	NTDC								
	Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs								
	Units which could be purchased but not purchased (GWh)	5	18	23	Small								
	Plant Utilization Factor (%)	94.36	81.17	87.61	Total								
	Plant Under Utilization Factor (%)	5.64	18.83	12.39	KESC Own								
KESC Purchases from NTDC GWh													
3	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6	Un-Utilized Capacity (%)										
	Actual Units Drawn in GWh	392.730	IPPs										
	Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	81.21	NTDC										
			Fuel Share (%) in Generation of KESC										
			from its own Power Plant										
			Gas										
			RFO										
			63.46										
			36.54										
KESC Purchases from other generation companies on Take and Pay basis													
4	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	III	Aggreko		Engro		Total		
	Units Purchased (GWh)	56.570	7.100	0.000	5.700	8.870	35.740		6.000		122.38		
	Fuel Cost (Rupees Million)	324.76	40.767	0	44.235	60.957	153.793		0				
	Fuel Cost (Rs./kWh)	5.741	5.742	#DIV/0!	7.761	6.872	3.738		#DIV/0!				
Units Sent-out, Purchased and Sold out by KESC													
5	KESC own units fed into Distribution System	832.517	55.24	Cost of Oil based Power purchases /sent out		Power Purchases / Generated (Milli KWh)		Fuel Cost (Milli Rs.)		Fuel Cost RS / KWH			
	KESC Purchased Units fed into its Distribution System	675	44.76	TAPAL		83.890		818.997		9.763			
	Total Units sold by KESC	1507	100.00	GUL AHMED KESC Own		304.165		2418.656		7.952			

Ver Capacities as mentioned in General License & subsequent modifications

Electricity Sent-out and Purchased by KESC during the Month of April 2010										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1	Units Sent-out from KESC Own Generation									
	NET Plant Capacity (MW)	1107.6	0	142.4	68.4	42.3	85.5	84.61	199.7	1730.51
	Units sent out (GWh) - on oil	110.268	0	0	0	0	0	0	0	110.268
	Units sent out (GWh) - on Gas	321.615	0	-0.085	-0.001	31.969	0	46.588	101.867	501.953
	Total Units sent-out (GWh) (Oil+Gas)	431.883	0	-0.085	-0.001	31.969	0	46.588	101.867	612.221
	Units could be sent out at 100% Plant's NET Capacity	797	0	103	45	30	62	61	144	1246
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	366	0	103	49	2	62	14	42	634
	Plant Utilization Factor (%)	54.16	#DIV/0!	-0.08	0.00	104.97	0.00	76.48	70.85	49.14
	Plant Under Utilization Factor (%)	45.84	#DIV/0!	100.08	100.00	-4.97	100.00	23.52	29.15	50.86
	Fuel Cost (Rupees Million)	1348.808	0.000	-0.458	-0.003	119.594	0.000	183.460	365.442	2016.843
	Fuel Cost (Rs./KWH)	4.194	0.000	5.410	6.710	3.741	0.000	3.938	3.587	
2	KESC Purchases from IPPs supplying power on Take or Pay basis									
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
	Plant Capacity (GW) - Net	0.1195	0.1153	KESC Own	45.43	KESC Own		IPPs	23.36	50.86
	Units Purchased (GWh)	68.51	66.57	NTDC	32.22	IPPs		NTDC	7.19	
	Units can be purchased at 100% Plant Capacity (Net)	86	90	Small	10.02	Fuel Share (%) in Generation of KESC from its own Power Plant				
	Units which could be purchased but not purchased (GWh)	18	24	Total	12.31	Gas		81.99		18.01
	Plant Utilization Factor (%)	79.62	73.79		100.00	RFO				
	Plant Under Utilization Factor (%)	20.38	26.21							
3	KESC Purchases from NTDC GWh									
	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468								
	Actual Units Drawn in GWh	434.370								
	Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	92.81								
4	KESC Purchases from other generation companies on Take and Pay basis									
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	III	Aggreko	Engro	Total	
	Units Purchased (GWh)	56.494	8.951	47.33	2.25	6.62	8.86	35.32	0	165.825
	Fuel Cost (Rupees Million)	323.5240	50.7840	132.2570	15.7720	50.5610	33.1130	150.3710	0.0000	
	Fuel Cost (Rs./KWH)	5.727	5.674	2.794	8.787	7.638	3.737	4.257	#DIV/0!	0.00
5	Units Sent-out, Purchased and Sold out by KESC									
	KESC own units fed in its Distribution System	612.221	45.43	Cost of Oil based Power Purchases / (Mill KWh)		Power Purchases / Generated (Mill KWh)	Fuel Cost (Mill Rs.)	Fuel Cost RS / KWH		
	KESC Purchased Units fed in its Distribution System	735	54.57	TAPAL	58.51	645.085	645.085	9.416		
	Total Units sold by KESC	1347	100.00	GUL Ahmed	66.57	645.571	645.571	9.683		
				KESC Own	110.27	1228.510	1228.510	11.141		

Net Capacities as mentioned in Generation License & subsequent modifications

Electricity Sent-out and Purchased by KESC during the Month of March 2010										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1	Units Sent-out from KESC Own Generation									
	NET Plant Capacity (MW)	1107.6	0	142.4	58.4	42.3	85.5	199.7	1730.51	
	Units sent out (GWh) - on oil	126.101	0	0	0	0	0	0	126.101	
	Units sent out (GWh) - on Gas	222.625	0	-0.354	0.004	58.926	0	109.646	415.103	
	Total Units sent out (GWh) (Oil+Gas)	348.726	0	-0.354	0.004	58.926	0	109.646	541.204	
	Units could be sent out at 100% Plant's NET Capacity	824	0	106	51	31	64	149	1287	
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	475	0	106	51	-27	64	39	746	
	Plant Utilization Factor (%)	42.32	#DIV/0!	-0.33	0.01	187.24	0.00	73.80	42.04	
	Plant Under Utilization Factor (%)	57.68	#DIV/0!	100.33	99.99	-87.24	100.00	26.20	57.96	
	Fuel Cost (Rupees Million)	933.661	0.000	-1.914	0.021	220.442	0.000	393.346	1641.075	
	Fuel Cost (Rs./KWH)	4.194		5.410	6.710	3.741		3.938		
2	KESC Purchases from IPPs supplying power on Take or Pay basis									
	TAPAL		Gul Ahmed	Total IPPs						
	Plant Capacity (GW) - Net	0.1195	0.1253	0.2448						
	Units Purchased (GWh)	75.29	63.77	139.06						
	Units can be purchased at 100% Plant Capacity (Net)	89	93	182						
	Units which could be purchased but not purchased (GWh)	14	29	43						
	Plant Utilization Factor (%)	84.68	68.41	76.35						
	Plant Under Utilization Factor (%)	15.32	31.59	23.65						
3	KESC Purchases from NTDC GWh									
	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6								
	Actual Units Drawn in GWh	469.9								
	Unit drawn from NTDC System (% age w.r.t. to Maximum Allowable limit)	97.16								
4	KESC Purchases from other generation companies on Take and Pay basis									
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	IL	Aggreko	Engro	Total	
	Units Purchased (GWh)	40.59	8.84	41.989	0	12.4	11.217	5.97	121.006	
	Fuel Cost (Rupees Million)	234.180	50.982	117.342	0.000	49.187	50.884	20.120		
	Fuel Cost (Rs./KWH)	5.769	5.767	2.795	#DIV/0!	3.967	4.536	3.370	0.00	
5	Units Sent-out, Purchased and Sold out by KESC									
	In GWh	In %age		Cost of Oil based Power Purchases / sent out		Power Purchases / Generated (Mill KWH)	Fuel Cost (Mill Rs.)	Fuel Cost RS / KWH		
	KESC own units fed in its Distribution System	541.204	42.58			75.290	720.464	9.569		
	KESC Purchased Units fed in its Distribution System	730	57.42			63.770	625.278	9.805		
	Total Units sold by KESC	1271	100.00			126.101	1287.312	10.209		

Not Capacities as mentioned in Generation License & subsequent modifications

Electricity Sent-out and Purchased by KESC during the Month of February 2010													
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC				
1	Units Sent-out from KESC Own Generation												
	NET Plant Capacity (MW)	1107.6	0	142.4	68.4	42.3	85.5	139.7	1730.51				
	Units sent out (GWh) - on oil	110	0	0	0	0	0	0	110				
	Units sent out (GWh) - on Gas	299	0	50	8	0	0	45	402				
	Total Units sent-out (GWh) (Oil+Gas)	409	0	50	8	0	0	45	512				
	Units could be sent out at 100% Plant's Net Capacity	744	0	96	46	28	57	134	1163				
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	335	0	46	38	28	57	89	651				
	Plant Utilization Factor (%)	54.95	#DIV/0!	52.25	17.40	0.00	0.00	33.53	44.03				
	Plant Under Utilization Factor (%)	45.05	#DIV/0!	47.75	82.60	100.00	100.00	66.47	55.97				
	Fuel Cost (Rupees Million)												
	Fuel Cost (Rs./KWH)												
2	KESC Purchases from IPPs supplying power on Take or Pay basis												
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)				Un-Utilized Capacity (%)					
	Plant Capacity (GW) - Net	0.1195	0.1253	KESC Own	NTDC	PPPs	45.08	KESC Own	PPPs	NTDC	55.97		
	Units Purchased (GWh)	25.23	47.35	NTDC	PPPs	Small	37.28	NTDC	PPPs	Small	71.22		
	Units Can be purchased at 100% Plant Capacity (Net)	80	165	PPPs	Small	Total	4.54	PPPs	Small	Total	10.98		
	Units which could be purchased but not purchased (GWh)	55	117	Small	Total		9.10	Fuel Share (%) in Generation of KESC from its own Power Plant	Gas	RFO	21.48		
	Plant Utilization Factor (%)	31.42	26.27				100.00						
	Plant Under Utilization Factor (%)	68.58	73.73										
3	KESC Purchases from NTDC GWh												
	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	436.8											
	Actual Units Drawn in GWh	388.9											
	Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	89.02											
4	KESC Purchases from other generation companies on Take and Pay basis												
	KANUPP	PASMIC	DHA	Anand	Al-Abbas	HL	Aggreko	Engro	Total				
	Units Purchased (GWh)	53.49	8.54	16.72	0.11	0	10.09	5.41	94.92				
	Fuel Cost (Rupees Million)												
	Fuel Cost (Rs./KWH)												
5	Units Sent-out, Purchased and Sold out by KESC												
	in GWh	in %age	Cost of Oil based Power Purchases / sent out				Power Purchases / Generated (Milli KWH)				Fuel Cost RS. / KWH		
	KESC own units fed in its Distribution System	512	49.08	TAPAL				25.23				0.00	
	KESC Purchased Units fed in its Distribution System	531	50.92	GUL AHMED				22.12				0.00	
	Total Units sold by KESC	1043	100.00	KESC Own				110.00				0.00	

Net Capacities as mentioned in Generation License & subsequent modifications

Electricity Sent-out and Purchased by KESC during the Month of January 2010												
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC			
1	Units Sent-out from KESC Own Generation											
	NET Plant Capacity (MW)	1107.6	0	142.4	58.4	42.3	85.5	84.61	199.7	1730.51		
	Units sent out (GWh) - on oil	92	0	0	0	0	0	0	0	92		
	Units sent out (GWh) - on Gas	374	0	61	16	0	0	33	0	484		
	Total Units sent-out (GWh) (Oil+Gas)	466	0	61	16	0	0	33	0	576		
	Units could be sent out at 100% Plant's NET Capacity	824	0	106	51	31	64	63	149	1287		
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	358	0	45	35	31	64	63	116	711		
	Plant Utilization Factor (%)	56.55	#DIV/0!	57.58	31.44	0.00	0.00	0.00	22.21	44.74		
	Plant Under Utilization Factor (%)	43.45	#DIV/0!	42.42	68.56	100.00	100.00	100.00	77.79	55.26		
	Fuel Cost (Rupees Million)											
	Fuel Cost (Rs /KWH)											
2	KESC Purchases from IPPs supplying power on Take or Pay basis											
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)					
	Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own			KESC Own				
	Units Purchased (GWh)	32.82	25.46	58.38	NTDC			IPPs				
	Units can be purchased at 100% Plant Capacity (Net)	89	93	182	IPPs			NTDC				
	Units which could be purchased but not purchased (GWh)	56	68	124	Small			Fuel Share (%) in Generation of KESC from its own Power Plant				
	Plant Utilization Factor (%)	37.03	27.31	32.05	Total			Gas				
	Plant Under Utilization Factor (%)	62.97	72.69	67.95				RFO				
3	KESC Purchases from NTDC GWh											
	Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6										
	Actual Units Drawn in GWh	458.6										
	Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	94.82										
4	KESC Purchases from other generation companies on Take and Pay basis											
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total			
	Units Purchased (GWh)	34.22	9.06	0	2.13	0	10.38	19.66	3.05	78.5		
	Fuel Cost (Rupees Million)											
	Fuel Cost (Rs /KWH)											
5	Units Sent-out, Purchased and Sold out by KESC											
	in GWh	in %age	Cost of Oil based Power Purchases / sent out		Power Purchases / Generated (Milli KWH)		Fuel Cost (Milli Rs.)		Fuel Cost RS / KWH			
	576	49.17			TAPAL		32.92		0.00			
	595	50.83			GUL AHMED		25.46		0.00			
	1171	100.00			KESC Own		52.90		0.00			

Net Capacities as mentioned in Generation License & subsequent modifications

Electricity Sent-out and Purchased by KESC during the Month of December 2009										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1	Units Sent-out from KESC Own Generation									
	NET Plant Capacity (MW)	1107.6	0	142.4	68.4	42.3	85.5	84.61	199.7	1730.51
	Units sent out (GWh) - on oil	13	0	0	0	0	0	0	0	13
	Units sent out (GWh) - on Gas	251	0	77	10	0	0	0	25	363
	Total Units sent-out (GWh) (Oil+Gas)	264	0	77	10	0	0	0	25	376
	Units could be sent out at 100% Plant's NET Capacity	824	0	106	52	31	64	63	149	1287
	Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	560	0	29	41	31	64	63	124	911
	Plant Utilization Factor (%)	32.04	RDIV/OI	72.68	19.65	0.00	0.00	0.00	16.83	29.20
	Plant Under Utilization Factor (%)	67.96	RDIV/OI	27.32	80.35	100.00	100.00	100.00	83.17	70.80
	Fuel Cost (Rupees Million)									
	Fuel Cost (Rs./KWH)									
2	KESC Purchases from IPPs supplying power on Take or Pay basis									
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
	Plant Capacity (GW) - Net	0.1195	0.1253	KESC Own			KESC Own			
	Units Purchased (GWh)	35.87	24.32	NTDC			IPP's			
	Units can be purchased at 100% Plant Capacity (Net)	89	93	IPP's			NTDC			
	Units which could be purchased but not purchased (GWh)	53	69	Small			Fuel Share (%) in Generation of KESC from its own Power Plant			
	Plant Utilization Factor (%)	40.35	26.09	Total			Gas			
	Plant Under Utilization Factor (%)	59.65	73.91				RFO			
3	KESC Purchases from NTDC GWh									
	Maximum Allowable limit of Units (in GWh) (net: can be drawn from NTDC System)	483.6								
	Actual Units Drawn in GWh	445.3								
	Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	92.07								
4	KESC Purchases from other generation companies on Take and Pay basis									
	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	IIL	Aggreko	Engro	Total	
	Units Purchased (GWh)	59.1	9.24	0	1.44	0	10.69	37.82	6.97	125.26
	Fuel Cost (Rupees Million)									
	Fuel Cost (Rs./KWH)									
5	Units Sent-out, Purchased and Sold out by KESC									
	In GWh	In %age	Cost of Oil based Power Purchases / sent out		Power Purchases / Generated (Milli KWH)		Fuel Cost (Milli Rs.)		Fuel Cost \$S / KWH	
	KESC own units fed in its Distribution System	376	TAPAL		35.87				0.00	
	KESC purchased Units fed in its Distribution System	631	GUL AHMED		24.32				0.00	
	Total Units sold by KESC	1007	KESC Own		13.09				0.00	

Net Capacity as mentioned in Generation License & subsequent modifications

Electricity Sent-out and Purchased by KESC during the Month of November 2009										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6			68.4	42.3	85.5	84.61	199.7	1730.51	
Units sent out (GWn) - on oil	20			0	0	0	0	0	20	
Units sent out (GWn) - on Gas	416			34	0	0	0	15	527	
Total Units sent-out (GWn) (Oil+Gas)	436			34	0	0	0	15	547	
Units could be sent out at 100% Plant's NET Capacity	797			49	30	62	61	144	1246	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	361			15	30	62	61	129	699	
Plant Utilization Factor (%)	54.67	#DIV/0!	60.47	69.04	0.00	0.00	0.00	10.43	43.90	
Plant Under Utilization Factor (%)	45.33	#DIV/0!	39.53	30.96	100.00	100.00	100.00	89.57	56.10	
Fuel Cost (Rs./KWH)										
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
Plant Capacity (GW) - Net	0.1195	Gul Ahmed	Total IPPs	Share in Generation (%)			Un-Utilized Capacity (%)			
Units Purchased (GWn)	26.77	0.1253	0.2448	KESC Own	42.21	KESC Own	IPPs	56.10	62.12	
Units can be purchased at 100% Plant Capacity (Net)	86	40	66.77	NTDC	36.33	NTDC	IPPs	10.06		
Units which could be purchased but not purchased (GWn)	59	50	1.09	Small	5.76	Small	Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	31.11	44.34	37.88	Total	100.00	Total	Gas	96.34	3.66	
Plant Under Utilization Factor (%)	68.89	55.66	62.12							
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468									
Actual Units Drawn in GWh	420.9									
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	89.94									
4 KESC Purchases from other generation companies on Take and Pay basis										
Units Purchased (GWh)	KANUPP	PASMIC	DHA	Anoud	Al-Abbas	ILL	Aggreko	Engro	Total	
Fuel Cost (Rs./KWH)	37.68	6.97		1.36	0	11.49	35.69	10.68	123.87	
5 Units Sent-out, Purchased and Sold out by KESC										
KESC own units fed in its Distribution System	547								0.90	
KESC Purchased Units fed in its Distribution System	632	52.79							0.00	
Total Units sold by KESC	1179	100.00							0.90	

Net Capacities as mentioned in Generation License & subsequent modifications

Electricity Sent-out and Purchased by KESC during the Month of October 2009										
	BQPS-I	BQPS-II	KIPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	0	142.4	68.4	42.3	85.5	84.61	199.7	1730.51	
Units sent out (GWh) - on oil	48	0	0	0	0	0	0	0	48	
Units sent out (GWh) - on Gas	434	0	94	64	0	0	0	5	597	
Total Units sent-out (GWh) (Oil+Gas)	482	0	94	64	0	0	0	5	645	
Units could be sent out at 100% Plant's NET Capacity	824	0	106	51	31	64	53	149	1287	
Units that could have been sent out at 100% Plant's NET Capacity but not sent out	342	0	12	13	31	54	53	144	642	
Plant Utilization Factor (%)	58.49	#DIV/0!	88.72	125.76	0.00	0.00	0.00	3.37	50.10	
Plant Under Utilization Factor (%)	41.51	#DIV/0!	11.28	-25.76	100.00	100.00	100.00	96.63	49.90	
Fuel Cost (Rupees Million)										
Fuel Cost (Rs./KWH)										
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
Plant Capacity (GWh) - Net	0.1195	0.1253	0.2448							
Units Purchased (GWh)	58.85	65.87	124.72							
Units can be purchased at 100% Plant Capacity (Net)	89	93	162							
Units which could be purchased but not purchased (GWh)	30	27	57							
Plant Utilization Factor (%)	66.19	70.66	68.48							
Plant Under Utilization Factor (%)	33.81	29.34	31.52							
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6									
Actual Units Drawn in GWh	472.5									
Unit drawn from NTDC System (% age) w.r.t to Maximum Allowable limit	97.70									
4 KESC Purchases from other generation companies on Take and Pay basis										
Units Purchased (GWh)	37.77	6.78	44.2	5.52	0	10.39	37.83	8.47	150.96	
Fuel Cost (Rupees Million)										
Fuel Cost (Rs./KWH)										
5 Units Sent-out, Purchased and Sold out by KESC										
KESC own units fed in its Distribution System	645	46.30							0.00	
KESC Purchased Units fed in its Distribution System	748	53.70							0.00	
Total Units sold by KESC	1393	100.00							0.00	

Net Capacities as mentioned in Generation License & subsequent modifications

Electricity Sent-out and Purchased by KESC during the Month of September 2009											
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC		
1 Units Sent-out from KESC Own Generation											
NET Plant Capacity (MW)	1107.6	0	142.4	68.4	21.15	85.5	84.61	199.7	1709.36		
Units sent out (GWh) - on air	58	0	1	0	0	0	0	0	59		
Units sent out (GWh) - on Gas	502	0	70	72	0	0	0	0	644		
Total Units sent-out (GWh) (On+Gas)	560	0	71	72	0	0	0	0	703		
Units could be sent out at 100% Plant's NET Capacity	797	0	103	49	15	62	61	144	1231		
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	237	0	32	-23	15	62	61	144	528		
Plant Utilization Factor (%)	70.22	#DIV/0!	69.25	146.20	0.00	0.00	0.00	0.00	57.12		
Plant Under Utilization Factor (%)	29.78	#DIV/0!	30.75	-46.20	100.00	100.00	100.00	100.00	42.88		
Fuel Cost (Rupees Million)											
Fuel Cost (Rs./KWH)											
2 KESC Purchases from IPPs supplying power on Take or Pay basis											
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)				Un-Utilized Capacity (%)			
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448	KESC Own				KESC Own			
Units Purchased (GWh)	21.76	13.96	35.72	NTDC				IPPs			
Units can be purchased at 100% Plant Capacity (Net)	86	93	176	IPPs				NTDC			
Units which could be purchased but not purchased (GWh)	64	76	141	Small				Fuel Share (%) in Generation of KESC from its own Power Plant			
Plant Utilization Factor (%)	25.29	15.47	20.27	Total				Gas			
Plant Under Utilization Factor (%)	74.71	84.53	79.73					RFO			
3 KESC Purchases from NTDC GWh											
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	468										
Actual Units Drawn in GWh	449.4										
Unit drawn from NTDC System (% age) w.r.t to Maximum Allowable limit	96.02										
4 KESC Purchases from other generation companies on Take and Pay basis											
	KANUPP	PASMIC	DHA	Anoud	Al-Abbass	IIL	Aggreko	Engro	Total		
Units Purchased (GWh)	57.39	6.71	8.07	4.13	0	10.82	36.55	4.19	127.96		
Fuel Cost (Rupees Million)											
Fuel Cost (Rs./KWH)											
5 Units Sent-out, Purchased and Sold out by KESC											
	In GWh	In %age	Cost of Oil based Power Purchases / sent out				Power Purchases / Generated (Mill KWH)				Fuel Cost RS. / KWH
KESC own units fed in its Distribution System	703	53.42					TAPAL				0.00
KESC Purchased Units fed in its Distribution System	613	46.58					GUL AHMED				0.00
Total Units sold by KESC	1316	100.00					KESC Own				0.00
Not to be used for operations in Generation, license & subsequent modifications.											

Net Capacities as mentioned in Generation license & subsequent modifications

Electricity Sent-out and Purchased by KESC during the Month of August 2009										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas - II	S.I.T.E Gas-I	S.I.T.E Gas - II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	0	142.4	68.4	0	85.5	42.3	175.7	1621.9	
Units sent out (GWh) - on oil	178.48	0	0	0	0	0	0	0	178.48	
Units sent out (GWh) - on Gas	451.63	0	26.61	18.1	6.92	0	50.18	93.42	646.86	
Total Units sent-out (GWh) (Oil+Gas)	630.11	0	26.61	18.1	6.92	0	50.18	93.42	825.34	
Units could be sent out at 100% Plant's NET Capacity	824	0	106	51	0	64	31	131	1207	
Units that could have been sent out at 100% Plant's NET Capacity but not sent-out	194	0	79	33	-7	64	-19	37	381	
plant Utilization Factor (%)	76.46	#DIV/0!	25.12	35.57	#DIV/0!	0.00	159.45	71.47	68.40	
Plant Under Utilization Factor (%)	23.54	#DIV/0!	74.88	64.43	#DIV/0!	100.00	-59.45	28.53	31.60	
Fuel Cost (Rupees Million)										
Fuel Cost (Rs./KWH)										
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL	Gul Ahmed	Total IPPs	Share in Generation (%)		Share in Generation (%)		Un-Utilized Capacity (%)		
Plant Capacity (GWh) - Net	0.1195	0.1253	0.2448	KESC Own		KESC Own		KESC Own		
Units Purchased (GWh)	64.49	65.29	129.78	NTDC		NTDC		NTDC		
Units can be purchased at 100% Plant Capacity (Net)	89	93	182	Small		Small		Small		
Units which could be purchased but not purchased (GWh)	24	28	52	Total		Total		Total		
Plant Utilization Factor (%)	72.54	70.04	71.26					Gas		
Plant Under Utilization Factor (%)	27.46	29.96	28.74					RFO		
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6									
Actual Units Drawn in GWh	464.8									
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	96.11									
4 KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMC	DHA	Anoud	Al-Abbas	lit	Aggreko	Engro	Total	
Units Purchased (GWh)	45.45	7.07	4.77	2.98	0	8.13	36.99	0	105.39	
Fuel Cost (Rupees Million)										
Fuel Cost (Rs./KWH)										
5 Units Sent-out, Purchased and Sold out by KESC										
	in GWh		in %age		Cost of Oil based Power Purchases / sent out		Power Purchases / Generated (Mill Rs.)		Fuel Cost RS./ KWH	
KESC own units fed in its Distribution System	825.34	54.11					64.49		0.00	
KESC Purchased Units fed in its Distribution System	700	45.89					65.29		0.00	
Total Units sold by KESC	1525	100.00					178.48		0.00	

Net Capacities as mentioned in Generation license & subsequent modifications

Electricity Sent-out and Purchased by KESC during the Month of July 2009										
	BQPS-I	BQPS-II	KTPS	Korangi Gas-I	Korangi Gas-II	S.I.T.E Gas-I	S.I.T.E Gas-II	220 MW KCPP	Total KESC	
1 Units Sent-out from KESC Own Generation										
NET Plant Capacity (MW)	1107.6	0	142.4	68.4	0	85.5	21.15	175.7	1600.75	
Units sent out (GWh) - on oil	157.24	0	0	0	0	0	0	0	157.24	
Units sent out (GWh) - on Gas	436.4	0	44.22	24.08	0	3.23	34.73	72.19	614.85	
Total Units sent-out (GWh) (Oil-Gas)	593.64	0	44.22	24.08	0	3.23	34.73	72.19	772.09	
Units could be sent out at 100% Plant's NET Capacity	824	0	106	51	0	64	18	131	1151	
Units that could have been sent out at 100% Plant's NET Capacity but not sent out	230	0	62	27	0	60	19	59	419	
Plant Utilization Factor (%)	72.04	#DIV/0!	41.74	47.32	#DIV/0!	5.08	210.71	55.22	64.83	
Plant Under Utilization Factor (%)	27.96	#DIV/0!	58.26	52.68	#DIV/0!	94.92	-120.71	44.78	35.17	
Fuel Cost (Rupees Million)										
Fuel Cost (Rs./KWH)										
2 KESC Purchases from IPPs supplying power on Take or Pay basis										
	TAPAL		Gul Ahmed		Total IPPs		Share in Generation (%)		Un-Utilized Capacity (%)	
Plant Capacity (GW) - Net	0.1195	0.1253	0.2448				KESC Own	52.74	KESC Own	35.17
Units Purchased (GWh)	69.11	63.6	132.71				NTDC	32.38	IPPs	27.13
Units can be purchased at 100% Plant Capacity (Net)	89	93	182				IPPs	9.06	NTDC	1.97
Units which could be purchased but not purchased (GWh)	20	30	49				Smali	5.81	Fuel Share (%) in Generation of KESC from its own Power Plant	
Plant Utilization Factor (%)	77.73	68.22	72.87				Total	100.00	Gas	79.63
Plant Under Utilization Factor (%)	22.27	31.78	27.13						RFO	20.37
3 KESC Purchases from NTDC GWh										
Maximum Allowable limit of Units (in GWh) that can be drawn from NTDC System	483.6									
Actual Units Drawn in GWh	474.1									
Unit drawn from NTDC System (% age) w.r.t. to Maximum Allowable limit	98.03									
4 KESC Purchases from other generation companies on Take and Pay basis										
	KANUPP	PASMIC	OMA	Anoud	K Pharma	ILC	Aggreko	Engro	Total	
Units Purchased (GWh)	27.48	8.74	0	1.24	0	0	10.73	36.94	0	85.13
Fuel Cost (Rupees Million)										
Fuel Cost (Rs./KWH)										
5 Units Sent-out, Purchased and Sold out by KESC (GWh)										
	in GWh		in %age		Cost of Oil based Power Purchases / sent out		Power Purchases / Generated (Mill. KWH)		Fuel Cost (Mill. Rs.)	
KESC own units fed in its Distribution System	772.09	52.74								Fuel Cost RS / KWH
KESC Purchased Units fed in its Distribution System	691.91	47.26								0.90
Total Units sold by KESC	1464	100.00								0.90

Net Capacities as mentioned in Generation License & subsequent modifications

**Net Capacity of Plants (MW) as per Schedule - II of the Generation License
(Initially Issued and Modified later on)**

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	18.11.2002 Up-till 16.03.2009	17.03.2009 Up-till 12.05.2009	13.05.2009 Up-till 21.08.2013	22.08.2013 up till 12.03.2015	13.03.2015 up-till 01.04.2015	02.04.2015 up-till to-date
BQPS-I	956.800	956.800	1107.6	1107.600	738.400	738.400
KTPS	189.700	189.700	142.4	80.100	80.100	decommissioned
KGTPS -I	76.480	76.480	68.4	17.100	17.100	decommissioned
SGTPS-I	84.750	84.750	85.5	17.100	17.100	decommissioned
KCCPP	-	199.700	199.7	199.700	199.700	224.700
Korangi Gas Engines -KGE II	-	-	-	84.608	84.608	93.520
Sit Gas Engines - SGE II	-	-	-	84.608	84.608	93.520
BQPS-II	-	-	-	502.100	502.100	502.100
Total Net Capacity of K-Electric Own Power Plants	1307.730	1507.430	1603.600	2092.916	1723.710	1652.240

Month	Generation in K-Electric System								
	Un-Utilized Capacity (%) of Power Plants in K-Electric System			Fuel share (%) in generation of KEL from its own powerplants		Percentage Share of Electric Power from various Sources in KEL System			
	KEL	IPPs	NTDC	Gas	RFO	KEL Own	NTDC	IPP	Small
Jul-10	29.07	10.56	31.00	62.08	37.92	62.10	22.15	10.81	4.94
Aug-10	42.88	23.97	10.66	74.29	25.71	52.40	30.04	9.63	7.93
Sep-10	47.24	30.64	7.08	75.22	24.78	49.80	32.15	9.04	9.01
Oct-10	51.10	13.13	2.51	66.11	33.89	46.94	34.31	11.51	7.23
Nov-10	62.37	41.8	7.47	80.27	19.73	43.75	39.44	9.34	7.47
Dec-10	72.37	49.97	4.22	72.16	27.84	38.37	48.78	10.17	2.68
Jan-11	73.37	44.43	3.20	76.00	24.00	37.37	49.81	10.77	2.06
Feb-11	69.03	41.35	-1.02	70.81	29.19	39.87	47.68	10.43	2.02
Mar-11	57.25	20.16	-0.16	64.53	35.47	46.52	39.96	12.00	1.53
Apr-11	46.08	24.11	-3.88	55.81	44.19	52.00	36.73	10.11	1.16
May-11	40.19	18.63	-2.27	59.31	40.69	54.43	34.13	10.22	1.22
Jun-11	42.38	25.06	-2.64	60.25	39.75	53.13	34.7	9.54	2.63
Jul-11	49.18	64.25	-4.90	69.49	30.51	51.44	38.93	5.00	4.63
Aug-11	39.99	54.27	0.98	67.36	32.64	55.98	33.86	5.89	4.27
Sep-11	50.59	35.16	-0.27	74.72	25.28	49.05	36.49	8.89	5.57
Oct-11	39.84	59.10	3.64	60.31	39.69	58.40	34.30	5.84	1.82
Nov-11	54.50	57.12	-5.20	75.07	24.93	49.96	42.35	6.50	1.20
Dec-11	75.08	42.09	-7.15	83.39	16.61	33.14	52.24	10.63	3.99
Jan-12	73.20	73.37	3.21	80.56	19.44	37.57	49.75	5.16	7.52
Feb-12	68.61	77.41	-0.75	81.30	18.70	40.72	47.92	4.05	7.31
Mar-12	67.17	65.7	0.93	79.49	20.51	45.71	42.72	5.57	6.00
Apr-12	51.39	56.19	2.27	73.08	26.92	56.50	35.18	5.94	2.39
May-12	47.62	51.65	4.18	75.51	24.49	59.12	30.9	5.87	4.10
Jun-12	46.09	42.53	5.19	75.91	24.09	59.95	30.13	6.88	3.04
Jul-12	47.97	46.99	4.79	68.08	31.92	58.38	30.53	6.40	4.69
Aug-12	51.94	56.69	5.47	68.12	31.88	57.79	32.48	5.60	4.12
Sep-12	55.82	29.3	4.40	78.12	21.88	53.14	32.86	9.15	4.85
Oct-12	54.62	44.28	3.33	75.32	24.68	55.29	33.65	7.31	3.76
Nov-12	63.85	51.15	1.43	75.01	24.99	49.5	38.57	7.20	4.73
Dec-12	73.58	68.24	6.65	92.07	7.93	43.68	44.09	5.65	6.58
Jan-13	76.03	59.7	4.23	86.72	13.28	41.41	47.27	7.49	3.82
Feb-13	73.42	55.83	5.39	86.31	13.69	43.75	44.49	7.82	3.94
Mar-13	63.58	48.76	2.83	68.61	31.39	49.54	37.77	7.5	5.19
Apr-13	59.38	45.24	3.98	63.63	36.37	52.3	35.33	7.59	4.79
May-13	52.68	38.12	3.52	65.63	34.37	55.42	32.28	7.80	4.50
Jun-13	43.52	31.28	2.78	71.66	28.34	59.87	29.45	7.84	2.85

Cost of Power Generation and Purchases in K-Electric System (Rs./KWH)																
Month	Cost of Power Generation and Power Purchases										Cost of Power Generation and Power Purchases					
	ON GAS Fuel										ON OIL					
	BQPS-I	BQPS-II	Korangi Thermal	KG-II	KG-II	SG-I	SG-II	KCCP	AGGREKO (RPP)		BQPS-I	Tapal	Gul Ahmed			
Mar-10	4.194	0.000	5.410	6.710	3.741	6.710	3.938	3.587	21.055		10.209	11.747	11.762			
Apr-10	4.194	0.000	5.410	6.710	3.741	0.000	3.938	3.587	9.295		11.140	11.742	11.580			
May-10	4.194	0.000	5.410	6.710	3.741	0.000	3.938	3.587	9.473		7.952	11.801	11.825			
Jun-10	4.194	0.000	5.410	6.710	3.741	0.000	3.938	3.587	12.481		7.198	11.841	11.530			
Jul-10	4.194	0.000	5.410	6.710	3.741	0.000	3.938	3.587	9.957		7.532	10.967	10.794			
Aug-10	4.194	0.000	5.410	6.710	3.741	0.000	3.938	3.587	9.667		10.836	11.541	11.309			
Sep-10	4.194	0.000	5.410	6.710	3.741	0.000	3.938	3.587	9.668		10.692	11.666	11.484			
Oct-10	4.194	0.000	5.410	6.710	3.741	0.000	3.938	3.587	10.675		10.848	11.367	11.124			
Nov-10	4.194	0.000	5.410	6.710	3.741	0.000	3.938	3.587	12.479		8.143	12.483	12.268			
Dec-10	4.194	0.000	5.410	6.710	3.741	0.000	3.741	3.587			11.822	12.846	13.188			
Jan-11	4.194	0.000	5.410	6.710	3.741	0.000	3.741	3.587			12.171	13.114	13.314			
Feb-11	4.194	0.000	5.416	6.710	3.741	0.000	3.741	3.587			13.109	13.441	14.535			
Mar-11	4.194	0.000	5.410	6.710	3.741	0.000	3.741	3.587			14.937	14.642	14.930			
Apr-11	4.194	0.000	5.410	6.710	3.741	0.000	3.741	3.587			9.133	15.540	15.479			
May-11	4.194	0.000	5.410	6.710	3.741	0.000	3.741	3.587			15.026	16.023	15.880			
Jun-11	4.194	0.000	5.410	6.710	3.741	0.000	3.741	3.587			15.652	15.679	15.703			
Jul-11	4.194	0.000	5.410	6.710	3.741	0.000	3.741	3.587			15.768	16.232	24.760			
Aug-11	4.725	0.000	6.095	0.000	4.215	0.000	4.215	5.185			16.186	16.730	17.543			
Sep-11	4.762	5.439	6.143	0.000	4.248	4.248	4.074	4.074			16.019	16.225	16.286			
Oct-11	4.762	5.439	6.143	0.000	4.248	0.000	4.248	4.073			15.840	15.831	0.000			
Nov-11	4.762	5.439	6.143	0.000	4.248	0.000	4.248	4.073			16.263	NA	NA			
Dec-11	4.762	5.439	6.143	0.000	4.248	0.000	4.248	4.073			17.090	17.598	17.406			
Jan-12	5.409	0.000	0.000	0.000	4.825	0.000	4.825	4.627			17.092	21.372	19.189			
Feb-12	5.409	6.177	0.000	0.000	4.825	0.000	4.825	4.627			18.221	22.582	21.564			
Mar-12	5.409	6.177	0.000	0.000	4.825	0.000	4.825	4.627			18.967	20.543	19.680			
Apr-12	5.409	0.000	0.000	0.000	4.825	0.000	4.825	4.627			19.180	21.236	19.005			
May-12	5.409	6.177	6.977	0.000	4.825	0.000	4.825	4.627			18.700	23.571	18.077			
Jun-12	5.409	6.177	6.977	0.000	4.825	0.000	4.825	4.627			17.722	19.857	17.125			

Month	Under Utilization Status		
	BQPS-I	Tapal	Gul Ahmed
	(%)	(%)	(%)
Mar-10	57.68	15.32	31.59
Apr-10	45.84	20.38	26.21
May-10	27.86	5.64	18.83
Jun-10	23.52	13.04	9.75
Jul-10	19.75	8.21	12.81
Aug-10	42.97	24.55	23.41
Sep-10	49.80	29.06	32.15
Oct-10	52.58	14.89	11.46
Nov-10	64.97	40.55	42.99
Dec-10	75.60	39.17	54.40
Jan-11	73.23	37.75	50.80
Feb-11	68.81	75.88	41.45
Mar-11	51.52	11.82	28.11
Apr-11	39.65	23.01	25.16
May-11	35.26	18.86	18.41
Jun-11	39.93	20.01	29.88
Jul-11	50.93	37.71	89.55
Aug-11	37.98	44.34	63.75
Sep-11	52.94	28.06	41391.00
Oct-11	42.73	16.21	100.00
Nov-11	49.55	47.88	65.95
Dec-11	70.98	42.80	41.41
Jan-12	68.31	77.47	69.45
Feb-12	62.56	78.53	76.34
Mar-12	56.06	64.92	66.44
Apr-12	52.98	66.56	46.30
May-12	51.06	80.15	24.47
Jun-12	55.92	65.57	-5.42

Cost of Power Generation and Purchases in K-Electric System (Rs./KWH)														Under Utilization Status			
Month	Cost of Power Generation and Power Purchases										Cost of Power Generation and Power Purchases			Month	BQPS-I	Tapal	Gul Ahmed
	ON GAS Fuel										ON OIL				(%)	(%)	(%)
	BQPS-I	BQPS-II	Korangi Thermal	KG-I	KG-II	SG-I	SG-II	KCPH	AGGREKO (EPP)		BQPS-I	Tapal	Gul Ahmed				
Jul-12	5.964	6.811	7.693	0.000	5.320	0.000	5.320	5.102			16.236	19.001	16.051	Jul-12	44.67	68.48	26.50
Aug-12	5.964	6.811	7.693	0.000	5.320	0.000	5.320	5.102			17.395	20.802	16.950	Aug-12	41.80	76.68	37.63
Sep-12	5.964	6.811	7.693	0.000	5.320	0.000	5.320	5.102			18.201	18.197	17.814	Sep-12	52.47	30.08	28.56
Oct-12	5.964	6.811	7.693	0.000	5.320	0.000	5.320	5.102			18.268	18.189	19.571	Oct-12	59.75	26.88	60.87
Nov-12	5.964	6.811	7.693	0.000	5.320	0.000	5.320	5.102			16.895	17.645	19.240	Nov-12	69.27	34.76	67.79
Dec-12	5.187	5.923	0.000	0.000	4.627	0.000	4.627	4.437			16.630	18.343	20.300	Dec-12	85.92	59.04	77.00
Jan-13	5.487	6.267	0.000	0.000	4.895	0.000	4.895	4.694			16.824	17.471	21.384	Jan-13	82.29	38.84	79.60
Feb-13	5.487	6.267	0.000	0.000	4.895	0.000	4.895	4.694			17.494	17.796	23.156	Feb-13	86.66	29.08	81.34
Mar-13	5.487	4.434	0.000	0.000	4.895	0.000	4.895	4.694			17.715	17.518	22.479	Mar-13	72.65	16.06	79.95
Apr-13	5.487	4.434	0.000	0.000	4.895	0.000	4.895	4.694			17.338	17.246	21.313	Apr-13	64.83	12.17	76.77
May-13	5.487	4.434	0.000	0.000	4.895	0.000	4.895	4.694			17.230	16.780	18.753	May-13	57.82	12.69	62.37
Jun-13	5.487	4.434	0.000	0.000	4.895	0.000	4.895	4.694			17.125	16.754	18.265	Jun-13	47.61	9.28	36.66
Jul-13	5.487	4.434	0.000	0.000	4.895	0.000	4.895	4.694			17.287	16.494	18.909	Jul-13	53.93	10.87	60.27
Aug-13	5.487	4.434	7.078	0.000	4.895	0.000	4.895	4.694			17.486	17.244	20.163	Aug-13	64.23	24.86	70.75
Sep-13	5.487	4.434	7.078	0.000	4.895	0.000	4.895	4.694			18.504	17.516	19.086	Sep-13	56.66	13.33	45.13
Oct-13	5.487	4.434	0.000	0.000	4.895	0.000	4.895	4.694			18.770	17.948	19.352	Oct-13	61.82	12.06	44.19
Nov-13	5.487	4.434	0.000	0.000	4.895	0.000	4.895	4.694			18.697	18.805	20.760	Nov-13	76.88	35.45	65.39
Dec-13	5.487	4.434	0.000	0.000	4.895	0.000	4.895	4.694			18.585	18.586	20.731	Dec-13	79.04	31.54	66.01
Jan-14	5.487	4.434	0.000	0.000	4.895	0.000	4.895	4.694			18.095	18.468	20.309	Jan-14	66.97	27.26	63.93
Feb-14	5.487	4.434	0.000	0.000	4.895	0.000	4.895	4.694			17.572	18.827	19.481	Feb-14	83.10	34.67	55.53
Mar-14	5.487	4.434	0.000	0.000	4.895	0.000	4.895	4.694			17.632	18.291	18.602	Mar-14	68.27	67.58	60.27
Apr-14	5.487	4.434	0.000	0.000	4.895	0.000	4.895	4.694			15.749	17.376	16.275	Apr-14	57.89	30.46	19.62
May-14	5.487	4.434	0.000	0.000	4.895	0.000	4.895	4.694			15.859	16.814	15.822	May-14	51.10	20.61	15.83
Jun-14	5.487	4.434	0.000	0.000	4.895	0.000	4.895	4.694			17.086	17.110	17.178	Jun-14	41.95	12.57	16.42

Cost of Power Generation and Purchases in K-Electric System (Rs./KWH)														Under Utilization Status			
Month	Cost of Power Generation and Power Purchases													Month	BQPS-I	Tapal	Gul Ahmed
	ON GAS Fuel														(%)	(%)	(%)
	BQPS-I	BQPS-II	Kerang Thermal	SG-I	KG-II	SG-I	SG-II	KCCPP	AGGREKO (RPP)	BQPS -	Tapal	Gul Ahmed					
Jul-14	5.200	4.201	0.000	0.000	4.638	0.000	4.638	4.448		17.151	17.155	17.356	Jul-14	43.90	11.73	24.66	
Aug-14	5.200	4.201	0.000	0.000	4.638	0.000	4.638	4.448		16.991	16.851	17.324	Aug-14	53.87	15.88	29.10	
Sep-14	5.200	4.201	0.000	0.000	4.638	0.000	4.638	4.448		18.053	16.908	17.772	Sep-14	53.15	13.77	23.89	
Oct-14	5.200	4.201	0.000	0.000	4.638	0.000	4.638	4.448		17.404	17.498	18.562	Oct-14	64.72	33.10	49.04	
Nov-14	5.200	4.201	0.000	0.000	4.638	0.000	4.638	4.448		14.503	NA	NA	Nov-14	77.50	38.30	51.98	
Dec-14	5.200	4.201	0.000	0.000	4.638	0.000	4.638	4.448		12.467	15.044	14.829	Dec-14	83.84	43.60	56.70	
Jan-15	5.200	4.201	0.000	0.000	4.638	0.000	4.638	4.448		9.8405	12.996	12.353	Jan-15	87.88	45.49	60.46	
Feb-15	5.200	4.201	0.000	0.000	4.638	0.000	4.638	4.448		9.4697	10.734	10.447	Feb-15	74.58	30.66	29.99	
Mar-15	5.200	4.201	0.000	0.000	4.638	0.000	4.638	4.448		10.993	11.356	12.239	Mar-15	71.87	25.72	37.19	
Apr-15	5.200	4.201	0.000	0.000	4.638	0.000	4.638	4.448		10.197	10.810	11.153	Apr-15	51.70	9.16	16.53	
May-15	5.200	4.201	0.000	0.000	4.638	0.000	4.638	4.448		10.989	NA	NA	May-15	42.84	9.80	19.64	
Jun-15	5.200	4.201	0.000	0.000	4.638	0.000	4.638	4.448		11.856	12.780	12.663	Jun-15	37.32	3.40	13.98	
Jul-15	5.200	4.201	0.000	0.000	4.638	0.000	4.638	4.448		11.258	12.591	12.272	Jul-15	42.21	29.04	24.62	
Aug-15	5.200	4.201	0.000	0.000	4.638	0.000	4.638	4.448		9.6116	11.216	11.254	Aug-15	58.22	17.78	20.81	
Sep-15	6.390	5.163	0.000	0.000	5.700	0.000	5.700	5.466		7.9425	9.576	9.463	Sep-15	51.78	16.23	21.51	
Oct-15	6.390	5.163	0.000	0.000	5.700	0.000	5.700	5.466		7.8692	9.720	8.768	Oct-15	49.41	17.20	22.77	
Nov-15	6.390	5.163	0.000	0.000	5.700	0.000	5.700	5.466		7.9941	11.708	11.398	Nov-15	76.83	61.12	65.42	
Dec-15	6.390	5.163	0.000	0.000	5.700	0.000	5.700	5.466		7.4465	12.492	12.521	Dec-15	85.15	69.58	71.81	
Jan-16	6.390	5.163	0.000	0.000	5.700	0.000	5.700	5.466		6.1589	NA	NA	Jan-16	88.26	76.29	77.39	
Feb-16	6.390	5.163	0.000	0.000	5.700	0.000	5.700	5.466		5.1113	NA	NA	Feb-16	78.03	37.07	61.38	
Mar-16	6.390	5.163	0.000	0.000	5.700	0.000	5.700	5.466		5.1369	6.961	6.95	Mar-16	63.80	7.88	29.98	
Apr-16	6.39	5.163	0.000	0.000	5.700	0.000	5.700	5.466					Apr-15	62.51	10.61	26.58	

Details of Plant Utilization Factor, Fuel Cost Component (FCC), Variable Operation & Maintenance Cost (VO&M), Energy Purchase Price (EPP), Capacity Purchase Price (CPP), Power Purchase Price (PPP) and Liquidated Damages (LDs)

Bin Qasim Power Station -I (Dual Fuel - Gas and RFO)													Dep. Cap. (MW)	1107
		Power Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		Under utilization in %	88	78	64	62								
2016	under utilization	Av. Unutilized Cap in MW throughout the Month	977	864	706	692								
	EPP -CPP RFO	FCC (Rs/KWH)	6.16	5.11	5.14	5.65								
	EPP -CPP RFO	PPP (KWH)	6.16	5.11	5.14	5.65								
	EPP -CPP Gas	FCC (Rs/KWH)	6.39	6.39	6.39	6.53								
	EPP -CPP Gas	PPP (KWH)	6.39	6.39	6.39	6.53								
2015	under utilization	Under utilization in %	88	89	72	52	43	37	42	58	52	49	77	85
	under utilization	Av. Unutilized Cap in MW throughout the Month	973	990	795	572	474	413	467	644	573	547	850	943
	EPP -CPP RFO	FCC (Rs/KWH)	9.84	9.47	10.99	10.20	10.99	11.86	11.26	9.61	7.94	7.87	7.99	7.45
	EPP -CPP RFO	PPP (KWH)	9.84	9.47	10.99	10.20	10.99	11.86	11.26	9.61	7.94	7.87	7.99	7.45
	EPP -CPP Gas	FCC (Rs/KWH)	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	6.39	6.39	6.39	6.39
	EPP -CPP Gas	PPP (KWH)	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	6.39	6.39	6.39	6.39
2014	under utilization	Under utilization in %	67	83	68	58	51	42	44	54	53	65	77	83
	under utilization	Av. Unutilized Cap in MW throughout the Month	741	920	756	641	565	464	486	596	588	716	858	921
	EPP -CPP RFO	FCC (Rs/KWH)	18.10	17.57	17.63	15.75	15.86	17.09	17.15	16.99	18.05	17.40	14.50	12.47
	EPP -CPP RFO	PPP (KWH)	18.10	17.57	17.63	15.75	15.86	17.09	17.15	16.99	18.05	17.40	14.50	12.47
	EPP -CPP Gas	FCC (Rs/KWH)	5.49	5.49	5.49	5.49	5.49	5.49	5.20	5.20	5.20	5.20	5.20	5.20
	EPP -CPP Gas	PPP (KWH)	5.49	5.49	5.49	5.49	5.49	5.49	5.20	5.20	5.20	5.20	5.20	5.20
2013	under utilization	Under utilization in %	82	87	73	65	58	48	54	64	57	62	77	79
	under utilization	Av. Unutilized Cap in MW throughout the Month	911	960	804	717	640	527	597	711	630	684	851	875
	EPP -CPP RFO	FCC (Rs/KWH)	16.82	17.49	17.71	17.34	17.23	17.13	17.29	17.49	18.50	18.77	18.70	18.58
	EPP -CPP RFO	PPP (KWH)	16.82	17.49	17.71	17.34	17.23	17.13	17.29	17.49	18.50	18.77	18.70	18.58
	EPP -CPP Gas	FCC (Rs/KWH)	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.57	5.49	5.49	5.49
	EPP -CPP Gas	PPP (KWH)	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.57	5.49	5.49	5.49

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - Bin Qasim Power Station -I (Dual Fuel Power Plant - Gas and RFO)													Net Capacity (MW)				1107.00
	Electricity Generated on	Jan	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.				
under utilization	RFO	77551000	153035000	220916000	241596000												
	Gas	19167000	16318000	77406000	57352000												
	Total	96718000	169353000	298322000	298948000	0	0	0	0	0	0	0	0				
	Under utilization in %	88.26	78.02	63.78	62.49												
EPP - RFO	Un Utilized Capacity (MW)	977.00	863.68	706.03	691.79												
	FCC (Million Rs.)	477628000	782202000	1134830000	1364051000												
	Total EPP (Million Rs.)	477628000	782202000	1134830000	1364051000	0	0	0	0	0	0	0	0				
	Per unit FCC (Rs/KWH)	6.16	5.11	5.14	5.65	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!				
EPP - Gas	Per Unit EPP (Rs/KWH)	6.16	5.11	5.14	5.65	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!				
	FCC (Million Rs.)	122479000	104275000	494625000	374418000												
	Total EPP (Million Rs.)	122479000	104275000	494625000	374418000	0	0	0	0	0	0	0	0				
	Per unit FCC (Rs/KWH)	6.39	6.39	6.39	6.53	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!				
CPP RFO	Per Unit EPP (Rs/KWH)	6.39	6.39	6.39	6.53	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!				
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
	Capacity Cost Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
	Per unit CPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
CPP Gas	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
	Capacity Cost Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
	Per unit CPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
PPP RFO	Per unit CPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
	Total PPP-EPP+CPP (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
PPP Gas	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
	Total PPP-EPP+CPP (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
LDs	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
	Total PPP-EPP+CPP (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - Bin Qasim Power Station -I (Dual Fuel Power Plant - Gas and RFO)													Net Capacity (MW)				1107.00							
Electricity Generated on													Jan	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
under utilization	RFO	50707000	66102000	144256000	250321000	248528000	328273000	182058000	181097000	191735000	222532000	60657000	60398000											
	Gas	49180000	12308400	87549000	134813000	222491000	171570000	294202000	163220000	202811000	194354000	124142000	61990000											
	Total	99887000	78410400	231805000	385134000	471019000	499843000	476260000	344317000	384546000	416886000	184799000	122388000											
	Under utilization in %	87.87	89.46	71.85	51.68	42.81	37.29	42.17	58.19	51.75	49.38	76.81	85.14											
	Un Utilized Capacity (MW)	972.74	990.32	795.43	572.09	473.91	412.77	466.87	644.21	572.91	546.67	850.33	942.50											
EPP - RFO	FCC (Million Rs.)	498983000	625964000	1585832000	2552411000	2731002000	3891948000	2049615000	1740690000	1434332000	1751143000	484898000	449754000											
	Total EPP (Million Rs.)	498983000	625964000	1585832000	2552411000	2731002000	3891948000	2049615000	1740690000	1434332000	1751143000	484898000	449754000											
	Per unit FCC (Rs/KWH)	9.84	9.47	10.99	10.20	10.99	11.86	11.26	9.61	7.94	7.87	7.99	7.45											
	Per Unit EPP (Rs/KWH)	9.84	9.47	10.99	10.20	10.99	11.86	11.26	9.61	7.94	7.87	7.99	7.45											
	FCC (Million Rs.)	255721000	639998000	455224000	701086000	1156874000	892101000	1529748000	848687000	1295965000	1241922000	793266000	396116000											
EPP - Gas	Total EPP (Million Rs.)	255721000	639998000	455224000	701086000	1156874000	892101000	1529748000	848687000	1295965000	1241922000	793266000	396116000											
	Per unit FCC (Rs/KWH)	5.20	52.00	5.20	5.20	5.20	5.20	5.20	5.20	6.39	6.39	6.39	6.39											
	Per Unit EPP (Rs/KWH)	5.20	52.00	5.20	5.20	5.20	5.20	5.20	5.20	6.39	6.39	6.39	6.39											
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Capacity Cost Paid (Million)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
CPP RFO	Per unit CPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Capacity Cost Paid (Million)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Per unit CPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Total PPP-EPP+CPP (Million)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
PPP Gas	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Total PPP-EPP+CPP (Million)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											

2015

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - Bin Qasim Power Station -I (Dual Fuel Power Plant - Gas and RFO)													Net Capacity (MW)				1107.00							
Electricity Generated on													Jan	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
under utilization	RFO	67478000	94821000	142523000	165587000	202094000	271708000	259422000	163234000	212768000	101071000	85008000	92252000											
	Gas	204714000	30971000	118980000	170195000	200840000	191227000	202865000	216924000	160858000	189690000	94451000	45878000											
	Total	272192000	125792000	261503000	335777000	402934000	462935000	462287000	380158000	373626000	290761000	179459000	138130000											
	Under utilization in %	66.95	83.09	68.25	57.87	51.08	41.92	43.87	53.84	58.08	64.70	77.48	83.23											
	Un Utilized Capacity (MW)	741.15	919.81	755.52	640.64	565.42	464.03	485.65	596.03	716.19	857.75	921.34	921.34											
EPP - RFO	FCC (Million Rs.)	1221037000	1666151000	2512660000	2607768000	3204948000	4642294000	4449257000	2773490000	3841129000	1759046000	1232895000	1150047000											
	Total EPP (Million Rs.)	1221037000	1666151000	2512660000	2607768000	3204948000	4642294000	4449257000	2773490000	3841129000	1759046000	1232895000	1150047000											
	Per unit FCC (Rs/KWH)	18.10	17.57	17.63	15.75	15.86	17.09	17.15	16.99	18.05	17.40	14.50	12.47											
	Per Unit EPP (Rs/KWH)	18.10	17.57	17.63	15.75	15.86	17.09	17.15	16.99	18.05	17.40	14.50	12.47											
	FCC (Million Rs.)	1123308000	169943000	652867000	933893000	1102051000	1049303000	1054824000	1127930000	836405000	986322000	491113000	238550000											
EPP - Gas	Total EPP (Million Rs.)	1123308000	169943000	652867000	933893000	1102051000	1049303000	1054824000	1127930000	836405000	986322000	491113000	238550000											
	Per unit FCC (Rs/KWH)	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.20	5.20	5.20	5.20	5.20											
	Per Unit EPP (Rs/KWH)	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.20	5.20	5.20	5.20	5.20											
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Capacity Cost Paid (Million)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
CPP RFO	Per unit CPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Capacity Cost Paid (Million)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Per unit CPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Total PPP-EPP+CPP (Million)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
CPP Gas	Per unit PPP-EPP+CPP (Million)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Capacity Cost Paid (Million)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
PPP RFO	Total PPP-EPP+CPP (Million)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Capacity Cost Paid (Million)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
LDs	Total PPP-EPP+CPP (Million)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											
	LDs Involved (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required											

Details of Plant Utilization Factor, Fuel Cost Component (FCC), Variable Operation & Maintenance Cost (VO&M), Energy Purchase Price (EPP), Capacity Purchase Price (CPP), Power Purchase Price (PPP) and Liquidated Damages (LDs)

Bin Qasim Power Station - II (Gas)													Dep. Cap. (MW)	502
	Power Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
2016	under utilization	Under utilization in %	4	19	44	6								
		Av. Unutilized Cap in MW throughout the Month	21	97	219	32								
	EPP - CPP Gas	FCC (Rs/KWH)	5.16	5.16	5.16	5.27								
		PPP (KWH)	5.16	5.16	5.16	5.27								
2015	under utilization	Under utilization in %	17	58	24	20	12	12	17	11	10	9	7	3
		Av. Unutilized Cap in MW throughout the Month	86	290	120	101	58	58	87	55	51	45	33	17
	EPP - CPP Gas	FCC (Rs/KWH)	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	5.16	5.16	5.16	5.16
		PPP (KWH)	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	5.16	5.16	5.16	5.16
2014	under utilization	Under utilization in %	84	18	36	26	8	12	10	14	9	6	10	15
		Av. Unutilized Cap in MW throughout the Month	422	90	179	131	38	62	52	69	46	32	48	73
	EPP - CPP Gas	FCC (Rs/KWH)	4.43	4.43	4.43	4.43	4.43	4.43	4.20	4.20	4.20	4.20	4.20	4.20
		PPP (KWH)	4.43	4.43	4.43	4.43	4.43	4.43	4.20	4.20	4.20	4.20	4.20	4.20
2013	under utilization	Under utilization in %	34	23	11	8	12	13	12	3	10	12	13	29
		Av. Unutilized Cap in MW throughout the Month	169	115	56	40	62	64	58	15	48	58	63	144
	EPP - CPP Gas	FCC (Rs/KWH)	6.27	6.27	4.43	4.43	4.43	4.43	4.43	3.99	4.43	4.43	4.43	4.43
		PPP (KWH)	6.27	6.27	4.43	4.43	4.43	4.43	4.43	3.99	4.43	4.43	4.43	4.43

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - Bin Qasim Power Station - II (Gas)												502.10
Net Capacity (MW)												
under utilization	Electricity Generated on											Dec.
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Gas	357645000	281873000	210290000	338780000								
Total	357645000	281873000	210290000	338780000								
Under utilization in %	4.26	19.34	43.71	6.29								
Un Utilized Capacity (MW)	21.39	97.11	219.45	31.57								
FCC (Million Rs.)	1846521000	1455310000	1085727000	1787019000								
Total EPP (Million Rs.)	1846521000	1455310000	1085727000	1787019000								
Per unit FCC (Rs/KWH)	5.16	5.16	5.16	5.27	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Per Unit EPP (Rs/KWH)	5.16	5.16	5.16	5.27	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
Capacity Cost Paid (Million)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
Per unit CPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
Total PPP-EPP+CPP (Million)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required

2016

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - Bin Qasim Power Station - II (Gas)											
Net Capacity (MW)											
502.10											
Electricity Generated on											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Gas	309638000	142587000	284495000	288437000	330442000	319550000	308815000	332923000	325066000	339939000	337862000
Total	309638000	142587000	284495000	288437000	330442000	319550000	308815000	332923000	325066000	339939000	337862000
Under utilization	17.11	57.74	23.84	20.21	11.54	11.61	17.33	10.88	10.08	9.00	6.54
Un Utilized Capacity (MW)	85.92	289.92	119.71	101.49	57.96	58.28	87.03	54.62	50.62	45.19	32.85
FCC (Million Rs.)	1300857000	599039000	1195226000	1211787000	1388259000	1342500000	1297399000	1398882000	1678316000	1755105000	1744382000
Total EPP (Million Rs.)	1300857000	599039000	1195226000	1211787000	1388259000	1342500000	1297399000	1398882000	1678316000	1755105000	1744382000
Per unit FCC (Rs./KWH)	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	5.16	5.16	5.16
Per Unit EPP (Rs./KWH)	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	5.16	5.16	5.16
Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
Capacity Cost Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
Per unit CPP (Rs./KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
Total PPP-EPP+CPP (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
Per unit PPP (Rs./KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required

2015

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - Bin Qasim Power Station - II (Gas)														Net Capacity (MW)														502.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	Electricity Generated on		Jan	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

2014

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - 220 MW Korangi Combined Cycle Power Plan (Gas)													Net Capacity (MW)					224.70	199.70					
Electricity Generated on													Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
under utilization	Gas		58330000	69618000	127864000	132992000																		
	Total		58330000	69618000	127864000	132992000																		
	Under utilization in %		65.11	55.48	23.52	7.51																		
	Un Utilized Capacity (MW)		146.30	124.67	52.84	14.99																		
EPP - Gas	FCC (Million Rs.)		318831000	380531000	698907000	742686000																		
	Total EPP (Million Rs.)		318831000	380531000	698907000	742686000																		
	Per unit FCC (Rs/KWH)		5.47	5.47	5.47	5.58	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
	Per Unit EPP (Rs/KWH)		5.47	5.47	5.47	5.58	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
CPP Gas	Capacity Cost Due (Million Rs.)		Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required		
	Capacity Cost Paid (Million Rs.)		Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required		
	per unit CPP (Rs/KWH)		Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required		
	Total PPP-EPP+CPP (Million Rs.)		Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required		
PPP Gas	per unit PPP (Rs/KWH)		Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required		
	Total PPP-EPP+CPP (Million Rs.)		Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required		
	per unit PPP (Rs/KWH)		Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required		
	LDS Invoiced (Million Rs.)		Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required		
LDS	LDS Paid (Million Rs.)		Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required		

2016

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - 220 MW Korangi Combined Cycle Power Plan (Gas)													
Net Capacity (MW)													
	Electricity Generated on	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
under utilization	Gas	12464000	54824000	36130000	96658000	93120000	112080000	123645000	119339000	113946000	122574000	109286000	28002000
	Total	12464000	54824000	36130000	96658000	93120000	112080000	123645000	119339000	113946000	122574000	103286000	28002000
	Under utilization in %	91.61	59.15	75.68	32.78	44.30	30.72	26.04	32.20	29.57	26.68	36.16	83.25
	Un Utilized Capacity (MW)	182.95	118.12	151.14	65.45	99.54	69.03	58.51	64.30	66.44	59.95	81.25	187.06
	FCC (Million Rs.)	55438000	243846000	160698000	429914000	414176000	498508000	549544000	530794000	622828000	669987000	564563000	153058000
EPP - Gas	Total EPP (Million Rs.)	55438000	243846000	160698000	429914000	414176000	498508000	549544000	530794000	622828000	669987000	564563000	153058000
	Per unit FCC (Rs./KWH)	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	5.47
	Per Unit EPP (Rs./KWH)	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	5.47
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
CPP Gas	Capacity Cost Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
	Per unit CPP (Rs./KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
	Total PPP-EPP+CPP (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
PPP Gas	Per unit PPP (Rs./KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
	LDs Involved (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
LDs	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
2015													

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - 220 MW Korangi Combined Cycle Power Plan (Gas)													
Electricity Generated on		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
under utilization	Gas	-164000	-143000	28067000	86861000	99321000	83430000	78473000	83191000	79515000	84128000	66920000	19625000
	Total	-164000	-143000	28067000	86861000	99321000	83430000	78473000	83191000	79515000	84128000	66920000	19625000
	Under utilization in %	100.11	100.11	81.11	39.59	33.15	41.98	47.18	44.01	44.70	43.38	53.46	86.79
	Un Utilized Capacity (MW)	199.92	199.91	161.98	79.06	66.20	83.83	94.23	87.88	89.26	86.62	106.76	173.32
	FCC (Million Rs.)	-769000	-671000	131740000	407703000	466189000	391599000	349029000	370013000	353666000	374184000	297644000	87286000
EPP - Gas	Total EPP (Million Rs.)	-769000	-671000	131740000	407703000	466189000	391599000	349029000	370013000	353666000	374184000	297644000	87286000
	Per unit FCC (Rs./KWH)	4.69	4.69	4.69	4.69	4.69	4.69	4.45	4.45	4.45	4.45	4.45	4.45
	Per Unit EPP (Rs./KWH)	4.69	4.69	4.69	4.69	4.69	4.69	4.45	4.45	4.45	4.45	4.45	4.45
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
	Capacity Cost Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
CPP Gas	Per unit CPP (Rs./KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
	Total PPP-EPP+CPP (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
	Per unit PPP (Rs./KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
	LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required

2014

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - 220 MW Korangi Combined Cycle Power Plan (Gas)											
Net Capacity (MW)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Electricity Generated on											
Gas	7553000	39672000	44510000	41528000	82641000	112020000	112547000	113525000	75898000	67672000	60372000
Total	7553000	39672000	44510000	41528000	82641000	112020000	112547000	113525000	75898000	67672000	60372000
Under utilization in %	94.92	70.44	70.04	71.12	44.38	22.09	24.25	23.59	47.21	54.45	58.01
Un Utilized Capacity (MW)	189.55	140.66	139.87	142.02	88.62	44.12	48.43	47.11	94.29	108.74	115.85
FCC (Million Rs.)	35452000	186210000	208917000	194921000	387896000	525793000	528266000	532856000	356248000	317633000	283372000
Total EPP (Million Rs.)	35452000	186210000	208917000	194921000	387896000	525793000	528266000	532856000	356248000	317633000	283372000
Per unit FCC (Rs/KWH)	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
Per Unit EPP (Rs/KWH)	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
Capacity Cost Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
Per unit CPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
Total PPP-EPP+CPP (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required

2013

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - Korangi Gas Engine - II (Gas)												Net Capacity (MW)				84 608
Electricity Generated on												Oct.	Nov.	Dec.		
under utilization	Gas	25700000	37885000	53826000	39148000											
	Total	25700000	37885000	53826000	39148000	0	0	0	0	0	0	0	0	0	0	0
	Under utilization in %	63.06	41.80	22.64	35.74											
	Un Utilized Capacity (MW)	58.98	39.09	21.17	30.24											
	FCC (Million Rs.)	146492000	215945000	306810000	227981000											
EPP - Gas	Total EPP (Million Rs.)	146492000	215945000	306810000	227981000	0	0	0	0	0	0	0	0	0	0	0
	Per unit FCC (Rs./KWH)	5.70	5.70	5.70	5.82	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Per Unit EPP (Rs./KWH)	5.70	5.70	5.70	5.82	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
CPP Gas	Capacity Cost Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
	Per unit CPP (Rs./KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
	Total PPP-EPP+CPP (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
	Per unit PPP (Rs./KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
LDs	LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required

2016

Plant utilization status - Korangi Gas Engine - II (Gas)

Plant utilization status - Korangi Gas Engine - II (Gas)																									Net Capacity (MW)					84.608
under utilization		Electricity Generated on												Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.					
		Gas	9991000	22146000	14499000	33254000	45635000	46554000	51936000	49486000	47713000	43916000	26262000	16017000																
Total			9991000	22146000	14499000	33254000	45635000	46554000	51936000	49486000	47713000	43916000	26262000	16017000																
Under utilization in %			84.13	61.05	76.97	45.41	27.50	23.58	17.49	28.88	29.14	36.88	61.00	76.98																
Un Utilized Capacity (MW)			71.18	51.65	65.12	38.42	23.27	19.95	14.80	27.01	27.25	34.49	57.05	71.99																
FCC (Million Rs.)			46341000	102719000	67249000	154240000	211662000	215927000	240888000	229525000	271965000	250323000	149695000	91298000																
Total EPP (Million Rs.)			46341000	102719000	67249000	154240000	211662000	215927000	240888000	229525000	271965000	250323000	149695000	91298000																
Per unit FCC (Rs/KWH)			4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	5.70	5.70	5.70	5.70																
Per Unit EPP (Rs/KWH)			4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	5.70	5.70	5.70	5.70																
Capacity Cost Due (Million Rs.)			Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required																
Capacity Cost Paid (Million Rs.)			Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required																
Per unit CPP (Rs/KWH)			#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!																
Total PPP-EPP+CPP (Million Rs.)			#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!																
Per unit PPP (Rs/KWH)			#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!																
LDs Invoiced (Million Rs.)			Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required																
LDs Paid (Million Rs.)			Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required																

2015

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - Korangi Gas Engine - II (Gas)															Net Capacity (MW)				93.52	84.608
	Electricity Generated on	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec.							
under utilization	Gas	12667000	4972000	35574000	6484000	47151000	52799000	57280000	51041000	48117000	48567000	36302000	10489000							
	Total	12667000	4972000	35574000	6484000	47151000	52799000	57280000	51041000	48117000	48567000	36302000	10489000							
	Under utilization in %	79.88	91.26	43.49	89.36	25.10	13.33	9.00	18.92	21.01	22.85	40.41	83.34							
	Un Utilized Capacity (MW)	67.58	77.21	36.79	75.60	21.23	11.28	7.62	16.00	17.78	19.33	34.19	70.51							
EPP - Gas	FCC (Million Rs.)	61999000	24337000	174123000	31735000	230791000	258435000	265674000	236738000	223174000	225265000	168376000	48693000							
	Total EPP (Million Rs.)	61999000	24337000	174123000	31735000	230791000	258435000	265674000	236738000	223174000	225265000	168376000	48693000							
	Per unit FCC (Rs/KWH)	4.89	4.89	4.89	4.89	4.89	4.89	4.64	4.64	4.64	4.64	4.64	4.64							
	Per Unit EPP (Rs/KWH)	4.89	4.89	4.89	4.89	4.89	4.89	4.64	4.64	4.64	4.64	4.64	4.64							
CPP Gas	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required							
	Capacity Cost Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required							
	Per unit CPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required							
	Total PPP-EPP-CPP (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required							
PPP Gas	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required							
	LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required							
	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required							

2014

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - Korangi Gas Engine - II (Gas)																
Electricity Generated on		Jan	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.			
under utilization	Gas	4494000	7533000	15193000	10994000	36595000	54033000	51685000	50116000	26550000	29365000	13235000	14503000			
	Total	4494000	7533000	15193000	10994000	36595000	54033000	51685000	50116000	26550000	29365000	13235000	14503000			
	Under utilization in %	92.86	86.75	75.86	81.95	41.87	11.30	17.89	20.39	56.42	53.35	78.27	76.96			
	Un Utilized Capacity (MW)	78.57	73.40	64.19	69.34	35.42	9.56	15.14	17.25	47.73	45.14	66.23	65.11			
	FCC (Million Rs.)	21998000	36870000	74364000	53811000	179122000	264474000	252980000	245300000	129953000	143732000	64782000	70986000			
EPP - Gas	Total EPP (Million Rs.)	21998000	36870000	74364000	53811000	179122000	264474000	252980000	245300000	129953000	143732000	64782000	70986000			
	Per unit FCC (Rs/KWH)	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89			
	Per unit EPP (Rs/KWH)	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89			
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required			
	Capacity Cost Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required			
CPP	Per unit CPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required			
	Total PPP-EPP+CPP (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required			
	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required			
	LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required			
	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required			

2013

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - Site Gas Engine - II (Gas)															Net Capacity (MW)				93.52	84.608							
2016	Electricity Generated on															Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
	under utilization	Gas	7733000	18830000	55788000	56306000																					
		Total	7733000	18830000	55788000	56306000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
		Under utilization in %	88.89	71.07	19.82	7.57																					
		Un Utilized Capacity (MW)	83.13	66.47	18.54	6.41																					
	EPP - Gas	FCC (Million Rs.)	44075000	107333000	317992000	327900000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
		Total EPP (Million Rs.)	44075000	107333000	317992000	327900000	5.82	5.70	5.70	5.82	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!					
		Per unit FCC (Rs/KWH)	5.70	5.70	5.70	5.82																					
		Per Unit EPP (Rs/KWH)	5.70	5.70	5.70	5.82	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!					
	CPP Gas	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required					
Capacity Cost Paid (Million Rs.)		Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required						
Per unit CPP (Rs/KWH)		Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required						
Per unit CPP (Rs/KWH)		Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required						
PPP Gas	Total PPP-EPP+CPP (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required						
	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required						
	Total PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required						
	LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required						
LDs	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required						
	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required						
	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required						
	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required						

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - Site Gas Engine - II (Gas)										Net Capacity (MW)										93.52	84.608
	Electricity Generated on	Jan										Feb									
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec								
under utilization	Gas	1481000	2960000	331000	1539000	9668000	21685000	46548000	22905000	27665000	25948000	15135000	2422000								
	Total	1481000	2960000	331000	1539000	9668000	21685000	46548000	22905000	27665000	25948000	15135000	2422000								
	Under utilization in %	97.65	94.79	99.47	97.47	84.64	64.40	26.05	63.61	58.91	62.71	77.52	96.52								
	Un Utilized Capacity (MW)	82.62	80.20	84.16	82.47	71.61	54.49	22.04	53.82	55.10	58.64	72.50	90.26								
EPP - Gas	FCC (Million Rs.)	6870000	13731000	1537000	7139000	44843000	100577000	215899000	106239000	157693000	147904000	86271000	13807000								
	Total EPP (Million Rs.)	6870000	13731000	1537000	7139000	44843000	100577000	215899000	106239000	157693000	147904000	86271000	13807000								
	Per unit FCC (Rs/KWH)	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64								
	Per Unit EPP (Rs/KWH)	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64								
CPP Gas	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required								
	Capacity Cost Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required								
	Per unit CPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required								
	Total CPP EPP+CPP (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required								
PPP Gas	Per unit PPP EPP+CPP (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required								
	Total PPP EPP+CPP (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required								
	Per unit PPP (Rs/KWH)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required								
	LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required								
LDs	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required								
		Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required								

2015

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - Site Gas Engine - II (Gas)											
Net Capacity (MW)											
Electricity Generated on	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.
Gas	-325000	-280000	4719000	43997000	21181000	23852000	34702000	26705000	18264000	24277000	10031000
Total	-325000	-280000	4719000	43997000	21181000	23852000	34702000	26705000	18264000	24277000	10031000
Under utilization in %	100.52	100.49	92.50	27.78	66.35	60.85	44.87	57.58	70.02	61.43	83.53
Un Utilized Capacity (MW)	85.04	85.02	78.27	23.50	56.14	51.48	37.97	48.71	59.24	51.98	70.68
FCC (Million Rs.)	-1592000	-1371000	23099000	215351000	103676000	1167479000	160954000	1238660000	84711000	112603000	46526000
Total EPP (Million Rs.)	-1592000	-1371000	23099000	215351000	103676000	1167479000	160954000	1238660000	84711000	112603000	46526000
Per unit FCC (Rs./KWH)	4.90	4.90	4.89	4.89	4.89	4.89	4.64	4.64	4.64	4.64	4.64
Per Unit EPP (Rs./KWH)	4.90	4.90	4.89	4.89	4.89	4.89	4.64	4.64	4.64	4.64	4.64
Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
Capacity Cost Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
Per unit CPP (Rs./KWH)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total PPP-EPP+CPP (Million Rs.)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Per unit PPP (Rs./KWH)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required
LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required

2014

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

[illegible]

Details of Plant Utilization Factor, Fuel Cost Component (FCC), Variable Operation & Maintenance Cost (VO&M), Energy Purchase Price (EPP), Capacity Purchase Price (CPP), Power Purchase Price (PPP) and Liquidated Damages (LDs)

TAPAL Energy Limited (RFO)														Dep. Cap. (MW)	120
	Power Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
2016	under utilization	Under utilization in %	76	37	8	11									
		Av. Unutilized Cap in MW throughout the Month	91	44	9	13									
	EPP -RFO	FCC (Rs/KWH)	5.55	4.12	4.19	4.70									
		VO&M (Rs/KWH)	0.00	0.00	1.05	0.00									
		EPP (Rs/KWH)	5.55	4.12	5.24	4.70									
	CPP RFO	CPP (Rs/KWH)	#####	#####	1.73	#####									
2015	PPP RFO	PPP (KWH)	#####	#####	6.95	#####									
	under utilization	Under utilization in %	45	31	26	9	10	3	29	18	16	17	61	70	
		Av. Unutilized Cap in MW throughout the Month	54	37	31	11	12	4	35	21	19	21	73	83	
	EPP -RFO	FCC (Rs/KWH)	9.16	7.26	8.27	8.05	8.72	10.12	9.42	8.34	6.67	6.46	6.58	6.39	
		VO&M (Rs/KWH)	1.01	1.01	1.01	1.01	0.00	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
		EPP (Rs/KWH)	10.17	8.28	9.29	9.06	8.72	11.14	10.43	9.35	7.68	7.47	7.59	7.40	
	CPP RFO	CPP (Rs/KWH)	2.82	2.46	2.07	1.75	#####	1.64	2.16	1.87	1.89	2.25	4.12	5.09	
2014	PPP RFO	PPP (KWH)	13.00	10.73	11.36	10.81	#####	12.78	12.59	11.22	9.58	9.72	11.71	12.49	
	under utilization	Under utilization in %	27	35	32	30	21	13	12	16	14	33	38	44	
		Av. Unutilized Cap in MW throughout the Month	33	41	39	36	25	15	14	19	16	40	46	52	
	EPP -RFO	FCC (Rs/KWH)	15.25	15.10	14.91	14.03	13.82	14.23	14.46	14.07	14.11	14.23	14.11	11.36	
		VO&M (Rs/KWH)	1.04	1.04	1.04	1.04	1.04	1.04	1.00	1.00	1.00	1.00	1.09	1.00	
		EPP (Rs/KWH)	16.28	16.14	15.94	15.06	14.85	15.27	15.45	15.07	15.11	15.23	15.20	12.36	
	CPP RFO	CPP (Rs/KWH)	2.18	2.69	2.35	2.31	1.96	1.84	1.70	1.78	1.80	2.27	2.54	2.69	
2013	PPP RFO	PPP (KWH)	18.47	18.83	18.29	17.38	16.81	17.11	17.15	16.85	16.91	17.50	17.74	15.04	
	under utilization	Under utilization in %	39	29	16	12	13	9	11	25	13	12	35	32	
		Av. Unutilized Cap in MW throughout the Month	46	35	19	15	15	11	13	30	16	14	42	38	
	EPP -RFO	FCC (Rs/KWH)	14.21	14.64	14.89	14.62	14.20	14.19	14.33	14.32	14.80	15.27	15.42	15.41	
		VO&M (Rs/KWH)	0.92	0.93	0.92	0.92	0.92	0.92	0.96	0.96	0.96	0.96	0.96	0.96	
		EPP (Rs/KWH)	15.14	15.57	15.82	15.55	15.13	15.11	15.30	15.28	15.76	16.23	16.38	16.37	
	CPP RFO	CPP (Rs/KWH)	2.34	2.28	1.70	1.70	1.65	1.64	1.65	1.96	1.76	1.72	2.42	2.21	
	PPP RFO	PPP (KWH)	17.47	17.85	17.52	17.25	16.78	16.75	16.95	17.24	17.52	17.95	18.80	18.59	

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - TAPAL Energy Limited (RFO)													Net Capacity (MW)					119.5
	Electricity Generated on																	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec						
under utilization	RFO	21080000	52337000	81901000	76909000													
	Total	21080000	52337000	81901000	76909000	0	0	0	0	0	0	0	0	0	0	0	0	
	Under utilization in %	76.29	37.07	7.88	10.61													
	Un Utilized Capacity (MW)	91.17	44.30	9.42	12.68													
EPP - RFO	FCC (Million Rs.)	116946000	215639000	342902000	361109000													
	Variable O&M (Million Rs.)			85865000														
	Total EPP (Million Rs.)	116946000	215639000	428767000	361109000	0	0	0	0	0	0	0	0	0	0	0	0	
	Per unit FCC (Rs/KWH)	5.55	4.12	4.19	4.70	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
CPP RFO	Per unit VO&M Cost (Rs/KWH)	0.00	0.00	1.05	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
	Per Unit EPP (Rs/KWH)	5.55	4.12	5.24	4.70	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
	Capacity Cost Due (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	
	Capacity Cost Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	
PPP RFO	Per unit CPP (Rs/KWH)	#VALUE!	#VALUE!	1.73	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	
	Total PPP-EPP+CPP (Million Rs.)	#VALUE!	#VALUE!	57025000	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	
	Per unit PPP (Rs/KWH)	#VALUE!	#VALUE!	6.96	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	
	LDs Invoice (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	
LDs	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	

2016

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Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - TAPAL Energy Limited (RFO)														Net Capacity (MW)						119.5
	Electricity Generated on	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec							
under utilization	RFO	48468000	55685000	66039000	78161000	80186000	83114000	63093000	73097000	72077000	73618000	33452000	27048000							
	Total	48468000	55685000	66039000	78161000	80186000	83114000	63093000	73097000	72077000	73618000	33452000	27048000							
Under utilization in %														69.58						
Un Utilized Capacity (MW)														83.15						
EPP- RFO	FCC (Million Rs.)	443962000	404438000	546186000	629026000	699059000	841274000	594056000	609393900	480797000	475570000	220175000	172859000							
	Variable O&M (Million Rs.)	491900000	565150000	670220000	793250000		843520000	637870000	739010000	728700000	744280000	338200000	273450000							
	Total EPP (Million Rs.)	493152000	460953000	613208000	708351000	699059000	925626000	657843000	683294900	553667000	549988000	253995000	200204000							
	Per unit FCC (Rs./KWH)	9.16	7.26	8.27	8.05	8.72	10.12	9.42	8.34	6.67	6.46	6.58	6.39							
	Per unit VO&M Cost (Rs./KWH)	1.01	1.01	1.01	1.01	0.00	1.01	1.01	1.01	1.01	1.01	1.01	1.01							
	Per Unit EPP (Rs./KWH)	10.17	8.28	9.29	9.06	8.72	11.14	10.43	9.35	7.68	7.47	7.59	7.40							
	Capacity Cost Due (Million Rs.)	136753000	136753000	136753000	136571000	Required	136571000	136575000	136575000	136575000	165575000	137664000	137664000							
CPP RFO	Capacity Cost Paid (Million Rs.)	136753000	136753000	136753000	136571000	Required	136571000	136575000	136575000	136575000	165575000	137664000	137664000							
	Per unit CPP (Rs./KWH)	2.82	2.46	2.07	1.75	#VALUE!	1.64	2.16	1.87	1.89	2.25	4.12	5.09							
	Total PPP-EPP+CPP (Million Rs.)	629905000	597706000	749961000	844922000	#VALUE!	1062197000	794418000	819869900	690242000	715573000	391659000	337868000							
PPR RFO	Per unit PPP (Rs./KWH)	13.00	10.73	11.36	10.81	#VALUE!	12.78	12.59	11.22	9.58	9.72	11.71	12.49							
	LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required							
LDs	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required							

2015

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - TAPAL Energy Limited (RFO)																								Net Capacity (MW)				119.5
under utilization	Electricity Generated on																								Required	Required		
	Jan	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required				
RFO	64672000	52459000	60084000	59830000	70582000	75225000	78478000	74790000	74191000	59480000	53090000	50148000																
Total	64672000	52459000	60084000	59830000	70582000	75225000	78478000	74790000	74191000	59480000	53090000	50148000																
Under utilization in %	27.26	34.67	32.42	30.46	20.61	12.57	11.73	15.88	13.77	33.10	38.30	43.60																
Un Utilized Capacity (MW)	32.58	41.44	38.74	36.40	24.63	15.02	14.02	18.98	16.46	39.55	45.76	52.10																
FCC (Million Rs.)	986192000	792092000	895564000	839288000	975212000	1070773000	1134494000	1052228500	1046904000	846617000	748872000	569579000																
Variable O&M (Million Rs.)	66987000	54337000	62235000	61972000	73108000	77918000	78297000	74618000	74020000	59343000	57956000	50033000																
Total EPP (Million Rs.)	1053179000	846429000	957799000	901160000	1048320000	1148691000	1212791000	1126846500	1120924000	905960000	806828000	639612000																
Per unit FCC (Rs/KWH)	15.25	15.10	14.91	14.03	13.82	14.23	14.46	14.07	14.11	14.23	14.11	11.36																
Per unit VO&M Cost (Rs/KWH)	1.04	1.04	1.04	1.04	1.04	1.04	1.00	1.00	1.00	1.00	1.09	1.00																
Per Unit EPP (Rs/KWH)	16.28	16.14	15.94	15.06	14.85	15.27	15.45	15.07	15.11	15.23	15.20	12.36																
Capacity Cost Due (Million Rs.)	141208000	141208000	141208000	138444000	138444000	138444000	133455000	133455000	133455000	134834000	134834000	134834000																
Capacity Cost Paid (Million Rs.)	141208000	141208000	141208000	138444000	138444000	138444000	133455000	133455000	133455000	134834000	134834000	134834000																
Per unit CPP (Rs/KWH)	2.18	2.69	2.35	2.31	1.96	1.84	1.70	1.78	1.80	2.27	2.54	2.69																
Total PPP-EPP+CPP (Million Rs.)	1194387000	987637000	1099007000	1039604000	1186764000	1287135000	1346246000	1260301500	1254379000	1040794000	941662000	754446000																
Per unit PPP (Rs/KWH)	18.47	18.83	18.29	17.38	16.81	17.11	17.15	16.85	16.91	17.50	17.74	15.04																
LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required																
LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required																

2014

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Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - TAPAL Energy Limited (RFO)																						Net Capacity (MW)					119.5
Electricity Generated on		Jan	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.														
under utilization	RFO	54378000	56951000	74628000	75569000	77626000	78055000	79242000	66808000	74573000	78187000	55536000	60863000														
	Total	54378000	56951000	74628000	75569000	77626000	78055000	79242000	66808000	74573000	78187000	55536000	60863000														
	Under utilization in %	38.84	29.08	16.06	12.17	12.69	9.28	10.87	24.86	13.33	12.06	35.45	31.54														
	Un Utilized Capacity (MW)	46.41	34.75	19.19	14.54	15.16	11.09	12.99	29.70	15.93	14.41	42.37	37.69														
EPP - RFO	FCC (Million Rs.)	772752000	833842000	1111337000	1105134000	1102500000	1107292000	1135598000	956851100	1103593000	1193525000	856324000	938068000														
	Variable O&M (Million Rs.)	50288000	52688000	69016000	69887000	71789000	72185000	76159000	64210000	71672000	75145000	53375000	58495000														
	Total EPP (Million Rs.)	823040000	886530000	1180353000	1175021000	1174289000	1179477000	1212067000	1021061100	1175265000	1268670000	909703000	996563000														
	Per unit FCC (Rs/KWH)	14.21	14.64	14.89	14.62	14.20	14.19	14.33	14.32	14.80	15.27	15.42	15.41														
	Per unit VO&M Cost (Rs/KWH)	0.92	0.93	0.92	0.92	0.92	0.92	0.96	0.96	0.96	0.96	0.96	0.96	0.96													
CPP RFO	Per Unit EPP (Rs/KWH)	15.14	15.57	15.82	15.55	15.13	15.11	15.30	15.28	15.76	16.23	16.38	16.37														
	Capacity Cost Due (Million Rs.)	126993000	129993000	126993000	128266000	128266000	128266000	130962000	130962000	130962000	134636000	134636000	134636000														
	Capacity Cost Paid (Million Rs.)	126993000	129993000	126993000	128266000	128266000	128266000	130962000	130962000	130962000	134636000	134636000	134636000														
	Per unit CPP (Rs/KWH)	2.34	2.28	1.70	1.70	1.65	1.64	1.65	1.96	1.76	1.72	2.42	2.21														
PPP RFO	Total PPP-EPP+CPP (Million Rs.)	956033000	1016523000	1307346000	1303287000	1302555000	1307743000	1343029000	1152023100	1306227000	1403306000	1044339000	1131199000														
	Per unit PPP (Rs/KWH)	17.47	17.85	17.52	17.25	16.78	16.75	16.95	17.24	17.52	17.95	18.80	18.59														
LDs	LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required														
	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required														

2013

Details of Plant Utilization Factor, Fuel Cost Component (FCC), Variable Operation & Maintenance Cost (VO&M), Energy Purchase Price (EPP), Capacity Purchase Price (CPP), Power Purchase Price (PPP) and Liquidated Damages (LDs)														
Gul Ahmed Power Plant (RFO)														Dep. Cap. (MW)
														125
	Power Plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
2016	under utilization	Under utilization in %	77	61	30	27								
		Av. Unutilized Cap in MW throughout the Month	97	77	38	33								
	EPP-RFO	FCC (Rs/KWH)	6.74	5.23	4.35	4.81								
		VO&M (Rs/KWH)	0.00	0.00	0.61	0.00								
		EPP (Rs/KWH)	6.74	5.23	4.96	4.81								
	CPP RFO	CPP (Rs/KWH)	####	####	1.99	####								
	PPP RFO	PPP (KWH)	####	####	6.95	####								
	under utilization	Under utilization in %	60	30	37	17	20	14	25	21	22	23	65	72
		Av. Unutilized Cap in MW throughout the Month	76	38	47	21	25	18	31	26	27	29	82	90
2015	EPP-RFO	FCC (Rs/KWH)	8.69	7.79	9.50	8.89	9.63	10.46	9.90	8.96	7.10	6.62	7.13	7.13
		VO&M (Rs/KWH)	0.59	0.59	0.59	0.59	0.00	0.58	0.59	0.59	0.59	0.59	0.59	0.59
		EPP (Rs/KWH)	9.29	8.38	10.09	9.48	9.63	11.04	10.49	9.55	7.69	7.21	7.72	7.72
	CPP RFO	CPP (Rs/KWH)	3.07	2.06	2.15	1.67	####	1.62	1.79	1.70	1.77	1.56	3.68	4.80
	PPP RFO	PPP (KWH)	12.35	10.45	12.24	11.15	####	12.66	12.27	11.25	9.46	8.77	11.40	12.52
	under utilization	Under utilization in %	64	56	40	20	16	16	25	29	24	49	52	57
		Av. Unutilized Cap in MW throughout the Month	80	70	50	25	20	21	31	36	30	61	65	71
	EPP-RFO	FCC (Rs/KWH)	15.86	15.42	15.70	13.91	13.59	14.88	15.02	14.88	15.40	15.64	13.58	11.49
		VO&M (Rs/KWH)	0.60	0.60	0.60	0.60	0.60	0.60	0.58	0.58	0.58	0.58	0.58	0.58
		EPP (Rs/KWH)	16.46	16.03	16.30	14.51	14.19	15.48	15.61	15.46	15.98	16.22	14.16	12.07
2014	CPP RFO	CPP (Rs/KWH)	3.85	3.45	2.30	1.76	1.63	1.69	1.75	1.86	1.79	2.34	2.57	2.76
	PPP RFO	PPP (KWH)	20.31	19.48	18.60	16.27	15.82	17.18	17.36	17.32	17.77	18.56	16.73	14.83
	under utilization	Under utilization in %	80	81	80	77	62	52	60	71	45	44	65	66
		Av. Unutilized Cap in MW throughout the Month	100	102	100	96	78	65	76	89	57	55	82	83
	EPP-RFO	FCC (Rs/KWH)	14.75	15.24	15.74	15.21	14.89	15.02	15.11	15.20	16.10	16.45	16.29	16.32
		VO&M (Rs/KWH)	0.54	0.54	0.54	1.02	0.53	0.54	0.56	0.56	0.56	0.56	0.56	0.56
		EPP (Rs/KWH)	15.29	15.78	16.28	16.22	15.42	15.56	15.67	15.76	16.66	17.01	16.85	16.88
	CPP RFO	CPP (Rs/KWH)	6.10	7.38	6.20	5.57	3.66	2.71	3.24	4.40	2.42	2.34	3.91	3.85
	PPP RFO	PPP (KWH)	21.38	23.16	22.48	21.79	19.08	18.27	18.91	20.16	19.09	19.35	20.76	20.73
	under utilization	Under utilization in %	80	81	80	77	62	52	60	71	45	44	65	66
		Av. Unutilized Cap in MW throughout the Month	100	102	100	96	78	65	76	89	57	55	82	83
2013	EPP-RFO	FCC (Rs/KWH)	14.75	15.24	15.74	15.21	14.89	15.02	15.11	15.20	16.10	16.45	16.29	16.32
		VO&M (Rs/KWH)	0.54	0.54	0.54	1.02	0.53	0.54	0.56	0.56	0.56	0.56	0.56	0.56
		EPP (Rs/KWH)	15.29	15.78	16.28	16.22	15.42	15.56	15.67	15.76	16.66	17.01	16.85	16.88
	CPP RFO	CPP (Rs/KWH)	6.10	7.38	6.20	5.57	3.66	2.71	3.24	4.40	2.42	2.34	3.91	3.85
	PPP RFO	PPP (KWH)	21.38	23.16	22.48	21.79	19.08	18.27	18.91	20.16	19.09	19.35	20.76	20.73
	under utilization	Under utilization in %	80	81	80	77	62	52	60	71	45	44	65	66
		Av. Unutilized Cap in MW throughout the Month	100	102	100	96	78	65	76	89	57	55	82	83
	EPP-RFO	FCC (Rs/KWH)	14.75	15.24	15.74	15.21	14.89	15.02	15.11	15.20	16.10	16.45	16.29	16.32
		VO&M (Rs/KWH)	0.54	0.54	0.54	1.02	0.53	0.54	0.56	0.56	0.56	0.56	0.56	0.56
		EPP (Rs/KWH)	15.29	15.78	16.28	16.22	15.42	15.56	15.67	15.76	16.66	17.01	16.85	16.88
	CPP RFO	CPP (Rs/KWH)	6.10	7.38	6.20	5.57	3.66	2.71	3.24	4.40	2.42	2.34	3.91	3.85
	PPP RFO	PPP (KWH)	21.38	23.16	22.48	21.79	19.08	18.27	18.91	20.16	19.09	19.35	20.76	20.73

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - Gul Ahmed Power Plant (RFO)													125.3
Net Capacity (MW)													
	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
Electricity Generated on													
RFO	21075000	33684000	65275000	66235000									
Total	21075000	33684000	65275000	66235000	0	0	0	0	0	0	0	0	0
Under utilization in %	77.39	61.38	29.98	26.58									
Un Utilized Capacity (MW)	96.97	76.90	37.56	33.31									
FCC (Million Rs.)	141949000	176201000	283700000	318451000									
Variable O&M (Million Rs.)			39948000										
Total EPP (Million Rs.)	141949000	176201000	323648000	318451000	0	0	0	0	0	0	0	0	0
Per unit FCC (Rs/KWH)	6.74	5.23	4.35	4.81	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Per unit VO&M Cost (Rs/KWH)	0.00	0.00	0.61	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Per Unit EPP (Rs/KWH)	6.74	5.23	4.96	4.81	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Capacity Cost Due (Million Rs.)	Reqd	Required	130015000	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd
Capacity Cost Paid (Million Rs.)	Reqd	Required	130015000	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd
Per unit CPP (Rs/KWH)	#VALUE!	#VALUE!	1.99	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total PPP-EPP+CPP (Million Rs.)	#VALUE!	#VALUE!	453663000	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Per unit PPP (Rs/KWH)	#VALUE!	#VALUE!	6.95	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
LDs Invoiced (Million Rs.)	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd
LDs Paid (Million Rs.)	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd	Reqd

2016

[illegible]

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - Gul Ahmed Power Plant (RFO)													Net Capacity (MW)					125.3
	Electricity Generated on	Jan	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.					
under utilization	RFO	33625000	37447000	56187000	72520000	78466000	75406000	70223000	66099000	68660000	47503000	43319000	40363000					
	Total	33625000	37447000	56187000	72520000	78466000	75406000	70223000	66099000	68660000	47503000	43319000	40363000					
	Under utilized in %	63.93	55.53	39.73	19.62	15.83	16.42	24.67	29.10	23.89	49.04	51.98	56.70					
	Un Utilized Capacity (MW)	80.11	69.58	49.78	24.58	19.83	20.57	30.91	36.46	29.94	61.45	65.13	71.05					
EPP-RFO	FCC (Million: Rs.)	533237000	577559000	881602000	1008604000	1066296000	1121979000	1054943000	9834934000	1057092000	742774000	588191000	463705000					
	Variable O&M (Million Rs.)	20333000	22644000	33977000	43853000	47449000	45598000	40904000	38496000	39988000	27666000	25279000	23507000					
	Total EPP (Million Rs.)	553570000	600203000	91879000	1052457000	1113748000	1167527000	1095847000	10219894000	1097080000	770440000	613420000	487212000					
	Per unit FCC (Rs/KWH)	15.86	15.42	15.70	13.91	13.59	14.88	15.02	14.88	15.40	15.64	13.58	11.49					
	Per unit VO&M Cost (Rs/KWH)	0.60	0.60	0.60	0.60	0.60	0.58	0.58	0.58	0.58	0.58	0.58	0.58					
	Per Unit EPP (Rs/KWH)	16.46	16.03	16.30	14.51	14.19	15.48	15.61	15.46	15.98	16.22	14.16	12.07					
CPP RFO	Capacity Cost Due (Million Rs.)	129308000	129308000	129308000	127775000	127775000	127775000	123121000	123121000	123121000	111333000	111333000	111333000					
	Capacity Cost Paid (Million Rs.)	129308000	129308000	129308000	127775000	127775000	127775000	123121000	123121000	123121000	111333000	111333000	11133000					
	Per unit CPP (Rs/KWH)	3.85	3.45	2.30	1.76	1.63	1.69	1.75	1.86	1.79	2.34	2.57	2.76					
PPP RFO	Total PPP-EPP+CPP (Million Rs.)	682878000	729511000	1045187000	1180232000	1241523000	1295302000	1218968000	11451104000	1220201000	881773000	724753000	598545000					
	Per unit PPP (Rs/KWH)	20.31	19.48	18.60	16.27	15.82	17.18	17.36	17.32	17.77	18.56	16.73	14.83					
LDs	LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required					
	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required					

2014

Plant utilization status (K-Electric Own & IPPs Exclusively Supplying Electricity to K-Electric)

Plant utilization status - Gul Ahmed Power Plant (RFO)													Net Capacity (MW)					125.3
	Electricity Generated on												Dec.					
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov							
under utilization	RFO	15019000	15709000	18691000	20953000	35082000	43071000	37041000	27271000	49505000	52031000	31226000	31689000					
	Total	15019000	15709000	18691000	20953000	35082000	43071000	37041000	27271000	49505000	52031000	31226000	31689000					
	Under utilization in %	79.60	81.34	79.95	76.77	62.37	52.26	60.27	70.75	45.13	44.19	65.39	66.01					
	Un Utilized Capacity (MW)	99.74	101.92	100.18	96.20	78.15	65.48	75.51	88.65	56.54	55.37	81.93	82.71					
EPP- RFO	FCC (Million Rs.)	280475000	239342000	294115000	318605000	522278000	646794000	559677000	414615000	797134000	855695000	508719000	517171000					
	Variable O&M (Million Rs.)	10268000	8481000	10091000	21313000	18753000	23254000	20784000	15302000	27777000	29194000	17521000	17781000					
	Total EPP (Million Rs.)	290743000	247823000	304206000	339918000	541031000	670048000	580461000	429917000	824911000	884889000	526240000	534952000					
	Per unit FCC (Rs./KWH)	14.75	15.24	15.74	15.21	14.89	15.02	15.11	15.20	16.10	16.45	16.29	16.32					
CPP RFO	Per unit VO&M Cost (Rs./KWH)	0.54	0.54	0.54	1.02	0.53	0.54	0.56	0.56	0.56	0.56	0.56	0.56					
	Per Unit EPP (Rs./KWH)	15.29	15.78	16.28	16.22	15.42	15.56	15.67	15.76	16.66	17.01	16.85	16.88					
	Capacity Cost Due (Million Rs.)	115960000	115960000	115960000	116666000	128266000	116666000	119951000	119951000	119951000	121989000	121989000	121989000					
	Capacity Cost Paid (Million Rs.)	115960000	115960000	115960000	116666000	128266000	116666000	119951000	119951000	119951000	121989000	121989000	121989000					
PPP RFO	Per unit CPP (Rs./KWH)	6.10	7.38	6.20	5.57	3.66	2.71	3.24	4.40	2.42	2.34	3.91	3.85					
	Total PPP-EPP+CPP (Million Rs.)	406703000	363783000	420166000	456384000	669297000	786714000	700412000	549868000	944862000	1006878000	648229000	656941000					
	Per unit PPP (Rs./KWH)	21.38	23.16	22.48	21.79	19.08	18.27	18.91	20.16	19.09	19.35	20.76	20.73					
	LDs Invoiced (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required					
LDs	LDs Paid (Million Rs.)	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required	Required					

The Registrar
National Electric Power Regulatory Authority
Islamabad

Ref. No. RA&SP/NEPRA/195
Dated: September 01, 2016

Subject: Intervention request regarding the proceedings of K-Electric's Multi Year Tariff (MYT) Petition for the period commencing from July 1, 2016 to June 30, 2026.

Dear Sir,

This is with reference to letter no. NEPRA/SAT-I/TRF-362/10664 dated August 01, 2016. Our response to the comments of Mr. Anwar Kamal, are given below:

With respect to concerns on KE's import of power from NTDC, it should be noted that KE procures power from IPPs and NTDC in addition to its own generation so that it has the ability to meet the growing demand of Karachi. Given the limited resources available, KE has always strived to optimize generation output and has never intentionally reduced generation capacity. It should be noted that certain factors such as gas availability, ambient temperature, availability of gas load, planned and unplanned outages, force majeure etc. play an important role in determining the available capacity at a certain period of time.

Further, as required by NEPRA, KE follows an Economic Merit Order (EMO). As per the EMO, power plants are placed in a hierarchy based on their cost effectiveness. The most cost effective plant/power source is utilized first followed by the next in line and so on. The purpose of following the EMO is to produce power at the lowest possible cost so that the end consumer does not bear the burden of high fuel cost due to inefficient operations. KE utilizes power from NTDC on this basis and hence has consumer's interest in mind.

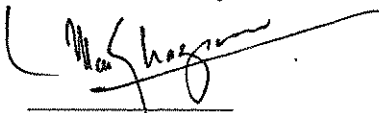
With respect to the interveners suggestion that KE should be added to country wide generation basket, it should be understood that KE is the only privatized and vertically integrated utility operating in Pakistan with end to end responsibility of generation to distribution without any sovereign guarantee. Hence, making it part of one generation basket is administratively and commercially not possible under existing power generation structure in Pakistan.

With respect to marginal cost, we would like to state that it was ECC's decision to treat KE at par with other DISCOs for power purchases from NTDC and accordingly NEPRA has approved KE's monthly and quarterly tariff determinations using the basket rate, as applicable for other DISCO's. Here it is important to understand that the fuel costs are pass through in KE's tariff and therefore if KE is able to supply cheap power, the end consumers benefit the most and not the utility itself.

Any reduction of 650 MW from NTDC would result in prolonged hours of load shedding across the city of Karachi and its industrial zones which would have a negative impact on Pakistan's economy and would not be in the interest of all stakeholders.

Further KE would like to state that the issues briefly discussed above are sub-judice and the position taken by KE is entirely consistent with its legal position and rights under the law.

Sincerely,



M. Aamir Ghaziani
Director (Finance & Regulations)

Registrar
10343
28-10-16

The Registrar
National Electric Power Regulatory Authority
Islamabad

For information &
reply to:
— SAT-2
GPR 10:
— SA (Tech)
— DG (MRE)
— M/f

28.10.16
cc: chairman
VC/M(T)
M(LC)
M(CA)



Ref. No. RA&SP/NEPRA/071/1478
Dated: October 24, 2016

Subject: Hearing in the matter of Adjustment request in Tariff of K-Electric for the Quarter Ended June, 2016.

Dear Sir

8/11

SAT-2

This is with reference to letter no. NEPRA/SAT-I/TRF-133/13724 dated October 04, 2016. Our response to the comments of Mr. Anwar Kamal, are given below:

With respect to the privatization comments we would like to state that KE's privatization was done after full filling all requirements / approvals. It is important to note that KE was in a precarious financial situation before privatization and was incurring huge losses. This financial burden was being borne by GOP in form of operational subsidies provided to the company to keep it afloat.

After privatization, K-Electric has now completely changed from an unsustainable loss making entity to an efficiently run profitable utility. This was achieved by investment of Rs. 120.7 billion across the value chain since FY09 which increased the generation capacity by 1,037 MW, fleet efficiency increased from 30.4% to 37%, system resilience improved through the reduction of SAIDI by 861 minutes (40%) in last four years, and the reduction of SAIFI by 73% from FY09 to FY15. Further, transformer tripping reduced by 60% between FY09 and FY15, T&D losses reduced from 35.9% in FY09 to 23.7% in FY 15 and 61% of the city has been exempt from load shed. Industry has been kept load shed free since 2010, which has directly contributed to positive economic growth. Therefore, not only privatization has resulted in increase of available capacity but reliability of network has also increased significantly.

With respect to Fuel Cost Adjustments' (FCAs') comments, it should be noted that the process for FCA determination is transparent and complies with the laws and regulation. For the purpose KE submits all the supporting documents along with its monthly petition which are verified by the Authority, a hearing is conducted to discuss and evaluate the application and after review and approval determination for monthly FCA is made by the Authority.

With respect to concerns on KE's import of power from NTDC and underutilization KE power plants, it should be noted that KE procures power from IPPs and NTDC in addition to its own generation so that it has the ability to meet the growing demand of Karachi. Given the limited resources available, KE has always strived to optimize generation output and has never intentionally reduced generation capacity. It should be noted that certain factors such as gas availability, ambient temperature, availability of gas load, planned and unplanned outages, force majeure etc. play an important role in determining the available capacity at a certain period of time. Any reduction of 650 MW from NTDC would result in prolonged hours of load shedding across the city of Karachi and its industrial

zones which would have a negative impact on Pakistan's economy and would not be in the interest of all stakeholders.

Further, as required by NEPRA, KE follows an Economic Merit Order (EMO). As per the EMO, power plants are placed in a hierarchy based on their cost effectiveness. The most cost effective plant/power source is utilized first followed by the next in line and so on. The purpose of following the EMO is to produce power at the lowest possible cost so that the end consumer does not bear the burden of high fuel cost due to inefficient operations. KE utilizes power from NTDC on this basis and hence has consumer's interest in mind.

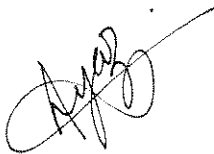
With respect to the intervener's suggestion that KE should be added to country wide generation basket, it should be understood that KE is the only privatized and vertically integrated utility operating in Pakistan with end to end responsibility of generation to distribution without any sovereign guarantee. Hence, making it part of one generation basket is administratively and commercially not possible under existing power generation structure in Pakistan. Further any reduction of 650 MW from NTDC would result in prolonged hours of load shedding across the city of Karachi and its industrial zones which would have a negative impact on Pakistan's economy and would not be in the interest of all stakeholders.

With respect to marginal cost, we would like to state that it was ECC's decision to treat KE at par with other DISCOs for power purchases from NTDC and accordingly NEPRA has approved KE's monthly and quarterly tariff determinations using the basket rate, as applicable for other DISCO's. Here it is important to understand that the fuel costs are pass through in KE's tariff and therefore if KE is able to supply cheap power, the end consumers benefit the most and not the utility itself.

With respect to intervener's comment on subsidy, it is pertinent to mention that KE has not received any subsidy for operational support from GOP since privatization. It is important to understand that the Government has a uniform tariff policy for consumers across Pakistan and accordingly does not allow DISCOs like KE to charge full determined tariff to the consumers. As per this policy the GOP bears the burden of the differential between the determined tariff (given by NEPRA) and the lower applicable tariff that is charged to the end consumer. This is called the 'Tariff Differential Claim (TDC)' and is a relief for customers and not a subsidy to support KE. Tariff Differential claims are filed as per notified rates and are duly verified by the Ministry.

Further KE would like to state that the issues briefly discussed above are sub-judice and the position taken by KE is entirely consistent with its legal position and rights under the law.

Sincerely,



M. Aamir Ghaziani
Director (Finance & Regulations)