



BAHRIA TOWN

BAHRIA TOWN

Private Limited

Corporate Head Office
Bahria Orchard, Raiwind Road,
Bahria Town Lahore
Tel: 042-35451384
Fax: 042-35341610

Ref: BTL/Svcs/Elect/PL/28-011

Dated: 23 Feb 2024

The Registrar

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

Subject: **APPLICATION FOR GRANT OF ELECTRIC POWER
SUPPLY LICENSE**

I, Brig Bakhtiyawar Lal Hussain (Retd) being the duly authorized representative of Bahria Town (Private) Limited, by virtue of attached Board Resolution hereby apply to the National Electric Power Regulatory Authority for the grant of an Electric Power Supplier of the Last Resort license to Bahria Town (Private) Limited for the projects of Bahria Town, Mohlanwal, Lahore and Bahria Orchards, Raiwind Road, Lahore pursuant to Section 23-E of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997.

I hereby certify that the documents-in-support attached with this application are prepared and submitted in conformity with the provisions of the National Electric Power Regulatory Authority Licensing (Application, Modification, Extension and Cancellation) Procedure Regulations, 2021, as well as the Eligibility Criteria (Electric Power Supplier Licences) Rules, 2023 and undertake to abide by the terms and provisions of the above-said regulations and rules.

I further undertake and confirm that the information provided in the attached documents-in-support is true and correct to the best of my knowledge and no material omission has been made.

The Licence Application Fee will be remitted on receipt of Demand Note of the exact amount from NEPRA.

Bakhtiyawar

(Brig Bakhtiyawar Lal Hussain Retd)
Director Services Bahria Town Lahore



E-STAMP



ID: PB-LHR- 85381108A2BF9FBF
Type: Low Denomination
Amount: Rs 300/-

Scan for online verification

Description: AFFIDAVIT – 4
Applicant: BAHRIA TOWN PVT LTD [00000-0000000-0]
Representative From: BAHRIA TOWN PVT LTD
Agent: Self
Address: Lahore
Issue Date: 18-Jan-2024 11:46:10 AM
Delisted On/Validity: 25-Jan-2024
Amount in Words: Three Hundred Rupees Only
Reason: NEPRA ISLAMABAD
Vendor Information: Muhammad Javed | PB-LHR-832 | Kahna Nu Lahore

MUHAMMAD JAVED
Lit. # 832 K0
Kahna Nu Lahore

نوٹ: یہ فرقہ بکنٹن تاریخ اور سے سات دنوں تک کے لیے قابل مستعمل ہے۔ ای اسٹامپ تصدیق کی سہولت ویب پتھرہ کوڈ کیونکر ایس یا ایم ایس جا کی سے ہے۔

Type "eStamp <16 digit eStamp Number>" send to 8100

BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

"Application for seeking Electric Power Supply License for Bahria Town, Mohlanwal, Lahore and Bahria Orchards, Raiwind Road, Lahore"

ON BEHALF OF BAHRIA TOWN (PRIVATE) LIMITED

AFFIDAVIT

I, Brig Bakhtiyawar Lal Hussain (Retd) Director Services, holding CNIC No. 35201-2986374-3 of **Bahria Town (Private) Limited** hereby solemnly affirm and declare that the contents of the accompanying Application for Supply Licence (the "License") is true and correct to the best of my knowledge and belief and the nothing material has been concealed there from.

I also affirm that all further documentation and information to be provided by me in connection with the accompanying application for Supply License will also be true to the best of my knowledge and belief.

Bakhtiyawar
DEPONENT

Brig Bakhtiyawar Lal Hussain (Retd)
Director Services Bahria Town Lahore

Date 25 Jan 2024



MUHAMMAD HANIF
ADVOCATE
HIGH COURT LAHORE
PAKISTAN



BAHRIA TOWN

BAHRIA TOWN
— PRIVATE LIMITED —
YOUR LIFESTYLE DESTINATION

کسٹمر سپورٹ سنٹر
بجریہ کمپلیکس، فیز 8
بجریہ ٹاؤن راولپنڈی

Customer Support Center
Bahria Complex, Phase 8
Bahria Town Rawalpindi.



10
INTERNATIONAL
PROPERTY
AWARDS

**CERTIFIED TRUE COPY OF THE EXTRACT OF A RESOLUTION
PASSED BY THE BOARD OF DIRECTORS OF BAHRIA TOWN (PRIVATE)
LIMITED, HAVING ITS REGISTERED OFFICE AT CORPORATE HEAD
OFFICE BAHRIA ORCHARD, RAIWIND ROAD LAHORE**

**"Application for seeking Electric Power Supply License for Bahria Town,
Mohlanwal, Lahore and Bahria Orchards, Raiwind Road, Lahore"**

WHEREAS, the Management of Bahria Town (Private) Limited (herein referred the "Company") desirous of applying to the National Electric Power Regulatory Authority (NEPRA) for Electric Power Supply License in respect of Bahria Town at Mohlanwal, Lahore and Bahria Orchards at Raiwind Road, Lahore.

RESOLVED THAT the Board of Directors of the Company hereby approve to file **Application for seeking Electric Power Supply License** (The "Application") under NEPRA laws with the National Electric Power Regulatory Authority (NEPRA).

FURTHER RESOLVED that the Company be and hereby authorizes Brig Bakhtiyawar Lal Hussain (Retd) Director Services of the Company holding CNIC No. 35201-2986374-3 to file the Application, deposit fees and submit documents/License Applications for Electric Power Supply Licence of the Company with NEPRA, and any documentation ancillary thereto.

FURTHER RESOLVED that the Company be and hereby authorizes and empowers Brig Bakhtiyawar Lal Hussain (Retd) to do all acts and things necessary/incidental for the processing, completion and finalization of the Applications as he may deem fit on behalf of the Company.

FURTHER RESOLVED THAT M/s Saqlain & Husnain Advocates and Corporate Counsels, 65/3, FCC, Gulberg IV Lahore to appear and act for the Company as its counsel in connection with the processing, presentation of the Company's Supply Licence. Further resolved that the said Advocates or any one of them to do all acts and things necessary for the processing, completion and finalization of the Applications with NEPRA with concurrence of the Authorized Person.

FURTHER RESOLVED THAT a certified true copy of this resolution be communicated to whom it may concern and shall remain in force until notice in writing to the contrary be given.

Hamid Riaz
Company Secretary

**Company Secretary
Bahria Town (Pvt) Ltd.**





BAHRIA TOWN
Private Limited

Corporate Head Office
Sahifa Orchard, Raiwind Road,
Bahria Town Lahore
Tel: 042-35491384
Fax: 042-35341510

BAHRIA TOWN

Ref: BTL/Svcs/Elect/PL/28-012

Dated: 25 Jan 2024

POWER OF ATTORNEY


We, **BAHRIA TOWN (PRIVATE) LIMITED**, (the "**Company**"), hereby appoint and constitute **Mr. Muhammad Saqlain Arshad** Advocates and Corporate Counsels to appear and act for us as our advocates in connection with the Licensee Application (the "**Application**") filed in respect of seeking Electric Power Supply License under NEPRA laws with the National Electric Power Regulatory Authority (NEPRA).

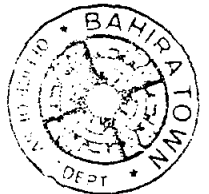
I/We also authorize the said Advocate or any one of them to do all acts and things necessary for the processing, completion and finalization of the Application with NEPRA.

For and on behalf of Bahria Town (Pvt) Limited


Brig Bakhtiyawar Lal Hussain (Retd)
Director Services Bahria Town Lahore

ACCEPTED


MUHAMMAD SAQLAIN ARSHAD
ADVOCATE HIGH COURT
65/3 FCC, GULBERG IV
LAHORE.



**CHECKLIST FOR EXAMINATION OF APPLICATION FOR THE GRANT OF
ELECTRICITY SUPPLY OF THE LAST RESORT LICENSE UNDER NEPRA
LICENCING REGULATIONS, 2021 AND ELIGIBILITY CRITERIA (ELECTRIC
SUPPLY LICENCE) RULES, 2023**

Serial No.	INFORMATION / DOCUMENTS REQUIRED UNDER NATIONAL ELECTRIC POWER REGULATORY AUTHORITY LICENSING (APPLICATION, MODIFICATION, EXTENSION AND CANCELLATION) PROCEDURE REGULATIONS, 2021 (THE "REGULATIONS")	INFORMATION / DOCUMENTS SUBMITTED
1.	Application for Supplier of Last Resort License along with Affidavit, Authorization from Board and Power of Attorney pursuant to Regulation 3 (1) of the Regulations.	Yes. The requisite documents are enclosed with the Application.
2.	Application Fee pursuant to Regulation 3 (1) of the Regulations.	The Fees shall be paid to the NEPRA as soon the exact amount to be submitted is confirmed in writing by the Authority.
3.	Application in Triplicate pursuant to Regulation 3 (3) of the Regulations.	Yes.
4.	Certified Copy of Certificate of Incorporation pursuant to Regulation 3(4)(c)(i)(A) of the Regulations.	Attached as Annexure I (A)
5.	Certified Copy of Memorandum and Articles of Association pursuant to Regulation 3(4)(c)(i)(B) of the Regulations.	Attached as Annexure I (B)
6.	The last Annual Return of the Company pursuant to Regulation 3(4)(c)(ii)	Attached as Annexure I (C) & (D)

7.	The authorized, issued, subscribed and paid-up share capital of the Applicant pursuant to Regulation 3(4)(c)(iii) of the Regulations.	Please refer to Annexure I (C) [Latest Annual Return/Form-A] for the requisite details
8.	The Shareholding pattern of the Applicant including list of shareholders pursuant to Regulation 3(4)(c)(iv) of the Regulations.	Please refer to Annexure I (C) [Latest Annual Return/Form-A] for the requisite details
9.	A Prospectus and Company Profile pursuant to Regulation 3(4)(b) of the Regulations.	Attached as Annexure II (A) & (B)
10.	Certified Copy of Annual Reports and Latest Audited Financial Statements of the Company pursuant to Regulation 3(4)(c)(i)(C) and 3(4)(d)(ii) of the Regulations.	Attached as Annexure II (C)
11.	Evidence of cash balance held in reserves and bank certificates pursuant to Regulation 3(4)(d)(i) of the Regulations.	Attached as Annexure II (D)
12.	Details of charges and encumbrances attached to Applicant's assets pursuant to Regulation 3(4)(d)(ii) of the Regulations.	Attached as Annexure II (E)
13.	Expression of Interest to provide credit or financing pursuant to Regulation 3(4)(d)(iv) of the Regulations.	Attached as Annexure II (F)
14.	Documents describing the net worth and the equity and debt ratios of the Applicant pursuant to Regulation 3(4)(d)(v) of the Regulations.	Please refer to Annexure II (C) for the requisite information.
15.	Detailed Profile and CVs of senior management pursuant to Regulation 3(4)(d)(vi) of the Regulations.	Attached as Annexure III (A)
16.	Employment records of engineering and technical staff of Applicant pursuant to Regulation 3(4)(d)(vii) of the Regulations.	Attached as Annexure III (B)
17.	Profile of Sub-contractors, if any, along with expression of interest of such sub-contractors as required pursuant to Regulation 3 (4) (d) (viii) of	Attached as Annexure III (C)

	the Regulations.	
18.	Verifiable references with reference to experience of the Applicant and its Sub-contractors as required pursuant to Regulation 3 (4) (d) (ix) of the Regulations.	Attached as Annexure III (C)
19.	Feasibility Report pertaining to Technical and Financial proposals in reasonable details pursuant to Regulation 3 (4) (e) of the Regulations.	Attached as Annexure IV (A)
20.	Relevant Feeder Maps pursuant to Regulation 3(4)(a), Schedule-III Clause D(1.) of the Regulations.	Attached as Annexure IV (B)
21.	Number of Consumers and Expected Load pursuant to Regulation 3(4)(a), Schedule-III Clause D(1.) of the Regulations.	Attached as Annexure IV (C)
22.	Consumer class/category, sub-category on the basis of sanctioned load and voltage level pursuant to Regulation 3(4)(a), Schedule-III Clause D(2.) of the Regulations.	Attached as Annexure IV (D)
23.	Tariff categories of consumer classes to be served pursuant to Regulation 3(4)(a), Schedule-III Clause D(3.) of the Regulations.	Attached as Annexure IV (E)
24.	Demand and consumption pattern on different time periods pursuant to Regulation 3(4)(a), Schedule-III Clause D(4.) of the Regulations.	Attached as Annexure IV (F)
25.	Information Relating to Proposed service territory pursuant to Regulation 3(4)(a), Schedule-III Clause D(10.)(i) of the Regulations.	Attached as Annexure V (A)
26.	Information Relating to Billing and collection procedures (including provisions for remote metering) pursuant to Regulation 3(4)(a), Schedule-III Clause D(10.)(ii) of the Regulations.	Attached as Annexure V (B)
27.	Information Relating to ability to access consumer	Attached as Annexure V (C)

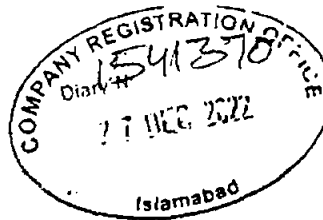
	metering systems and other services/equipment pursuant to Regulation 3(4)(a), Schedule-III Clause D(10.)(iii) of the Regulations.	
28.	Information Relating to basis of common services for commercial and residential consumers and their allocation thereof pursuant to Regulation 3(4)(a), Schedule-III Clause D(10.)(v) of the Regulations.	Attached as Annexure V (D)
29.	Types of Metering System	Attached as Annexure V (E)
30.	Metering and Testing Facilities	Attached as Annexure V (F)
31.	Procurement Plan for meeting expected loads (including own generation and/or longterm and short-term PPAs, as the case may be) pursuant to Regulation 3(4)(a), Schedule-III Clause D(5.) of the Regulations.	Attached as Annexure VI (A)
32.	12-month projections on expected load, number of consumers and expected sale of units for each consumer category pursuant to Regulation 3(4)(a), Schedule-III Clause D(6.) of the Regulations.	Attached as Annexure VI (B)
33.	5-year Investment Plan indicating schemes/models/framework for undertaking supply of electric power (including frameworks for providing non-discriminatory services and acquisition/sale of assets in relevant service territories) pursuant to Regulation 3(4)(a), Schedule-III Clause D(7.) of the Regulations.	Attached as Annexure VI (C)
34.	Training and development procedures and manuals pursuant to Regulation 3(4)(a), Schedule-III Clause D(8.) of the Regulations.	Attached as Annexure VI (D)
35.	Consumer Service Manual pursuant to Regulation 3(4)(a), Schedule-III Clause D(9.) of the Regulations.	Attached as Annexure VI (E)

36.	Information Relating to Emergency Provisions and Protocols pursuant to Regulation 3(4)(a), Schedule-III Clause D(10.)(iv) of the Regulations.	Attached as Annexure VI (F)
37.	Affidavit stating whether the applicant has been granted any other license under the Act pursuant to Regulation 3(4)(g) of the Regulations.	Attached as Annexure VI (G)
38.	A duly authorized statement stating whether the applicant has been refused grant of license under the Act and, if so, the particulars of the refused application, including date of making the application and decision on the application pursuant to Regulation 3(4)(h) of the Regulations.	Attached as Annexure VI (H)
39.	Bank Guarantee Equivalent to Applicable Annual License Fee for two years pursuant to Regulation 3(8) of the Regulations.	The requisite Bank Guarantee shall be submitted to NEPRA in due course after confirmation of the exact applicable amount.
	INFORMATION / DOCUMENTS REQUIRED UNDER THE ELIGIBILITY CRITERIA (ELECTRIC POWER SUPPLIER LICENCE) RULES, 2023 (THE "RULES")	INFORMATION / DOCUMENTS SUBMITTED
40.	The Company is registered with the SECP pursuant to Rule 3(a) of the Rules.	Yes. The Incorporation Certificate and other Statutory documents are attached with the Application as Annexure-I.
41.	The Company shall have minimum paid-up capital of one hundred and fifty million rupees pursuant to Rule 3(b) readwith Schedule-I (Minimum Solvency Requirements) Clause 3(iii) of the Rules.	For the requisite details, please refer to latest Annual Return/Form-A of the Company attached as Annexure-I (C).
42.	The Company shall have and maintain minimum net worth of five hundred million rupees pursuant to Rule 3(b) readwith Schedule-I (Minimum	For the requisite details, please refer to Prospectus, Profile, last Annual Audited Financial

-	Solvency Requirements) Clause 3(iv) of the Rules.	Statements and Cash Balance Certificates of the Company attached as Annexure-II (A), (B), (C) & (D).
43.	The Company has a strategic business plan for three years duly certified by the chief executive officer or chief financial officer or company secretary, demonstrating its capability to undertake electric power supply business pursuant to Rule 3(c) readwith of the Rules.	For the requisite details, please refer to Annexure II & VI.
44.	The Applicant shall fulfill minimum human resource requirements pursuant to Rule 3(d) readwith Schedule-II (Minimum Human Resource Requirements) Clause 3 of the Rules.	For the requisite details, please refer to Annexure III (A) & (B).
45.	Affidavit declaring and affirming fulfillment of obligations imposed on it under the National Electricity Policy and the National Electricity Plan made under section 14A of the Act pursuant to Rule 3(e) readwith Schedule-III (Affidavit) of the Rules.	Attached as Annexure VI (I)
46.	Applicant for a Supplier of Last Resort ("SoLR") Licence ought to hold a Distribution Licence pursuant to Rule 4(1) of the Rules.	The Application for grant of Distribution License is pending before the NEPRA.
47.	Other obligations as mentioned under Rule 3(f), Rule (g), Rule 4(1)(a), Rule 4(1)(b), Rule 4(1)(c) and Rule 4(1)(d) of the Rules.	The Company affirms that it fulfills all the requisite obligations.

ANNEXURE I
STATUTORY DOCUMENTS OF
COMPANY

- A. CERTIFICATE OF INCORPORATION
- B. MEMORANDUM AND ARTICLES OF ASSOCIATION
- C. LATEST ANNUAL RETURN/FORM-A
- D. LATEST FORM-29



FORM A

THE COMPANIES ACT, 2017
THE COMPANIES (GENERAL PROVISIONS AND FORMS) REGULATIONS, 2018
[Section 130(1) and Regulation 4]

ANNUAL RETURN OF COMPANY HAVING SHARE CAPITAL

PUBLIC

PART-I

(Please complete in typescript or in bold block capitals)

1.1 CUITN (Registration Number)	0037589		
1.2 Name of the Company	BAHRIA TOWN (PRIVATE) LIMITED		
1.3 Fee Payment Details	1.3.1 Challan No	M-2022-480265	1.3.2 Amount
			Rs.1320/-
1.4 Form A made upto	28	11	2022
1.5 Date of AGM	28	11	2022

PART-II

Section-A

2.1 Registered office address:	Customer Support Center, Bahria Complex, Phase 8, Bahria Town, Rawalpindi		
2.2 Email Address:	hamidriaz_72@yahoo.com		
2.3 Office Tel. No.:	051-5705822		
2.4 Office Fax No.:	051-5705821		
2.4 Principal line of Business:	Land developers		
2.6 Mobile No. of Authorized Officer (Chief Executive/ Director/ Company Secretary/ Chief Financial Officer)	Hamid Riaz - 0300-5289740		
2.7 Authorized Share Capital			
Classes and kinds of Shares	No. of Shares	Amount	Face Value
Ordinary Shares	120,000,000	1,200,000,000	10
2.8 Paid up Share Capital			
Classes and kinds of Shares	No. of Shares	Amount	Issue Price
Ordinary Shares	22,000,000	220,000,000	10
2.9 Particulars of the holding/subsidiary company, if any			
Name of company	Holding/Subsidiary	% of shares held	
Nil	Nil	Nil	
2.10 Chief Executive Officer			
Name	Malik Riaz Hussain	NIC	6 1 1 0 1 7 0 2 6 1 3 4 9
Address	House No. 03, Street No. 89, Sector G-6/3, Islamabad		
2.11 Chief Financial Officer			
Name	Aamir Rasheed Awan	NIC	6 1 1 0 1 6 5 2 0 1 8 0 5
Address	House No. 1665, Street No. 76, Sector F, DHA Phase I, Rawalpindi.		
2.12 Secretary			
Name	Hamid Riaz	NIC	3 7 4 0 5 8 3 7 3 4 7 7 3
Address	House No. 247, Street No. 27, Ali Block, Phase 8, Bahria Town, Rawalpindi		
2.13 Legal Adviser			
Name	Qaiser Qadeer Qureshi	NIC	3 7 4 0 5 0 4 4 4 1 7 3 7
Address	House No. 48-F-2, Lalazar Colony, Rawalpindi		
2.14 Particulars of Auditor(s)			
Name:	Aamir Salman Rizwan, Chartered Accountants		
Address:	359, Block, G3, Johar Town Lahore.		

ATTESTED

Company Secretary
Bahria Town (Pvt) Ltd.



Name:	-
Address:	-
e-mail:	-

2.16 List of Directors as on the date of annual return is made

S#	Name	Residential Address	Nationality	NIC No. (Passport No. if foreigner)	Date of Appointment or election
1.	Melik Riaz Hussain	House No. 03, Street No. 39, Sector G-6/3, Islamabad	Pakistani	61101-7026134-9	28-11-2022
2.	Hinna Malik	House No. 2, Street No. 1, Phase II, Bahria Town, Rawalpindi	Pakistani	37405-3212758-8	28-11-2022

2.17 List of members & debenture holders on the date upto which this Form A is made

S#	Folio #	Name	Address	Nationality	No. of shares held/Debenture	NIC No. (Passport No. if foreigner)
Members						
1.		Malik Riaz Hussain	House No. 03, Street No. 89, Sector G-6/3, Islamabad	Pakistani	21,999.900	61101-7026134-9
2.		Hinna Malik	House No. 2, Street No. 1, Phase II, Bahria Town, Rawalpindi	Pakistani	100	37405-3212758-8
Debenture holders						
		Nil	Nil	Nil	Nil	Nil

2.18 **Transfer of shares (debentures) since last Form A was made**

[illegible]

PART-III

I do hereby solemnly, and sincerely declare that the information provided in the form is:

- (i) true and correct to the best of my knowledge, in consonance with the record as maintained by the Company and nothing has been concealed; and
- (ii) hereby reported after complying with and fulfilling all requirements under the relevant provisions of law, rules, regulations, directives, circulars and notifications whichever is applicable.

3.2 Name of Authorized Officer with designation/ Authorized Intermediary

Hamid Riaz

Company Secretary

3.3 Signatures

ATTESTED

3.4 Registration No of Authorized Intermediary, if applicable

Company Secretary
Bahria Town (Pvt) Ltd.

3.5 Date

Day	
2	8

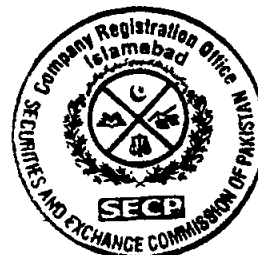
Month	
1	2

Year			
2	0	2	2

CERTIFIED TO BE TRUE COPY
Of the original, however this office does
not take any responsibility about the
correctness of the contents of documents

Joint Registrar

Company Registration Office Islamabad



THE COMPANIES ACT, 2017
THE COMPANIES (GENERAL PROVISIONS AND FORMS) REGULATIONS, 2018

[Section 197 and Regulations 4 & 20]

PARTICULARS OF DIRECTORS AND OFFICERS, INCLUDING THE CHIEF EXECUTIVE, SECRETARY, CHIEF FINANCIAL OFFICER, AUDITORS AND LEGAL ADVISER OR OF ANY CHANGE THEREIN

(Please complete in typescript or in bold black capitals)

PUBLIC

PART-I

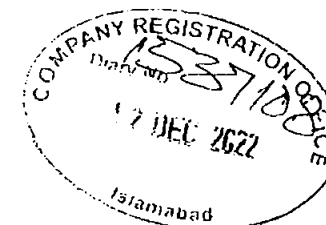
1. CUIIN (Registration Number) 9037589

1.1 Name of the Company BAHRIA TOWN (PRIVATE) LIMITED

1.2 Fee Payment Details

1.2.1 Challan No. M-2022-475157

1.2.2 Amount Rs. 1320/-



PART-II

2. Particulars:

Present name in full	NIC No or passport No. in case of Foreign National	Father's/ Husband's name	Usual residential Address	Designation	Nationality **	Business occupation*** (if any)	Date of present appointment or change	Mode of appointment/ change / any other Remarks****	Nature of directorship (nominee/ independent /additional/other)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
2.1) New appointment/election:									
Malik Riaz Hussain	61101-7026134-9	Malik Ashtiq Hussain	House No. 03, Street No. 89, Sector G-6/3, Islamabad	Chief Executive	Pakistani	Business	28-11-2022	Re-Appointment	-
Malik Riaz Hussain	61101-7026134-9	Malik Ashtiq Hussain	House No. 03, Street No. 89, Sector G-6/3, Islamabad	Director	Pakistani	Business	28-11-2022	Re-Elected	-
Hina Malik	37405-3212758-8	D/o Misbah ul Hussain	House No. 2, Street No. 1, Phase II, Bahria Town, Rawalpindi	Director	Pakistani	Private Service	28-11-2022	Re-Elected	-
Hamid Riaz	37405-8373477-3	Ghalib Jang	H.No. 247, Street No. 27, Ali Block, Phase 8, Bahria Town, Rawalpindi	Company Secretary	Pakistani	-	13-09-2021	-	-
Aamir Rasheed Awan	61101-6520180-5	Abdul Rasheed Awan	H. No. 1665, Street No. 76, Sector F, DHA Phase I, Rawalpindi	Chief Financial Officer	Pakistani	-	27-11-2021	-	-
Qaiser Qadeer Qureshi	37405-0444173-7	Anwar Iqbal Qureshi	H.No. 48-F-2, Lalazar Colony, Rawalpindi	Legal advisor	Pakistani	B.A.L.L.B	31-10-2006	-	-
Aamir Salman Rizwan, Chartered Accountants	-	-	359, Block G3, Johar Town Lahore	Auditor	-	-	28-11-2022	By Resolution	-



ATTESTED
Company Secretary
Bahria Town (Pvt) Ltd.

ANNEXURE II

COMPANY PROFILE & FINANCIAL

INFORMATION

A. PROSPECTUS

B. COMPANY PROFILE

C. LATEST AUDITED FINANCIAL STATEMENTS OF THE
APPLICANT

D. EVIDENCE OF CASH BALANCE HELD IN RESERVES AND
BANK CERTIFICATES

E. DETAILS OF CHARGES AND ENCUMBRANCES ATTACHED
TO APPLICANT'S ASSETS

F. EXPRESSION OF INTEREST TO PROVIDE CREDIT OR
FINANCING

BAHRIA TOWN (PVT) LTD**PROSPECTUS**

Stepping practical into the shoes of his father Malik Riaz Hussain started his life in 1970 in the career as construction business. He started his abilities as petty contractor work but very soon due to his outstanding abilities and hard work rose to the status of a contractor with no financial limit. During that period he completed a number of reputable major projects like dual carriage way of Mall Road Rawalpindi starting from Radio Pakistan to Airport costing more than Rs.100 Millions. This project was completed in record time during the eighties. His vision and ambition were however always very high. He wanted to do something extraordinary and unique. Being a very kind hearted person he always wanted to help the poor, living in urban slums, by providing a housing project at an affordable cost. Bahria Town is therefore an outcome of his cherished dreams.

Malik Riaz Hussain is better know at home and abroad as a builder, trend setter and dynamic entrepreneur, who has introduced innovative Malaysia, Turkey and UAE take pride in investing with Bahria housing projects of international standards. Bahria Town development represent a unique mark of distinction for Pakistan, this is why international entrepreneurs from Town. His innovative concepts and unique technologies are practiced by other urban developers in the country. The company has created business opportunities for local suppliers, employs more than 10,000 workers, in direct employment and has created 15,000 jobs in the supply chain network. Besides helping the economy of the Pakistan in several forms Malik Riaz is also one of the leading philanthropic personalities of the country.

In order to mitigate the housing crises in Pakistan, annual deficit of 350,000 he hs recently launched Awami Villas that caters exclusively to the needs of the lower income segment in the country; which has the fastest growing middle class in the region. He has taken this initiative without any profit motivation; a large share of the cost of the project will be borne by him.

The project of Bahria Town was launched in 1996 with true spirit of enterprise and vision of providing quality life style at affordable cost. Malik Riaz Hussain is totally dedicated to this project. His dedication and untiring hard work has brought the project nationally and internally to a level which has set an example for others to follow. All projects are self sufficient in terms of services such as, distribution of electricity, gas, water and telephone.

Besides providing housing facilities to the general public at large, Bahria Town is working not merely for its members but for the community as a whole. It has generated a developmental process which has brought an increase in the GDP by creating employment opportunities. It has thus taken a small but an effective step in the poverty alleviation and thus raising the general standard of living of the common man.

Bahria Town is now spread over 150,000 kanals in Rawalpindi/Islamabad and about 75,000 kanals in Lahore, and in the process of providing plots and constructed houses of different sizes. Bahria Town, no doubt is a housing scheme of international standards.

Malik Riaz is now an icon in the housing sector and enjoys a reputable name in Pakistan and abroad as well. With his vision Bahria Town shall be pioneering, innovating and will become a leading source of housing and lifestyle solutions to the masses and riches of Pakistan.

His personal contribution to organizations and fields outside the realm of his business interest presents his selfless efforts and generous social work towards nation building. He believes that the only road to the transformation of the community is to empower the people to help themselves for which he has established an education trust fund. He has separate department responsible for charitable projects who are directly involved in these initiatives. To meet his objectives effectively Malik Riaz is also coordinating with many organizations and institutes nationwide and supports them in providing health and education to the remote areas.

Bahria Town (Private) Limited Company's Profile

Bahria Town (Private) Limited (BTL) is a company registered under the Company's Ordinance 1984.

Bahria Town (Pvt) Ltd is one of those housing schemes which are unique in many aspects providing numerous facilities to its residents. A spacious net work of major and minor roads with footpaths, ornamental plants and fancy street lights is an integral part of BTL. Beautiful play grounds and parks, all types of sports facilities including a mini golf course add glamour to the housing scheme.

Keeping in line with the international standards all utilities are underground; it has its own grid stations, telephone exchange and Sui gas network. Community centre, wedding halls, clubs, education and health facilities, fire brigade and many more adds to the comfort and living standard of its residents. Environmental aspects have been adequately taken care through BTL horticulture department. Proper waste water treatment plants are in place and disposal of solid waste and its proper disposal have been designed on the most modern methods.

The proponent of BTL is Mr Malik Riaz Hussain. Talking of Bahria Town Lahore; the scheme is located 12-14 km from Thokar Niaz Baig Lahore and 10 KM from M2 interchange Lahore –Rawalpindi. Total area of the housing scheme is approximately 75000 kanals out of which 10,000 kanals are on Raiwind Road about 12 KM from Thokar Niaz Baig. The estimated cost of the project is approximately Rs.30.5 billion. It will accommodate an estimated population of 85000. Globally the construction and housing industry accounts for 10-12 per cent of the GDP and 7 percent employment. The current project is providing numerous job opportunities directly and indirectly. It is playing an important role in boosting the economy of the country because numerous industries are involved during the design, construction and operational phases of the project.

Amazing Facts About Bahria Town

1. Largest private sector developer in Asia it is the first real estate developer in Pakistan to have a fully integrated Enterprise Resource Planning and Management System.
2. Bahria Town has over hundreds of heavy construction equipment units deployed at the Lahore and Rawalpindi projects sites. The worth of this equipment is over 4 billion rupees with strict compliance to international quality and safety codes. Bahria Town is the first and only developer in Pakistan to maintain such a high inventory of equipment. This speaks of the commitment and forward planning of the organization. All other developers use third parties to complete the development.

3. First ever project in private sector with underground provision of utilities and supplies.
4. The first of its kind state of the art call centre operational 365 days a year.
5. The first ever real estate developer in Pakistan to transform into local multinational with a corporate ideology based on "Community First and Profitability Follows".
6. Our driving force is choosing change over compliancy, challenge over goals, pioneers over followers and life style.
7. Bahria Town pays million of rupees in direct and indirect taxes. Conducting its business as a progressive corporate member of the society it provides opportunities to many in the form of project management and customer driven initiatives.
8. Bahria Town employs more than 10,000 workers in direct and indirect employment, who are working tirelessly to develop the current project with operational excellence. Quality and safety are the tow most important factors besides facilities like school, health cover, career path, training and development and financial aid for the needy.
9. The organization provides employment opportunities for over 1,000 local suppliers and creates another 1,500 job associated through supply chain network in Islamabad and Lahore.
10. 100,000 households are dependant on Bahria Town for their sustenance and development through direct, indirect and supply chain associated employment.
11. Bahria Town enjoys the largest member base in Pakistan. It has over 1500,000 customers, making in the largest real estate developer in Asia.
12. Home Plus is the third largest card company in Pakistan with a member base of over 85, 0000; belonging to different regions of Pakistan, with a huge response from the rural areas.
13. If the direct/ indirect employees of the Bahria Town are lined up with their arm stretched wide open along with the Bahria's equipment they will form a line from Lahore to Rawalpindi.
14. Bahria Town is an equal opportunity employer and has a richly diverse workforce. The employee base consists of people belonging to different casts, creeds, religions and from different regions such as Philippines, Middle East, Malaysia and the United States.

15. If we line up the bricks that Bahria Town consumes in a year they will go around the world 5 times!

By the Grace of God Almighty Bahria Town (Private) Limited is the biggest name in housing sector today.

The Company was incorporated by the Bahria Foundation in collaboration with the private sector on 1st January 1996. Bahria Town still holds the record of having

marketed 5,600 plots in 30 days. Its projects gained instant popularity in general public in Pakistan and amongst overseas Pakistanis as well and on account of very competitive prices and development per international standards. The company holds the confidence of its more than 100,000 subscribers in Pakistan and all over the world today as it has implemented international development standards not seen/emulated in Pakistan ever before.

In Bahria Town projects, development works are executed scientifically using plant and machinery worth approximately Rs.04 billion. The development standards actually exceed metropolitan standards in Pakistan. The Bahria town shops at Rawalpindi/ Islamabad and Lahore present an eye-catching scene with full width carpeted streets and walkways on both sides of the streets paved with tiles. Services are laid on both sides of the streets. Underground electrical system has pad mounted transformers meeting national standards on power distribution.

Taking in to account Bahria Town Rawalpindi/Islamabad; the project launched on 1st January 1996, spreads over 12,000 kanals of land along picturesque Soan and Korang rivers. Its land use policy strictly conforms to CDA/RDA specifications. Three out of seven phases have already been completed. Work is in progress on in fourth and fifth phases. The entire project is expected to be completed by the year 2003. Phases I – VII has almost been completed and Phase IV is near to its completion.

Phase VIII and IX were announced in September 2003 and August 2004 respectively and were heavily oversubscribed. Phase VIII attracted around 15,000 members whereas 52,000 members booked their plots in phase IV. Total Land measuring some 80,000 kanals has been purchased and development is being carried out by Bahria Town itself and Habib Rafiq (Pvt) Ltd, a renowned Developer.

Bahria Bridge, built by the Company at its own expenses over Korang river is 490 feet long and conforms to NHA "AA" stand (75 tons rating). It is by far the largest bridge built in Pakistan by any housing company for its use. The bridge is in fact social service rendered by Bahria Town in getting people together as it links CDA Zone V with the city of Rawalpindi through an alternate and much needed link route. Another bridge has been built on Soan River connecting Bahria Town with GT Road.

Grid Station of 132 KV/11 KV is installed by Bahria Town at its own cost to provide electricity to Bahria Town Lahore Scheme at Multan Road, Lahore and Bahria Orchard, Raiwind Road, Lahore. M/S Siemens have provided the equipment for the installation of both the Grid Stations.

A 4000 line telephone Exchange with the facility of DSL and IP TV is also working in Bahria Town Lahore. Sui Gas is available in entire developed areas of the scheme.

Parks and a Safari Zoo are attaching a lot of public from the adjoining areas and from Lahore. A large variety of animals and birds are available in the Zoo.

Projects of Bahria Town are as under:

1. Safari Villas Rawalpindi

It is unique housing project with a picturesque landscape and a breath of fresh air in the thickly populated Rawalpindi City. Located on the bank of River Korang and adjacent to Safari Park it presents a true scene. This uneven piece of land is an attractive and amazing creation of nature. Its surrounding river and population free pure environment makes it a dreamland.

Three hundred villas of different designs have been built in Safari Villas. Currently over 400 families are living at these villas. Safari Villas – I is fully completed while construction of Safari Villas – II and Extension is proceeding in full swing and is in the completion stage. This is a completely secured gated community with our maintenance and security team present 24 hours a day at resident's service. It has a fully functional club, swimming pool, tennis court, squash courts and a small commercial center. The school and college provide best educational facilities.

2. Safari Apartments, Rawalpindi

Located strategically at the entry point of Bahria Town and Safari Villas. Safari apartments give a unique look with their beautiful and symmetric designs. Five blocks contain 40 apartments. The entry point of block is wide, beautiful and laced with tiles. The project is coming to completion. The common compound wall with a security check point will prevent unauthorized entry. Round the clock maintenance facilities for the residents include electrician, plumbers, carpenters, sweepers and gardeners.

3. Safari Homes, Rawalpindi

Safari Homes, a project of 2,000 houses especially designed for low income people of which 1,000 have already been booked. A contract has been signed with a Turkish Firm M/s Areaa of international repute to construct 2,000 houses within a period of 2-3 years. Around 500 houses are nearing completion. Safari Homes will provide quality living to the people having low income.

4. Meadows/Executive Lodges

Meadows/Executive Lodges a project of 500 luxurious houses have been designed and launched especially for the Pakistanis returning from abroad and for local people. These houses are being sold at a price of Rs.17.50 million to Rs.25.0 million. Around 100 such houses have been constructed in Bahria Town Phase II, III and VI.

5. Bahria Town Lahore Project

After the successful launching of a project at Rawalpindi/Islamabad, Bahria Town launched its second mega housing project at Lahore on 23rd January 1997. The project has approximately 75,000 kanals of land which is being developed out of which sector A, B, Executive Lodges, 5-7 Marls Scheme have been fully developed. Sector C having 15,000 customers launched in September 2004 has been developed by Habib Rafiq, a renowned land developer company.

6. Executive Lodges

For those who like more room and more garden space, the area designated for Executive Lodges offers a choice of four to thirty-six kanals plots. You have option to make your own farmhouse or have our architects design and built for you. Within easy reach, yet secluded, Executive lodges offers privacy and tranquility in a world full of day-to-day stress.

You can wake up to the trilling of birds every morning, away from the noise and pollution, surrounded by trees in a tranquil setting.

7. Safari Homes, Lahore

Safari Homes a project of 1,000 houses especially for low income people has already been booked. 450 houses have been completed and handed over to the owners, the remaining are almost 80% complete. These houses are being constructed under the supervision of highly qualified team of professionals. Safari Homes is providing a quality living for the people having low income.

8. Awami Villas, Rawalpindi/Islamabad/Lahore

The desire of having a home has been an elusive dream for many Pakistanis. Now on completion of 10 successful years of Bahria Town. It proudly announced a new low cost housing project of Awami Villas deploying the steel patient pre fabricated modular structure technology. Awami villas will cater exclusively for the demands of the low income class and is aimed to mitigate the housing crisis of our Country. Over 100,000 houses will be built and made available through an easy installment plan stretching over a 16 year period. The phase I of the project has been launched in Rawalpindi. Machinery for fabrication of wall panels has been imported at a cost of

US\$ 3.0 million including sheds. The factory has been commissioned on 14th August 2006. Necessary land for the project adjacent to DHA Phase 2 extension has been purchased and is being developed.

9. **Bahria Heights**

Bahria Heights is another prestigious project of Bahria Town situated in Phase-I. It is a project of quality furnished 2-Bed/Studio apartments in a beautiful location. Bahria Heights was launched on 26th June 2005 and all the units have been sold out. It meets all the internationally quality standards to lift your luxurious living in Pakistan.

Future/ under hand Projects

Various projects like Bahria Springs, Bahria Oriental Gardens, Bahria Gold City, Bahria Paradise, Bahria Gateway, and Bahria Heights-II will be launched in the near future.

Human Resource Development

Bahria Town employs more than 2,500 people on its projects contributing to human resource development in an important sector of Pakistan economy.

Environmental Consciousness

Bahria Town (Private) Limited is an environmentally conscious Company. All its projects are designed to meet national standards on pollution. Proper sewerage treatment plants have been installed and proper collection/disposal of solid waste is being carried out through hydraulic compactors purchased by Bahria Town.

Social Obligations

Bahria Townships are planned with mosques, schools, colleges, clubs, hospitals and green areas. Mosques have already been constructed in Bahria Town Phase I, Safari Villas Rawalpindi and at Bahria Town Lahore.

A club and a Community Hall with a swimming pool, a tennis court, squash court and a fitness centre is available for the residents of Safari Villas/Bahria Town Lahore.

A 100 bedded hospital, with modern diagnostic facilities is fully functional at Bahria Town Lahore.

Bahria Town Schools & College from Nursery to O level is fully functional at Lahore site.

A college named after the world-renowned nuclear scientist and head of KRL, Dr A Q Khan in Safari Villas Rawalpindi is providing quality education.

A Medical College campus is functional in Sector C Bahria Town Lahore with 200 students in 1st and 2nd year. A medical center equipped with latest equipment and qualified doctors and staff is fully operational and providing medical facilities to the general public of the area around Safari Villas.

Management at Corporate Level

The Board of Directors

The affairs of the Company are governed by a board of Directors who are also the co-owners of the Company. Their names appear in annexes. The shareholders meet at Annual General Meeting once a year. The directors meet as frequently as needed for smooth running of Company's affairs but not more than four months apart.

Monitoring the progress of Development works is an essential item on Company's agenda.

Chief Executive's Vision of the Projects

The Chief Executive, who is the driving force behind the Company and the Board of Directors, has a vision which can be described as under:-

The time has come to offer better living standard to our people who have suffered tremendously at the hands of dishonest developers. Let us develop Bahria Townships with standard matching those seen abroad so that our projects become an example for others to follow. While doing so, let's ensure that cost remains affordable. Let there be no penny pinching on attainment of quality. We would do with marginal profits but we would not compromise on quality. If we make our projects the very best in the market, we would naturally be the market leaders and we would make a niche in the market for ourselves. This way we can stay in the lead and in business for a very long time.

The Board of Directors and senior managers uphold CE's vision and the result of this synergism is that anyone who visits Bahria Town projects at Rawalpindi/ Islamabad and Lahore comes back full of praise for the quality of development works.

Management Strategy

Company's eight-point management strategy stands on the following corners stones:

1. **Use of Corporate Assets.** A sensible re-induction of profits ensures the success of new projects. Major projects like turnkey construction of houses by the hundreds thus become possible.
2. **Financial Soundness** is ensured generating and maintaining a healthy cash flow. We also retain a core reserve in surplus property (land and houses).
3. **Building Value of Property as a Long Term Investment.** Bahria Town projects promise excellent return on investment by providing unprecedented quality of work and services by virtue of which Bahria town projects are rated head and shoulders above the competition.
4. **Quality of Management.** Which is a product of civil-military combination of leaders? Civilian Chief brings professional expertise while ex-military senior officers provide the much-needed driver for a "fast track" execution of our projects. Technical consultancy is being provided by the consultants of the international repute like TAK Management, Maxcorps, Ranhill, Akitech Jururancang, E&G Parslow etc.
5. **Ability to Attract, Develop and Keep Talented People.** Our doors are open to anyone who can prove his or her talent in one of many fields of activities and interests we are engaged in.
6. **Community and Environmental Responsibility.** We stand committed to meet community social, education, health, recreational and religious responsibilities. We also stand committed to treat our sewer before discharging out. It would be our endeavor to invoke segregation of garbage into biodegradable and recyclable (paper, metal and glass) categories.
7. **Quality of Products and Services.** We exceed CDA/RDA/LDA standards in that we provide sewer, fresh water and electrical services on both sides of the street. Hence no need to cut our expensive carpeted streets.
8. **Innovativeness.** To explore additional features and services for the clientele such as the planning of a Cornice along the Soan River this would have viewpoints and ice-cream parlors for the residents of recreation.

Management at Project Level

Each project staff is headed by a General Manager Project and has highly professional staff including engineers, surveyors, and others at different levels. All project heads report to Deputy Chief Executive who ensures implementation of policies framed by the Board of Directors. The organization of Bahria town Rawalpindi/Islamabad/Lahore is available in the Annexes. The number of personnel employed in the Head Office is around 100 which is not much when judged in the light of diverse tasks undertaken.

Summary

Entity

City vast spaces, huge arsenal of heavy earth moving machinery worth greater than Rs.04 billion, 15000 man strong engineering and development team, 500 specialist executives one visionary leading the lot to set the tone for a mega real estate development. At the cutting edge of urban development on a scale unsurpassed elsewhere in the world, it charts new trends and vision in urbanization, economic and physical planning for urban growth.

Achievement

Over 60,000 kanals of land based infrastructure fully developed in Islamabad and Lahore, Bahria Town developments represents a unique mark of distinction for Pakistan as they continue to develop master planned communities which are clearly ahead of their time. These futuristic communities are serviced with huge infrastructure network ranging from dedicated electric grid stations to schools and service hospitals. The achievement of all this in short span of 10 years speak for the robustness and operational excellence of the company.

Vision

Bahria Town shall be pioneering, innovating and will become a leading source of housing and lifestyle solutions to the masses and riches of Pakistan. We shall employ the most quality HR, cutting edge tools, best of the market partners and efficient, robust and quick delivering systems and processes for the ultimate satisfaction for our members and to become the first choice for every housing decision.

• *Don't forget:*

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INDEPENDENT AUDITOR'S REPORT

To the members of Bahria Town (Private) Limited

Report on the Audit of the Financial Statements

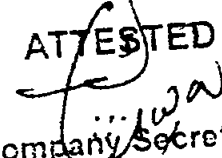
Qualified Opinion

We have audited the annexed financial statements of Bahria Town (Private) Limited (the Company), which comprise the statement of financial position as at June 30, 2021, and the statement of profit or loss, the statement of comprehensive income, the statement of changes in equity, the statement of cash flows for the year then ended, and notes to the financial statements, including a summary of significant accounting policies and other explanatory information, and we state that, except for the matters referred in paragraph (a) to (h) of the *Basis for Qualified Opinion* section below, we have obtained all the information and explanations which, to the best of our knowledge and belief, were necessary for the purposes of the audit.

In our opinion and to the best of our information and according to the explanations given to us, except for the possible effects of the matters described in the *Basis for Qualified Opinion* section of our report, the statement of financial position, statement of profit or loss, the statement of comprehensive income, the statement of changes in equity and the statement of cash flows together with the notes forming part thereof conform with the accounting and reporting standards as applicable in Pakistan and give the information required by the Companies Act, 2017 (XIX of 2017), in the manner so required and respectively give a true and fair view of the state of the Company's affairs as at June 30, 2021 and of the loss, the other comprehensive income, the changes in equity and its cash flows for the year then ended.

Basis for qualified opinion

- a) The Company has not carried out impairment test on the long-term investments costing Rs. 1.022 billion (refer note 17 to the financial statements). This constitutes a departure from applicable financial reporting framework. Consequently, we were unable to determine whether any adjustments to these amounts were necessary;
- b) The Company has not carried out impairment test on loan and advances amounting Rs. 3.515 billion (refer note 25 to the financial statements), and has not implemented credit loss model. This constitutes a departure from applicable financial reporting framework. Consequently, we were unable to determine whether any adjustments to these amounts were necessary;
- c) The Company has not made provision for staff retirement benefits which constitutes a departure from applicable financial reporting framework (refer note 4.13 to the financial statements). The related impact on these financial statements could not be determined in absence of the relevant information;

ATTESTED

Company Secretary
Bahria Town (Pvt) Ltd.

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A member of



Independent legal & accounting firms



- d) During the year, the Company has filed a Civil Miscellaneous Appeal (CMA) before the Honourable Supreme Court of Pakistan (the Supreme Court) seeking amendment and adjustment to the total liability payable (refer note 7.1 to the financial statements) by the Company in the light of the shortfall of land due to non-availability of land which cannot be transferred to the Company (refer note 7.2 and 14.1.30B to the financial statements). Based on this, the Management has worked out that total payable against available land of 11,747.47 acres is Rs. 319,766 billion instead of Rs. 460 billion. Accordingly, an adjustment of Rs. 140.24 billion has been made in the books of account by reducing the liability payable to the Supreme Court (refer note 7 to the financial statements) and cost of land in inventory (refer note 23.1.1 to the financial statements). However, the Supreme Court has not yet passed any judgment owing to this CMA regarding adjustment to the liability. As the matter is subjudice before the Supreme Court, we are unable to substantiate the basis used by the management in making these adjustments;
- e) In addition to the above, the Company has filed a petition with Honourable Supreme Court of Pakistan (the Supreme Court) seeking extension in payment period of outstanding liability payable to Supreme Court amounting Rs. 407,309 billion (refer note 7 to the financial statements). Accordingly, the Company has classified the liability payable to the Supreme Court as non-current and has not measured it at amortised cost as required by the applicable financial reporting framework. The Supreme Court has not passed any judgment owing to this CMA granting any extension in repayment period to date. Further, the Company has also not accounted for additional provision relating to the markup on account of delay in repayments in accordance with the requirements of the judgement (refer note 7.1 to the financial statements) passed by the Supreme Court. As the matter is subjudice before the Supreme Court, we were unable to verify the classification and valuation of outstanding liability payable to the Supreme Court and resulting markup provisions on delayed payments;
- f) The Company has neither accounted for revenue in accordance with nor has complied with disclosure requirements of IFRS 15: *Revenue from Contracts with Customers*, which constitutes a departure from applicable financial reporting framework. In the absence of relevant information, we were unable to determine the related impact on these financial statements;
- g) The Company has neither accounted for leases in accordance with nor has complied with disclosure requirements of IFRS 16: *Leases*, which constitutes a departure from applicable financial reporting framework. In the absence of relevant information, we were unable to determine the related impact on these financial statements; and
- h) The Company has not kept proper fixed asset records as required under section 220 of the Companies Act, 2017. In the absence of relevant records, we were unable to verify the existence and valuation of fixed assets.

We conducted our audit in accordance with International Standards on Auditing (ISAs) as applicable in Pakistan. Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of our report. We are independent of the Company in accordance with the International Ethics Standards Board for Accountants' *Code of Ethics for Professional Accountants* as adopted by the Institute of Chartered Accountants of Pakistan (the Code) and we have fulfilled our other ethical responsibilities in

ATTESTED

Company Secretary
Bahria Town (Pvt) Ltd.



accordance with the Code. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our qualified opinion.

Emphasis of Matters

- i) We draw attention to note 7 to the financial statements, which describes that the Company is required to pay Rs. 407.309 billion to the Honourable Supreme Court of Pakistan as a result of its order issued on March 21, 2019. Further, the Company is facing litigation before the Honourable Supreme Court of Pakistan in respect of title, allotment and usage of land (refer note 14.1 to the financial statements). Our opinion is not modified in respect of this matter: and
- ii) Further, we draw attention to notes 17 and 23.1.3 to the financial statements, which describe that title of the investment in subsidiaries having aggregate cost of Rs. 130.200 million and title of land having aggregate cost of Rs. 42.159 billion were not held in the name of the Company. Our opinion is not modified in respect of this matter.

Information Other than the Financial Statements and Auditors' Report thereon

Management is responsible for the other information. The other information comprises the information included in the directors' report, but does not include the financial statements and our auditor's report thereon.

Our opinion on the financial statements does not cover the other information and we do not express any form of assurance conclusion thereon.


In connection with our audit of the financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the audit or otherwise appears to be materially misstated. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

Responsibilities of Management and Board of Directors for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with the accounting and reporting standards as applicable in Pakistan and the requirements of Companies Act, 2017 (XIX of 2017) and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Company or to cease operations, or has no realistic alternative but to do so.

Board of directors are responsible for overseeing the Company's financial reporting process.

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Company Secretary
Bahria Town (Pvt) Ltd.



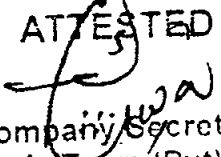
Auditors' Responsibilities for the audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs as applicable in Pakistan will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with ISAs as applicable in Pakistan, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error; design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Company to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with the board of directors regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

ATTESTED

Company Secretary
Bahria Town (Pvt) Ltd.

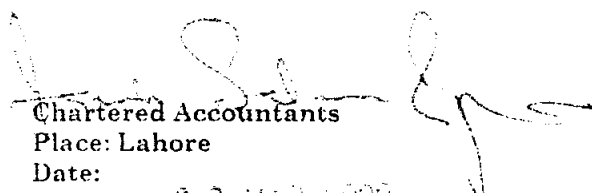


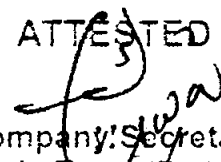
Report on Other Legal and Regulatory Requirements

Based on our audit, we further report that in our opinion:

- a) except for the possible effects of the matters described in *Basis for Qualified Opinion* section above, proper books of account have been kept by the Company as required by the Companies Act, 2017 (XIX of 2017);
- b) except for the possible effects of the matters described in *Basis for Qualified Opinion* section above, the statement of financial position, the statement of profit or loss, the statement of comprehensive income, the statement of changes in equity and the statement of cash flows together with the notes thereon have been drawn up in conformity with the Companies Act, 2017 (XIX of 2017) and are in agreement with the books of account and returns;
- c) except for the possible effects of the matters described in *Basis for Qualified Opinion* section above, investments made, expenditure incurred and guarantees extended during the year were for the purpose of the Company's business; and
- d) no Zakat was deductible at source under the Zakat and Ushr Ordinance, 1980 (XVIII of 1980).

The engagement partner on the audit resulting in this independent auditors' report is Ahmad Salim Arshad.


Chartered Accountants
Place: Lahore
Date: 30 MAR 2022

ATTESTED

Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited**Statement of Financial Position**

As at June 30, 2021

	Note	2021 (Rupees in thousands)	2020
EQUITY AND LIABILITIES			
Share capital and reserves			
Share capital			
Issued, subscribed and paid up capital	5	220,000	220,000
Revenue reserves			
Accumulated loss		(173,417,797)	(172,452,812)
		(173,197,797)	(172,232,812)
Non - current liabilities			
Advance from customers	6	189,259,414	173,607,410
Payable against land	7	267,138,680	380,000,000
Long term security deposits	8	269,912	266,681
Total non-current liabilities		456,668,006	553,874,091
Current liabilities			
Current maturity of payable against land	9	-	27,468,685
Current portion of advance from customers	10	312,980,398	241,433,266
Short term financing	11	950,000	750,000
Trade and other payables	12	28,711,987	60,486,147
Mark-up accrued	13	2,777	4,590
Total current liabilities		342,645,162	330,142,688
Total equity and liabilities		626,115,371	711,783,967
Contingencies and commitments	14		
ASSETS			
Non - current assets			
Property, plant and equipment	15	17,556,856	21,434,746
Investment property	16	23,009,621	23,638,379
Long term investments	17	1,022,340	1,022,340
Long term loans and other receivables	18	1,161,820	-
Long term projects	19	42,983,082	42,084,125
Long term security deposits	20	230,798	230,798
Long term certificate of deposit	21	-	10,000
Deferred tax asset- net	22	3,726,185	3,040,564
Total non - current assets		89,690,702	91,460,952
Current assets			
Stores and spares		697,132	671,975
Inventories	23	372,974,801	494,840,269
Trade and other receivables	24	2,405,526	2,476,992
Loan and advances	25	146,533,755	106,523,074
Deposits and prepayments	26	308,019	207,790
Due from related parties	27	6,989,507	6,965,869
Advance tax due from Government	28	20,967	16,259
Short term investments	29	1,660,000	-
Cash and bank balances	30	4,834,962	8,620,787
Total current assets		536,424,669	620,323,015
Total assets		626,115,371	711,783,967

ATTESTED

The annexed notes 1 to 46 form an integral part of these financial statements.

Company Secretary
Bahria Town (Pvt) Ltd.

Chief Executive

Director

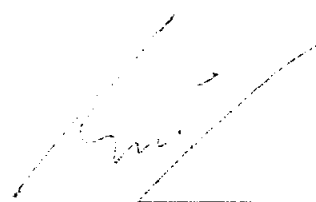
Bahria Town (Private) Limited

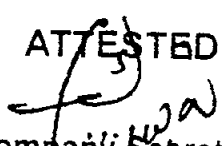
Statement of Profit or Loss

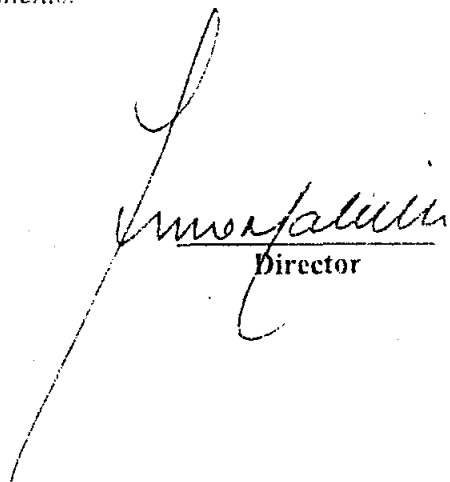
For the year ended June 30, 2021

	Note	2021 (Rupees in thousands)	2020
Sales	31	42,151,614	17,458,175
Cost of sales	32	<u>(40,603,502)</u>	<u>(23,601,246)</u>
Gross profit/ (loss)		1,548,112	(6,143,071)
Operating expenses			
General and administrative expenses	33	<u>(6,443,519)</u>	<u>(6,249,286)</u>
Selling and distribution expenses	34	<u>(645,251)</u>	<u>(432,696)</u>
		<u>(7,088,770)</u>	<u>(6,681,982)</u>
Operating loss		(5,540,658)	(12,825,053)
Finance cost	35	(524,071)	(59,933)
Other charges	36	<u>(6,713)</u>	<u>(440,684)</u>
Net loss		(6,071,442)	(13,325,670)
Other income	37	5,403,043	4,655,819
Loss from joint venture projects	38	<u>(272,798)</u>	<u>(385,154)</u>
Loss before taxation		(941,197)	(9,055,005)
Taxation	39	<u>(23,788)</u>	<u>2,554,340</u>
Loss after taxation		<u>(964,985)</u>	<u>(6,500,665)</u>

The annexed notes 1 to 46 form an integral part of these financial statements.


Chief Executive

ATTESTED

Company Secretary
Bahria Town (Pvt) Ltd.


Director

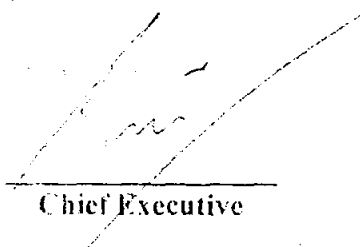
Bahria Town (Private) Limited

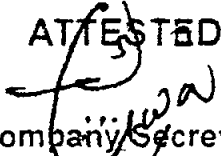
Statement of Comprehensive Income

For the year ended June 30, 2021

	Note	2021 (Rupees in thousands)	2020
Loss for the year		(964,985)	(6,500,665)
Other comprehensive income			
Items that may be subsequently reclassified in profit or loss		-	-
Items that will not be subsequently reclassified in profit or loss		-	-
Total comprehensive loss for the year		<u>(964,985)</u>	<u>(6,500,665)</u>

The annexed notes 1 to 46 form an integral part of these financial statements.


Chief Executive

ATTESTED

Company Secretary
Bahria Town (Pvt) Ltd.


Director

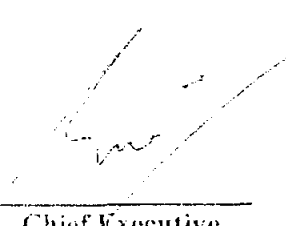
Bahria Town (Private) Limited

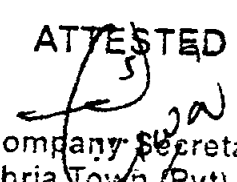
Statement of Changes in Equity

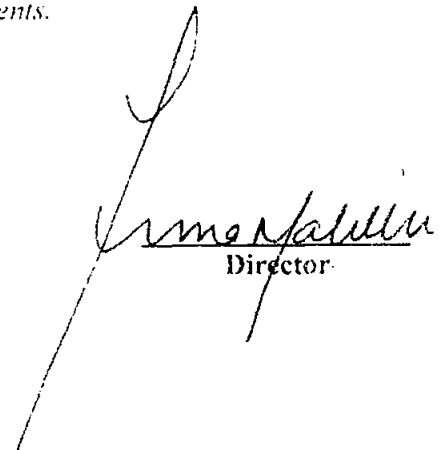
For the year ended June 30, 2021

	Share capital	Revenue reserves	Total equity
	Issued, subscribed and paid up capital	Accumulated loss	
 (Rupees in thousands)		
Balance as at July 01, 2019	220,000	(165,952,147)	(165,732,147)
Comprehensive loss for the year:			
Loss for the year	-	(6,500,665)	(6,500,665)
Other comprehensive income	-	-	-
Total comprehensive loss for the year	-	(6,500,665)	(6,500,665)
Balance as at June 30, 2020	<u>220,000</u>	<u>(172,452,812)</u>	<u>(172,232,812)</u>
Balance as at July 01, 2020	220,000	(172,452,812)	(172,232,812)
Comprehensive loss for the year:			
Loss for the year	-	(964,985)	(964,985)
Other comprehensive income	-	-	-
Total comprehensive loss for the year	-	(964,985)	(964,985)
Balance as at June 30, 2021	<u>220,000</u>	<u>(173,417,797)</u>	<u>(173,197,797)</u>

The annexed notes 1 to 46 form an integral part of these financial statements.


Chief Executive

ATTESTED

Company Secretary
Bahria Town (Pvt) Ltd.


Director

Bahria Town (Private) Limited

Statement of Cash Flows

For the year ended June 30, 2021

	Note	2021 (Rupees in thousands)	2020 (Rupees in thousands)
Cash from operating activities			
Net loss for the year before tax		(941,197)	(9,055,005)
Add: adjustment for non-cash income and expenses			
Gain on disposal of property, plant and equipment		(754,110)	(2,563)
Revenue from real estate	31.1	(36,094,340)	(12,365,449)
Facilitation charges	37	(60,000)	(120,000)
Amortization of long term loan	37	-	(10,872)
Rent expense	33	45,736	31,942
Insurance expense	33	7,406	4,659
Impairment of property, plant and equipment	33	10,747	-
Depreciation on property, plant and equipment	15.1.1	1,508,428	1,676,153
Depreciation on investment property	33	1,189,972	1,316,995
Finance cost	35	524,071	59,933
Exchange loss	36	6,713	65,680
Provision for impairment on investment	36	-	175,004
Provision for doubtful debt	36	-	200,000
Land cost	32	(6,154,288)	7,703,056
Cost of development	32	(24,504,559)	7,698,650
Interest income on un-winding	37	(146,333)	-
Loss from joint venture	12.2.1	272,798	385,154
		(64,147,759)	6,818,322
Operating loss before working capital changes		(65,088,956)	(2,236,683)
Increase/(decrease) in current assets:			
Stores and spares		(25,157)	(63,929)
Trade and other receivable		585,904	626,063
Loan and advances		(40,010,681)	60,672,567
Inventories		13,044,533	(43,215,561)
Deposits and prepayments		(153,371)	(76,459)
Short term investment		(1,660,000)	-
Long term security deposit		-	(100,000)
Due from related parties		(23,638)	2,070,940
Increase/(decrease) in current liabilities			
Trade and other payables		(31,958,063)	(7,240,896)
Payable against land		(159,326)	(40,032,554)
Advance from customers		122,732,262	37,245,888
Long term security deposits		3,231	56,944
Cash from operating activities		(2,713,262)	7,706,320
Income tax paid		(714,117)	(334,086)
Finance cost		(56,909)	(55,344)
Net cash (used)/generated from operating activities	A	(3,484,288)	7,316,890
Cash flow from investing activities			
Payment for acquisition of property, plant and equipment		(439,391)	(658,422)
Proceeds from disposal of property, plant and equipment		8,655	43,335
Proceeds from (payment for) Capital work-in-progress		824,869	(284,658)
Payment against long term project		(898,957)	(2,146,691)
Proceeds from disposal of long term certificate of deposit		10,000	-
Net cash used in investing activities	B	(494,824)	(3,046,456)
Cash flow from financing activities			
Proceeds from short term financing		200,000	750,000
Net cash generated from financing activities	C	200,000	750,000
Net (decrease)/ increase in cash and cash equivalents	A+B+C	(3,779,112)	5,020,434
Exchange loss		(6,713)	(65,680)
Cash and cash equivalents at the beginning of the year		8,620,787	3,666,013
Cash and cash equivalents at the end of the year	30	4,834,962	8,620,787

The annexed notes 1 to 46 form an integral part of these financial statements.

Chief Executive

Director

ATTESTED
Company Secretary
Bahria Town (Pvt) Ltd

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

1 The Company and its operations:

- 1.1 Bahria Town (Private) Limited ("the Company") was incorporated on January 14, 1997 under the repealed Companies Ordinance, 1984 (repealed with the enactment of the Companies Act, 2017 on May 30, 2017). The registered office of the Company is situated at Customer Support Center, Bahria Complex, Phase 8, Bahria Town, Rawalpindi.

The Company is mainly engaged in development of land for housing colonies, construction of villas/houses, apartment buildings/high rise buildings and execution of projects through joint venture agreements.

The Company is also engaged in purchase and sale of electricity to the dwellers of its housing scheme. Necessary approvals has been obtained by the Company from The National Electric Power Regulatory Authority (NEPRA) for the Rawalpindi/Islamabad (Safari Villas, Phase I to VII & Garden City) whereas License for Lahore project is in process.

Geographical location of the Company's offices for operational purposes of the Company are as under:

Rawalpindi/Islamabad

- Customer Support Center, Bahria Complex, Phase 8, Bahria Town Rawalpindi.

- Corporate Office, Phase-II, Bahria Town, Rawalpindi.

- Garden City, Phase VII, Rawalpindi/Islamabad.

- 17-miles Murree expressway, Near Phulgran, ICT Islamabad.

- Phase II, Bahria Enclave, Kuri Road Islamabad

- Plot # 56N, sector F7/G7, Jinnah Avenue, Blue Area, Islamabad.

Lahore

- Bahria Orchard, Raiwind Road Lahore.

Karachi

- 9-Km Toll Plaza Super Highway, Bahria Town, Karachi.

- Plot # 172-C and 173-D, block-2, PECHS, Main Tariq Road, Karachi.

Nawabshah

- Qazi Ahmed & Shah Road, Shaheed Benazir Abad, Sindh.

- The Company is developing/ maintaining projects in the above mentioned geographical locations.

Purpose

Registered Head Office and Customers' Support Center (Rawalpindi/ Islamabad Projects).

Corporate Office.

Site Office.

Golf City.

Bahria Enclave Head Office.

Mall of Islamabad.

Purpose

Site Office and Customers' Support Center (Lahore Projects).

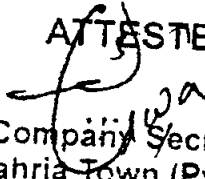
Purpose

Karachi Site Office and Customers' Support Center (Karachi Projects).

Bahria Town, Tower.

Purpose

Site Office.

ATTESTED

Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

2 Statement of compliance and significant accounting estimates

2.1 Statement of compliance

These financial statements have been prepared in accordance with the accounting and reporting standards as applicable in Pakistan. The accounting and reporting standards applicable in Pakistan comprise of:

- International Financial Reporting Standards (IFRS standards) issued by the International Accounting Standards Board (IASB) as notified under the Companies Act, 2017; and
- provisions of and directives issued under the Companies Act, 2017.

Where provisions of and directives issued under the Companies Act, 2017 differ from the IFRS standards, the provisions of and directives issued under the Companies Act, 2017 have been followed.

2.2 Basis of measurement

These financial statements have been prepared under the historical cost convention using accrual basis of accounting, except for cash flow information.

2.3 Functional and presentation currency

These financial statements are presented in Pakistan Rupee (Rs. / Rupees) which is the Company's functional currency. Amounts presented in the financial statements have been rounded off to the nearest thousand of Rs. / Rupees, unless otherwise stated.

2.4 These financial statements are the separate financial statements of the Company.

2.5 Use of significant estimates and judgments

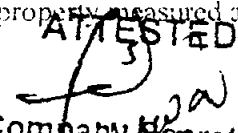
The preparation of financial statements in conformity with approved accounting standards requires management to make judgment, estimates and assumptions that effect the application of policies and reported amounts of assets and liabilities, income and expenses.

The estimates and associated assumptions are based on historical experience and various other factors that are believed to be reasonable under the circumstances, the results of which form the basis of making judgment about carrying value of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates.

The estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognized in the period in which estimates are revised if the revision effects only that period, or in the period of the revision and future periods if the revision effects both current and future periods.

The areas where various assumptions and estimates are significant to the Company's financial statements or where judgments were exercised in application of accounting policies are as follows:

- useful lives, residual values and depreciation method of property, plant and equipment;
- useful lives, residual values and depreciation method of investment property measured at cost;
- impairment loss of non-financial assets other than inventories;
- provision for expected credit loss;
- provision for impairment of inventories/ stores and spares;
- estimation of provisions;
- estimation of contingent liabilities; and
- current income tax expense, provision for current tax and recognition of deferred tax asset.

ATTESTED

Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

3 STANDARDS, INTERPRETATIONS AND AMENDMENTS TO PUBLISHED APPROVED ACCOUNTING STANDARDS

3.1 New / Revised Standards, Interpretations and Amendments

The accounting policies adopted in the preparation of these financial statements are consistent with those of the previous financial year, except for new standards, interpretation and amendments to following standards as described below:

IFRS 3	Business Combinations - Definition of a Business (amendments)
IFRS 7 & IFRS 9	Financial instruments - Amendments regarding pre-replacement issues in the context of the Interest Rate Benchmark Reform (IBOR)
IAS 1 & IAS 8	Presentation of Financial Statements & Accounting Policies, Changes in Accounting Estimates and Errors: Definition of Material, to clarify the definition of material and its alignment with the definition used in the Conceptual Framework (amendments)
IFRS 16	Covid-19-Related Rent Concessions (Amendment to IFRS 16)
IFRS 16	Covid-19-Related Rent Concessions beyond 30 June 2021 - Amendment to IFRS 16

The adoption of the above standards, amendments and improvements to accounting standards did not have any material effect on the financial statement.

3.2 Standards, Interpretations and amendments to approved accounting standards that are not yet effective:

The following amendments to the approved accounting and reporting standards, applicable in Pakistan, would be effective from the dates mentioned below against the respective standards and interpretation have not been adopted early by the Company:

Standard or Interpretation	Effective date (annual periods beginning on or after)
IAS 7 & IAS 9	Interest Rate Benchmark Reform - Phase 2 - Amendments to IFRS 9, IAS 39, IFRS 7, IFRS 4 and IFRS 16
	01 January 2021

ATTESTED

[Signature]
Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

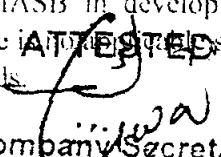
Notes to the Financial Statements

For the year ended June 30, 2021

IFRS 3	Business Combinations - The amendment updates a reference in IFRS 3 to the Conceptual Framework for Financial Reporting without changing the accounting requirements for business combinations.	01 January 2022
IAS 16	Property, plant and equipment - Amendment to clarify the prohibition on an entity from deducting from the cost of an item of property, plant and equipment any proceeds from selling items produced while bringing that asset to the location and condition necessary for it to be capable of operating in the manner intended by management. Instead, an entity recognizes the proceeds from selling such items, and the cost of producing those items, in	01 January 2022
IAS 37	Provisions, Contingent Liabilities and Contingent Assets to specify which costs an entity needs to include when assessing whether a contract is onerous or loss-making.	01 January 2022
IAS 1	Presentation of Financial Statements to clarify how to classify debt and other liabilities as current or non-	01 January 2023
IAS 1	Presentation of Financial Statements to require that an entity discloses its material accounting policies, instead of its significant accounting policies. Further amendments explain how an entity can identify a material accounting policy.	01 January 2023
IAS 8	Accounting Policies, Changes in Accounting Estimates and Errors (Amendments) - Definition of Accounting Estimates. Under the new definition, accounting estimates are "monetary amounts in financial statements that are subject to measurement uncertainty"	01 January 2023
IFRS 10 & IAS 28	Consolidated Financial Statements & Investment in Associates and Joint Ventures - Sale or Contribution of Assets between an Investor and its Associate or Joint Venture -- (Amendment)	Not yet finalized

The above new amendments to standards and interpretations are not expected to have any material impact on the Company's financial statements in the period of initial application.

In addition to the above new standards and amendments to standard and interpretations, The IASB has also issued the revised Conceptual Framework for Financial Reporting (the Conceptual Framework) in March 2018 which is effective for annual periods beginning on or after January 01, 2020 for preparers of financial statements who develop accounting policies based on the Conceptual Framework. The revised Conceptual Framework is not a standard, and none of the concepts override those in any standard or any requirements in a standard. The purpose of the Conceptual Framework is to assist IASB in developing standards, to help preparers develop consistent accounting policies if there is no applicable standard in place and to assist all parties to understand and interpret the standards.

ATTESTED

Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

In addition to the above new standards and amendments to standard and interpretations, improvements to various accounting standards have also been issued by the IASB in May 2020. Such improvements are generally effective for accounting periods beginning on or after 01 January 2022. The Company expects that such improvements to the standards will not have any material impact on the Company's financial statements in the period of initial application.

Further, the following new standards have been issued by IASB which are yet to be notified by the Securities and Exchange Commission of Pakistan (SECP) for the purpose of applicability in Pakistan.

IFRS 1 First time adoption of International Financial Reporting Standards

IFRS 17 Insurance Contracts

The Company expects that the adoption of the above revision, amendments and interpretation of the standards will not affect the Company's financial statements in the period of initial

4 Significant accounting policies

The principle accounting policies which have adopted in the preparation of these accounts are as

4.1 Taxation

The tax expense for the period comprises current and deferred tax. Tax is recognized in profit or loss, except that a change attributable to an item of income or expense recognized as other comprehensive income is also recognized directly in other comprehensive income.

4.1.1 Current

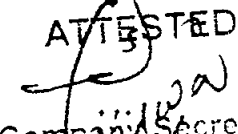
Provision for current taxation is based on taxable income at the current rates of taxation after considering rebates and tax credits available, if any. The charge for the current tax also includes adjustments where necessary, relating to prior years which arise from assessments framed/finalized during the year.

4.1.2 Deferred

Deferred tax is provided by applying balance sheet liability method for all temporary differences at the date of statement of financial position between tax bases of assets and liabilities and their carrying amounts for financial reporting purposes.

Deferred tax asset is recognized for all deductible temporary differences and carry forward of unused tax losses and tax credits, if any, to the extent that it is probable that taxable profits will be available against which such temporary differences and tax losses/credits can be utilized. Deferred tax liabilities are recognized for all major taxable temporary differences.

The carrying amount of deferred income tax assets is reviewed at each reporting date and reduced to the extent that it is no longer probable that sufficient taxable profit will be available to allow all or part of the deferred income tax asset to be utilized. Unrecognized deferred income tax assets are reassessed at each reporting date and recognized to the extent that it has become probable that future taxable profit will allow deferred tax asset to be recovered.

ATTESTED

Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

Deferred tax assets and liabilities are measured at the tax rates that are expected to apply to the period when the asset is realized or the liability is settled, based on tax rates that have been enacted or substantively enacted at the date of statement of financial position. Deferred tax is charged or credited to the statement of profit or loss for the period, except in the case of items credited or charged to equity in which case it is included in equity or statement of comprehensive income. In this regard, the effects on deferred taxation of the portion of income expected to be subject to final tax regime is adjusted in accordance with the requirements of Accounting Technical Release - 27 of The Institute of Chartered Accountants of Pakistan (ICAP), if considered material.

4.2 Property, plant and equipment

Owned assets

Property, plant and equipment are initially recognized at acquisition cost, including any costs directly attributable to bringing the assets to the location and condition necessary for it to be capable of operating in the manner intended by the Company's management. Property, plant and equipment are subsequently stated at cost less accumulated depreciation and identified impairment losses, if any.

Land is not depreciated. Depreciation on other fixed assets is charged to the statement of profit or loss on the reducing balance method at the rates as specified in the relevant note the financial statements. Normal repairs and maintenance is charged to the statement of profit or loss as and when incurred, whereas all major renewals and replacements are capitalized.

Depreciation on additions to property, plant and equipment except freehold land is charged from the month in which an asset is acquired or capitalized, while no depreciation is charged in the month in which an asset is disposed off.

The assets' residual values, useful lives and depreciation methods are reviewed, and adjusted prospectively if appropriate, if there is an indication of a significant change since the last reporting date.

An asset's carrying amount is written down immediately to its recoverable amount if the asset's carrying amount is greater than its estimated recoverable amount.

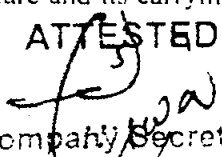
Gains or losses on disposal of property, plant and equipment are included in current year's statement of profit or loss. Impairment loss and its reversal (if any) is also charged to the statement of profit or loss for the year.

4.3 Investments

Investments in subsidiaries, associates and joint ventures are stated at cost less provisions for impairment, if any.

The Company determines at each reporting date whether there is any objective evidence that the investment in the subsidiaries, associates and joint ventures is impaired. If this is the case, the Company calculates the amount of impairment as the difference between the recoverable amount of the subsidiary, associate, joint venture and its carrying value and recognizes the same in the profit or loss.

ATTESTED


Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

4.4 Investment property

Investment property is the property held either to earn rental income or for capital appreciation or for both, but not for sale in the ordinary course of business services or for administrative purposes. Investment property is measured at cost on initial recognition and subsequently cost less accumulated depreciation/ accumulated impairment losses with any change therein recognized in statement of profit or loss.

Cost of investment property includes expenditures that are directly attributable to the acquisition of the investment property. The cost of self-constructed investment property, includes the cost of materials and direct labour, any other costs directly attributable to bringing the investment property to a working condition for their intended use and capitalized borrowing costs.

Minor renewals/replacements/repairs and maintenance cost are charged to profit or loss as and when incurred. Major renewals and replacement are capitalized.

Any gain or loss on disposal of an investment property (calculated as the difference between the net proceeds from disposal and the carrying amount of the item) is recognized in statement of profit or loss.

4.5 Foreign currency translations

Transactions in foreign currency are translated to the functional currency using exchange rate at the date of transaction. Monetary assets and liabilities denominated in foreign currency at the reporting date are translated to the functional currency at exchange rate at that date. Non-monetary assets and liabilities denominated in foreign currency that are measured at fair value are translated to the functional currency at exchange rate at the date that fair value was determined. Non-monetary assets and liabilities denominated in foreign currency that are measured at historical cost are translated to the functional currency at exchange rate at the date of transaction. Any gain or loss arising on transaction is recognized in profit or loss/ statement

4.6 Receivable from customers

Plots where physical possession has been handed over and amount is partially recoverable is treated as receivable from customers. These are stated at book value. Debts considered bad are provided for or written off and no general provision for the bad and doubtful debts is


4.7 Advance from customers

Installments received from customers against allotment of plots has been considered as an advance. These are recognized as revenue on the basis of completion of percentage of work done while advances where development work is yet to start has been considered as long term advances from customers.

4.8 Trade and other payables

Trade and other payables are recognized initially at fair value and subsequently measured at amortized cost using the effective interest method. These are classified as current liabilities if payment is due within one year or less (or in the normal operating cycle of the business if

ATTESTED


Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

4.9 Revenue recognition

- Revenue from sale of plots, houses, villas, apartment buildings, commercial and residential towers is recognized on the basis of completion of percentage of work done.
- Revenue from sale of electricity, rental income, profit on pls bank accounts and profit from Joint Venture Projects is recognized on accrual basis.
- Deduction from customers, plot transfer fee, customer registration fee and surcharge on late payment from customers is recognized on actual receipts basis.

4.10 Borrowing cost

Borrowing costs directly attributable to the acquisition, construction or production of qualifying assets, if any, are added to the cost of those assets, until such time as the assets are substantially ready for their intended use or sale. Investment income earned on the temporary investment of specific borrowings, if any, is deducted from the borrowing costs eligible for capitalization. All other borrowing costs are recognized as expense in the period in which they are incurred.

4.11 Cash and cash equivalents

Cash and cash equivalents are carried in statement of financial position at cost. For the purpose of cash flow statement, cash and cash equivalents comprise of cash in hand, balance with banks on current and saving accounts, cash deposit receipts and payorder in hand.

4.12 Inventory

Project land and project costs incurred during the year are classified as inventory. These are carried at the lower of cost or Net Realizable Value (NRV). Work-in-process comprises of plots, houses, villas, apartment buildings, commercial and residential towers in the process of construction/ development. Cost in relation to work-in-process comprises of cost of direct materials, labour and appropriate overheads, if any. Net realizable value signifies the estimated selling price in the ordinary course of business less costs necessary to be incurred in order to make the sale.

Stores and spares have been valued at lower of net realizable value or average cost except for items in transit which are stated at cost.


4.13 Staff retirement benefits

The Company operates an unfunded gratuity scheme covering all permanent employees who have completed the minimum qualifying period. However, no provision has been carried in these financial statements since the Company has no permanent employee at its strength.

4.14 Financial instruments

Financial assets and financial liabilities are recognized when an entity becomes a party to the contractual provisions of the instruments. A financial instrument is any contract that gives rise to a financial asset of one entity and a financial liability or equity instrument of another entity.

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Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

4.14.1 Financial assets

a) Initial recognition and measurement

Financial assets are classified, at initial recognition, as subsequently measured at amortized cost, fair value through Other Comprehensive Income (OCI), and fair value through profit or loss.

The classification of financial assets at initial recognition depends on the financial asset's contractual cash flow characteristics and the Company's business model for managing them. With the exception of trade receivables that do not contain a significant financing component or for which the Company has applied the practical expedient, the Company initially measures a financial asset at its fair value plus, in the case of a financial asset not at fair value through profit or loss, transaction costs. Trade receivables that do not contain a significant financing component or for which the Company has applied the practical expedient are measured at the transaction price determined under IFRS-15 as explained in relevant note Revenue from Contracts with

In order for a financial asset to be classified and measured at amortized cost or fair value through OCI, it needs to give rise to cash flows that are 'Solely Payments of Principal and Interest (SPPI)' on the principal amount outstanding. This assessment is referred to as the SPPI test and is performed at an instrument level.

The Company's business model for managing financial assets refers to how it manages its financial assets in order to generate cash flows. The business model determines whether cash flows will result from collecting contractual cash flows, selling the financial assets, or both.

Purchases or sales of financial assets that require delivery of assets within a time frame established by regulation or convention in the market place (regular way trades) are recognized on the trade date, i.e. the date that the Company commits to purchase or sell the asset.

b) Subsequent measurement

For purpose of subsequent measurement, financial assets are classified in four

- Financial assets at amortized cost (debt instruments);
- Financial assets at fair value through OCI with recycling of cumulative gains and losses (debt instruments);
- Financial assets designated at fair value through OCI with no recycling of cumulative gains and losses upon derecognition (equity instruments); or
- Financial assets at fair value through profit or loss.

Financial assets at amortized cost (debt instruments)

The Company measures financial assets at amortized cost if both of the following conditions are met:

- i) The financial asset is held within a business model with the objective to hold financial assets in order to collect contractual cash flows.
- ii) The contractual terms of the financial asset give rise on specified dates to cash flows that are solely payments of principal and interest on the principal amount outstanding.

Company Secretary
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Notes to the Financial Statements

For the year ended June 30, 2021

Financial assets at amortized cost are subsequently measured using the EIR method and are subject to impairment. Gains and losses are recognized in profit or loss when the asset is derecognized, modified or impaired.

Financial assets at fair value through OCI (debt instruments)

The Company measures financial assets at fair value through OCI if both of the following conditions are met:

- i) The financial asset is held within a business model with the objective of both holding to collect contractual cash flows and selling, and
- ii) The contractual terms of the financial asset give rise on specified dates to cash flows that are solely payments of principal and interest on the principal amount outstanding.

For debt instruments at fair value through OCI, interest income, foreign exchange revaluation and impairment losses or reversals are recognized in the statement of profit or loss and computed in the same manner as for financial assets measured at amortized cost. The remaining fair value changes are recognized in OCI. Upon derecognition, the cumulative fair value change recognized in OCI is recycled to profit or loss.

Financial assets designated at fair value through OCI (equity instruments)

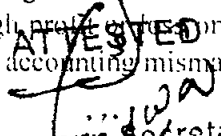
Upon initial recognition, the Company can elect to classify irrevocably its equity investments as equity instruments designated at fair value through OCI when they meet the definition of equity under IAS 32 Financial Instruments: Presentation and are not held for trading. The classification is determined on an instrument-by-instrument basis.

Gains and losses on these financial assets are never recycled to profit or loss. Dividends are recognized as other income in the statement of profit or loss when the right of payment has been established, except when the Company benefits from such proceeds as a recovery of part of the cost of the financial asset, in which case, such gains are recorded in OCI. Equity instruments designated at fair value through OCI are not subject to impairment assessment.

Based on business model of the Company, it elected to classify irrevocably its equity investments under this category.

Financial assets at fair value through profit or loss

Financial assets at fair value through profit or loss include financial assets held for trading, financial assets designated upon initial recognition at fair value through profit or loss, or financial assets mandatorily required to be measured at fair value. Financial assets are classified as held for trading if they are acquired for the purpose of selling or repurchasing in the near term. Derivatives, including separated embedded derivatives, are also classified as held for trading unless they are designated as effective hedging instruments. Financial assets with cash flows that are not solely payments of principal and interest are classified and measured at fair value through profit or loss, irrespective of the business model. Notwithstanding the criteria for debt instruments to be classified at amortized cost or at fair value through OCI, as described above, debt instruments may be designated at fair value through profit or loss on initial recognition if doing so eliminates, or significantly reduces, an accounting mismatch.

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Company Secretary
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Notes to the Financial Statements

For the year ended June 30, 2021

Financial assets at fair value through profit or loss are carried in the statement of financial position at fair value with net changes in fair value recognized in the statement of profit or loss.

c) Derecognition

A financial asset (or, where applicable, a part of a financial asset or part of a group of similar financial assets) is primarily derecognized (i.e., removed from the Company's statement of financial position) when:

- i) The rights to receive cash flows from the asset have expired, or
- ii) The Company has transferred its rights to receive cash flows from the asset or has assumed an obligation to pay the received cash flows in full without material delay to a third party under a "pass-through" arrangement; and either:
 - (a) the Company has transferred substantially all the risks and rewards of the asset, or
 - (b) the Company has neither transferred nor retained substantially all the risks and rewards of the asset, but has transferred control of the asset.

When the Company has transferred its rights to receive cash flows from an asset or has entered into a pass-through arrangement, it evaluates if, and to what extent, it has retained the risks and rewards of ownership. When it has neither transferred nor retained substantially all of the risks and rewards of the asset, nor transferred control of the asset, the Company continues to recognize the transferred asset to the extent of its continuing involvement. In that case, the Company also recognizes an associated liability. The transferred asset and the associated liability are measured on a basis that reflects the rights and obligations that the Company has retained.

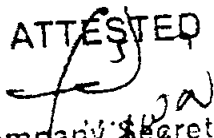
Continuing involvement that takes the form of a guarantee over the transferred asset is measured at the lower of the original carrying amount of the asset and the maximum amount of consideration that the Company could be required to repay.

d) Impairment of financial assets

The Company recognizes an allowance for Expected Credit Losses (ECLs) for all debt instruments not held at fair value through profit or loss. ECLs are based on the difference between the contractual cash flows due in accordance with the contract and all the cash flows that the Company expects to receive, discounted at an approximation of the original effective interest rate. The expected cash flows will include cash flows from the sale of collateral held or other credit enhancements that are integral to the contractual terms.

ECLs are recognized in two stages. For credit exposures for which there has not been a significant increase in credit risk since initial recognition, ECLs are provided for credit losses that result from default events that are possible within the next 12-months (a 12-month ECL). For those credit exposures for which there has been a significant increase in credit risk since initial recognition, a loss allowance is required for credit losses expected over the remaining life of the exposure, irrespective of the timing of the default (a lifetime ECL).

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Bahria Town (Pvt) Ltd.

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Notes to the Financial Statements

For the year ended June 30, 2021

For trade receivables and contract assets, the Company applies a simplified approach in calculating ECLs. Therefore, the Company does not track changes in credit risk, but instead recognizes a loss allowance based on lifetime ECLs at each reporting date. The Company has established a provision matrix that is based on its historical credit loss experience, adjusted for forward-looking factors specific to the debtors and the economic environment.

For debt instruments at fair value through OCI, the Company applies the low credit risk simplification. At each reporting date, the Company evaluates whether the debt instrument is considered to have low credit risk using all reasonable and supportable information that is available without undue cost or effort. In making that evaluation, the Company reassesses the internal credit rating of the debt instrument. In addition, the Company considers that there has been a significant increase in credit risk when contractual payments are more than 30 days past due.

The Company considers a financial asset in default when contractual payments are 30 days past due. However, in certain cases, the Company may also consider a financial asset to be in default when internal or external information indicates that the Company is unlikely to receive the outstanding contractual amounts in full before taking into account any credit enhancements held by the Company. A financial asset is written off when there is no reasonable expectation of recovering the contractual cash flows.

4.14.2 Off-setting of financial assets and liabilities

Financial assets and liabilities are offset and the net amount is reported in the statement of financial position when there is a legally enforceable right to offset the recognized amounts and there is an intention to settle either on a net basis, or to realize the asset and settle the liability simultaneously.

4.14.3 Financial liabilities

Initial recognition and measurement

Financial liabilities are classified, at initial recognition, as financial liabilities at fair value through profit or loss, loans and borrowings, payables, or as derivatives designated as hedging instruments in an effective hedge, as appropriate.

All financial liabilities are recognized initially at fair value and, in the case of loans and borrowings and payables, net of directly attributable transaction costs.

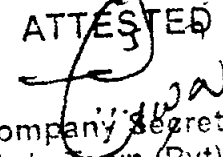
Subsequent measurement

The measurement of financial liabilities depends on their classification, as described below:

a) Financial liabilities at fair value through profit or loss

Financial liabilities at fair value through profit or loss include financial liabilities held for trading and financial liabilities designated upon initial recognition as at fair value through profit or loss.

Financial liabilities are classified as held for trading if they are incurred for the purpose of repurchasing in the near term.

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Bahria Town (Pvt) Ltd.

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Notes to the Financial Statements

For the year ended June 30, 2021

Gains or losses on liabilities held for trading are recognized in the statement of comprehensive income. Financial liabilities designated upon initial recognition at fair value through profit or loss are designated at the initial date of recognition, and only if the criteria in IFRS 9 are satisfied. The Company has not designated any financial liability as at fair value through profit or loss.

b) Financial liabilities at amortized cost

After initial recognition, interest-bearing loans and borrowings are subsequently measured at amortized cost using the Effective Interest Rate (EIR) method.

Gains and losses are recognized in statement of comprehensive income when the liabilities are derecognized as well as through the EIR amortization process.

Amortized cost is calculated by taking into account any discount or premium on acquisition and fees or costs that are an integral part of the EIR. The EIR amortization is included as finance costs in the statement of comprehensive income.

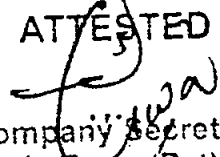
4.15 Provisions

Provisions are recognized when the Company has a present legal or constructive obligation as a result of past events it is probable that a transfer of economic benefits will be required to settle the obligation and the amount can be reliably estimated. Provisions are not recognized for future operating losses. Provisions are measured at the present value of the amount expected to be required to settle the obligation using a pre-tax rate that reflects current market assessments of the time value of money and the risks specific to the obligation.

4.16 Contingent liability

Contingent liability is disclosed when:

- there is a possible obligation that arises from past events and whose existence will be confirmed only by the occurrence or non occurrence of one or more uncertain future events not wholly within the control of the Company; or
- there is present obligation that arises from past events but it is not probable that an outflow of resources embodying economic benefits will be required to settle the obligation or the amount of the obligation cannot be measured with sufficient reliability.

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Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

Note	2021 (Rupees in thousands)	2020
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5 Share capital

Authorized share capital

120,000,000 (2020: 120,000,000) ordinary shares of
Rs.10 each

<u>1,200,000</u>	<u>1,200,000</u>
------------------	------------------

Issued, subscribed and paid-up capital

22,000,000 (2020: 22,000,000) ordinary shares of
Rs. 10/- each fully paid in cash

<u>220,000</u>	<u>220,000</u>
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5.1 Reconciliation of issued, subscribed and paid up capital

2021	2020			
Number of shares				
22,000,000	22,000,000	At beginning of the year	220,000	220,000
-	-	Issued during the year	-	-
22,000,000	22,000,000	At the end of the year	220,000	220,000

6 Advance from customers

Unsecured

Advance from customers

502,239,812	415,040,676
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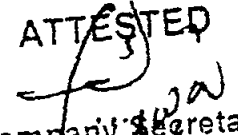
Less: current portion

10	312,980,398	241,433,266
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Non-current portion

6.1	<u>189,259,414</u>	<u>173,607,410</u>
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6.1 This represents advance received from customers including those projects where development work has yet to start.

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Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

2021
Note (Rupees in thousands)

7 Payable against land

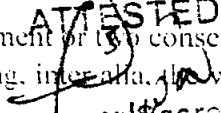
Secured

Payable to Honourable Supreme Court of Pakistan

Opening balance		407,468,685	447,501,239
Add: Addition/ (adjustment) during the year	7.2 & 23.1.1	(140,170,679)	-
		267,298,006	447,501,239
Less: paid during the year		159,326	40,032,554
Total payable against land		267,138,680	407,468,685
Less: current portion	9	-	27,468,685
Non-current portion		267,138,680	380,000,000

7.1 This represents the amount payable against land consequent to the order passed on March 21, 2019 by Honourable Supreme Court of Pakistan for implementation of its judgment dated May 04, 2018 that was passed in CMA No. 376-K of 2014 in SMC No. 16 of 2011 in respect of Bahria Town (Private) Limited, Karachi project (Company's Karachi project). In the mean time, the Honourable Supreme Court of Pakistan has accepted the Company's offer of Rs. 460 billion to acquire the rights of the land measuring 16,896 Acres in 5 Dehs i.e. Deh Bolhari, Deh Langhaji, Deh Konkar, Deh Kharkharo and Deh Kathore, which are identified in site plan prepared and agreed upon by SUPARCO, Survey of Pakistan and Representative of the Company and marked as "C", subject to the following conditions:

- a) The Company agreed to pay a sum of Rs. 460 billion within a period of seven years commencing from September 01, 2019 to August 31, 2026;
- b) The down payment of Rs. 25 billion (including the amount already deposited with the account maintained by the Honourable Supreme Court of Pakistan and the payments admittedly made to the Government of Sindh) will be paid on or before August 27, 2019;
- c) Remaining amount of Rs. 435 billion shall be paid as follows:
 - i- Firstly, in forty eight (48) monthly installments of Rs. 2.5 billion starting from September 01, 2019; and
 - ii- Thereafter the balance payments shall be made in thirty six (36) equal monthly installments along with 4 % mark-up charged annually w.e.f. September 01, 2023.
- d) In event of default in repayment, Company shall be liable to pay mark-up on any default @ 10% per annum. This shall be in addition to other penal consequences provided in the said order;
- e) Each monthly installment shall be paid/ settled in full by the 7th day of each month in advance;
- f) 30% of outstanding amount of Karachi project towards allottees as well as future sale proceeds, collected or deposited shall be transferred to the designated accounts already opened by the court. Such an amount shall be utilized towards the down payment and installments mentioned above;
- g) In case of default and failure to deposit the down payment or 15 consecutive installments or three installments in total, shall constitute a default resulting, inter alia, the whole balance amount shall become due and payable.

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Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

Security:

- h) The security for payments will be properties listed in paragraph 9 of CMA No.2232 of 2019, which are as follows:

- i- Undisputed land owned by Karachi project which it gave in nullified exchange; and
- ii- Non-saleable land or built up property in Karachi including Theme Park, Danzoo, Rafi Cricket Stadium, Faimah School, Head office, Hospital, Staff Colony, Cine Gold Cinema, Fire Station, Quarantine Centre, Eiffel Tower, Grid Station, Bahria Dancing Fountain, Butterfly Mesh House, Parks and Playgrounds, Restaurants, Petrol Pumps, Service Stations, Slaughter House, SNG Plant, STP, Water Reservoirs, Green Valley, Hotel, Substations, Corporate Office, Facilitation Centre, Weighing Station;

The said properties cannot be encumbered, burdened, mortgaged, varied, transferred or sold by Company without permission of the Court.

- i) The past/ present directors/ shareholders/ promoters of Bahria Town (Private) Limited (BTKL) shall furnish personal guarantees to the satisfaction of the Registrar of this court whereby they shall be jointly and severally liable for any default which may be committed by BTKL in terms of this order.

Other terms and conditions:

- Company's Karachi project is permitted to allot and otherwise deal with 16,896 acres, the property in question, as a builder/ developer only.
- On receipt of entire payment as mentioned above, leasehold rights in the property in question of 16,896 acres may be transferred on lease by the government of Sindh and/ or the Malir Development Authority to Company's Karachi project for a period of 99 years.

- 7.2 The Company moved an application to the Honourable Supreme Court of Pakistan (Honourable Court) having CMA No. 1234 of 2021 dated 24th January 2021 seeking amendment and modification of payment schedule, as per Order dated 21st March 2019.

Further, the management worked out that total available land is 11,747.47 acres instead of 16,896 acres. Total payable calculated by the Honourable Court was Rs. 460 billion based on total land of 16,896 acres. Hence, value of per acre land comes to be Rs. 27.225 million. Based on this, the Management has worked out that total payable against available land of 11,747.47 acres is Rs. 319.766 billion (refer note 14.1.30B & 23.1.1).

	2021	2020
Note (Rupees in thousands)

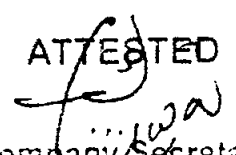
8 Long term security deposits

Security deposits against rented property	8.1	269,912	266,681
		269,912	266,681

- 8.1 This include the security deposits amounting to Rs. 25,000,000/- (2020: Rs. 15,000,000/-) received from Escorts Investment Bank Limited - a related party against rented land and buildings.

8.2 Bifurcation of security deposits

Total utilizable amount	269,912	266,681
Amount utilised during the year	269,912	266,681
Amount kept in separate bank account	-	-

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Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

- 8.3 This represents security deposits received against rented land and building at the time of approving new agreements, in terms of section 217 of the Companies Act, 2017. As per terms of the agreement, the Company has a right to use these security deposits for the purpose of the company and which shall be refundable at the time of expiry of agreement.

	2021	2020
Note	(Rupees in thousands)	

9 Current maturity of payable against land

Secured

Payable to Honourable Supreme Court of Pakistan

Current portion of payable against land	7	-	27,468,685
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10 Current portion of advance from customers

Unsecured

Current portion of advance from customers	6 & 10.1	312,980,398	241,433,266
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- 10.1 This represents advance received from customers against sale of plots, apartments and villas that has not so far been recognized as income as per note 4.7 above.

11 Short term financing

Loan from banking company- secured

Allied Bank Limited

Running finance	11.1	950,000	750,000
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- 11.1 This represents short term running finance facility obtained from Allied Bank Limited (ABL). Total amount of running facility amounts to Rs. 1,000,000,000/-. It carries mark-up @ deposit rate + 0.75% (2020: deposit rate + 0.75%). The loan is secured against cash collateral in shape of lien over Company and its associates maintained with ABL with 5% margin (refer note 30.2).

12 Trade and other payables

Trade creditors - contractors/ suppliers		8,114,111	8,791,869
Retention money		682,501	705,670
Accrued liabilities	12.1	1,260,227	1,030,437
Auditor's remuneration		20,000	14,000
Due to related parties- unsecured	12.2	4,610,846	6,286,415
Lifestyle Development (SMC-Private) Limited	12.3	92,141	-
Due to affiliates of projects		13,613,618	43,485,592
Advance rent from tenants		74,801	12,615
Withholding tax payable		235,221	153,455
Others		8,521	6,094
		28,711,987	60,486,147

12.1 Accrued liabilities

Staff salaries payable	637,820	465,898
Utilities payable	577,112	531,236
Others	45,295	33,303

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Bahria Town (Pvt) Ltd. 1,260,227 1,030,437

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

	Note	2021 (Rupees in thousands)	2020
12.2 Due to related parties - unsecured			
DBH Joint Venture Project	12.2.1	3,976,440	5,531,250
Vicky Trading (Private) Limited	12.2.2	571,579	612,250
Guide Trading (Private) Limited	12.2.2	62,827	115,865
Escorts Capital Limited	12.2.2	-	27,050
		<u>4,610,846</u>	<u>6,286,415</u>

12.2.1 DBH Joint Venture Project:

Due (from) to DBH joint venture	2,633,277	4,460,885
Add: accumulated share of loss- net		
Opening accumulated share of loss- net	1,070,365	685,211
Loss recognised during the year	272,798	385,154
	<u>1,343,163</u>	<u>1,070,365</u>
	<u>3,976,440</u>	<u>5,531,250</u>


This represents the amount due to DBH Joint Venture Project. It is a tri-partite joint venture agreement between the Company, Defense Housing Authority (DHA) and Habib Rafiq (Private) Limited (HRL) where in the Company has to acquire land for the project. Under the agreement, the Company with co-partner, HRL shall develop and market the project and profit/(loss) shall be shared in the ratio of 40:40:20 by the Company, DHA and HRL respectively. The share of loss equal to Rs. 272.798 million for the year ended June 30, 2021 (2020: loss of Rs. 385.154 million) from the joint venture project has been recognized in these financial statements based on unaudited financial statements of the joint venture.

12.2.2 These represents advance obtained from related parties to meet the needs for working capital. The amount is interest free and is repayable on demand.

12.3 This represents amount payable to Lifestyle Development (SMC-Private) Limited against the procurement of land on behalf of Bahria Town (Private) Limited.

13 Mark-up accrued

Mark-up payable on running finance facility	<u>2,777</u>	<u>4,590</u>
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Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

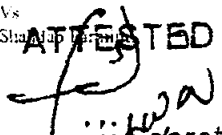
Notes to the Financial Statements

For the year ended June 30, 2021

14 Contingencies and commitments

14.1 Contingencies

Sr. #	Details of litigations	Date of institution	Parties name	Court/ authority in which litigation was filed	Current status
1	Suit for Declaration and permanent injunction of Rs. 4,000,000	5-Aug-17	Asia Bibi vs Bahria Town	Civil Court	Pending for evidence by Asia Bibi.
2	Suit for declaration and permanent injunction of Rs. 5,000,000	16-Dec-08	Khalid Jameel vs Bahria Town	Civil Court	Pending for evidence by Khalid Jameel.
3	Suit for declaration and permanent injunction of Rs. 30,000,000	3-Sep-20	Muhammad Abbas vs Bahria Town	Civil Court	Pending for final decision by Court.
4	Plot Case, Specific Performance	2-Sep-15	Jan Muhammad vs Bahria Town	Civil Court	Pending for final decision by Court.
5	Summon of Respondent and civil appeal for written arguments	18-Dec-14	Bahria Town vs Punjab Province	Civil Court	Pending for arguments on stay application.
6	Plot Case, Specific Performance	23-Jan-18	Riaz Akhtar vs Bahria Town	High Court	Pending for final adjudication.
7	Mouza Hummak land suit for declaration and permanent injunction of Rs. 100,000,000	2019	Bahria Town vs Roman Catholic	Civil Court	Notice to defendant
8	Plot Case, Complaint under Consumer Protection	2019	Shuaib Ashraf vs Bahria Town etc.	High Court	Pending
9	Recovery of Damages	2019	Bahria Foundation vs Hussain Global Associates	High Court	Pending for final adjudication.
10	Suit for prohibition for account recovery of 42,928.80 Pound in which Bahria Town is Performa Party now the case is fixed for written statement	29-Feb-20	Kashif Aziz Vs Waseem Ahmad	Civil Court	Court has ordered for submission of written statement.
11	Suit for declaration and permanent injunction regarding Khassra No. 3274/1 Khawat No. 994 in which Bahria Town claim that defendant are installing electricity poll case is pending for notices	29-Feb-20	Bahria town Vs Amanat	Civil Court	Publication in Roznama sama for defendant No. 1
12	Suit for declaration partition and permanent injunction regarding Khassra No. 1389 Khawat No. 1069 Mouza Pind Bagwal land measuring 6K-7M now the case is fixed for arguments for stay application	3-Mar-20	Rouh Vs Bahria Town	Civil Court	Pending for written arguments on stay application.
13	Suit for declaration and permanent injunction land measuring 73K-07M Mouza Pind Bagwal now the case is pending for plaintiff evidence	3-Mar-20	Raja Abdul Qadeer Vs Bahria Town	Civil Court	Pending for evidence by Raja Abdul Qadeer.
14	Suit is recovery of Rs. 2,960,000/- case is fixed for arguments on stay application	3-Mar-20	Aitziz Haider Vs Bahria Town	Civil Court	arguments on application U/O 7 Rule 11
15	Suit for declaration and permanent injunction regarding Khassra no. 3537, 3574, 3375 Mouza Hummak was the instituted by the Bahria town vs Roman Catholic now the case is fixed for argument on stay application	3-Mar-20	Bahria town Vs Roman Catholic	Civil Court	Court has summoned defendant for appearance before court
16	Suit for declaration permanent and mandatory injunction recovery of Rs. 1,09,37,500/- regarding plot registration No. IDO 90973 Phase VIII now the case is fixed for submission of written statement	4-Mar-20	Sheikh Khalid Mahmood Vs Bahria Town	Civil Court	Pending for written arguments on stay application.
17	Application under 20 of arbitration act regarding land measuring 3720 Kanal and recovery of Rs. 70,000,000/- now the case is fixed for submission of repl	4-Mar-20	Hamid Nawaz Vs Bahria Town	Civil Court	Pending for written arguments on maintainability.
18	Suit for declaration and permanent injunction regarding Khassra No 3471, Khawat No. 923 Mouza Mouhila now the case is fixed for arguments on stay application	4-Mar-20	Musrat Parveen Vs Bahria Town	Civil Court	Pending for written reply

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 Company Secretary
 Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

19	Suit for recovery of 69,80,000/- ARY Show accident now the case is fixed for evidence of plaintiff	4-Mar-20	Muhammad Waqar Vs ARY	Civil Court	Dismissed on non-prosecution.
20	Land Case: Suit for declaration	10-Jun-17	Hamid Nawaz Vs Bahria Town	Civil Court	Pending for written arguments on stay application.
21	Plot Case Suit for declaration	15-Jul-19	Nargis Bibi Vs. Bahria Town	Civil Court	Pending for written arguments on stay application.
22	Land Case: Suit for declaration	12-Nov-15	Muhammad Ismail vs Bahria Town	Civil Court	Pending for evidence by Muhammad Ismail.
23	Land Case: Suit for partition	5-May-15	Anwar ul Haq vs Bahria Town	Civil Court	Court has summoned Bahria Town (Pvt.) Limited for appearance before court.
24	Plot Case Suit for declaration	7-Dec-17	Irshad ullah Khan vs Bahria Town	Civil Court	Pending for evidence by Irshad ullah Khan.
25	Land Case Suit for partition	2-Oct-20	Muhammad Ashraf vs Arshad Javed	Civil Court	Court has summoned defendant for appearance before court.
26	Electricity bill dispute	20-Jan-20	Abrar Hussain vs Muhammad Saleem	Civil Court	Pending for written arguments on stay application.
27	Land Case Suit for cancellation of mutation	22-Jun-16	Zareefa Sohrab vs Zaim Malik etc.	Civil Court	Pending for written arguments on stay application.

The management and the Company's legal advisor, are of the view that the outcome of the above referred litigations are expected to be favorable and a liability, if any, arising on the settlement of these cases is not likely to be material. Accordingly no provision has been made in these financial statements in this regard.

28	The Company is dealing with two important cases CMA 8779/2019 relating to Bahria Takht Pari usus and Cr.MA.1652/2019 relating to Bahria Golf City. These CMAs are proceedings where by judgment of Honorable Supreme Court of Pakistan (SCP) passed on 04-05-2019 in CMA 3854/2014 and C.O.P.57/2015 respectively. In these proceedings SCP is considering the 'protection of third party rights' in Bahria Town Rawalpindi (Takht Pari) and Golf City. Company is supposed to a kind of regularize its projects which involve financial obligation. However the management and the Company's legal advisor, are of the view that at this stage the amount can not be quantified with reasonable certainty because proceedings are sub-judice before SCP and no final orders have been passed in those proceedings. The Company has offered Rs. 22 billion and Rs. 23 billion respectively for settlement that has yet not been accepted by the SCP. Therefore, no provision there against has been provided in these financial statements.	4-May-19	Bahria Town Vs Government Institution Province of Punjab etc.	Honourable Supreme Court of Pakistan	The case is pending adjudication.
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 Company Secretary
 Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

29. A Government Institution filed interim reference against the company and 19 other persons through its Chairman/Director on 09.01.2020 before Accountability Courts at Rawalpindi/Islamabad as was referred by Honourable Supreme Court of Pakistan vide order dated 07.01.2020 in HRC No. 59216-G of 2019 where in the Government Institution was directed to inquire, investigate and file the reference in case cognizable offences are made out as per recommendations of JIT contained in the Final (Synthesis) Report. According to reference, the Company has signed Joint Venture Agreement with Galaxy Construction (Private) Limited for construction of high rise building namely "Bahria Town Icon Tower Project" on the illegal and encroached amenity land measuring 7,000 Sq. Yards out of 17,336 sq. yds. The Company so far invested an amount of Rs. 24,388 billion (refer Note No.17) as of reporting date. However, the management of the Company is confident that out come of said reference will be in its favour, therefore, no provision against this has been made in these financial statements.
- 9-Jan-20 Bahria Town Vs Honourable
Government Institution Supreme Court
of Pakistan The case is pending adjudication.

- 30A. The Company moved an application to the Honourable Supreme Court of Pakistan (Honourable Court) seeking deferment of payments of monthly installment for a period of 3 years starting from September 2020 under order of the Honourable Court dated 21.03.2019. The same was not accepted by the Honourable Court vide its order dated 16th December 2020. A CPR No. 15 of 2021 was filed on 8th February 2021 for review of Order dated 16.12.2020 passed in CMA No. 8824 of 2020 seeking relief because of impact of Covid 19 on real estate business. Further, CMA No. 1234 of 2021 was filed on 24th January 2021 seeking amendment and modification of payment schedule as per Order dated 21st March 2019.
- December 16, 2020, Bahria Town (Private) Limited Vs. Federation of Pakistan, Malir Development Authority etc. Honourable Supreme Court of Pakistan Date in office
- February 08, 2021 & January 24, 2021

- 30B. CMA No. 1145 of 2021 was filed on 17th February 2021 seeking to take into account adjustment of reciprocal obligations as contained in Order dated 21.03.2019. Where total land available for use to the applicant is approximately 11,747.17 Acres instead of 16,896 Acres. In the said CMA the management worked out that total available land is 11,747.17 acres instead of 16,896 acres. Total payable calculated by the Supreme Court was Rs. 160 billion based on total land of 16,896 acres. Hence, value of per acre land comes to be Rs. 20,225 million. Based on this, the Management has worked out that total payable against available land of 11,747.17 acres is Rs. 239,560 billion. Keeping in view the land available, the total amount of payable against land as ascertained through order dated 21.03.2019 be revised accordingly. Another CMA No. 11052 of 2019 is also filed with the Court on this subject which is pending adjudication. Based on the opinion of the legal advisor, the management believes that its actual liability is Rs. 319,766 billion.
- February 08, 2021 & January 24, 2021 Bahria Town (Private) Limited Vs. Federation of Pakistan, Malir Development Authority etc. Honourable Supreme Court of Pakistan Date in office

ATTESTED
Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited**Notes to the Financial Statements****For the year ended June 30, 2021**

31	The tax authorities disallowed certain expenses and created demand of Rs. 169,260 million for the tax year 2011 as 122(5) of the Income Tax Ordinance, 2001 that has been reduced to Rs. 48,567 million by CIT (Appeals). The Company being aggrieved filed an appeal before ITAT against the decision order of CIT (Appeals) and the matter is now pending before ITAT.	22-Jun-17	Bahria Town & Commissioner Inland Revenue (Appeals)	Income Tax appellate tribunal	Pending in Income Tax Appellate Tribunal
32	The tax authorities disallowed certain expenses and created demand of Rs. 153,000 million for the tax year 2012 as 122(4) read with 122(5) of the Income Tax Ordinance, 2001 that has been reduced to Rs. 50,575 million by CIT (Appeals). The Company being aggrieved filed an appeal before ITAT against the decision order of CIT (Appeals) and the matter is now pending before ITAT.	2-Jan-15	Bahria Town (Private) Limited & Commissioner Inland Revenue (Appeals)	Income Tax Appellate Tribunal	Pending in Income Tax Appellate Tribunal
33	The tax authorities created demand of Rs. 196,000 million for the tax year 2013 as 161,205 of the Income Tax Ordinance, 2001. The Company has filed an appeal before the CIT(Appeals) and the matter is now pending before ITAT.	23-Jan-17	Bahria Town (Private) Limited & Commissioner Inland Revenue (Appeals)	Income Tax Appellate Tribunal	Pending in Income Tax Appellate Tribunal
34	The tax authorities disallowed certain expenses and created demand of Rs. 779,145 million for the tax year 2013 as 122(5A) of the Income Tax Ordinance, 2001 that has been reduced to Rs. 25,348 million by CIT (Appeals). The Company being aggrieved filed an appeal before ITAT against the decision order of CIT (Appeals) and the matter is now pending before ITAT.	14-Nov-17	Bahria Town (Private) Limited & Commissioner Inland Revenue (Appeals)	Income Tax Appellate Tribunal	Pending in Income Tax Appellate Tribunal
35	The tax authorities disallowed certain expenses and created demand of Rs. 1,002.3 billion for the tax year 2014 as 122(5A) of the Income Tax Ordinance, 2001 that has been reduced to Rs. 302,499 million by CIT(Appeals). The Company being aggrieved filed an appeal before ITAT against the decision order of CIT (Appeals) and the matter is now pending before ITAT.	2-Nov-15	Bahria Town (Private) Limited & Commissioner Inland Revenue (Appeals)	Income Tax Appellate Tribunal	Pending in Income Tax Appellate Tribunal
36	The tax authorities disallowed certain expenses and created demand of Rs. 847,786 million for the tax year 2015 as 122(5A) read with sec. 124 of the Income Tax Ordinance, 2001 that has been reduced to Rs. 236,002 million by CIT (Appeals). The Company being aggrieved filed an appeal before ITAT against the decision order of CIT (Appeals) and the matter is now pending before ITAT.	22-Jun-17	Bahria Town (Private) Limited & Commissioner Inland Revenue (Appeals)	Income Tax Appellate Tribunal	Pending in Income Tax Appellate Tribunal
37	The tax authorities disallowed certain expenses and created demand of Rs. 1,175,875 million for the tax year 2016 as 122(5A) of the income tax Ordinance, 2001 that has been reduced to Rs. 319,375 million by CIT (Appeals). The Company being aggrieved filed an appeal before ITAT against the decision order of CIT (Appeals) and the matter is now pending.	14-Nov-17	Bahria Town & Commissioner Inland Revenue (Appeals)	Income Tax Appellate Tribunal	Pending in Income Tax Appellate Tribunal
38	The tax authorities disallowed certain expenses and created demand of Rs. 1,292 billion for the tax year 2016 as 122(4) read with 122(5) of the Income Tax Ordinance, 2001. That has been reduced to Rs. 201,017 million remanded back.	11-Oct-18	Bahria Town & Income Tax Officer	Large Taxpayer Office (LTO), Islamabad	Pending with Income Tax Department

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[Signature]
Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

- 39 The Company has inadvertently filed amnesty on June 30, 2019 under Assets Declaration Ordinance (ADO) 2019 declaring land and investment in subsidiaries of Rs. 8.017 billion and Rs. 130.200 million respectively committing payment of tax Rs. 428.719 million payable upto June 30, 2020. Because of non payment of tax, tax authorities issued notice u/s 111(1) of the Income Tax Ordinance, 2001 which is pending till date. Company has requested Federal Board of Revenue (FBR) to rectify the mistake which has been refused. Company is contesting the issue and management is of the view that the issue will be settled with tax authorities.
- 8-Jul-20 Bahria Town (Private) Limited & Large Taxpayer Office (LTO), Taxpayer Office (LTO), Islamabad Islamabad Pending with Income Tax Department
- 40 The tax authorities disallowed certain expenses and created demand of Rs. 1,175.375 million for the tax year 2016 u/s 122(5A) of the income tax Ordinance 2001 that has been reduced to Rs. 219.375 million by CIT (Appeals). The Company being aggrieved filled an appeal before ITAT against the decision order of CIT (Appeals) and the matter is now pending.
- 14-Nov-17 Bahria Town & Commissioner Inland Revenue (Appeals) Income Tax Appellate Tribunal Pending in Income Tax Appellate Tribunal

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Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

The management of the Company is of the view that the outcome of these cases pending with authorities are expected to be in its favour and therefore no provision has been made in these financial statements in this regard.

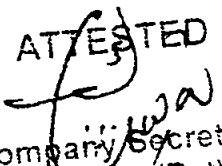
14.2 Commitments

- 14.2.1 Letter of guarantee issued by commercial Banks on behalf of the Company, outstanding at the year end amounted to Rs. 123.986 million (2020: Rs. 58.280 million).
- 14.2.2 Bank guarantee amounting to Rs. 500.000 million (2020: nil) has been issued in favour of Peshawar Development Authority (PDA) by United Bank Limited on behalf of the Company.
- 14.2.3 Performance bonds amounting to Rs. 4.818 billion (2020: Nil) in favour of Director (MP&TE) Rawalpindi Development Authority Metropolitan Planning & Traffic Engineering Dte by The United Insurance Co. of Pakistan Limited on behalf of the Company. These performance bonds are counter guaranteed by Bahria Town (Private) Limited against the right of lien on property either movable or immovable or any other asset to recover the said amount by way of attaching of the property and / or assets through the court of law under the aforesaid performance guarantee in case of default. In addition to the aforementioned counter guarantee, collateral against earmarked/ allocated immovable/ fixed personal property upto 10% of the guarantee sum insured in favour of

	2021	2020
Note	(Rupees in thousands)	

15 Property, plant and equipment

Operating fixed assets	15.1	11,296,958	11,145,598
Capital work-in-progress	15.2	6,259,898	10,289,148
		<u>17,556,856</u>	<u>21,434,746</u>

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Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

15.1 Operating fixed assets

	Free hold land	Office buildings free hold	Factory and workshop shed	Plant and machinery	Motor vehicles	Electrical equipments	Computers	Office equipments	Telecommunication system	Furniture and fixture	Total
(Rupees in thousands)											
As at July 01, 2019											
Cost	696,939	3,504,141	185,059	12,753,365	4,033,433	1,091,597	294,110	280,004	56,159	292,778	23,187,882
Accumulated depreciation	-	(1,361,142)	(85,862)	(6,716,241)	(1,880,297)	(128,221)	(203,802)	(121,810)	(25,513)	(161,093)	(10,983,781)
Net book value	696,939	2,143,299	99,197	6,037,124	2,153,136	663,376	90,308	158,191	30,846	131,685	12,204,101
Year ended June 30, 2020											
Opening net book value	696,939	2,143,299	99,197	6,037,124	2,153,136	663,376	90,308	158,191	30,846	131,685	12,204,101
Additions	-	244,353	14,725	215,304	81,939	31,096	27,943	14,585	17,648	10,830	658,123
Disposals	-	-	-	-	-	-	-	-	-	-	-
Cost	-	-	-	-	(70,284)	-	-	-	-	-	(70,284)
Accumulated Depreciation	-	-	-	-	79,511	-	-	-	-	-	79,511
Accumulated Impairment loss	-	-	-	-	(40,773)	-	-	-	-	-	(40,773)
Depreciation charge	-	(216,621)	(15,455)	(930,789)	(329,145)	(102,837)	(29,772)	(24,970)	(6,108)	(20,456)	(1,676,153)
Closing net book value	696,939	2,171,031	98,467	5,321,639	1,863,157	591,635	88,479	147,806	42,386	122,059	11,145,598
As at July 01, 2020											
Cost	696,939	3,748,794	199,784	12,968,669	4,045,088	1,122,693	322,053	294,586	73,807	303,608	23,776,021
Accumulated depreciation	-	(1,577,763)	(101,317)	(7,647,030)	(2,179,931)	(531,058)	(233,574)	(146,780)	(31,421)	(181,549)	(12,630,423)
Net book value	696,939	2,171,031	98,467	5,321,639	1,865,157	591,635	88,479	147,806	42,386	122,059	11,145,598
Year ended June 30, 2021											
Opening net book value	696,939	2,171,031	98,467	5,321,639	1,865,157	591,635	88,479	147,806	42,386	122,059	11,145,598
Additions	-	1,262,323	617	107,799	194,924	35,181	25,157	46,087	1,514	14,114	1,687,716
Disposals	-	-	-	-	-	-	-	-	-	-	-
Cost	-	-	-	22,549	30,150	-	-	5,021	-	-	57,720
Accumulated Depreciation	-	-	-	(8,706)	(19,148)	-	-	(1,938)	-	-	(29,792)
Accumulated Impairment loss	-	-	-	-	(10,747)	-	-	-	-	-	(10,747)
Depreciation charge	-	(238,377)	(14,818)	(802,717)	(288,621)	(91,466)	(31,321)	(25,304)	(6,478)	(19,326)	(1,508,428)
Impairment loss	-	-	-	-	(10,747)	-	-	-	-	-	(10,747)
Closing net book value	696,939	3,204,977	84,266	4,612,878	1,760,458	535,350	82,315	165,506	37,422	116,847	11,296,958
As at July 01, 2021											
Cost	696,939	5,011,117	200,401	13,053,919	4,209,862	1,157,874	347,210	335,652	75,321	317,722	25,406,017
Accumulated depreciation	-	(1,806,140)	(116,135)	(8,441,041)	(2,449,404)	(622,524)	(264,895)	(170,146)	(37,899)	(200,875)	(14,109,059)
Net book value	696,939	3,204,977	84,266	4,612,878	1,760,458	535,350	82,315	165,506	37,422	116,847	11,296,958
Annual rate of depreciation (%)	-	10%	10%	15%	5%	30%	15%	15%	15%	15%	-

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Company Secretary
Bahria Town (Pvt) Ltd.

15.1.1 Depreciation has been allocated as follows:

Cost of sales
Administrative and general expenses

Note	2021	2020
32	817,535	946,244
33	690,893	729,909
	1,508,428	1,676,153

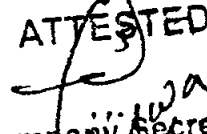
Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

15.1.2 Gain/(loss) on disposal of assets:

Particular	Cost	Accumulated depreciation	WDV	Sale proceeds	Gain/(Loss)	Mode of disposal	Particular of purchaser	Relationship with buyer
..... (Rupees in thousands)								
Plant and machinery	22,442	8,660	13,782	22,442	8,660	Negotiation	M/S Agrico Products	Independent party
Motor Vehicle	3,905	1,620	2,285	4,881	2,886	Insurance claim	TPL Insurance Ltd.	Independent party
Motor Vehicle	4,406	1,577	2,829	4,406	1,612	Insurance claim	TPL Insurance Ltd.	Independent party
Motor Vehicle	2,053	852	1,202	2,053	985	Insurance claim	TPL Insurance Ltd.	Independent party
Motor Vehicle	2,800	1,388	1,412	2,800	1,545	Insurance claim	TPL Insurance Ltd.	Independent party
Motor Vehicle	2,200	1,180	1,020	2,200	1,326	Insurance claim	TPL Insurance Ltd.	Independent party
Office equipment	5,021	1,938	3,084	5,021	1,938	Negotiation	Pakvision	Independent party

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Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

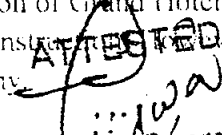
For the year ended June 30, 2021

	Note	2021 (Rupees in thousands)	2020
15.2 Capital work in progress			
Sheraton Hotel - Golf City	15.2.1	5,223,084	5,223,084
Buildings	15.2.2	1,036,814	2,142,333
Grand Hotel - Bahria Springs, Rawalpindi	15.2.3	-	2,232,833
Grid Station	15.2.4	-	690,898
		<u>6,259,898</u>	<u>10,289,148</u>
15.2.1 Sheraton Hotel - Golf City			
Opening balance		5,223,084	5,177,097
Add: Addition		-	45,987
		<u>5,223,084</u>	<u>5,223,084</u>
Less: Transferred to property, plant and equipment		-	-
Closing as at June 30.	15.2.1.1	<u>5,223,084</u>	<u>5,223,084</u>
15.2.2 Buildings			
Opening balance		2,142,333	1,940,747
Add: Addition		142,806	201,586
		<u>2,285,139</u>	<u>2,142,333</u>
Less: Transferred to property, plant and equipment		1,248,325	-
Closing as at June 30.	15.2.2.2	<u>1,036,814</u>	<u>2,142,333</u>
15.2.3 Grand Hotel - Bahria Springs, Rawalpindi			
Opening balance		2,232,833	1,078,933
Add: Addition		33,425	1,153,900
		<u>2,266,258</u>	<u>2,232,833</u>
Less: Sold during the year		2,266,258	-
Closing as at June 30.	15.2.3.3	<u>-</u>	<u>2,232,833</u>
15.2.4 Grid Station			
Opening balance		690,898	690,898
Add: Addition		-	-
		<u>690,898</u>	<u>690,898</u>
Less: Transferred to inventories		690,898	-
Closing as at June 30.	15.2.4.4	<u>-</u>	<u>690,898</u>

15.2.1.1 This represents cost incurred on building of hotel in Golf City Project-Rawalpindi which is in process of construction.

15.2.2.2 This represents cost incurred on buildings of Hospital, Cinema and Customer Support center Phase-VIII-Rawalpindi. (2020: buildings of customer support center Phase-VIII-Rawalpindi, corporate office Enclave Project- Islamabad and Maintenance Complex-Karachi) which are in process of construction.

15.2.3.3 This represented cost incurred on construction of Grand Hotel - Spring North, Bahria Town, Phase-VII Rawalpindi which was in process of construction. However, during the year the grey structure of said building was sold out by the Company.

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Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

15.2.4.4 This represented cost incurred on construction of Grid Station in Rawalpindi which was in process of construction. During the year the Grid Station construction is completed and transferred to development cost.

2021
Note (Rupees in thousands) 2020

16 Investment property

At cost

Land - rented out	16.1	32,000	32,000
Land and buildings - rented out	16.2	22,977,621	23,606,379
		<u>23,009,621</u>	<u>23,638,379</u>

16.1 Land - rented out

Opening balance	32,000	32,000
Additions during the year	-	-
Less: disposal made during the year	-	-
Closing balance	<u>32,000</u>	<u>32,000</u>

16.1.1 This represents following land:

Sr. no.	Location	2021	2020
		(Rupees in thousands)	(Rupees in thousands)
1	Rawalpindi/ Islamabad	32,000	32,000

2021
Note (Rupees in thousands) 2020

16.2 Land and buildings - rented out

Cost

Opening balance	25,034,046	25,034,046
Additions during the year	561,214	-
Less: disposal made during the year	-	-
Closing balance	<u>25,595,260</u>	<u>25,034,046</u>

Less: Accumulated depreciation and impairment

Opening balance	1,427,667	110,672
Add: depreciation for the year	1,189,972	1,316,995
Less: disposal made during the year	-	-
Closing balance	<u>2,617,639</u>	<u>1,427,667</u>

Carrying value as at June 30 22,977,621 23,606,379

Depreciation rate 10% 10%

16.2.1 This represents following land and buildings:

S.No	Location	Land	Building	Total
.....(Rupees in thousands).....				
1	Karachi	11,387,403	11,773,659	23,161,062
2	Rawalpindi/ Islamabad	323,956	1,477,177	1,801,133
3	Lahore	42,064	591,001	633,065
	Total	<u>11,753,423</u>	<u>13,841,837</u>	<u>25,595,260</u>

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33
Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

This represents freehold land and building located at Karachi, Lahore and Rawalpindi/ Islamabad owned by the Company. This property is not occupied by the Company and is held for capital appreciation and earning rental income. The Company carries this investment property under cost model as its fair value cannot be reliably determined as there is no active market for this property and a recent comparable transaction for identical property is also not available. Further, the application of valuation techniques is not supposed to provide a reliable measure of fair value.

16.3 Amounts recognised in statement of profit or loss

Rental income

The rental income in respect of this property amounting to Rs. 622,336,128/- (2020: Rs. 308,818,775/-) has been recognized in profit or loss and included in 'other income'.

Depreciation

Depreciation amounting Rs. 1,189,972,356/- on this property is calculated using reducing balance method to allocate the cost less accumulated depreciation over its estimated useful life. The depreciation on investment property measured at cost is charged to administrative and general expenses.

	2021	2020
Note (Rupees in thousands)	

17 Long term investments

Subsidiaries companies- at cost

Escorts Investment Bank Limited (quoted)	17.1	892,140	892,140
Escorts Capital Limited (un quoted)	17.2	-	-
Classic Entertainment (Private) Limited	17.3	110,000	110,000
Rafi Properties (Private) Limited	17.4	10,000	10,000
Paradise Real Estate (Private) Limited	17.5	10,000	10,000
Vicky Trading (Private) Limited	17.6	100	100
Guide Trading (Private) Limited	17.7	100	100
		<u>1,022,340</u>	<u>1,022,340</u>

17.1 - The Company's shareholding in Escorts Investment Bank Limited (EIBL) is 87.96% (2020: 87.96%) equivalent to 119,279,077 shares (2020: 119,279,077).

- As of the reporting date shares of EIBL were quoted in Pakistan Stock Exchange Limited as at Rs. 10.09 (2020: Rs. 7.80). The value of Company's investment on the basis of net assets of EIBL as disclosed in its audited financial statements for year ended June 30, 2021 was Rs. 738,453,082/- (2020 : Rs. 808,973,273/-).

17.2 Escorts Capital Limited (un quoted)

Investment		175,004	175,004
Less: provision for impairment	17.2.1	<u>175,004</u>	<u>175,004</u>

17.2.1 Provision for impairment

Opening balance		175,004	-
Provision made during the year	36	<u>-</u>	<u>175,004</u>
Closing balance		<u>175,004</u>	<u>175,004</u>

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

- ECL has incurred loss before tax of amount Rs. 16.82 million (2020: Rs. 31.22 million) for the year ended 30 June 2021, and its accumulated losses amount to Rs. 316.42 million (2020: Rs. 299.52 million) as at reporting date. The trading terminal of ECL is suspended since 10 October 2016. Moreover, during the year, ECL has surrendered the Trading Right Entitlement Certificate (TREC) of Pakistan Stock Exchange Limited.

Based on above facts, the management of the Company has reassessed the amount of subsidiary as at the reporting date and based on its assessment the above provision has been made during the year.

- 17.2.2 - The Company's shareholding in Escorts Capital Limited (ECL) was 100% (equivalent to 17,501,000 shares) (2020: 17,501,000 shares) having nominal value of Rs. 175,001,000 along with 300 shares having nominal value of Rs. 3,000 in the name of following persons:

Name	No. of Shares	Value (Rupees)
Muhammad Rasheed Alam	100	1,000
Syed Moosa Raza	100	1,000
Mohammad Munir	100	1,000

- As of the reporting date, the value of Company's investment on the basis of negative net assets of ECL as disclosed in its unaudited financial statements for year ended June 30, 2021 is Rs. 78,319,188/- (2020: Rs. 75,327,754/-).

- 17.3 - The Company's shareholding in Classic Entertainment (Private) Limited (CEL) 100% (equivalent to 11,000,000 shares) having nominal value of Rs. 110,000,000 in the name of following persons.

Name	No. of Shares	Value (Rupees)
Waqas Riffat	5,500,000	55,000,000
Waseem Riffat	5,500,000	55,000,000

- As of the reporting date, the value of Company's investment on the basis of net assets of CEL as disclosed in its un-audited financial statements for year ended June 30, 2021 was Rs. 56,120,074/- (2020: Rs. Rs. 27,922,173/-).

- 17.4 - The Company's shareholding in Rafi Properties (Private) Limited (RPL) 100% (equivalent to 100,000 shares) having nominal value of Rs. 10,000,000 in the name of following persons.

Name	No. of Shares	Value (Rupees)
Waseem Riffat	50,000	5,000,000
Malik Riaz Hussain	50,000	5,000,000

- As of the reporting date, the value of Company's investment on the basis of net assets of RPL as disclosed in its audited financial statements for year ended June 30, 2021 was Rs. 1,908,840,277/- (2020: Rs. 1,418,915,875/-).

- 17.5 - The Company's shareholding in Paradise State (Private) Limited (PRE) 100% (equivalent to 100,000 shares) having nominal value of Rs. 10,000,000 in the name of following persons.

Name	No. of Shares	Value (Rupees)
Malik Riaz Hussain	50,000	5,000,000
Waseem Riffat	50,000	5,000,000

- As of the reporting date, the value of Company's investment on the basis of net assets of PRE as disclosed in its audited financial statements for year ended June 30, 2021 was Rs. 1,946,761,875/- (2020: Rs. 1,542,083,909/-).

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

- 17.6 - The Company's shareholding in Vicky Trading (Private) Limited (VTL) 100% (equivalent to 1,000 shares) having nominal value of Rs. 100,000 in the name of following persons.

Name	No. of Shares	Value (Rupees)
Farhat Hussain	500	50,000
Waseem Riffat	500	50,000

- As of the reporting date, the value of Company's investment on the basis of net assets of VTL as disclosed in its audited financial statements for year ended June 30, 2021 was Rs. 647,134,555/- (2020: Rs. 687,256,689/-).

- 17.7 - The Company's shareholding in Guide Trading (Private) Limited (GTL) 100% (equivalent to 1,000 shares) having nominal value of Rs. 100,000 in the name of following persons.

Name	No. of Shares	Value (Rupees)
Farhat Hussain	500	50,000
Waseem Riffat	500	50,000

- As of the reporting date, the value of Company's investment on the basis of net assets of GTL as disclosed in its audited financial statements for year ended June 30, 2021 was Rs. 144,661,391/- (2020: Rs. 194,785,656/-).

Related parties	Date of incorporation	Registered address
Escorts Investment Bank Limited	May 15, 1995	Alfalah Building, 1st Floor, Sector B, Bahria Town, Lahore.
Escorts Capital Limited	June 05, 2008	Alfalah Building, 1st Floor, Sector B, Bahria Town, Mohlanwal Lahore.
Classic Entertainment (Private) Limited	May 24, 2006	Office No. 1, Old Head Office, Phase-I, Bahria Town, Rawalpindi.
Rafi Properties (Private) Limited	August 24, 2017	House No. 4, Street No. 90, Sector G-6/3, Islamabad.
Paradise Real Estate (Private) Limited	August 23, 2017	House No. 4, Street No. 90, Sector G-6/3, Islamabad.
Vicky Trading (Private) Limited	July 29, 2013	House No. 168, Street No. 9, Bahria Town, Phase-II, Rawalpindi.
Guide Trading (Private) Limited	July 29, 2013	House No. 168, Street No. 9, Bahria Town, Phase-II, Rawalpindi.

Note	2021 (Rupees in thousands)	2020
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18 Long term loans and other receivables

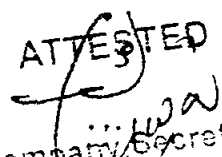
Related parties - at amortized cost

Escorts Investment Bank Limited - unsecured	18.1	-	-
Escorts Capital Limited - unsecured	18.2	-	-

Others - at amortized cost

Receivable from NK Associates and Builders (Private) Limited	18.3	1,161,820	-
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1,161,820	-
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 Company Secretary
 Bahria Town (Pvt) Ltd.

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Notes to the Financial Statements

For the year ended June 30, 2021

18.1 Escorts Investment Bank

This subordinated loan paid to subsidiary Company, Escorts Investment Bank Limited (EIBL) for meeting Minimum Equity Requirement (MER) was unsecured and receivable on demand after expiry of minimum tenure of 24 months upto January 30, 2020. It carried mark-up at the rate of 3-month KIBOR as on date of receipt of loan.

The maximum amount due as at the end of any month during the year was Rs. Nil (2020: Rs. 650 million).

The loan had been settled during their previous year against issuance of ordinary shares of EIBL as referred in the note 17.1

	Note	2021 (Rupees in thousands)	2020
18.2 Escorts Capital Limited			
Principal amount		200,000	189,128
Add: amortization of loan during the year	37	-	10,872
		<u>200,000</u>	<u>200,000</u>
Less: classified as short term	25	<u>200,000</u>	<u>200,000</u>
		<u>-</u>	<u>-</u>

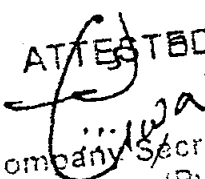
- 18.2.1 This represents unsecured and interest free sub-ordinate loan to subsidiary company Escorts Capital Limited provided on January 31, 2018. The loan amount was receivable in a single tranche after twenty four (24) months from the date of agreement, which period should have been automatically extended for an additional twenty four (24) months, in case repayment of the principal portion of loan would not be expressly demanded by the lender in writing. However, the loan has been classified as repayable on demand from February 01, 2020 onwards.

The maximum amount due as at the end of any month during the year was Rs. 200 million (2020: Rs. 200 million).

18.3 Receivable from NK Associates and Builders (Private) Limited

Original outstanding balance	18.3.1	3,000,000	-
Less: Effect of discounting	35	<u>468,975</u>	-
Present value of the receivable		2,531,025	-
Add: Unwinding of discount	37	<u>146,333</u>	-
Less: repayment during the year		<u>1,001,100</u>	-
		<u>1,676,258</u>	-
Less: Current portion of long term receivable shown under current assets	24	<u>514,438</u>	-
		<u>1,161,820</u>	-

- 18.3.1 This represents the amount receivable from NK Associates and Builders (Private) Limited against the sale of Grand Hotel.

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Bahria Town (Pvt) Ltd.

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Notes to the Financial Statements

For the year ended June 30, 2021

	Note	2021 (Rupees in thousands)	2020
19 Long term projects			
Bahria Icon project, Karachi	19.1	26,801,948	26,506,018
Mall of Islamabad, Islamabad	19.2	4,641,535	4,225,699
Bahria Opal 225, Karachi	19.3	2,787,516	2,779,911
Al-Rehmat Project, Lahore	19.4	7,124,112	6,957,951
Bahria Hoshang Pearl, Karachi	19.5	1,627,971	1,614,546
		<u>42,983,082</u>	<u>42,084,125</u>

19.1 The Company executed joint venture agreement with Galaxy Construction (Private) Limited to construct sixty two story complex "Bahria Icon Project, Karachi" (BIP - Karachi) consisting of offices and commercial facilities on plot owned and in possession of Galaxy Construction (Private) Limited. The scope and responsibilities of both parties are as follows:

- Galaxy Construction (Private) Limited is the owner of plot bearing Survey No. 05 and 06, Sheet No. CP/1-5 with additional land and alignment land, situated in the Clifton Quarters, Karachi measuring 17,336 square yards;

- The Company shall assume the responsibility to carry out all financial investments for successful completion, management and marketing of the project;

- The Company is entitled to first recover its investment from the surplus available in the project after meeting all the expenses and after completion of the project;

- Partners shall share the profit/(loss) determined after meeting all the expenses in the ratio of

19.2 The Company made investment of Rs.1.014 billion in purchase of land located at Plot No. 56 N situated in Sector F7/G7, Jinnah Avenue, Blue Area, Islamabad measuring 5120 square yards in the name of Vicky Trading (Private) Limited vide agreement executed between the parties for the purposes to construct thirty four story building namely "Mall of Islamabad" consisting of shopping mall, corporate offices and services apartments. The scope and responsibilities of each party are as follows;

- The Company shall have first lien and hold the physical possession of this plot;

- The Company shall be sole responsible to invest in the construction of mall and supervise the project till its completion whereas Vicky Trading (Private) Limited shall assume the responsibility of the marketing/sale of project against management fee equal to one percent of net profit after completion of the project.

19.3 The Company executed joint venture agreement with Zardari Group (Private) Limited to construct hotel, shops, residential flats and offices with the name and style "Bahria Opal 225, Karachi". The scope and responsibilities of both parties are as follows:

- Zardari Group (Private) Limited is the owner of plot bearing NO. 225, E-1 Lines, Karachi measuring 6,813.74 sq. yds. valuing Rs. 3.407 billion.

- The Company shall assume the responsibility to carry out all financial investments for successful completion, management and marketing of the project;

- The Company is entitled to first recover its investment from the surplus available in the project after meeting all the expenses and after completion of the project;

- Partners shall share the profit/(loss) determined after meeting all the expenses in the ratio of 50:50

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Bahria Town (Pvt) Ltd.

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Notes to the Financial Statements

For the year ended June 30, 2021

19.4 The Company executed joint venture agreement with Al-Rehmat Metal Works (Private) Limited (ARMW) for development of real estate project. The scope and responsibilities of both parties are as follows:

- ARMW is the sole owner in possession of land measuring 663 Kanals and 18.5 Marlas in Kot Lakhpat, Tehsil Cantt, Lahore.
- The parties agree that ARMW shall remain the owner of project land and the Company undertake to invest in the development work and exercise all other rights.
- Project master plan will be prepared by the Company in accordance with the applicable laws. ARMW shall apply for and obtain all necessary approvals and consent of the project master plan and other aspects of the project from concerned bodies/authorities/departments with the support and assistance of the Company.
- The project will be marketed and promoted by the Company under the name and style of "Al-Rehmat Project". All terms and conditions of sale, allotment, refund, cancellation, re-sale of the Project shall be such as may be prescribed by the Company.
- The cost of development and deployment of infrastructure for the project shall be part of the project cost and will be payable by ARMW to the Company.
- Parties further agrees that ARMW shall pay 5% of the gross proceeds of the project sale as marketing fee in Company's consideration of allowing use of its brand-name/intellectual property.

19.5 The Company executed joint venture agreement with Kingere Associates (Private) Limited to construct thirty four storey complex "Bahria Hoshang Pearl Project, Karachi" consisting of residential flats, offices and commercial facilities on plot owned and in possession of Kingere Associates (Private) Limited. The scope and responsibilities of both the parties are as follows:

- Kingere Associates (Private) Limited is the owner of plot bearing No. 22/4 CL-9, situated in the Civic Line Quarters, Karachi measuring 3121 square yards.
- The Company shall assume the responsibility to carry out all financial investments for successful completion of the project, project management and marketing of the project.
- The Company is entitled to first recover its investment from the surplus available in the project after meeting all the expenses and after completion of the project; and
- The Company and Kingere Associates (Private) Limited shall share the profit/(loss) determined after meeting all the expenses in the ratio of 90:10 respectively.

	Note	2021 (Rupees in thousands)	2020
20 Long term security deposits			
Long term security deposits			
- to electricity supply companies	20.1	130,798	130,798
- to Rawalpindi Development Authority (RDA)	20.2	100,000	100,000
		<u>230,798</u>	<u>230,798</u>

20.1 This represents the security deposited for electricity connections as bulk supplier with Lahore Electric Supply Company (LESCO), Islamabad Electric Supply Company (IESCO) and K-Electric.

20.2 This represents security deposits paid to Rawalpindi Development Authority (RDA) for approval of lay out plan.

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Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

	Note	2021 (Rupees in thousands)	2020
21 Long term certificates of deposit			
Certificate of deposits	21.1	-	10,000
		-	10,000

21.1 These have been availed for a term of 3 years commencing from 15 May 2019. These certificates of deposits have been issued by subsidiary company "Escorts Investment Bank Limited (EIBL)" under profit and loss sharing scheme under which profit or loss will be calculated by the consultant of EIBL payable annually. The same has been settled during the year.

22 Deferred tax asset-net

Opening balance	3,040,564	154,514
Movement during the year	685,621	2,886,050
Closing balance	3,726,185	3,040,564

22.1 The balance of deferred tax is in respect of the following major temporary differences:

Taxable temporary difference

Property, plant and equipment	(598,941)	(666,133)
Investment property	(713,895)	(794,962)

Deductible temporary differences

Long term investment	28,624	50,751
Loan and advances	58,000	58,000
Unused tax credits	2,055,546	1,351,637
Unabsorbed tax losses	2,896,851	3,041,271
	3,726,185	3,040,564

22.2 Minimum tax credits amounting Rs. 790,700,608/-, Rs. 229,226,563/-, Rs. 331,709,922/- and Rs. 703,908,804/- shall expire in tax year 2023, 2024, 2025 and 2026. Unused tax losses amounting Rs. 2,627,882,813/-, Rs. 6,843,292,331/- and Rs. 517,967,017/- shall expire in tax year 2024, 2026 and 2027.

22.3 There is no change in the corporate income tax rate for the year 2021. So, deferred tax assets and liabilities on temporary differences are measured at 29%.

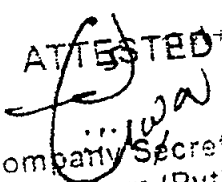
23 Inventories

Bahria Town Projects Development Costs

Land cost	23.1	272,305,643	406,423,954
Development cost	23.2	99,393,158	86,303,800
Total project development cost incurred to date	A	371,698,801	492,727,754

Bahria Town Tower, Karachi - Project Development Costs

Land cost	23.3	209,000	209,000
Development cost		1,067,000	1,903,515
Total project development cost incurred to date	B	1,276,000	2,112,515
		372,974,801	494,840,269

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Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

	Note	2021 (Rupees in thousands)	2020
23.1 Land cost			
Projects land	23.1.1	271,618,340	405,736,651
Land of Lake View Motel	23.1.2	687,303	687,303
		<u>272,305,643</u>	<u>406,423,954</u>
23.1.1 Projects land			
Opening balance		405,736,651	361,263,008
Add: addition during the year		12,206,656	52,176,679
Less: adjustment during the year	7	140,170,679	-
		<u>277,772,628</u>	<u>413,439,687</u>
Less: charged to the statement of profit or loss	32	<u>6,154,288</u>	<u>7,703,036</u>
		<u>271,618,340</u>	<u>405,736,651</u>

23.1.2 The Company purchased the Motel located at Plot No. 3, Club Road, Islamabad consisting land area of 18 Kanal. The building of the Motel has been demolished.

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Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited**Notes to the Financial Statements**

For the year ended June 30, 2021

23.1.3 This also includes land held in the name of following individuals/parties:

Sr. No.	Party Name	Land			Cost of acquisition (Rupees in thousands)	Locality
		Kanal	Marla	Sq. ft		
1	Vicky Trading (Private) Limited	7,299	6	137	4,684,910	Rawalpindi/Lahore
2	Guide Trading (Private) Limited	6,240	4	97	4,481,026	Rawalpindi/Lahore
3	Waqas Riffat	39,003	6	120	10,709,208	Different Cities
4	Waseem Riffat	2,473	-	32	274,444	Karachi
5	Muhammadi Awais	2,819	8	33	272,638	Karachi
6	Shahid Mehmood	13,533	17	18	2,004,324	Karachi
7	Faisal Sarwar	10,308	17	148	1,509,122	Karachi
8	Imran Ali Haq	2,308	15	90	4,262,882	Lahore
9	Rafi Properties (Private) Limited	54	3	-	43,620	Lahore
10	Azam Bhatti	38	3	-	49,577	Lahore
11	Kingerete Associates (Private) Limited	105	-	-	514,500	Lahore
12	Azam Bhatti	894	18	23	448,950	Different Cities
13	Azam Bhatti	20	12	195	49,267	Lahore
14	Azam Bhatti	3,110	13	-	200,897	Rawalpindi
15	Defence Housing Authority (DHA)	1,280	11	35	599,141	Rawalpindi
16	Lifestyle Development (SMC-Private) Limited	674	-	118	1,723,800	Peshawar
		811	1	-	1,316,302	Sheikhupura
		2,312	11	186	1,071,438	Rawalpindi
17	Azam Bhatti	342	-	3	95,236	
18	Waqas Riffat	2,730	18	3	1,144,860	
19	Imran Haq Khan	2,638	-	2	623,022	
20	Muhammad Azam Bhatti	196	13	-	130,000	
21	Shahid Mehmood	72	18	-	7,300	
22	Guide Trading (Private) Limited	3,639	-	7	580,728	
23	Vicky Trading (Private) Limited	222	12	-	70,500	
24	Azam Bhatti	472	6	-	56,676	
25	Azam Bhatti	101	8	-	12,168	Lahore
26	Azam Bhatti	324	4	-	43,038	
27	Tricon Developers	205	9	-	19,687	
28	Rafi Properties (Private) Limited	16	19	-	10,600	
29	Azam Bhatti	318	-	-	75,230	
30	Kingerete Farm House	160	4	-	16,020	
31	Kingerete Associates (Private) Limited	6,705	14	2	569,870	
32	Guide Trading (Private) Limited	450	6	8	497,932	Multan
33	Azam Bhatti	93	7	-	3,575	
34	Azam Bhatti	189	-	-	10,400	Faisalabad
35	Azam Bhatti	73	13	-	2,714	
36	Azam Bhatti	193	-	-	7,136	
37	Muhammad Awais	13,840	8	1	1,000,000	Nawabshah
38	Awais Builders	118	-	-	6,766	Jabba Daoud Zai
39	Gul Zareen	96	-	-	7,330	KPK
40	Guide Trading (Private) Limited	33	-	-	2,114	Chak Nisara KPK
41	Gul Zareen	21	-	-	2,532	

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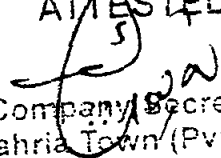
Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited**Notes to the Financial Statements**

For the year ended June 30, 2021

Sr. No.	Party Name	Land			Cost of acquisition (Rupees in thousands)	Locality
		Kanal	Marla	Sq. ft		
12	Azam Bhatti	190	-	-	5,764	Moughalki Nowshera, KPK
43	Shabab Azhar	2	-	-	1,788	
44	Muhammad Ashfaq	1	-	-	3,976	
15	Azam Bhatti	487	-	-	9,814	Papeen, Rawalpindi
46	Waqas Riffat	4	-	-	164,871	Islamabad
47	Lt. Col. (R) Akhtar Saeed	9	-	-	21,900	
48	Muhammad Iqbal	395	-	-	31,632	
49	Waqas Riffat	1,033	18	4	316,244	
50	Bostan (Private) Limited	305	-	66	335,069	
51	Azam Bhatti	36	16	-	8,302	
52	Maj Amir	311	5	20	20,791	
53	Fazal-e-Inam	2	4	3	399	
54	Muhammad Awais	706	19	40	90,392	
55	Sarfraz Ahmed Khan	20	14	-	1,838	
56	Maira Itikhar	174	17	43	64,633	
57	Guide Trading (Private) Limited	315	18	17	104,890	
58	Hasan Nawaz	1	13	-	1,560	
59	Hussain Bakhsh	54	1	-	4,624	
60	Najeeb Haroon	4	18	-	356	
61	Shahid Mehmood	334	18	7	27,316	
62	Sheikh Ali Rehman	370	-	51	72,119	
63	Usman Nawaz Khokhar	137	7	15	60,731	
64	Suleman Ahmad	15	12	-	1,368	
65	Shahab Hassan Khan	1	10	-	134	
66	Bostan	136	-	-	257,804	
67	Usman Nawaz Khokhar	9	-	-	18,133	Enclave, Islamabad
68	Hussain Global (Private) Limited	6,481	-	-	143,121	Murree (Golf City), Islamabad & Abbottabad
69	Azam Bhatti	660	-	-	86,579	
70	Azam Bhatti	451	-	-	24,710	
71	Guide Trading (Private) Limited	182	-	-	109,100	
72	King Crete Associate	625	-	-	316,456	
73	Ahsan Hashmi	100	-	-	24,200	
74	Faisal Server	102	-	-	8,899	
75	Muhammad Ilyas	169	-	-	74,692	
76	Shahab Hussain	7	-	-	715	
77	Sulman Ahmed	9	-	-	29,017	Various Mouzas of ISB / RWP
78	Vicky Trading (Private) Limited	195	-	-	60,668	
79	Waqas Riffat	201	-	-	42,953	
80	Azam Bhatti	11	-	-	6,321	
81	Zubaida Begum	19	-	-	604	Bahawalpur Agochs Society Islamabad
82	Azam Bhatti	400	-	-	5,750	
83	Waqas Riffat	128	-	-	147,665	
84	Ghulam Mustafa	152	-	-	239,560	
Total		141,519	495	1,524	42,158,938	

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 Company Secretary
 Bahria Town (Pvt) Ltd.

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Notes to the Financial Statements

For the year ended June 30, 2021

	Note	2021 (Rupees in thousands)	2020
23.2 Development cost			
Opening balance		86,303,800	51,165,516
Addition during the year		37,593,917	42,836,934
		<u>123,897,717</u>	<u>94,002,450</u>
Less: charged to the statement of profit or loss	32	24,504,559	7,698,650
		<u>99,393,158</u>	<u>86,303,800</u>

23.3 This represents cost of Plot No. 172-C & 173-D, Block 2, PECHS, Main Tariq Road, Karachi measuring 2400 sq. yds. purchased for the construction of twenty four storey complex consisting of shopping mall, corporate offices, serviced apartments namely "Bahria Town Tower Karachi". This plot is in the name of Muhammad Awais S/o Abdul Rahim, one of the employee of the Company, that shall be transferred in the name of the company in due course of time.

24 Trade and other receivables

Considered good

Receivable from customers	24.1	-	585,904
Receivable from Lahore Ring Road Authority	24.2	1,891,088	1,891,088
Current portion of long term receivable from NK Associates and Builders (Private) Limited	18.3	514,438	-
		<u>2,405,526</u>	<u>2,476,992</u>

24.1 This represented the amount receivable from customers against the sale of plots/villas.

24.2 This represents the amount incurred at cost by Bahria Town (Private) Limited which is receivable from Lahore Ring Road Authority, Lahore against compensation of 1,434 Kanal and 14 Marlas land acquired by Authority under Land Acquisition Act, 1894 for the construction of Lahore Ring Road Project Southern Loop (SI-III) (Phase II).

25 Loan and advances

Unsecured and considered good

This represents the advances to/against:

Purchase of land	25.1	127,796,667	86,128,362
Suppliers and contractors		14,302,149	15,094,147
Staff against expenses		863,241	805,813
Letter of credit		13,732	-
Escorts Capital Limited	25.2	-	-
Staff against salary		43,291	42,038
Due from director	25.3	-	31,150
Other receivables		3,514,675	4,421,564
		<u>146,533,755</u>	<u>106,523,074</u>

25.1 Advances against purchase of land

Paradise Real Estate (Private) Limited	28,562,968	24,767,468
Rafi Properties (Private) Limited	30,318,287	22,726,043
Others	68,915,412	38,634,851
	<u>127,796,667</u>	<u>86,128,362</u>

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Notes to the Financial Statements

For the year ended June 30, 2021

2021
Note (Rupees in thousands) 2020

- The maximum amount due as at the end of any month during the year was as follows:

Paradise Real Estate (Private) Limited	29,951,407	34,443,474
Rafi Properties (Private) Limited	38,283,331	32,832,260

25.2 Escorts Capital Limited

Current portion of loan	200,000	200,000
Less: provision for doubtful debt	25.2.1 200,000	200,000
	-	-

25.2.1 Provision for doubtful debt

Opening balance	200,000	-
Provision made during the year	36 -	200,000
Closing balance	200,000	200,000

Due to the reasons as referred in note 17.2, the management of the Company has reassessed the recoverable amount of the loan as at reporting date and considered it doubtful. Consequently, provision for doubtful debt is recognised.

25.3 This represented the net running account of the director - Malik Riaz Hussain of the Company. This is interest free and is repayable on demand.

- The maximum amount due as at the end of any month during the year was Rs. 31,149,741/- (2020: 31,149,741/-).

26 Deposits and prepayments

Deposits

Security deposits	171,658	140,256
LG margin	123,987	58,281
	295,645	198,537

Prepayments

Rent	12,374	3,249
Insurance	-	6,004
	12,374	9,253
	308,019	207,790

27 Due from related parties

Paradise Amusement & Entertainment (Private) Limited	1,267,457	1,329,236
Kingerete Associates (Private) Limited	622,285	603,723
Classic Entertainment (Private) Limited	603,226	580,370
SAN Media (Private) Limited	1,068,057	869,097
Begum Akhtar Rukhsana Memorial Welfare Trust	2,935,249	3,116,826
Parklane Hotels and Resorts (Private) Limited	35,292	14,215
Southern Networks Limited	191,217	183,008
Asia News Network	251,358	249,128
White Water Hospitality (Private) Limited	-	20,266
Escorts Capital Limited	15,366	-
	6,989,507	6,965,869

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Notes to the Financial Statements

For the year ended June 30, 2021

- 27.1 The maximum aggregate amount outstanding at any time during the year calculated by reference to month end balances of related parties is as:

Name of Related party	2021	2020
-----------------------	------	------

..... (Rupees in thousands).....

Paradise Amusement & Entertainment (Private) Limited	1,267,457	1,329,236
Kingcrete Associates (Private) Limited	622,285	906,891
Classic Entertainment (Private) Limited	603,226	580,370
SAN Media (Private) Limited	860,855	869,097
Begum Akhtar Rukhsana Memorial Welfare Trust	2,324,131	7,463,579
Parklane Hotels & Resorts (Private) Limited	111,855	286,224
Southern Networks Limited	101,400	193,737
Asia News Network (ANN) (Private) Limited	251,358	249,128
White Water Hospitality (Private) Limited	20,266	20,266
Escort Capital Limited	15,366	-

- 27.2 These represent amount receivable from related parties against expenses incurred by the Company on behalf of these parties. The entire amount is interest free and is repayable on demand.

Note 2021 2020
..... (Rupees in thousands)

28 Advance tax due from Government

Advance tax due from Government		724,876	347,969
Less: provision for taxation	39	703,909	331,710
		<u>20,967</u>	<u>16,259</u>

29 Short term investments

Term deposit receipts - TDRs		<u>1,660,000</u>	<u>-</u>
------------------------------	--	------------------	----------

- 29.1 This include investments in local currency TDRs amounting to Rs. 1,160,000,000/-. These investments are due to mature within a month. The TDRs carry mark up as per declared monthly rates per month payable in arrears.

- 29.2 As stated in note 14.2.2, local currency TDRs amounting to Rs. 500,000,000/- held as margin against guarantee issued by the United Bank Limited in favour of Peshawar Development Authority (PDA) for Market Survey. These are to mature within next 12 months. These TDRs carry mark up as per declared monthly rates per month payable in arrears.

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Bahria Town (Pvt) Ltd.

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Notes to the Financial Statements

For the year ended June 30, 2021

	Note	2021 (Rupees in thousands)	2020
30 Cash and bank balances			
Cash in hand		6,670	14,778
Cash deposit receipts/pay order in hand		-	214,705
Cash at banks			
Current accounts			
- Pak Rupee		3,565,554	7,256,823
- Foreign Currency			
Euro C		14,069	13,843
US \$		67,384	11,207
UK £		16,748	8,891
		98,201	33,941
PLS accounts			
- Pak rupee		1,164,537	1,100,540
		<u>4,834,962</u>	<u>8,620,787</u>
30.1	The PLS account carries interest @ ranging from 2.75 % to 5.5% per annum (2020: 4.2% to 5.3% p.a).		
30.2	This includes Rs. 1,000,000,000/- which is under lien as explained in note 11.1.		
30.3	Cash and cash equivalents included in the statement of cash flows comprise the following:		
Cash and bank balances		<u>4,834,962</u>	<u>8,620,787</u>
31 Sales			
Revenue from real estate	31.1	36,094,340	12,365,449
Revenue from sale of electricity	31.2	6,057,274	5,092,726
		<u>42,151,614</u>	<u>17,458,175</u>
31.1 Revenue from real estate			
Gross revenue		36,130,348	12,406,102
Less: sales tax on services		36,008	40,653
		<u>36,094,340</u>	<u>12,365,449</u>
31.2 Revenue from sale of electricity			
Gross revenue		7,061,524	5,958,489
Less: general sales tax (GST)		1,004,250	865,763
		<u>6,057,274</u>	<u>5,092,726</u>
32 Cost of sales			
Land cost	23.1.1	6,154,288	7,703,036
Cost of development	23.2	24,504,559	7,698,650
Cost of sale of electricity		9,127,120	7,253,316
Depreciation	15.1.1	817,535	946,241
		<u>40,603,502</u>	<u>23,601,246</u>

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Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

	Note	2021 (Rupees in thousands)	2020
33 General and administrative expenses			
Staff salaries and benefits		2,579,293	2,214,265
Aeroplane/helicopter lease rentals/operating expenses		385,785	639,213
Donations	33.1	658,324	173,166
Legal and professional charges		226,721	488,824
Directors' remuneration		132,000	132,000
Vehicle running and maintenance		204,515	199,573
Travelling and conveyance		39,687	60,295
Electricity, gas and water		60,262	58,332
Printing and stationery		20,516	22,918
Telephone and internet		69,051	70,000
Rent, rates and taxes		45,736	31,942
Entertainment		34,874	30,464
Repair and maintenance		35,110	35,296
Miscellaneous		17,551	17,754
Postage and courier		14,609	14,255
Auditor's remuneration	33.2	20,000	9,000
Impairment loss on property, plant and equipment		10,747	-
Insurance		7,406	4,659
News paper and periodicals		467	426
Depreciation on property, plant and equipment	15.1.1	690,893	729,909
Depreciation on investment property	16.2	1,189,972	1,316,995
		<u>6,443,519</u>	<u>6,249,286</u>

33.1 Donations

Donations are being paid to Begum Akhtar Rukhsana Memorial Welfare Trust, Safari Villas High Court Road, Chaklala Scheme III, Car Chowk Rawalpindi. The Trust is registered by the sub-Registrar, Rawalpindi having registration No. 1586. The director of the Company Malik Riaz Hussain is also Trustee of the Begum Akhtar Rukhsana Memorial Welfare Trust.

33.2 Auditor's remuneration

Audit fee	20,000	9,000
Out of pocket expense	-	-
	<u>20,000</u>	<u>9,000</u>
Non-audit services	-	-
	<u>20,000</u>	<u>9,000</u>

34 Selling and distribution expenses

Advertisement	128,731	116,671
Commission	516,520	316,025
	<u>645,251</u>	<u>432,696</u>

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[Signature]
Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

	Note	2021 (Rupees in thousands)	2020
35 Finance cost			
Interest on bank short term running finance		45,305	53,261
Bank charges		9,791	6,672
Amortization - Present value adjustment	18.3	468,975	-
		<u>524,071</u>	<u>59,933</u>
36 Other charges			
Exchange loss		6,713	65,680
Provision for impairment on investment	17.2.1	-	175,004
Provision for doubtful debt	25.2.1	-	200,000
		<u>6,713</u>	<u>440,684</u>
37 Other income			
From non-financial asset			
Record maintenance/ transfer facilitation charges		1,822,975	1,102,731
Design fee		254,139	234,630
Rental income		627,402	308,819
Deduction from customers		19,967	63,174
Miscellaneous		11,410	10,924
Maintenance charges		25,972	23,965
Insurance claim		18,407	-
Interest income on un-winding	18.3	146,333	-
Gain on sale of property, plant and equipment		754,104	2,563
Facilitation charges	37.1	60,000	120,000
From financial assets			
Interest on deposits with subsidiary companies	37.2	1,492,206	2,724,204
Interest on pls account		170,128	53,941
Amortization of long term loan	18.2	-	10,872
		<u>5,403,043</u>	<u>4,655,819</u>

37.1 This following represents facilitation charges received from associated Companies. The break up is as follows:

Paradise Real Estate (Private) Limited	30,000	30,000
Rafi Properties (Private) Limited	30,000	30,000
Vicky Trading (Private) Limited	-	30,000
Guide Trading (Private) Limited	-	30,000
	<u>60,000</u>	<u>120,000</u>

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Company Secretary
Bahria Town (Pvt) Ltd.

37.2 This includes share of interest earned on TDRs' and bank balance, credited by associated companies at the rate mentioned against each company. These funds were deposited by the companies out of the unutilized funds received against purchase of land. The break up of interest accrued is as follows:

Paradise Real Estate (Private) Limited (45%)	701,909	1,438,543
Rafi Properties (Private) Limited (45%)	790,297	1,285,662
	<u>1,492,206</u>	<u>2,724,205</u>

Bahria Town (Private) Limited

Notes to the Financial Statements

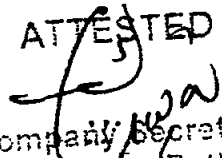
For the year ended June 30, 2021

38 Loss from Joint Venture Projects

This represents loss incurred in DBH joint venture project (refer note 12.2.1).

	Note	2021 (Rupees in thousands)	2020
39 Taxation			
Current year			
- Minimum tax on turnover	28	703,909	331,710
- Deferred tax	22.1		
Due to effect of rate change		-	-
Due to temporary differences		(685,621)	(2,886,050)
Prior year		5,500	-
		<u>23,788</u>	<u>(2,554,340)</u>

- 39.1 Reconciliation of tax expense and product of accounting profit multiplied by the applicable tax rate and numerical reconciliation between the average tax rate and the applicable tax rate is not provided due to the applicability of minimum turnover tax.

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Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

40 Financial instruments by category

Description	Note	2021			2020		
		Amortized Cost	FVTPL	Total	Amortized Cost	FVTPL	Total
		(Rupees in thousands)			(Rupees in thousands)		
Financial assets							
Maturity up to one year							
Non mark-up bearing							
Trade and other receivables	24	2,405,525	-	2,405,525	2,476,992	-	2,476,992
Loan and advances	25	3,557,966	-	3,557,966	4,494,752	-	4,494,752
Deposits	26	295,644	-	295,644	198,537	-	198,537
Due from related parties	27	6,989,505	-	6,989,505	6,965,869	-	6,965,869
Long term loans balances	30	3,670,426	-	3,670,426	7,520,247	-	7,520,247
Mark-up bearing							
Long and bank balances	30	1,164,537	-	1,164,537	1,109,540	-	1,109,540
Short term investments	29	1,660,000	-	1,660,000	-	-	-
Maturity after more than one year							
Non mark-up bearing							
Long term investments	17	1,022,340	-	1,022,340	1,022,340	-	1,022,340
Long term security deposits	20	230,798	-	230,798	230,798	-	230,798
Mark-up bearing							
Long term certificate of deposits	21	-	-	-	10,000	-	10,000
		20,996,741	-	20,996,741	24,020,075	-	24,020,075

Description	Note	2021			2020		
		Amortized Cost	FVTPL	Total	Amortized Cost	FVTPL	Total
	(Rupees in thousands).....		(Rupees in thousands).....		
Financial Liabilities							
Recognized							
Maturity up to one year							
Non mark-up bearing							
Payable against land	9	-	-	-	27,468,585	-	27,468,585
Advance from customers	10	312,980,398	-	312,980,398	241,433,266	-	241,433,266
Trade and other payables	12	28,393,443	-	28,393,443	60,313,983	-	60,313,983
Mark-up accrued	13	2,777	-	2,777	4,590	-	4,590
Mark-up bearing							
Short term borrowings	11	950,000	-	950,000	750,000	-	750,000
Maturity after more than one year							
Non mark-up bearing							
Advance from customers	7	189,259,415	-	189,259,415	173,607,410	-	173,607,410
Payable against land	6	267,138,679	-	267,138,679	380,000,000	-	380,000,000
Long term security deposits	8	269,912	-	269,912	266,681	-	266,681
		798,994,624	-	798,994,624	883,844,515	-	883,844,515

Effective interest rates

Financial liabilities

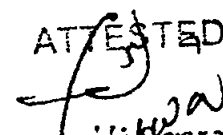
Short term financing

2021

2020

Deposit rate (5%)
plus 0.75 percent

Deposit rate (5%)
plus 0.75 percent

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Bahria Town (Pvt) Ltd.

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Notes to the Financial Statements

For the year ended June 30, 2021

41 Financial instruments and related disclosures

41.1 Financial risk management objective

The Company's activities expose it to certain financial risks. Such financial risks emanate from various factors that include, but not limited to, market risk, credit risk and liquidity risk. The Board of Directors has overall responsibility for the establishment and oversight of the Company's risk management framework. The Board is responsible for developing and monitoring the Company's risk management policies. Risks measured and managed by the Company are explained below:

41.2 Market risk

Market risk is the risk that the fair value of future cash flows of the financial instrument will fluctuate due to changes in market variables such as interest rate and foreign exchange rates.

i) Currency risk

Foreign currency risk is the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in foreign exchange rates. The Company does not have any foreign currency assets or liabilities except foreign currency bank accounts having closing balance of Rs. 98,201,090/- (2020: 33,941,450/-) as at reporting date.

The Company is mainly exposed to US dollar, Euro and UK Pound. As at June 30, 2021, had Pakistan rupee weakened/ strengthened by 1% against US dollar, Euro or UK Pound with all other variables held constant, loss (2020: loss) before taxation for the year would have been lower (2020: lower) by Rs. 982,011/- (2020: Rs. 339,415/-).

ii) Other price risk

Other price risk is the risk that the fair value or future cash flows from a financial instrument will fluctuate due to changes in market prices (other than those arising from interest rate risk or currency risk), whether those changes are caused by factors specific to the individual financial instrument or its issuer, or factors affecting all similar financial instruments traded in the market. The Company is not exposed to this risk.

ii) Interest rate risk

Interest / mark-up rate risk arises from the possibility that changes in interest / mark-up rates will affect the value of financial instruments. At the reporting date the interest rate profile of the Company's interest-bearing financial instruments are:

		2021	2020
	Note	(Rupees in thousands)	
Fixed rate instruments			
Financial assets			
Financial liabilities			
Variable rate instruments			
Financial assets			
Long term certificate of deposits	21	-	10,000
Cash and bank balances	30	1,164,537	1,100,540
Financial liabilities			
Short term borrowings	11	950,000	750,000
Mark-up accrued	13	2,777	4,590

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Notes to the Financial Statements

For the year ended June 30, 2021

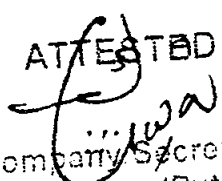
If interest rate had been 1% higher / lower with all other variables held constant, loss / profit before taxation for the year would have been higher / lower by Rs. 2,117,605/- (June 30, 2020: Rs. 3,559,506/-).

41.3 Credit risk

Credit risk represents the accounting loss that would be recognised at the reporting date if counter parties fail to perform as contracted. The carrying amounts of financial assets represent the maximum credit exposure.

- The maximum exposure to credit risk at the reporting date is as follows:

	Note	2021 (Rupees in thousands)	2020
Maturity upto one year			
<i>Non-mark bearing</i>			
Trade and other receivables	24	2,405,525	2,476,992
Loan and advances	25	3,557,966	4,494,752
Deposits	26	295,644	198,537
Due from related parties	27	6,989,505	6,965,869
Cash and bank balances	30	3,670,426	7,520,247
<i>Non-mark bearing</i>			
Cash and bank balances	30	1,164,537	1,100,540
Maturity upto more than one year			
<i>Non-mark bearing</i>			
Long term investments	17	1,022,340	1,022,340
Long term security deposits	20	230,798	230,798
<i>Non-mark bearing</i>			
Long term certificate of deposits	21	-	10,000
		<u>19,336,741</u>	<u>24,020,075</u>

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For the year ended June 30, 2021

2021
Note (Rupees in thousands) 2020

- The bank balances along with credit ratings are tabulated below:

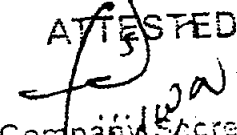
Credit rating			
Long term	Short term		
AAA	A-1+	439,976	259,295
AAA	A-1+	1,374,945	3,450,015
AAA	A-1+	78,462	66,694
AA+	A-1+	587,748	1,787,835
AAA	A-1+	36,614	174,054
AAA	A-1+	4,340	19,452
AAA	A-1+	1,951,488	1,870,221
AAA	A-1+	28,786	212,862
AA	A-1+	13,431	55,061
AA+	A-1+	9,916	53,378
A+	A-1	55,977	52,701
AA+	A-1+	20,309	736
AA+	A-1+	1,792	5,653
A	A-1	159,130	187,725
A-	A-2	2,247	45,454
AA	A-1	-	90
A+	A-1	1,096	107,307
AA-	A-1+	15,136	5,450
BBB-	A-3	42,460	42,460
AA-	A-1+	4,440	24,860
		<u>4,828,293</u>	<u>8,391,303</u>

- The age analysis of loan and advances, deposits and other receivables at reporting date is as follows:

Less than 30 days	1,951,105	1,255,011
30-60 days	3,946,891	2,502,645
61-180 days	7,119,298	3,850,634
181-365 days	23,383,467	14,665,873
Above 365 days	112,538,520	86,725,903
	<u>148,939,281</u>	<u>109,000,066</u>

Concentration of credit risk

Concentration of credit risk exists when changes in economic and industry factors similarly affect the group of counter parties whose aggregated credit exposure is significant in relation to the Company's total credit exposure. The Company's financial assets are broadly diversified and transactions are entered into with diverse credit worthy parties thereby mitigating any significant concentration risk. Therefore, the Company believes that it is not exposed to major concentration of credit risk.

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Notes to the Financial Statements

For the year ended June 30, 2021

41.4 Liquidity risk

Liquidity risk is the risk that an enterprise will encounter difficulties in raising funds to meet commitments associated with financial instruments. The management believes that it is not exposed to any significant level of liquidity risk. The management manages the liquidity of the Company on basis of expected cash flow considering the level of liquid assets necessary to meet such risk.

Financial liabilities in accordance with their contractual maturities are presented below:

		Maturity upto one year	Maturity after one year	Total
	 (Rupees in thousands)		
	Note	June 30, 2021		
Payable against land	7	-	267,138,679	267,138,679
Advance from customers	6	312,980,398	189,259,415	502,239,813
Trade and other payables	12	28,393,443	-	28,393,443
Short term borrowings	11	950,000	-	950,000
Mark-up accrued	13	2,777	-	2,777
Long term security deposits	8	-	269,912	269,912
		342,326,618	456,668,006	798,994,624

		Maturity upto one year	Maturity after one year	Maturity after one year
	 (Rupees in thousands)		
		June 30, 2020		
Payable against land	7	27,468,685	380,000,000	407,468,685
Advance from customers	6	241,433,266	173,607,410	415,040,676
Trade and other payables	12	60,320,077	-	60,320,077
Short term borrowings	11	750,000	-	750,000
Mark-up accrued	13	4,590	-	4,590
Long term security deposits	8	-	266,681	266,681
		329,976,618	553,874,091	883,850,709

The Company will manage the liquidity risk through its own source through working capital management.

41.5 Fair value of financial instruments

Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date (i.e. an exit price).

The Company classifies the financial instruments measured in the balance sheet at fair value in accordance with the following fair value measurement hierarchy:

Financial assets and financial liabilities measured at fair value in the statement of financial position are grouped into three levels of a fair value hierarchy. The three levels are defined based on the observability of significant inputs to the measurement, as follows:

- Quoted prices (unadjusted) in active markets for identical assets or liabilities (level 1).
- Inputs other than quoted prices included within level 1 that are observable for the asset or liability, either directly (that is, as prices) or indirectly (that is, derived from prices) (level 2).

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

iii) Inputs for the asset or liability that are not based on observable market data (that is, unobservable inputs) (level 3).

The Company recognizes transfers between levels of the fair value hierarchy at the end of the reporting period during which the transfer has occurred.

The Company did not held any instruments which could be included in Level 1, Level 2 and Level 3 as on June 30, 2021 (2020: Nil).

The carrying values of all financial assets and liabilities reflected in the financial statements approximate their fair values. Fair value is determined on the basis of objective evidence at each reporting date.

42 Capital risk management

Company's prime objective when managing capital is to safeguard its ability to continue as a going concern in order to provide adequate returns for the shareholders and benefits for other stakeholders and to maintain an optimal capital structure.

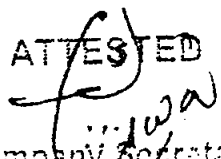
Company manages its capital structure which comprises capital and reserves by monitoring return on net assets and make adjustments to it in the light of changes in economic conditions. In order to maintain or adjust the capital structure, the Company may adjust the amount of dividend paid to shareholders and/ or issue new shares. There were no changes to Company's approach to capital management during the year.

The debt to equity ratio is as follows:

		2021	2020
	Note (Rupees in thousands)	
Total borrowings	11	950,000	750,000
Less: cash and cash equivalents	30	4,834,962	8,620,787
Net debt		(3,884,962)	(7,870,787)
Total equity		(173,197,797)	(172,232,812)
Total capital		(177,082,759)	(180,103,599)
Net debt to equity ratio		-	-

43 Related parties transactions

The related parties comprise of associated undertakings, directors and key management personnel. The Company in the normal course of business carries out transactions with various related parties. Amounts due from and to related parties are shown under relevant notes to the financial statements. Remuneration to key management personnel has been paid during the year are disclosed in note 44. Other significant transactions with related parties are as under:

ATTESTED

Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited**Notes to the Financial Statements**

For the year ended June 30, 2021

Name	Relationship	Transaction during the year	2021	2020
..... (Rupees in thousands)				
Escorts Investment Bank Limited	- Subsidiary: - Percentage shareholding: 87.96% (2020: 87.96%)	- Security deposits - Settlement of accrued interest against right issue of shares - Settlement of long term loan against right issue of shares - Settlement of short term loan against right issue of shares - Investment made - Proceeds from sale of vehicles - Receipts against utilities expenses incurred on behalf of Escorts Investment Bank - Purchase of fixed assets at fair value - Receipt against vehicle sold - Payment received on account of trade and other payable - Certificate of deposit matured	10,000 - - - - - - 3,580 4,617 12,479 1,086 10,300	15,000 30,543 650,000 176,000 856,543 12,479 3,559 - - - -
Escorts Capital Limited	- Subsidiary: - Percentage shareholding: 100% (2020: 100%)	- Amortization of loan - Advance received - Provision against impairment of - Provision for doubtful debt - Advance repaid - Advance extended	- 91 - - - 27,141 15,366	10,872 27,050 175,004 200,000 - - -

ATTESTED
[Signature]
 Company Secretary
 Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

Name	Relationship	Transaction during the year	2021	2020
..... (Rupees in thousands)				
DBH Joint Venture Project	- Joint Venture; - Percentage shareholding: 40 % (2020: 40%)	- Advance extended - Advance received back - Loss during the year	4,465,573 206 272,798	1,536,255 39,000 385,154
Vicky Trading (Private) Limited	- Subsidiary: - Percentage shareholding: 100% (2020: 100%)	- Advance extended - Advance received back - Facilitation income	10,726,171 10,685,500 -	964,918 653,300 30,000
Guide Trading (Private) Limited	- Subsidiary: - Percentage shareholding: 100% (2020: 100%)	- Donation paid on behalf of Guide Trading (Private) Limited - Rental income - Loan paid back	52,438 - 600	200,000 30,000 -
Galaxy Construction (Private) Limited	- Joint Venture: - Percentage shareholding: 50% (2020: 50%)	- Investment made	295,930	2,117,548
Mall of Islamabad	- Joint Venture	- Investment made	415,836	13,113
Bahria Opal 225	- Joint Venture	- Investment made	7,605	8,175
Al-Rehmat Project	- Joint Venture	- Investment made	166,161	80,365
Bahria Hoshang	- Joint Venture	- Investment made	13,425	(72,510)
Rafi Properties (Private) Limited	- Subsidiary: - Percentage shareholding: 100% (2020: 100%)	- Advance extended - Advance received back - Interest income earned - Facilitation income	10,664,712 3,832,764 790,297 30,000	7,230,000 18,120,786 1,285,662 -

ATTESTED
Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

Name	Relationship	Transaction during the year	2021	2020
..... (Rupees in thousands)				
Paradise Real Estate (Private) Limited	- Subsidiary; - Percentage shareholding: 100% (2020: 100%)	- Advance extended - Advance received back - Interest income earned - Facilitation income	29,196,099 26,102,509 701,909 30,000	26,726,973 39,504,653 1,438,543 -
Paradise Amusement & Entertainment (Private) Limited	- Relatives are directors	- Payment made on behalf of the Company - Advance received back	15,183 76,963	31,321 4,170
Kingerete Associates (Private) Limited	- Relatives are directors	- Payment made on behalf of the Company - Advance received back	18,562 -	76,009 227,945
Classic Entertainment (Private) Limited	- Subsidiary; - Percentage shareholding: 100% (2020: 100%)	- Payment made on behalf of the Company	22,856	165,126
SAN Media (Private) Limited	- Relatives are directors	- Advance extended - Advance received back	227,459 28,500	869,097 -
Begum Akhtar Rukhsana Memorial Welfare Trust	- Director is trustee	- Advance extended - Advance received back - Donation paid	1,749,802 1,931,379 658,324	1,940,546 4,788,750 175,166
Parklane Hotels & Resorts (Private) Limited	- Relatives are directors	- Advance extended - Advance received back	60,827 39,750	107,288 259,056
Southern Networks Limited		- Advance extended - Advance received back	8,209 -	14,872 5,679
Asta News Network	- Common directorship and relatives of directors - Percentage shareholding: 70% (2020: 70%)	- Advance extended	2,280	10,400

ATTESTED

Company Secretary
Bahria Town (Pvt) Ltd.

Bahria Town (Private) Limited

Notes to the Financial Statements

For the year ended June 30, 2021

Name	Relationship	Transaction during the year	2021	2020
..... (Rupees in thousands)				
White Water Hospitality (Private) Limited	- Relatives are directors	- Advance received back	20,266	-
Malik Riaz Hussain	- Director	- Advance extended	-	370,047
	- Percentage shareholding: 99.9995% (2020: 99.9995%)	- Advance received back	31,150	194,713

44 Remuneration of Chief Executive, Director and Executives

Description	Directors	Executives	Directors	Executives
	2021		2020	
..... (Rupees in thousands)				
Managerial remuneration	132,000	614,871	132,000	529,229
Number of persons	2	226	2	206

44.1 The Company also provides Company' maintained car and free telephone facility, both for Company and personal use.

45 Number of employees

The average number of employees during the year ended June 30, 2021 were 23,817 (2020: 23,280) and number of employees as at June 30, 2021 were 19,206 (2020: 19,007).

46 Date of authorization for issue

These financial statements have been authorized for issue on 30-03-2022 by the board of directors of the Company.

Chief Executive

ATTESTED
Company Secretary
Bahria Town (Pvt) Ltd.

Director



BAHRIA TOWN

Corporate Head Office
Bahria Orchard, Raiwind Road
Lahore
Phone: 358-1000
Fax: 358-1001

BAHRIA TOWN

Dated: 25 Jan 2024

**BEFORE THE NATIONAL ELECTRIC POWER
REGULATORY AUTHORITY**

**"Application for seeking Electric Power Supply License for
Bahria Town, Mohlanwal, Lahore and Bahria Orchards,
Raiwind Road, Lahore"**

ON BEHALF OF BAHRIA TOWN (PRIVATE) LIMITED

DETAILS OF CHARGES AND ENCUMBRANCES

I, Brig Bakhtiyawar Lal Hussain (Retd), Director Services holding CNIC No. 35201-2986374-3 of **Bahria Town (Private) Limited** hereby confirm that there has been no charges/encumbrances or liabilities attached with the company. As such the information may be considered as "NIL".


Brig Bakhtiyawar Lal Hussain (Retd)
Director Services Bahria Town Lahore





Bahria Town (Pvt) Limited

Bahria Town (Pvt) Limited
TIN: 042-33451304
Reg: 042-33451304

Dated: 25 Jan 2024

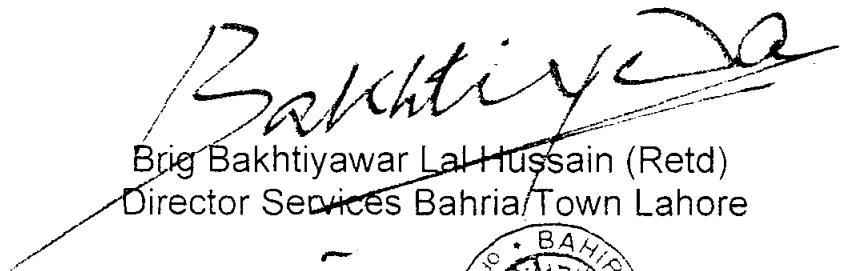
**BEFORE THE NATIONAL ELECTRIC POWER
REGULATORY AUTHORITY**

**"Application for seeking Electric Power Supply License for
Bahria Town, Mohlanwal, Lahore and Bahria Orchards,
Raiwind Road, Lahore"**

ON BEHALF OF BAHRIA TOWN (PRIVATE) LIMITED

EXPRESSION OF INTEREST

Bahria Town (Pvt) Limited is one of those housing schemes which are unique in many aspects providing numerous facilities to its residents. All electrical and other development works carried out by experienced and highly qualified employees of Bahria Town (Pvt) Limited. As such no contractual work is given to the external agencies except for construction of Grid Stations which entrusted to Company, M/s SIEMENS Pakistan Engineering. The profile of the Company is attached. Hence no such expression of interest to provide credit or financing facilities to the contractors is desirable.


Brig Bakhtiyawar Lal Hussain (Retd)
Director Services Bahria Town Lahore



ANNEXURE III
PROFILES OF SENIOR MANAGEMENT,
EMPLOYEES & SUB-CONTRACTORS OF
THE COMPANY

A. DETAILED PROFILE AND CVS OF SENIOR MANAGEMENT

B. EMPLOYMENT RECORDS OF ENGINEERING AND
TECHNICAL STAFF OF APPLICANT

C. PROFILE OF M/S SIEMENS

DETAILED PROFILE AND CURRICULUM VITEA OF SENIOR MANAGEMENT

Bahria Town management has engaged all technical and professional staff with diversified experience and most of them with experience of similar assignments from utility companies.

This policy provides Bahria's management experienced, trained managers with an advantage of better relationship with concerned distribution companies.

CVs of the following senior management are attached:-

- | | | |
|--|---|-------------------------------------|
| a. Brig (Retd) Bakhtiyawar Lal Hussain | - | Director Services |
| b. Engr Zahid Latif | - | Chief Engr Elect |
| c. Col (Retd) Ejaz Ahmad | - | Senior GM
(Billing) |
| d. Engr. Javaid Hussain | - | GM (Electrical
Maintenance) |
| e. Engr Liaquat Ali Khan | - | GM (Grid Station &
Coordination) |
| f. Mr. Waleed Bin Abid Gilani | - | Manager Meter
Connections) |

In order to ensure quality of design and services related with grid stations, distribution networks and all assignments regarding electric supply arrangements, Bahria Town has engaged qualified Consultants M/s M.E Consults (Pvt) Ltd Lahore which are providing their expert services satisfactorily for the last 24 years.

The CVs of the following staff of M/s M.E Consult (Pvt) Ltd is attached herewith:-

- | | | |
|-----------------------------------|---|------------|
| a. Engr Muhammad Pervaiz Chaudhry | - | CEO |
| b. Engr Salahuddin | - | MD |
| c. Engr Asghar Mahmud | - | Chief Engr |

CURRICULUM VITAE



Name: Brigadier (R) Bakhtiyawar Lal Hussain

Date of Commission 02 July 1967 **Date of Birth** 15 Oct 1944 **Date of Retirement:** 20 Aug 1998

<u>Education Qualifications</u>	Masters in Political Science BSc; Honors Military and Civil Law Human Rights & Law	Govt. College University Lahore Balochistan University Quetta GHQ, Pakistan Army Institute of Humanitarian Law, Italy
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Correspondence Address: #19 Army Housing Scheme Nishat Lahore Cantt,
Tel: 5734230 Cell: 03009422639
E mail: bakhtiyawar@yahoo.com

<u>Important Positions Held:</u> <u>In Pak Army 1980-1998:</u>	<ol style="list-style-type: none"> 1. Director Budget Pakistan Army 2. Brigade Commander 3. Deputy Director Personnel Services Pakistan Army 4. Instructor class A and B at Army Training Institutions 5. Assistant Quartermaster General (Plans) 6. General Staff Officer Grade I (operations) 7. General Staff Officer Grade II & III (operations/intelligence)
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Positions Held in Civilian Sector

Executive Director SNPET (A registered Public Education Trust for charity, providing free education to the under privileged children by establishing schools, and undertaking of community uplift programme)

Co-coordinator CARE

(Charitable NGO providing free quality and marketable education to deserving children by adopting / running of Distt Govt; schools and community uplift programme on self help bases.

General Manager Sardar Group of Companies

Senior General Manger Bahria Town (Pvt) Ltd Lahore (largest Real Estate Development Company in Pakistan)

- a. Administration
- b. Member Management Committee of Begum Akhtar Rukhsana Memorial Trust Hospital (a Charity project of Bahria Town)
- c. Member Management Committee of Bahria Town School
- d. Coordination and allocation of resources to development sites
- e. Obtaining certifications and of Government approvals
- f. Dealing and corresponding with Government departments i.e. Revenue, Labor, Police, Social Security, WAPDA and SNGPL NEPRA, LESCO, Roads/Highways, Irrigation/Drainage depts.
- g. Transport Control repairs, documentation Regn/Insurance
- h. Public Relations, Protocol and Ceremonies
- i. Security, watch and ward of personnel and material

Director Services Bahria Town (Pvt) Ltd, Lahore

- To be overall in charge of Services; Development infra structures of Electricity, Telephone. And Gas. Responsible for planning, obtaining of approvals and execution of services development work in all phases/projects of Bahria Town Lahore.
- Company Contact Person for Govt; departments, NEPRA, LESCO/NTDC, PTCL, and SNGPL for getting approvals and provision of respective services to Bahria Town Lahore projects.
- Development Telephone, Gas, Electricity, Media and TV cable network.
- Contact person for CDG Lahore, LDA, Irrigation, Roads & Highways Authority, NHA and their subordinate departments for related matters. Liaison with Company Lawyers follow-up specially court cases
- Exercise control over operations and maintenance of Grid Stations and construction/execution/commissioning, extension of load, electrification of Mohlanwal, Orchard, Nasheman/E&MC and Oases sites.
- Member Kidney Re-transplant Committee Bahraini Town Hospital
- Member Liver Re-transplant Committee Bahraini Town Hospital
- Administrator Oasis Town Houses Badian Road Lahore
- Senior General Manager JVs with HRL for Ashiana Housing Scheme M/S ,Kingscrete (Pvt) Ltd for Rose Garden, and Alrehmat Projects

251 D2, Wapda Town
Lahore, Pakistan
0092-42-5185626
0092-333-4237273
D.O.B. 15th December, 1948

Engr. Zahid Latif

CAREER PROFILE:

- Overall **35** years of experiences have been obtained in Electrical Power Distribution Organization WAPDA Lahore and **15** years of experience in private organizations including Barqaab Consulted (Pvt.) Ltd, Lahore, Valencia Housing Scheme and Bahria Town Pvt Ltd Lahore after retirement in the fields of operational, technical, planning and administrative activities along with the additional qualification of Masters In Business Administration to enhance the technical skills for the better performance for achieving goals of the department. Thereby the position of chief engineer had been attained in the said organization in the field of distribution engineering.

CAREER OBJECTIVES

- To use my prior experiences, skills and potential as an electrical engineer to assist an organization in achieving its goal for better ranking. I'm a highly conscientious individual and ardent in pursuing a professional career in a dynamic forward thinking organization.

PRESENT STATUS

- 17-09-2013 To Date:** Chief Engineer Electrical Bahria Town (Pvt) Ltd. Lahore Projects, HT & LT cable laying for external electrification, RMU's (Ring Main Units), Pad Mounted Distributions transformers, HT Switches, Distribution Boxes, Street light Poles, Installation of Generators and synchronizing for generating HT 11KV, Installation of Energy Meters at the customer premises, Billing and collection of revenue, Disconnections of Defaulters, Maintenance and operation of the distribution system, Supervision of the Extension of Grid station load from 10/13 MVA to 20/26MVA of M/S Siemen on turnkeys basis.
- 13-02-2012 to 16-09-2013:** Chief Engineer PECHS. Valencia & Izmir Town Lahore. Due to growth of the Construction of new houses in Valencia Town the load demand has been increased from the approved 3 MW. Therefore the case of handing over the Electrical system to LESCO / WAPDA has been initiated with LESCO for the erection of 132/11 KV Grid Station in Valencia. The Memorandum of Understanding (MOU) has been signed with LESCO / WAPDA

and the transferring of 32 kanal land for this purpose to LESCO is in progress with LESCO / LDA. As regard the experience of coordination with Govt. Departments it is pertinent to state that the undersigned is performing these activities by abiding rule regulations of Cooperative Housing Societies.

Deputy Project Manager Barqaab Consulted (Pvt.) Ltd, Lahore.

- Executing Consumer Census and Re-routification Project in Northern Circle LESCO, Lahore.
- The project has been commenced in Sanda Sub-division under Gulshan-e-Ravi Division LESCO for obtaining consumer data, connected load, energy meter particulars i.e. type of meters, Serial numbers of meters, meter rating, present meter reading and physical condition of meters of individual consumers.
- Allotting correct tariffs application, classification of tariff codes, correct feeder codes etc., and reference numbers of consumer in walking orders by actually visiting the sites.

POSITION ATTAINED

22-09-2008 to 14-12-2008 (Retired):

Chief Engineer / CSD (GEPCO)

- Arrange monthly billing and revenue collection through all authorized bank branches every month, under all tariffs and monitored monthly receivables. Adopted several measures to reduce the receivable by the technique of follow up of defaulter customers by formulating field teams. In this regard the targets were achieved through tactical planning at subdivision levels. Monthly cash inflow was raised.
- Reduce monthly and progressively absolute unit lost by detecting the theft of electricity and kept the line losses of the company within the permissible range as per targets given by the PEPCO authority.

PROFESSIONAL EXPERIENCES:

SUPERINTENDING ENGINEER / MANAGER (OPERATION)

Central Circle LESCO: 05/2003 to 10/2004

Okara Circle LESCO: 03/2007 to 02/2008

Kasur Circle LESCO: 03/2008 to 09/2008

- Operation and maintenance of 11/0.4 KV network providing stability to the system by attending major and minor breakdowns and faults. Granting domestic commercial and industrial electric connections to the customers, power connections at higher voltage level i.e. 11KV to electric furnaces, re-rolling mills, textile mills and other continuous processing industries by erecting indoor out door substations containing vacuum circuit breakers (VCB) Current transformers potential transformer CT/PT for the protection of the panels and metering as well. Adopted method for reducing the line losses of the system, reduced the theft of electricity, and reduced the monthly receivable of the organizations, executed HT/LT proposals
- Construction of 11 KV overhead underground lines and cables, installing 11/0.4 KV substations of 50 KV, 100KV, 200KV, 400KV, 630KV, 1000KV ratings.

**TECHNICAL MANAGER (M&T) LESCO:
10/2004 TO 05/2006 :**

- Installation of power connections above 500kw at 11kv voltage level, erection of 11kv panels alongwith CT/PT of various ratings according to load demand, for metering and protection purposes. Managed rectification of faults of 11kv metering panels, testing of 11kv cables by hotpot testing equipments at high pressure and removal of fault in the HT Cables.
- Set up computer laboratory for programming of 11kv electronics meter for new connections and to download the data of defective meters as well.
- Conducted checking and accuracy of 11kv metering equipments and panels at the customer premises.
- Supervised and monitored the technical teams headed by Deputy Managers (M&T) to detect theft of energy and accuracy of the metering equipment at customers premises upto 500kw at 400 voltage level. Managed the testing and calibration of energy meters in the laboratory under the control of Deputy Managers (M&T).

MANAGER MATERIAL MANAGEMENT LESCO:

05/2006 TO 08/ 2006 : Prepared procurement plan for distribution line material and equipments for the extension of the system, granting tube well connections, executing HT/LT proposals , village electrification and upgrading the existing distribution network.

- Procurement of distribution line material by floating tenders, receiving bids, technical evaluation of the bids to conform technical parameters according to the specifications and commercial evaluation to award of purchase orders to the

lowest technically and commercial responsive bidders. (Through competitive buildings)

- Monitored the receipt of the material in stores and in pipelines of various contractors. Perpetual checking of the inventory in regional stores pertaining their receipt and issuance to the field formations.
- Flotting of tenders for the procurement of 132kv transmission line and gas insulated 132/11kv grid stations material for extension the transmission line for the new grid station and upgrading the existing grid stations.

DEPUTY DIRECTOR MATERIAL MANAGEMENT LESCO

11/2002 TO 04/ 2003 : Prepared procurement plan for distribution line material and equipments for the extension of the system, granting tube well connections, executing HT/LT proposals , villagen electrification and upgrading the existing distribution network

DEPUTY DIRECTOR INSPECTION WAPDA

07/1997 TO 11/ 1999 : Inspection of distribution materials such as single phase and three phase, HT/LT cables including 15KV XLP cables.

DEPUTY DIRECTOR DISPOSAL WAPDA

11/1999 TO 12/2002 : Disposal of unserviceable WAPDA vehicles and materials through tendering and auction

EXECUTIVE ENGINEER AREA ELECTRICITY BOARDS

03/1996 TO 07/1997 KAMONKE DIVISION:

10/1990 TO 04/1992 GUJARAT DIVISION

04/1984 TO 05/1985 MESCO DIVISION MULTAN

10/1982 TO 04/1984 CIVIL LINE DIVISION LAHORE

- Operation and mantainance of 11/0.4 KV network providing stability to the system by attending major and minor breakdowns and faults. Granting domestic commercial and industrial electric connections to the customers, power connections at higher voltage level i.e. 11KV to electric furnances, re-rolling mills, textile mills and other continous processing industries by erecting indoor out door substations containing vaccum circuit breakers (VCB) Current transformers potential transformer CT/BT for the protection of the pannels and metering as well. Adopted method for reducing the line losses of the

system, reduced the theft of electricity, and reduced the monthly receiveable of the organizations, executed HT/LT proposals.

- Construction of 11 KV over head under ground lines and cables, installing 11/0.4 KV substations of 50 KV, 100KV, 200KV, 400KV, 630KV, 1000KV ratings.

DEPUTY DIRECTOR STANDARD SPECIFICATION WAPDA

04/1992 TO 03/1996

- Upgrading WAPDA standard specification of distribution material conforming to international standards (IEC) and American standards (ANSI), Technical and commercial judications of to be procured material and equipments through international tendering. Conducting prototype testing of material and also the final inspection of the material and equipment at independent laboratories KEMA Holland and at manufacturer's works to judge the suitability and technical parameters in accordance to WAPDA standards specifications.

DEPUTY DIRECTOR (PROJECTS) WAPDA

05/1985 TO 10 /1990

The undersigned executed the Projects lounged under Asian Development Bank (ADB) loans pk824-SF for the Electrification of 560 villages in the rural area of Pakistan and PK734-SF Power Distribution system for erecting irrigation Tube wells at the door steps of the individual formers due to abundant of scarp Tube Wells due to lowered water table in Sheikhpura. This Project was also known as Scarp Transition Pilot Projects. In order to commence the Projects field Surveys and estimates of Distribution lines material and occupants were prepared to determine bill of quantities (BOQ). These Projects were based on two components i foreign currency component (\$) the cost of the material and equipments ii local currency component (PK Rs.) for the payment of duties and Taxes of the material.

- International Tenders documents for the procurement of material and equipments were prepared and sent to (ADB) for vetting and received the copies of same duly vetted.
- Incorporated all the terms and conditions as suggested by (ADB). Then tender notice was published in newspapers to put the tenders on sale indicating the last date of receipt of Bids along with the opening date.
- Subsequently the tender opening Committee opened the Bids in the presence of participated Bidders and announced the prices.
- The Undersigned sent all copies of Bids to standard specification department of Design Distribution WAPDA for Technical adjudication conforming WAPDA, IEC specifications.
- The Undersigned carried out the commercial evaluation of technically responses Bids.
- If the technical responses Bidders was not the lowest pricewise then the case for the award of Contract was processed of the lowest technical responses Bidders as under the guideline of (ADB) negotiation was not permissible.

- Draft letter of intent (LOI) was prepared and sent to (ADB) for vetting and then it was issued by the undersigned to the technically / commercially responsive Bidders to provide the acceptance within stipulated period. The clause of prototype testing of material and equipments was included in (LOI) for those Bidders / Manufacturers who were supplying material and equipment for first time.
- Subsequently the Contract Agreement was signed by Chief Engineer (Project Authority) and the Bidders.
- 10% advance payment according to the conditions of the contract was released to the Bidders / Manufacturers on receipt of equivalent of Bank Guarantee to facilitate Bidders / Manufacturers to arrange to supply material and equipment according to delivery schedule.
- The offered material and equipment was undergone inspection to conform the technical parameter in accordance with the specifications by material Inspection Department WAPDA.
- The inspected material and equipment was ship on FOB, FCS, Ex works etc, according to shipping clause of the Contract Agreement.
- The material was received in the WAPDA respective stores where the store officer issued good receipt note (GRN) regarding the quantities.
- The Payments to Suppliers / Manufacturers on verification of Inspection Certificates, Bill of lading, GRN etc.
- For the late delivery of material and equipment liquidated damages charges were calculated by undersigned and deductive from the payments.
- After the receipt of the material and equipment in all the Bank Guarantee was released.
- It is worth mentioning here that undersigned handle the entire Project activities independently and was nominated as drawing and disbursing officers by the Chief Engineer (REO) WAPDA Lahore. The undersigned prepared yearly Budget for local currency payments and arrange the release of funds from Donner Agency i.e (ADB) as per schedule.
- The undersigned prepared monthly progress report for the submission to (ADB).
- The final completion report of the Project was also prepared for Donner Agency i.e (ADB) and other WAPDA higher Offices for perusal and record.
- Thus the undersigned feel no hesitation in describing the implementation, execution, handling the Projects successfully.

SUBDIVISION OFFICER –AREA ELECTRICITY BOARD LAHORE

07/1975 TO 10/1982

Fort, Gulberg, Sultan Pura, Samnabad, Islam Pura, Bhai Pheru, GOR

- Operation and maintenance of 11/0.4 KV network providing stability to the system by attending major and minor breakdowns and faults. Granting domestic commercial and

industrial electric connections to the customers, power connections at higher voltage level i.e. 11KV to electric furnaces, re-rolling mills, textile mills and other continuous processing industries by erecting indoor out door substations containing vacuum circuit breakers (VCB) Current transformers potential transformer CT/BT for the protection of the panels and metering as well. Adopted method for reducing the line losses of the system, reduced the theft of electricity, and reduced the monthly receivable of the organizations, executed HT/LT proposals

- Construction of 11 KV over head under ground lines and cables, installing 11/0.4 KV substations of 50 KV, 100KV, 200KV, 400KV, 630KV, 1000KV ratings.

ASSISTANT ENGINEER MID EAST CONSULTANT LAHORE

12/1974 TO 07/1975 :

- Supervision of foundation work of 500KV transmission line from Terbela dam to Faisalabad national power grid station

ASSISTANT ENGINEER IMPERIAL CONSTRUCTION COMPANY LAHORE

09/1973 TO 12/1974

- Construction of foundation, erection and stringing of 220KV double circuit transmission line Mangla Dam to Burhan grid station through Imperial Electric Company Lahore Pakistan.

EXPERIENCE OF MANAGERIAL, ADMINISTRATIVE & PUBLIC DEALING

- Throughout my career of service through different departments, I have good technical, managerial capabilities to get the jobs done successfully by engaging the right men for the right job, division of work to obtain tangible and intangible goals. Also administrative control on manpower has been exercised through Human Resources. Since the date of joining WAPDA as sub-divisional officer (SDO) in 1975 to the age of superannuation (60 years) the undersigned had performed duties as Executive Engineer (XEN), Superintending Engineer (SE) / Manager Operation and Chief Engineer (CSD) in Distribution wing of PEPCO WAPDA and dealt the consumers / General Public with good reputation and integrity. Help the people in solving the problems and difficulties attended the Labor Courts pertaining the cases filed by WAPDA labor on account of posting transfers and also civil suits filed by the WAPDA against the consumers for the theft of the Electricity. The undersigned has the great experiences of Administrative control over the WAPDA staff for achieving tangible and intangible goals.

ACADEMIC QUALIFICATION

1968 TO 1972

B.SC. (ELECTRICAL ENGINEERING) POWER

University of Engineering & Technology Lahore, Pakistan

1998 TO 2000

M.B.A (MARKETING)

University of the Punjab Lahore, Pakistan

MEMBERSHIP

M.I.E.E (Pak) 8379

I.E.E.E . USA

REFERENCE

- Further information and references will be furnished on request

COL. (Retd) EJAZ AHMAD

H.No.178 Babar Block Sector A
Bahria Town Lahore
Ph: (042) 35341631
0300-4875720

Educational Qualification

▪ Civil

- # B.Com (Hons) 1968 Hailey College of Commerce
Punjab University.
- # B.Sc (Hons) 1979 University of Baluchistan
War Studies
- # M.Sc 1988-89 University of Quaid-e- Azam Islamabad
Joint War Studies

▪ Military

- # Intelligence Course
- # Pakistan Staff Course (PSC)
- # Joint Service Staff Course (JSSC)
- # Effective presentations and skill of writing and communication.
- # Intelligence Collection, Evaluation and Counter Method/Measures.

Appointment held in Army

- Command Commanding officers of Two Field Artillery Regiments.
Commandant of Rangers Brigade of approx. strength of 4000
men (Anti Dacoit Force).
- Station Commander Sialkot
- Staff Adjutant of Artillery Regiment.
Grade 3 Staff officer of Headquarters Artillery.
Brigade major of an Artillery Headquarters.
Chief of Protocol of Joint Staff.
Headquarters/Ministry of Defence.

Study Tours

Visited following countries as a part delegation headed by Chairman Joint Chief of Staff Committee

- | | |
|----------------|-----------------------|
| • U.S.A | Nov/Dec 2018 |
| • Saudi Arabia | March 1988 & Oct 1989 |
| • Jordan | |
| • Egypt | |
| • Turkey | |
| • Qattar | |
- Oct-Nov 1989

Publications

- | | |
|---------------------------|---|
| • Napoleonic War | Published in the magazine of Joint Staff College |
| • Pakistan Nuclear Option | Published in the magazine of Joint Staff College |
| • Indian Hegemony and its | Research articles for M.Sc joint War neighboring states |
| | Studies. |

Profile

- Demonstrated proven skills in administration, syllabus designing, implementation and evaluation of academic policy in private institutions over a span of 10 years.
- Exhibited academic and research adaptability and career development of teaching/administration staff consistently.
- Demonstrated ability in leading, coordinating and monitoring a team of teachers.
- Demonstrated an ability to handle more than four institutions skillfully.
- Formulated rules and regulations of custom public school system and got them implemented successfully for five years.

Experience

- **Secretary Institutions (ETPB) Oct 2003-Nov 2005**

- # HAS Degree College
- # N.S Public School
- # Trust Model School
- # Janki Devi Hospital
- # Diyal Singh Trust Library

- **Coordinator Custom Public School System Dec 1998-Oct-2003**

- **Principal Army Public College Sialkot Oct 95-Aug-97**

- **Station Commander Sialkot July 94-Oct-95**

- Carried out planning and provision of Logistic support of the complete Garrison.
- Acted as advisor to the Garrison Commander on all administrative and Cantonment matters including MES, Cantonment Board etc.
- Supervised the working of all administrative units including CMH. Army Public School, Supply Units, Military Farms, Recruiting officers etc.
- Managed and supervised all the recreational facilities provided to troops in the stations such as, Station Library, Station Messes, Station Sports Complex and Station Welfare complexes.
- Organized the security system of the Cantonment including Entry/Exit control, Fire Fighting, Alarm systems etc.
- Managed and supervised all the organization involved in taking care of Health of troops such as Station Health Organization, Medical inspection Rooms, Sanitation and Sewerage inspection teams etc.

- **President Cantonment Board Sialkot July 94-Oct 95**

- **Commander Rangers May 92-July 94.**

- Chief of Protocol (Joint Staff Headquarters) 1989-1992
- Staff Officers at Various Headquarters
- Senior General Manager Customer Services Bahria Town Lahore - Dec 2005 To-date

- # Responsible for provision of physical possession of the allotted plots duly surveyed to the members after approval of the drawings.
- # To check/monitor under construction private houses in different stages.
- # Through periodical inspections keep a vigilant check to discourage violations, issue timely notices and take appropriate action for removal of the violations.
- # Issuance of house completion certificate to the members.
- # Survey of developed plots at all sectors.
- # Issue of electricity bills to all residents/shops.
- # Prepare and issue of service charges bills.
- # Prepare monthly consumption report of electricity used during the month.
- # Collected 20 billion in shape of billing and other charges for last 13 years.

CURRICULUM VITAE

HOUSE # 09, GOR-3,
PAF Road, SARGODHA, PAKISTAN
CONTACT # 0345- 1501362
0305- 1501362

CH. JAVAID HUSSAIN

PERSONAL INFORMATION

Name	Javaid Hussain
Father's Name	Ghulam Muhammad
Date of Birth	September 17, 1957
Nationality	Pakistani
Religion	Islam
Domicile	Sargodha (Pakistan)
Marital Status	Married
Language Spoken, Writing	English, Arabic, Urdu
Permanent Address	House No. 150 F/4, Street No. 16 Islam Pura Sargodha Pakistan
Contact	Cell # 0305-1501362 / 0345-1501362 Email: javid.hussain369@gmail.com
CNIC #	38403-7872653-7
Present Postal Address	GOR-3, PAF Road, Sargodha, Pakistan

ACADEMIC QUALIFICATION:

Degree	Year of passing	Division
S.S.C	1974	1 st
Diploma of Associate Engineering(Electrical)	1977	1 st with Distinction
B.Sc. Electrical Engineering	1984	1st

TRAININGS:

- Defence training course of National guards (Janbaz Force) during the year 1976.
- Management Training from WAPDA Academy Tarbela.
- Technical Training including introduction of thermal and Hydel power stations.
- Operating and Maintenance of Grid Stations, Transmission & Distribution Systems.
- Distribution Lines Construction.
- Safety and first Aid from WAPDA Engineering Academy Faisalabad.
- Basic Computer Usage & Applications.

EXPERIENCE:

- Twelve (12) years Field Experience as Electrical Engineer (Distribution) / (Construction) under FESCO.
- Five (5) years Field Experience as Electrical Engineer Operation under FESCO.
- Seven (7) years Field Experience as Deputy Manager Technical (Design/Planning) under FESCO.
- Four (4) years Field Experience as SE Operation and Maintenance/M&T/Grid System Operation.
- Two (2) years Field Experience as GM Operation/ Development in Shalimar Construction Company Sargodha.
- Four (4) years Field Experience as GM Operation and Maintenance in Bahria Town Lahore Pvt. Ltd.

DETAIL OF DUTIES PERFORMED IN THE FIELD:

- Managed the activities of 1000 Operation Personnel of a Operation Division comprised of 07 Nos. Sub Divisions, 1 No. 220 kv Grid Station, 08 Nos. 132kv Grid Stations and 05 Nos. 66kv Grid Stations. 186 Nos. 11kv distribution Feeders with 5000 Nos. distribution Transformers at 400/230 Volts feeding to different categories of 1, 50,000 consumers of the territory.
- Managed the Network consisting upon 20 Nos. grid stations connected with transmission lines of 33kv/66kv/132kv.
- Performed the Work as drawing and disbursing officer to dispense with all the financial liabilities of Operation Division.
- Operation, Maintenance and protection of 400/11000 Volt (LV/MV/HV) up to 132 kv Lines, Distribution Transformers, Single Phase and Polyphase with Maximum demand Indicators Energy Meters (Both analog and digital).
- Reading, billing and collection of revenue of Electricity Utility Company.
- Develop Preventive/Emergency Maintenance Programs for Network Sub Stations, Underground Cables and Overhead line as per standards.

- Design of protective schemes for all feeders, Grid Station Transformers as well as major load customers as per requirement of the area.
- Maintenance and troubleshooting of problems at LV/MV/HV circuits and to adjust work procedures to meet with abnormal or emergency situation.
- Analysis and study of long duration and short duration outages and recommended measures to reduce outages to minimum level.
- Observing Electrical Safety in maintenance such as effective grounding, cautions on equipment and issuing Permit to Work (PTW).
- Plan and design new Network extensions to supply new customers and new system improvement as required.
- Plan and Design Network Substations, underground cables and overhead lines as per standards.
- Plan and Design Network for Plot Plans Electrifications of residential in cities and rural areas, commercial plazas, Industrial load and forms.
- Preparation of proposals for projects and to ensure its successful commissioning.
- Completion of documents for bidders, proposals and recommendations for award for all contacts/ equipment suppliers required to complete assigned projects in accordance with Company Contracting Procedure.
- Coordination between contractors and the project management teams and other proponents of various organizations. Application of Critical Path Method Network Schedule using computer and monitoring the implementations of the approved Company Standards and Practices including project schedule overruns and job slippages and the plan to effect the recovery thereof.

LIAQUAT ALI KHAN

Senior Electrical Engineer

Email: engineer_liaquat@hotmail.com

+923344372440 (PAK)

Employer: (SATECH) SAUDI TECHNOLOGIST CONSULTING ENGINEERS
Kingdom of Saudi Arabia

OBJECTIVE

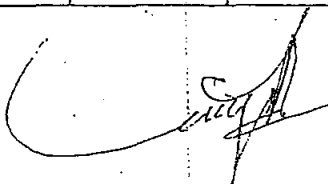
Skilled engineering professional offering 19+ years of domestic and international experience in all aspects of design, construction, management, control, instrumentation and electrical systems from (380KV to 380/230-120 Volts). Proven record of success completing multimillion dollar projects in time and under budget with onsite EI&C management of multiple vendors and clients. Expertise includes designing, programming, testing, Pre-commissioning, Commissioning and trial-runs t. Strong technical and methodical aptitude with an innate ability to analyze, coordinate and synthesize data. Aggressive in identifying and revolving inefficient operational processes. Strong team member, able to motivate other to achieve optimal success while maintaining high (EHS) safety methods and practices. Excel in unpredictable and hectic environment.

PROFESSIONAL COMPETENCIES

- 1)-Supervisory field engineering experience including monitoring and inspection of (380/132/13.8 KV, 380/115/13.8 KV and 380/110/13.8 KV) Substations. Erection, installation and energization of Power Transformers, GIS, Surge Arresters, (380 KV, 132 KV, 110 KV and 13.8 KV) Power cables, 13.8 KV MV switchgears, Auxiliary Transformers, Control Panels, AC / DC supply systems etc.
- 2) – Monitoring of Testing, Pre-commissioning, Commissioning and start-up activities of Substations equipment. Demonstrate technical support to the contractors and utilize expertise to the projects work as per international standards (IEC, IEEE) and SEC standards along with project specifications. Also interface with Contractors and clients to arrange meetings of different deviations specific to substation projects.
- 3) – Design Review of contractors submitted documents of substation equipment i.e Power Transformer, C.B, CT, PT, Surge Arresters, GIS, MV switchgears, AC/DC panels, D.C Batteries and Rectifiers, AC lightings, Power Cables, energy meters, low voltage and protection cables and wires.
- 5) - Maintenance: Implementation of regularly scheduled testing, Corrective maintenance, and preventative maintenance of electrical equipment installed in a substations.
- 6) - Wide experience and knowledge of International Standards such as (ANSI, IEEE, NEC, NFPA, API, IEC and NEMA) and SEC standards etc.

PROFESSIONAL EXPERIENCE

DETAILED WORK EXPERIENCE			
COMPANY ADDRESS & POSITION	FROM MO/YR	TO MO/YR	BRIEF DESCRIPTION OF JOB PERFORMED



SAUDI TECHNOLOGIST
CONSULTING
ENGINEERS SAUDI
ARABIA

08/16

4/2018

SENIOR ENGINEER

SUBSTATIONS

Projects: 132/13.8 KV and 110/13.8 KV substations

Team leader of a group of design engineers for technical evaluation of substation design and contractual matter projects at Makkah, Madinah, Tabuk and Taif Regions.

Review contractors submitted General layout drawings, equipment layout drawings, one line diagrams of substations, GIS diagrams, Material Submittals, Schematics and logic drawings of GIS, AC/DC single line diagrams, MV switchgears and Power Transformers dimensional drawings. Base and detail design of all the equipment of substations installed in the following substations

A) - 110/13.8 KV, Jamoom, Muabdah, Duba, Khobar Ext., Al-Tagher, Al-Bayah, Heraa, Rawabi and Sail Road S/S Projects (Al- Gihaz)

B) - 110/13.8 KV, Bani Malak, Aleyse, Haweyah, Al-Freeda, Ushairah, Rabigh, Eskan and al-Raidah S/S Projects (ABB)

C) - 110/13.8 KV, Al-Fayah, Al-Fardoos and Al-Nakheel S/S Projects of (Al-Musharaiq)

D) - 110/13.8 KV, Eskan Prince Fawaz-1, Eskan Prince Fawaz-2 and Jeddah Air Post-11 S/S Projects of (Bamco)

E) - 110/13 KV, Al-Mahjar, Al-Murjan, Hadda Centre, New Air Port-11

Mohamed Turki Mott
Macdonald (MTMM)
Engineering Consultancy
Jeddah- WOA

3/13

08/16

SENIOR ENGINEER

ELECTRICAL

Projects:- 132/13.8 KV and 110/13.8 KV Substation Projects

1)- Preparation & Review of Project Technical Specifications (PTS) including Scope of Work (SOW) and Tender drawings for 132/ 110/ 13.8 kV Substation Projects of National Grid SA.

2)-Technical Evaluation of Tender/Bid documents.

3) - Evaluation of contractor's submittals in view of the scope of work, standards and contractual conditions. Preparation of comments on Contractor's/Manufacturer's material proposals and technical submittals as per PTS, SEC and IEC IEEE International Standards.

4) - Review of Manufacturer's prequalification documents, Manufacturer's compliance statements, etc.

5) - Evaluation of project technical proposals,

			<p>Detailed designs and calculations submitted by contractors for different projects/contracts.</p> <p>6) - Updating & Reporting progress of design activities. Conducting design review meetings of various projects with the client & contractor.</p> <p>Projects</p> <ul style="list-style-type: none"> - 110/33kV El Eyse & Ushaira S/S (Contractor ABB) - 110/13.8kV Bani Malik-2, Rabigh-2, Eskan -2 (Contractor ABB) - 110/13.8kV Tiyyam-2, Hindawiyah-2 & Nuzah-2 Substations (Contractor Cogeflex) - 110/13.8kV Bida Substation (Al-Osais) - Coordinating with SEC's Design department & Projects department, Contractor and Sub Contractor's engineering disciplines during various stages of project. - Training new engineers of SEC who join our team.
<p>AL-Jazirah Engineers & Consultants- Khobar</p> <p><u>SITE MANAGER</u></p> <p><u>ELECTRICAL</u></p>	05/11	03/13	<p>Project :- 380/115/13.8 KV S/S Dehran- KSA</p> <p>Responsibilities:</p> <ol style="list-style-type: none"> 1) - Monitor the work of 380/115/ 13.8 KV substation's electrical installation and testing activities. 2) - supervise the quality control inspections work of contractor as per PTS, standards and SEC specifications. 3) - witness the contractor's work of testing, pre-commissioning, commissioning and start-up activities to ensure its compliance as per approved plans and procedures. 4) - Review type test reports and routine site tests performed by the subcontractors at site and independent test agencies in approved laboratories. 5) - Installation and testing of Power cables and low voltage cables / wires are supervised and submit comments / deviations to the contractors for proper rectifications. 6) - Organize, coordinate and conduct walk through inspections of substation work, until all discrepancies are corrected and rectified by the concerned agency.

JACOBS-ZATE
ENGINEERING
CONSULTANCY-KHOBAR
PROJECT ENGINEER
ELECTRICAL

03/08

5/11

7) - Prepare daily progress report , and assist the Project Manager in preparing weekly and monthly reports of substation equipment to enhance the Progress of the project for in time completion..

8)-Attend bi-weekly and monthly meetings with contractor and SEC clients and prepare a report to expedite the project activities.

Major Projects:

380 / 115 KV Substation- Dhahran

115 / 13.8 KV Substation- Dhahran

Project:- 380-110/13.8 KV S/S KANDRAH - Jeddah

Essential Responsibilities

1. Facilitating and coordinating, as well as tracking, of day-to- day activities required to ensure the project is completed on time, successfully, and in a manner consistent with organizational goals, departmental policies, and/or the standard terms and conditions of the contract
2. Witness quality control inspections of substation equipment to ensure that the work is initiated according to SEC standards and project specifications.
3. Monitor installation & testing work of (380/110/13.8 KV) substation
4. Witness all the pre-commissioning, commissioning tests of all electrical equipment installed in the subjected substation.
5. Check and review contractor's IFC and As-built drawings, material submittals, installation and testing procedures, project schedule permits and coordinate with the concerned agencies for getting their approval.
6. Review type test reports and routine site tests performed by the Contractor / subcontractors at site and independent test agencies in approved laboratories. .
7. Installation and testing of Power cables and low voltage cables / wires are supervised and submit comments / deviations to the contractors for proper rectifications.

LAHOR ELECTRIC SUPPLY
COMPANY (LECSO)
ENGINEER ELECTRICAL
(SUBSTATION)

09/99

02/04

8 Organize, coordinate and conduct walk through inspections of substation work, until all discrepancies are corrected and rectified by the concerned agency.

9. Prepare daily progress report , and assist the Project Manager in preparing weekly and monthly reports of substation equipment to enhance the Progress of the project for in time completion

10. Create project status reports for SEC clients.

11. Adopt a proactive approach to identify risks to project success and create and maintain a project risk log; develop effective action plans for resolution as early as possible.

12. Identify and report any quality or compliance concerns and take immediate corrective action as required.

13)- Assist in punch list clearance

Projects:- 132/11 KV Grid Stations & Transmission Lines

Responsibilities:

1)- Develop full-scale projects plans and associated communications documents

2- . Review of Manufacturer's prequalification documents, Manufacturer's compliance statements, etc.

3- Complete track of site activities and identifying critical points and solve for closure.

4- Attend client / consultants meetings and solve points for closure.

5- Safety coordination with site management.

6- Track the clients invoice according to the work completion and submit for payment.

7- Compliance with procedures and legal management.

8- Assist in punch list clearance.

9- Effectively communicate project expectations to team members i.e. project Manager, site manager, in a timely and clear fashion.

10- Liaise with project stakeholders on an ongoing

basis.

11- Estimate the resources and participants needed to achieve project goals.

12- Preparation and finalization of supply request / purchase order for all required equipments/ machineries complying with the contract documents.

13- Coordinate with all the suppliers for appropriate delivery of materials keeping the view not to delay project.

14- Keeping a good relationship with the client and to provide a challenging work progress with full satisfaction of client.

15- Draft and submit budget proposals, and recommend subsequent budget changes where necessary.

16- Where required, negotiate with other department managers for the acquisition of required personnel from within the company.

17- Set and continually manage projects expectations with team members and reporting authority.

18- Track project milestones and deliverables.

19- Develop and deliver progress reports, proposals, requirements documentation, and presentations to the higher management and clients.

20- Determine the frequency and content of status reports from the project team, analyze results, and troubleshoot problem areas.

21-Supervise the work of Installation, testing, commissioning, operation and maintenance of 14 No 132/11 KV substations . Termination & Testing of 132 / 11 KV XLPE Power cables with High voltage test, insulation resistance test etc.

Installation & Fixing of LV Circuit Breakers of different ratings, Disconnect Switches (rating 20 A to 1200 A),

Installation, testing of earthing system network.

Supervise the work of installation of CT, PT, C.B, Power T/F, and D.C Battery & Rectifiers in a grid stations

QUALIFICATIONS

B.Tech.(hons) 4- years Degree of Electrical Engineering Technology

2) - Registration of "Higher Education commission of Pakistan (HEC)
(Membership No.227-150-2004)

3) - 3-Years Diploma of (Associate Engineer Electrical) in 1979

4) - Membership of "Institute of Engineers Pakistan in 2004"
(Membership No.56605)

5) - Membership of "Saudi Council of Engineer Saudi Arabia in 2011"

Trainings.

Management & Technical
2002

06 weeks, AUGUST,

On job training of Engineers and induction course at Faisalabad Engineering Academy

Participation

The Institution of Electrical & Electronics Engineers (I.E.E.E)
(AUTHOR of power plant simulation software)

National Testing Services (N.T.S) passed with 73 Percentile marks.

Seminars and Lectures

- Safe operation of HV and LV Ckt Breaker.
- Performance analysis of fire alarm detectors.
- Performance analysis of fire suppression system
- Visual inspections of substations
- Power factor improvement

Computer Skills

- Sound knowledge of operating Computer and troubleshoot.
- Excellent ability to use Ms Office (Ms Word, Ms PowerPoint, Excel)
- Complete knowledge of using internet

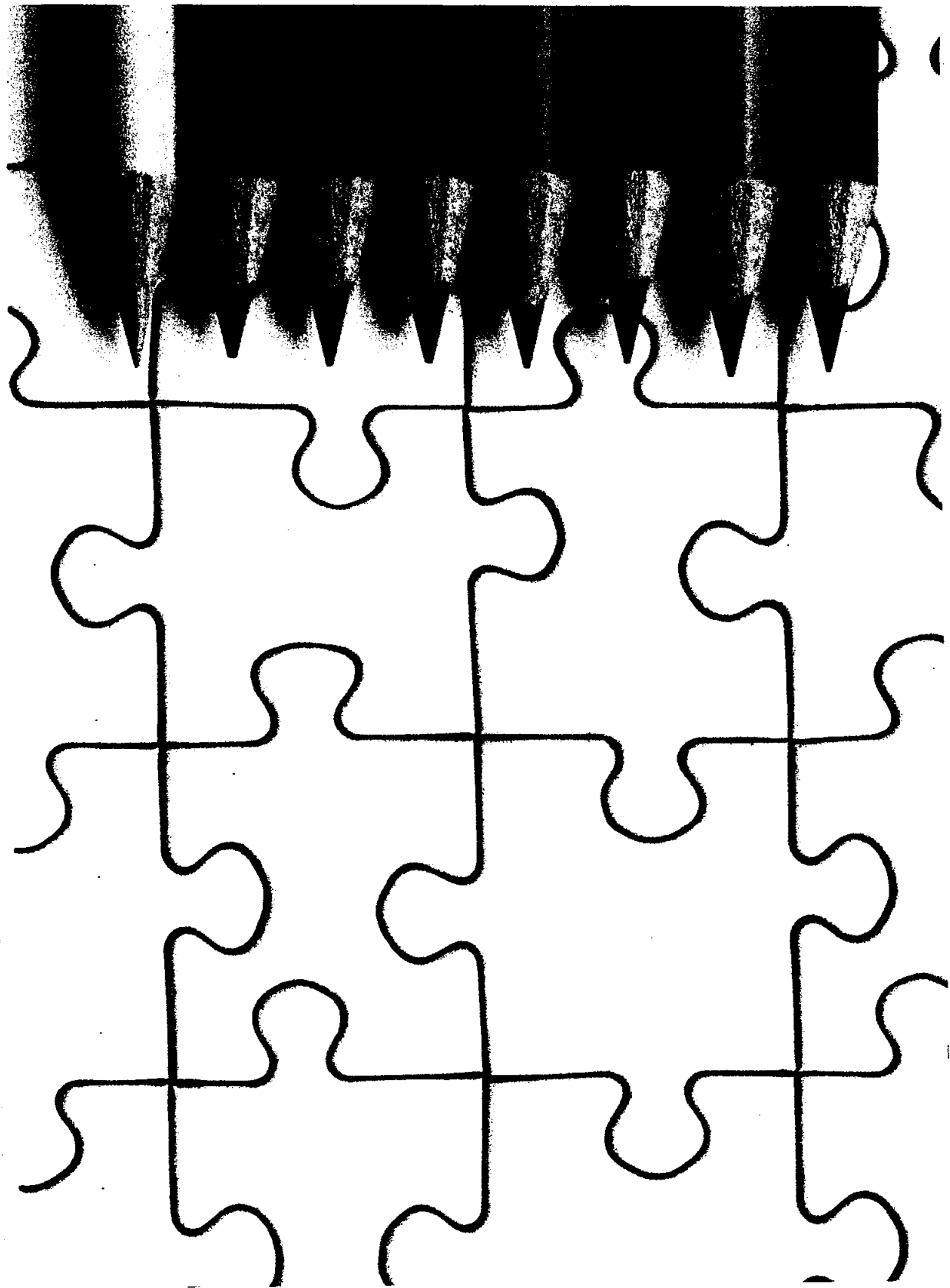
Languages

- I can understand and communicate in
- English
- Urdu
- Arabic
- Local languages of Pakistan

Personal

- Date of Birth: October 14, 1959
- Father's name: Shakoor Muhammad
- Driving license: valid Saudi Arabian

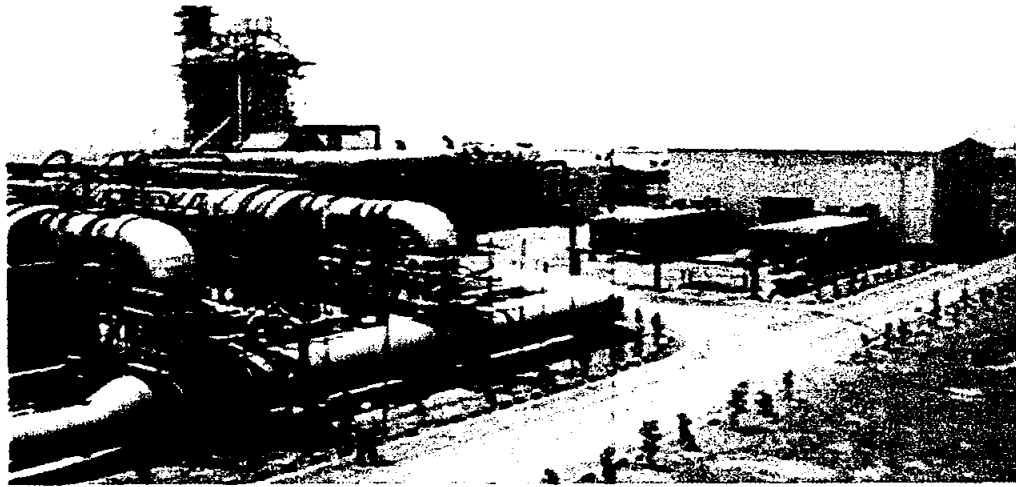




Siemens in Pakistan

Global Resources - Local Presence

SIEMENS



Pakistan's first Power & Desalination Cogeneration Plant in DHA, Karachi - A 94MW (ISO) Combined Cycle Power and a 3 million gallons per day Desalination Plant.

Siemens in Pakistan

Siemens' overall involvement in the region dates back more than 130 years. The company's name first became known through the construction of the Indo-European telegraph line from London to Calcutta in 1870. Siemens' first office in Lahore, what is now Pakistan, opened in 1922.

Siemens Pakistan Engineering Company Ltd. was founded in 1953 as a Private Company, and in 1963, the company was registered as a Public Limited Company.

Siemens enjoys a leading position in Pakistan in the areas of Power Generation, Power Transmission and Distribution, Automation and Control, Industrial and Infrastructure Solutions, Medical Solutions, Transportation and Information Technology Solutions.

Our Top rankings in Karachi Stock Exchange is the true testament of our leading position and also a living example of our vision which is "To remain market leader and technology pace setter in the engineering and electronics industry by utilizing the high-tech engineering expertise of the Siemens Group worldwide. To maintain our strong and prominent local presence."

Globally, Siemens Group has 475,000 employees working to develop and manufacture products, design and install complex systems and projects, and tailor a wide range of services for individual requirements.

Siemens provides innovative technologies and comprehensive know-how to benefit customers in over 190 countries.

Energy Solutions

Power Generation Solutions

Fossil Power Generation

- Gas Turbines and Power Plants (68MW-340MW)
- Steam Turbines and Power Plants (150MW-1900MW)
- Fuel Gasification Technology
- Combined Cycle Power Plants
- Electrical Generators

Oil & Gas and Industrial Applications

- Industrial Gas Turbines (4.7MW-48MW)
- Industrial Steam Turbines (1MW-150MW)
- Components for industrial power plants including heat and power cogeneration plants
- Compressors (150-824,000 CFM) and Drives
- PGW Compressors
- Air Compressors
- TLT Fans

Instrumentation & Controls

- Systems for all types of Power Plants
- IT Solutions

Wind Power

- Wind Turbines (On/Offshore)
- Wind Farms (On/Offshore)
- Ranging from 600kW upto 3.6MW

Services

- Installation and Commissioning of Power Plants
- Inspections of Turbines & Generators
- Modules & Upgrades, Rehabilitation programs for Turbines & Generators
- Long Term Service Contracts
- Operation & Maintenance Contracts
- Heat Treatment services (upto 1200°C)
- Turbo charger work shop

Generating Sets

Installation, Testing, Commissioning, Repair, Overhauling, Operations and Maintenance Services of locally assembled Diesel Generating Sets:

- Upto 1.1MVA, 3-phase, 400V, 50/60Hz
- Base load, Prime power or Standby duty
- Automatic Mains Failure Units (Relay based/Logic module based)
- Changeover units - Manual/Motorized
- Synchronizing units- Manual/Automatic
- Manual override panels
- Main & Sub-distribution boards
- Sound attenuated/Weatherproof enclosures
- Skid, Trailer/Trolley-mounted
- Fuel tanks
- Fully customizable and tailor made options

Solar Energy Solutions

We are actively involved in Photovoltaic business and have installed complete Solar Energy Solutions across the country mainly for House electrification, Telecommunication (Microwave links, Optical fibre & Digital exchanges), Water pumping, Navigation, Oil & Gas fields and Highway communication.

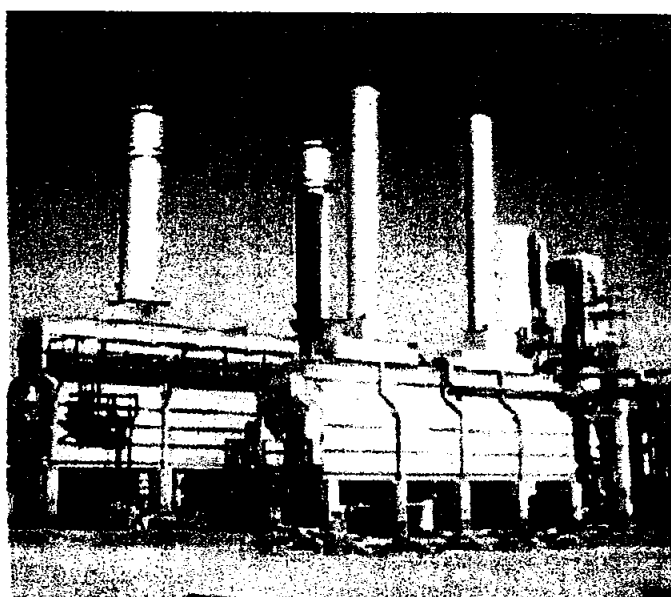
High Voltage Substations

Ranging from 72.5kV upto 500kV, we offer complete solution for high voltage substations including:

- Project Management
- Protection System Engineering and Commissioning
- GIS, HIS and AIS Gridstations
- In/Outdoor Conventional Gridstations
- Mobile Substation ranges from 72.5kV upto 220kV



Dubai Sports City Stadium glitters like a jewel at night. The substation for this magnificent piece of architecture marvel is being set up by Siemens Pakistan along with the substations for Festival City, International Media Processing Zone and Investment Park in Dubai.



Bosicor 30,000 BPD Refinery Project - Siemens Pakistan carried out complete Construction, Installation, Testing and Commissioning involving Civil, Electrical, Mechanical and Instrumentation works.

Transformers

Installation, Commissioning, On-site Testing, Re-engineering/Refurbishment, Capacity Enhancement, Diagnosis & Life Assessment of:

- Locally manufactured Distribution Transformers (upto 5000kVA)
- Locally manufactured Power Transformers (upto 220kV/250MVA)
- 11kV Auto Transformers with OLTC as Voltage Stabilizers
- Rectifier Transformers
- Furnace Transformers
- Neutral Earthing Transformers
- Dry Type Transformers (upto 2000kVA)
- Reactors

Switchboards

Locally manufactured switchboards:

- Medium Voltage Switchboards
- MV Vacuum Circuit Breaker Panels upto 24kV, 40kA
- MV Vacuum Contactor Panels upto 24kV, 800A
- MV Load Break Switch Panels
- MV SF6 Gas Insulated Ring Main Units

Low Voltage Switchboards

- Switchboards from 6300A upto 100kA
- Power Centre & Motor Control Centre, fixed or draw-out type
- Power Factor Improvement Plants
- Distribution boards & Bus Tie Ducts
- AC/DC Panels
- Relay and Control Panels for 132/220/500kV Gridstations
- Fan/Temperature/Auxiliary Control Panels for Power Transformers
- Soft Starter Panels
- PLC Panels

Package Substations

- Self contained, factory wired, separate sections for MV, LV and Transformers
- Pad Mounted Transformers upto 1250kVA
- Kiosk type substations upto 2500kVA

Energy Automation

Protection & Control Systems:

- Protection Relays, Relay Panels and Control Panels

Power Quality Systems:

- Energy Meters, Power Quality Recorders, Fault Recorders

Substation Automation Systems:

- Solutions for industry and utilities with Smart Remote Terminal units

Substation Communication Systems:

- Complete Solutions with Power Line Carriers, Fibre Optic, Microwave and High Speed Digital Link (HSDL)

SCADA & LDC Turnkey Solutions:

- Comprehensive SCADA solutions with Energy Management Systems and Distribution Management Systems

Power Transmission and Distribution Services

Asset Services of PTD Solutions:

- Maintenance, Rehabilitation, Upgrading, Retrofitting, Spare Parts & Transformer Life Management

Network Analysis & Consultancy:

- Technical due diligence and Technical Audits. Network Studies including Load Flows, Short Circuits, Insulation Coordination and Harmonic Analysis

Metering Services:

- Automatic Remote Metering, Pre-payment metering and Back office operations (data processing)

Specialized Tools:

- Software tools for Stability Studies, Protection coordination & PTD networks

Customer Support & Training:

- Support and Customized Training for PTD problems

Industry & Infrastructure Solutions

Standard Automation Products

- Industrial Automation Systems (SIMATIC PLCs)
- Control & Distribution products
- Process Instrumentation products
- Discharge Reactors
- Power Factor Relays
- AC & DC Variable Speed Drives
- Medium Voltage Motors
- DC Motors
- Wireless Modules

Motors

Low Voltage Locally Manufactured Motors

- 3-phase, solid shaft, squirrel cage induction motors for industrial & agricultural applications, 1HP to 400HP, in 2, 4, 6 and 8 poles construction
- 3-phase, vertical hollow shaft, squirrel cage induction motors for deep well turbine pumps, 7.5HP to 220HP in 2, 4 and 6 poles construction

Service and Repair

- Pre & post purchase consultancy services for power solutions
- Maintenance, repair, overhauls and spare parts with full backup support
- Installation, testing & commissioning
- Turnkey contracts
- Motor & Alternator rewinding
- Dynamic balancing of rotating parts upto 1000 kg



Water Supply Project K-III, enhancing the water supply to Karachi by 100 million gallons per day. Siemens Pakistan was the consortium leader of the two Pumping Stations (Dhabeji and NEK) built under this project.



MCB Tower (tallest building of Pakistan) and **ABN-AMRO Bank**, Karachi. Complete Electrification and Lighting solution was provided by Siemens Pakistan.



Infrastructure Solutions

Turnkey Infrastructure Solutions including Project Management, Electrical & Mechanical Design, Engineering and Construction, Testing & Commissioning.

Electrical EPC for:

- Large Industrial Parks
- Residential and Recreational facilities
- Airports and Tunnels
- Balance of Plant and Electrical & Mechanical Construction

Building Technology Solutions

Building Management System
Fire Alarm and Protection Systems
Security System/CCTV
HVAC Controls
OSRAM Lighting Solutions
Voice/Data Solution

Intelligent Traffic Solutions

Intelligent traffic solutions for:
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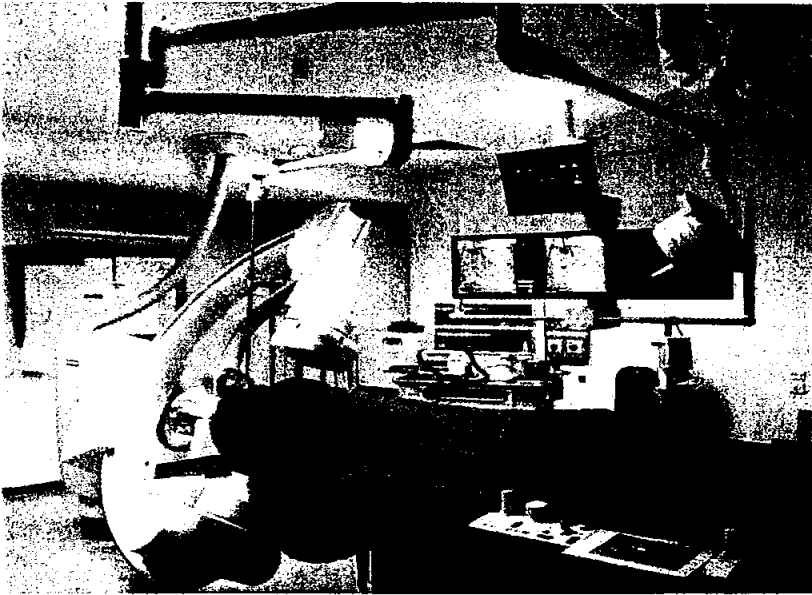
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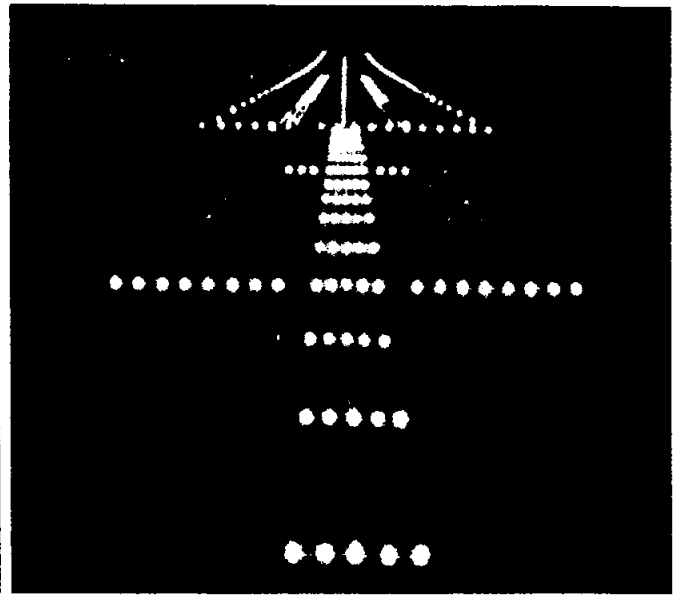
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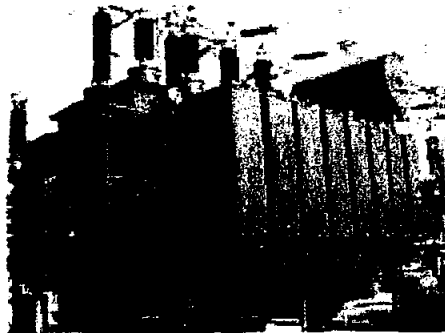
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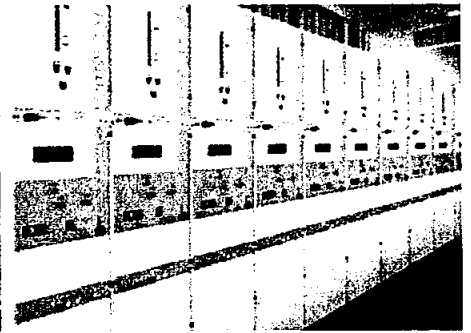
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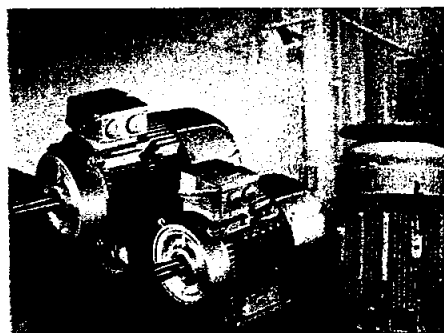
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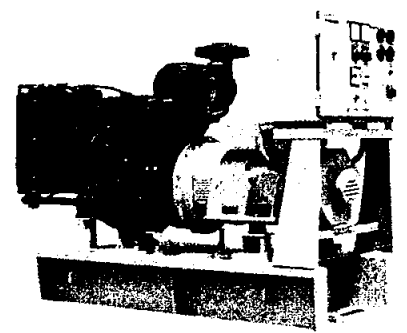
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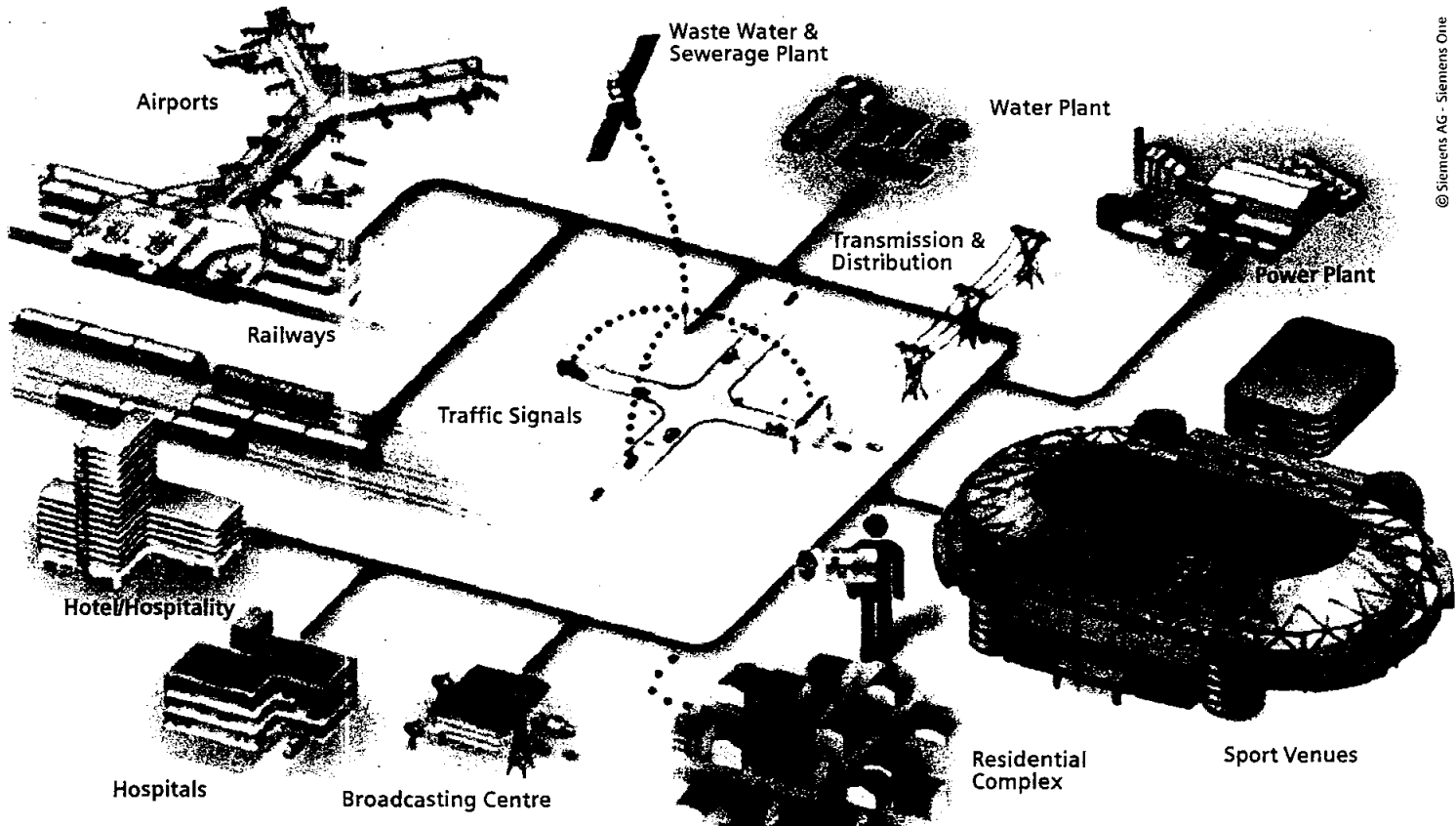
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REFERENCE LIST
High Voltage Substation Projects

Sr. No.	Customer	Location	Country	Contract Description	Completion Year / Planned Completion Year	Voltage Level	Arrangement
Reference List of HV Sub Stations - Completed Projects							
1	Packages Limited	Lahore	Pakistan	Outdoor Conventional Single Bay, Transformer Capacity 12MVA	1984	132 kV	Single Busbar
2	KESC Dhabeji	Karachi	Pakistan	Indoor Conventional Ring System (Ext.), 1 Bay	1984	132 kV	Ring Busbar
3	Pakland Cement	Karachi	Pakistan	Indoor Conventional Single Bay, Transformer Capacity 20MVA	1984	132 kV	Single Busbar
4	Cherat Cement	Nowshera	Pakistan	Outdoor Conventional Single Bay, Transformer Capacity 20MVA	1984	132 kV	Single Busbar
5	Dadabhoi Cement	Nooriabad	Pakistan	Outdoor Conventional Single Bay, Transformer Capacity 10MVA	1985	132 kV	Radial Feeder
6	Bela Chemicals	Bela	Pakistan	Outdoor Conventional Single Busbar System, 3 Bays Transformer Capacity 12.5MVA	1985	132 kV	Single Busbar
7	Attock Oil Refinery	Attock	Pakistan	Outdoor Conventional Single Bay, Transformer Capacity 7.5MVA	1986	132 kV	Radial Feeder
8	ICI	Sheikhpura	Pakistan	Outdoor Conventional Single Bay, (Ext.), Transformer Capacity 10/13MVA	1987	132 kV	Single Busbar
9	PAEC (KCP II)	Islamabad	Pakistan	Outdoor Conventional Double Trafo Bays, Transformer Capacity 10/13MVA	1991	132 kV	Radial Feeder
10	CAA	Karachi	Pakistan	Indoor Conventional Ring Bay, Transformer Capacity 30MVA, 132kV Under Ground Cable/ Overhead Transmission Line	1991	132 kV	Ring Busbar
11	Ghazi Fabrics	Lahore	Pakistan	Outdoor Conventional Double Single Bay, Transformer Capacity 10/13MVA	1991	132 kV	Radial Feeder
12	Pakistan Locomotive Factory	Risalpur	Pakistan	Outdoor Conventional Single Busbar System, 3 Bays, Transformer Capacity 6.3MVA	1991	132 kV	Single Busbar
13	KANUPP	Karachi	Pakistan	Indoor Conventional Single Bay, Transformer Capacity 10/13MVA	1992	132 kV	Single Busbar
14	GM Communication	Chashma	Pakistan	Outdoor Conventional Single Busbar System, 3 Bays, Transformer Capacity 2 x 20/26MVA	1994	132 kV	Radial Feeder
15	NTDC WAPDA	Multan	Pakistan	Design, supply, erection, testing and commissioning of plant for Multan 500/220kV Substation	1994	500/220 kV	Radial Feeder
16	NTDC WAPDA	Peshawar	Pakistan	Design, supply, erection, testing and commissioning of plant of 500kV Substation at Peshawar	1996	500 kV	Radial Feeder
17	KESC, Surjani Town Grid Station	Karachi	Pakistan	Indoor Conventional Double Bus System, 4 Bays & 1 Coupler, Transformer Capacity 40MVA	1996	132 kV	Double Busbar
18	KESC, Gizi Grid Station	Karachi	Pakistan	Indoor Conventional Ring System (Ext.), 1 Bay	1996	132 kV	Ring Busbar
19	KESC, Queens Road Grid Station	Karachi	Pakistan	Indoor Conventional Ring System (Ext.), 1 Bay	1996	132 kV	Ring Busbar
20	KESC, Bin Qasim Lot III, Korangi West	Karachi	Pakistan	Indoor Conventional Ring System (Ext.), 1 Bay	1998	132 kV	Ring Busbar
21	KESC, Bin Qasim Lot III, Korangi West	Karachi	Pakistan	Indoor GIS Station, Double Bus System, 6 Bays & 1 Coupler, Transformer Capacity 250MVA, 220kV Transmission Line	1998	220 kV	Double Busbar
22	KESC, 5th Power Project-Queens Road	Karachi	Pakistan	Indoor GIS Station, Double Bus System, 6 Bays & 1 Coupler, Transformer Capacity 250MVA	1998	220 kV	Double Busbar
23	KESC, 5th Power Project-Queens Road	Karachi	Pakistan	Indoor GIS Station, Double Bus System, 6 Bays & 1 Coupler, (Ext.), Transformer Capacity 40MVA	1998	132 kV	Double Busbar
24	KESC, 5th Power Project-Korangi West	Karachi	Pakistan	Indoor GIS Station, Double Bus System, 11 Bays & 1 Coupler, (Ext.), Transformer Capacity 40MVA	1998	132 kV	Double Busbar
25	KESC, 5th Power Project-Valika	Karachi	Pakistan	Indoor GIS Station, Double Bus System, 2 Line Bays (Ext.),	1998	132 kV	Double Busbar
26	Essa Cement	Nooriabad	Pakistan	Outdoor Conventional Single Bay, Transformer Capacity 10/13MVA	1998	132 kV	Radial Feeder
27	Pakland Cement	Karachi	Pakistan	Indoor Conventional Single Bay, Transformer Capacity 20/26MVA	completed	132 kV	Single Busbar
28	Japan Power Project	Lahore	Pakistan	Outdoor Conventional Double Busbar System, 7 Bays, Transformer Capacity 4 x 45/55MVA	1998	132 kV	Double Busbar
29	Bestway Cement	Islamabad	Pakistan	Outdoor Conventional Single Bay, Transformer Capacity 30MVA	1997	132 kV	Radial Feeder
30	BOC Gases	Karachi	Pakistan	Indoor Conventional Single Busbar System, 3 Bays, Transformer Capacity 20MVA	1997	132 kV	Single Busbar

REFERENCE LIST
High Voltage Substation Projects

Sr. No.	Customer	Location	Country	Contract Description	Completion Year / Planned Completion Year	Voltage Level	Arrangement
31	Saba Power	Lahore	Pakistan	Outdoor Conventional Single Busbar System, 3 Bays.	2000	132 kV	Single Busbar
32	PARCO	Multan	Pakistan	Outdoor Conventional Double Bay, Transformer Capacity 2 x 45/55MVA	2000	220 kV	Radial Feeder
33	Islamabad University	Islamabad	Pakistan	GIS Double Busbar Transformer Capacity 2 x 160MVA	2003	220 kV	Double Busbar
34	Islamabad University	Islamabad	Pakistan	GIS Double Busbar Transformer Capacity 2 x 20/26MVA	2003	132 kV	Double Busbar
35	PAPCO	Karachi	Pakistan	AIS Grid Station Extension	2004	132 kV	Single Busbar
36	WASO	Pakistan	Pakistan	Outdoor Conventional Double Trafo Bays, Transformer Capacity 20/26MVA	2004	132 kV	Radial Feeder
37	Bahria Town	Islamabad	Pakistan	Outdoor Conventional Single Busbar System, 3 Bays, Transformer Capacity 10/13 MVA	2004	132 kV	Single Busbar
38	NTDC/KESC	Karachi	Pakistan	GIS, 2 Line Bays, 2 Trafo Bays	2006	500 kV	Ring Busbar
39	NTDC/KESC	Karachi	Pakistan	GIS, 2 Line Bays, 2 Trafo Bays	2006	220 kV	Ring Busbar
40	NTDC	Rawat	Pakistan	Outdoor Conventional, Extension of one Diameter	2007	500 kV	1½ Breaker Scheme
41	National Transmission & Despatch Company Limited (NTDCL)	Sahiwal	Pakistan	Contract No.: 2570 - Design, Supply, Erection, Testing & Commissioning of Plant for Sahiwal 500/220/132 kV Substation	2007	500/220 kV	1½ Breaker Scheme
42	Sitara Chemicals	Faisalabad	Pakistan	20/26 MVA Feeder Bay Extension	2006	132 kV	Single Busbar
43	Maple Leaf Cement	Mainwali	Pakistan	One Line Bay, 2 20/26 MVA Trafo Bays	2006	132 kV	Single Busbar
44	KESC Old Town	Karachi	Pakistan	Two Line Bays, Two Power Transformer Bays and One Coupler Bay	2007	132 kV	Double Busbar
45	KESC Queens Road	Karachi	Pakistan	Two Line Bays and Three Power Transformer Bays	2007	132 kV	Double Busbar
46	KESC West Wharf	Karachi	Pakistan	Two Line Bays, Two Power Transformer Bays and One Coupler Bay	2007	132 kV	Double Busbar
47	KESC Valika	Karachi	Pakistan	Two Line Bays Extension	2008	132 kV	Double Busbar
48	KESC Mauripur	Karachi	Pakistan	One Auto-Transformer Bay, Two Line Bays, Two Power Transformer Bays and One Coupler Bay for 132kV, One Auto Transformer Bay, Four Line Bays and One Coupler Bay	2007	220/132 kV	Double Busbar
49	KESC KDA	Karachi	Pakistan	One Auto Transformer Bay at 220kV, Two Line Bays, One Auto-Transformer Bay and One Power Transformer Bay	2007	220/132 kV	Double Busbar
50	KESC Baldia	Karachi	Pakistan	GIS, 2 Line Bays, One Trafo Bay	2008	220/132 kV	Double Busbar
51	DHA Cogen	Karachi	Pakistan	Outdoor Conventional System, 2 Line Bays, 1 Transformer Bay 10/13 MVA	2007	132 kV	Single Busbar
52	Bahria Town	Lahore	Pakistan	Outdoor Conventional System, 2 Line Bays, 1 Transformer Bay	2008	132 kV	Single Busbar
53	Bahria Town	Rawalpindi	Pakistan	10/13 MVA	2008	132 kV	Single Busbar
54	National Transmission & Despatch Company Limited (NTDCL)	Gakkhar (Nokhar) - Gujranwala	Pakistan	Contract No.: 2017-21 - Design, Supply, Erection, Testing and Commissioning of Plant for Gakkhar 500/220/132 kV Substation under KFW Loan Number BMZ200365882	2010	500/200/132 kV	1½ Breaker Scheme
55	PIEDMC Sunder	Lahore	Pakistan	Two Line Bays, 1 40 MVA Power Transformer Bay	2009	132 kV	Single Busbar
56	KESC	Karachi	Pakistan	220kV GIS Switchyard at KTPS 6 bays and 2 bays in KCR GIS	2011	220 kV	Double Busbar
57	Atlas Power	Lahore	Pakistan	220kV Switchyard including 6 bays	2011	220 kV	Double Busbar
58	Doosan	Dharki	Pakistan	220kV AIS Switchyard including 5 bays	2011	220 kV	Double Busbar
59	Flying Cement	Lahore	Pakistan	Single bay, 40 MVA Transformer	2011	132 kV	Single Busbar
60	IESCO G - 13	Islamabad	Pakistan	Design, Supply, Testing & Commissioning of 132kV AIS Substation	2012	132 kV	Single Busbar

REFERENCE LIST
High Voltage Substation Projects

Sr. No.	Customer	Location	Country	Contract Description	Completion Year / Planned Completion Year	Voltage Level	Arrangement
61	National Transmission & Despatch Company Limited (NTDCL)	Ludewala	Pakistan	Contract ICB No. CLW-04 - Design, Supply, Installation, Testing & Commissioning of Extension of 220 kV Ludewala Substation & Associated Works at Chashma I & II and Daud Khail Substation on Turnkey Basis	2012	220/132 kV	1½ Breaker Scheme
62	MEPCO	Multan	Pakistan	132kV AIS Substation at Qasim Bagh	2012	132 kV AIS	Single Busbar Scheme
63	Bahria Town	Rawalpindi	Pakistan	Design, Supply, Testing & Commissioning of 220/132kV AIS Substation	2012	220/132 kV	Single Busbar
64	MEW Afghanistan	Kabul	Pakistan	110/20 kV AIS Substation -2 No 40 MVA Power Transformers	2012	110/20 kV	Double Busbar
65	MEW Afghanistan	Kabul	Pakistan	Supply of Equipment (Distribution Transformers, MV Switchgear)	2012	-	-
66	MEPCO	Multan	Pakistan	132kV AIS Substation at WAPDA Town Multan	2012	132 kV	Single Busbar Scheme
67	DHA	Karachi	Pakistan	Indoor Conventional System, 2 Line Bays, 1 Coupler Bay, 1 Transformer Bay 40 MVA	2012	132 kV	Double Busbar
68	IESCO 116	Islamabad	Pakistan	Design, Supply, Testing & Commissioning of 132kV AIS Substation	2012	132 kV	Single Busbar
69	LBG & B&V JV	Naibabad Afghanistan	Afghanistan	Extension of 3 # 220 kV Shunt Reactor Bays including 2 # 25 MVAR and 1 # 10 MVAR three Phase Reactors	2012	220 kV	Double Busbar Scheme
70	LBG & B&V JV	Kabul, Pul e Khumri and Chimtala Afghanistan	Afghanistan	Extension of 3 # 110 kV Capacitor Bank Bays at Chimtala -Extension of 2 # 220 kV Capacitor Bank Bays at Pul e Khumri - Extension of 1 # 110 kV Capacitor Bank Bay at Kabul North	2012	220 kV and 110 kV	Double Busbar Scheme
71	Agha Steel Mills	Karachi	Pakistan	132kV AIS Substation at Agha Steel Mills Port Qasim	2012	132 kV	Single Busbar
72	Nishat Churnian	Karachi	Pakistan	132kV AIS Substation at Nishat Churnian	2012	132 kV	Single Busbar
73	MEPCO	Multan	Pakistan	132kV AIS Substation at WAPDA Town Multan	2013	132 kV	Single Busbar
74	MEPCO	Multan	Pakistan	132kV AIS Substation at Larr District Multan	2013	132 kV	Single Busbar
75	National Transmission & Despatch Company Limited (NTDCL)	Loralai	Pakistan	Tender No. ADB-52-2009 - Design, Manufacture, Supply, Erection, Testing & Commissioning on Turnkey Basis of 220 kV AIS Loralai Grid Station (Tranche III)		220/132 kV	1½ Breaker Scheme
76	IESCO	Islamabad	Pakistan	132kV AIS Substation at IESCO Noorpur	Completed In 2014	132 kV	Single Busbar
77	MEPCO	Multan	Pakistan	132kV AIS Substation at Kameer	Completed In 2014	132 kV	Single Busbar
78	HESCO	Jacobabad	Pakistan	Design, Installation, Testing & Commissioning of 132kV A.I.S S/S.	2015	132 kV	Single Busbar
79	HESCO	Sukkur	Pakistan	Conversion of 66kV into 132kV Grid Station along with T/L	2015	132 kV	Single Busbar
80	HESCO	Larkana	Pakistan	Conversion of 66kV into 132kV Grid Station along with T/L	2015	132 kV	Single Busbar
81	HESCO	Talhar	Pakistan	Conversion of 66kV into 132kV Grid Station along with T/L	2015	132 kV	Single Busbar
82	Agha Khan & KESC	Karachi	Pakistan	132kV GIS Grid Station on Turnkey Basis	2015	132 kV	Single Busbar
83	MEW Afghanistan	Mahipur	Pakistan	Rehabilitation of 110kV Grid Station at Naghlu	2015	110 kV	-
84	GEPCO	Deska	Pakistan	Design, Installation, Testing & Commissioning of 132kV Substation	2015	132 kV	Single Busbar
85	GEPCO	Godhpur	Pakistan	Design, Installation, Testing & Commissioning of 132kV Substation	2015	132 kV	Single Busbar
86	IESCO 116	Islamabad	Pakistan	Design, Supply, Testing & Commissioning of 132kV AIS Substation	2015	132 kV	Single Busbar
87	GEPCO	Kolo Tarar	Pakistan	Design, Installation, Testing & Commissioning of 132kV A.I.S S/S	2015	132 kV	Double Busbar
88	GEPCO	Jalapur Nao	Pakistan	Design, Installation, Testing & Commissioning of 132kV A.I.S S/S	2015	132 kV	Single Busbar
89	Bahria Town	Lahore	Pakistan	Extension of Trafo Bay at Bahria Town Grid Station	2015	132 kV	Single Busbar
90	JDW Mills	Ghotki	Pakistan	132kV AIS Grid Station on Turnkey Basis at Ghotki Sugar Mills	2015	132 kV	Single Busbar
91	JDW Mills	Rahim Yar Khan	Pakistan	132kV AIS Grid Station on Turnkey Basis at Ghotki Sugar Mills	2015	132 kV	Single Busbar
92	RYK Mills	Rahim Yar Khan	Pakistan	132kV AIS Switchyard at RYK Mills	2015	132 kV	-
93	LESCO	Mominpura	Pakistan	Design, Installation, Testing & Commissioning of 132kV A.I.S Substation	2016	132 kV	Single Busbar
94	MEPCO	Multan	Pakistan	132kV Fatehpur Substation with Transmission Lines	2016	132 kV	Single Busbar
95	MEW Afghanistan	Naghlu - Kabul	Pakistan	Rehabilitation of 110kV Grid Station at Naghlu	2016	1310V	Single Busbar
96	MEPCO	Multan	Pakistan	132kV Alipur Substation with Transmission Lines	2016	132 kV	Single Busbar

REFERENCE LIST
High Voltage Substation Projects

Sr. No.	Customer	Location	Country	Contract Description	Completion Year / Planned Completion Year	Voltage Level	Arrangement
97	Ministry of Energy & Water (MEW)	Khulum	Afghanistan	KfW - North East Power System (Afghanistan) Contract Agreement No.: 2010 65283 - Lot 3 220/20 kV Substation Khulum		220/20 kV	
98	Hamza Sugar Mills	Rahim Yar Khan	Pakistan	132kV GIS Switchyard at Hamza Sugar Mills	2016	132 kV	
99	KE/PP/PID/MLT/001	Karachi	Pakistan	132 kV Lyari Maripur G/S Turnkey Basis.	2016	132 kV	
100	KE/AKU/HD-Dedco	Karachi	Pakistan	132 kV Agha Khan Grid Station.	2016	132 kV	
101	220 kV Gardez S/S	Afghanistan	Afghanistan	220kV Gardez Substation, Afghanistan.	2016	220 kV	
102	LESCO	Saggain	Pakistan	Design, Installation, Testing & Commissioning of 132kV GIS S/S	2018	132 kV	Double Busbar
103	HEI - HRL Joint Venture	Balloki	Pakistan	Design, Supplies, Transportation of 500 kV Equipment for Balloki 1223 MW CCPP, Pakistan	2018	500 kV	1½ Breaker Scheme
104	China Machinery Engineering Corporation	Jhang	Pakistan	220 kV Switchyard Area Engineering Design (Purchase & Service) for 1263 MW Punjab Power Plant, Jhang	2018	220 kV	1½ Breaker Scheme
105	Gharo Solar 50 MW	Pakistan	Pakistan	132/11.5 kV GIS Substation and EBOP at 50 MW Gharo Solar PP	2020	132 kV	Double Busbar
106	Bahria Town	Lahore	Pakistan	132kV Grid Station Bahria Orchard	2016	132 kV	Single Busbar
107	Bahria Town	Rawalpindi	Pakistan	132kV AIS Grid Station at Bahria Town Rawalpindi	2018	132 kV	
108	PESCO-01	Peshawar	Pakistan	132kV AIS Grid Stations on Turnkey Basis.	2016	132 kV	
109	HESCO-01-Retendering	Hyderabad	Pakistan	Procurement of Plant, Design, Supply, Installation & Construction of New 132 kV (AIS) GS at New Malli alongwith T/L	2016	132 kV	Single Busbar
110	DABS/007/ICB	Khulm - Afghanistan	Afghanistan	220kV Substation at Kabul Southwest Afghanistan	2019	220 kV	
111	DABS/010/ICB	Afghanistan	Pakistan	Procurement of Plant Design, Supply and Installation of 220/110/20kV S/S at Andkhoy, Sheberghan & Expansion of Mazar-e-Sharif S/S	2019	132/220 kV	
112	Golen Gol	Chitral	Pakistan	Engineering and Design of 132/11kV Substations at Chitral, Timergara and Chakdara	2016	132 kV	Single Busbar
113	Bahria Town	Rawalpindi	Pakistan	Extension of 220kV Auto Transformer Bay	2017	220 kV	Double Busbar
114	National Transmission & Despatch Company Limited (NTDCL)	Sahiwal	Pakistan	Extension of 500/220 kV Bay at Existing 500/220/132 kV Sahiwal Substation	2020	500/220 kV	Breaker & Half
Reference List of HV Sub Stations 132/11kV GIS - Projects Executed in UAE							
1	Dubai Electricity and Water Authority (DEWA)	Arabian Mall (ARML)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2007	132 kV	Double Busbar
2	Dubai Electricity and Water Authority (DEWA)	Wadi (WADI)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2007	132 kV	Double Busbar
3	Dubai Electricity and Water Authority (DEWA)	Sports City (SPRT)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2007	132 kV	Double Busbar
4	Dubai Electricity and Water Authority (DEWA)	Ryadha (RYDA)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2007	132 kV	Double Busbar
5	Dubai Electricity and Water Authority (DEWA)	Sports Club (SPCB)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2007	132 kV	Double Busbar
6	Dubai Electricity and Water Authority (DEWA)	Burj Residence (BRES)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2008	132 kV	Double Busbar
7	Dubai Electricity and Water Authority (DEWA)	Old Town (OTWN)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2008	132 kV	Double Busbar
8	Dubai Electricity and Water Authority (DEWA)	Dubai Logistics Park Offices (DLPO)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2008	132 kV	Double Busbar
9	Dubai Electricity and Water Authority (DEWA)	Jabel Ali Airport Cargo (JAAC)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2008	132 kV	Double Busbar

REFERENCE LIST
High Voltage Substation Projects

Sr. No.	Customer	Location	Country	Contract Description	Completion Year / Planned Completion Year	Voltage Level	Arrangement
10	Dubai Electricity and Water Authority (DEWA)	Dubai Logistics freight forwarders (DLFF)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2008	132 kV	Double Busbar
11	Dubai Electricity and Water Authority (DEWA)	Umm Al Sharif (UMSF)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2009	132 kV	Double Busbar
12	Dubai Electricity and Water Authority (DEWA)	Hospital (HSPL)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2009	132 kV	Double Busbar
13	Dubai Electricity and Water Authority (DEWA)	Khaleej Tejar (KTJR)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2009	132 kV	Double Busbar
14	Dubai Electricity and Water Authority (DEWA)	Investment Zone (INVZ)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2009	132 kV	Double Busbar
15	Dubai Electricity and Water Authority (DEWA)	Capital Investment 9CPTI)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2009	132 kV	Double Busbar
16	Dubai Electricity and Water Authority (DEWA)	Mirdif city Centre (MDCC)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2009	132 kV	Double Busbar
17	Dubai Electricity and Water Authority (DEWA)	Dubai Bio tech Substation (DBTH)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2009	132 kV	Double Busbar
18	Dubai Electricity and Water Authority (DEWA)	Airport Residence(ARSD)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2009	132 kV	Double Busbar
19	Dubai Electricity and Water Authority (DEWA)	Studio city(STDO)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2010	132 kV	Double Busbar
20	Dubai Electricity and Water Authority (DEWA)	Logistics(LOGS)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2010	132 kV	Double Busbar
21	Dubai Electricity and Water Authority (DEWA)	Pilot(PILT)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2010	132 kV	Double Busbar
22	Dubai Electricity and Water Authority (DEWA)	Zabeel Park(ZPRK)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2010	132 kV	Double Busbar
23	Dubai Electricity and Water Authority (DEWA)	Dubai World Trade Centre(DWTC)	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2010	132 kV	Double Busbar
24	Dubai Electricity and Water Authority (DEWA)	Burj Dubai	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2011	132 kV	Double Busbar
25	Dubai Electricity and Water Authority (DEWA)	Dragon Mall	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2011	132 kV	Double Busbar
26	Dubai Electricity and Water Authority (DEWA)	Meadows	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2011	132 kV	Double Busbar
27	Dubai Electricity and Water Authority (DEWA)	CUC Cargo	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2011	132 kV	Double Busbar
28	Dubai Electricity and Water Authority (DEWA)	DCA Phase 2	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2011	132 kV	Double Busbar
29	Dubai Electricity and Water Authority (DEWA)	Jewel of Creek	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2011	132 kV	Double Busbar
30	Dubai Electricity and Water Authority (DEWA)	Meeras	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2011	132 kV	Double Busbar
31	Federal Electricity & Water Authority (FEWA)	Girath	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2012	132 kV	Double Busbar
32	Federal Electricity & Water Authority (FEWA)	Ajman PS	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2012	132 kV	Double Busbar

REFERENCE LIST
High Voltage Substation Projects

Sr. No.	Customer	Location	Country	Contract Description	Completion Year / Planned Completion Year	Voltage Level	Arrangement
33	Federal Electricity & Water Authority (FEWA)	Nakheel PS	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2012	132 kV	Double Busbar
34	Federal Electricity & Water Authority (FEWA)	Shaggy	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2012	132 kV	Double Busbar
35	Federal Electricity & Water Authority (FEWA)	RAK PS	United Arab Emirates	Design, Supply, Testing & Commissioning of 132kV GIS Substation	2012	132 kV	Double Busbar
Reference List of HV Sub Stations - Projects under execution							
1	KE TP-1000	Karachi	Pakistan	Survey, Design, Manufacturing, Supply, Construction, Installation, Erection, Testing, Commissioning, Energization and Handing over on Turnkey basis for KE Transmission Packages - in total 29 Grid Stations	2022	220/132 kV	-
2	Al-Moiz II	Punjab	Pakistan	132kV AIS Switchyard at Al-Moiz II Sugar Mills		132 kV	Single Busbar
3	Shahaj Sugar Mills	Punjab	Pakistan	132kV AIS Switchyard at Shahaj Sugar Mills		132 kV	Single Busbar
4	Coca Cola Beverages Pakistan Ltd.	Gujranwala	Pakistan	132kV AIS Switchyard		132 kV	Single Busbar
5	DESCON Engineering Limited	Elthad	Pakistan	Design, Engineering, Manufacturing, Factory Testing, Supply, Supervision of Installation Carryout Testing, Commissioning, Performance Test and Training of 132 kV Switchyard at 74.40 MW Co-Generator Power Project, at Rahim Yar Khan, Punjab, Pakistan		132 kV	-
6	Naveena Steel	Karachi	Pakistan	132 kV Substation at Naveena Steel		132 kV	-
7	Greenesol Power System Pvt. Ltd.	Tandlianwala	Pakistan	Design, Manufacturing, Supply, Supervision of Installation, Testing & Commissioning of 132 kV Substation at Chanar Energy Limited		132 kV	-
8	K-Electric	Karachi	Pakistan	220 kV GIS Substation at Dhabeji	2022	220/132 kV	Double Busbar
9	Scalec Solor	Karachi	Pakistan	132 kV Substations for 3x50 MW Solar Power Plants	2022	132 kV	Double Busbar
10	National Transmission & Despatch Company Limited (NTDCL)	Faisalabad	Pakistan	WB-07A-2020 - Design, Supply and Installation of Augmentation Works at 220 kV Sumandari Road & Gakkhar Grid Station	2023	220 kV	-
11	National Transmission & Despatch Company Limited (NTDCL)	Banu & Daud Khel	Pakistan	WB-07D-2020 - Design, Supply and Installation of Extension Works at 220 kV Daud Khel Grid Station & Augmentation Works at 220 kV Bannu Grid Station	2023	220 kV	-
12	National Transmission & Despatch Company Limited (NTDCL)	Sibi & Loralai	Pakistan	WB-09A-2020 - Design, Supply and Installation of Extension Works at 220 kV Sibi Grid Station and 220 kV Loralai Grid Station	2023	220 kV	-
13	National Transmission & Despatch Company Limited (NTDCL)	Quetta	Pakistan	WB-09B-2020 - Design, Supply and Installation of Augmentation Works at 220 kV Quetta Industrial Grid Station	2023	220 kV	-
14	National Transmission & Despatch Company Limited (NTDCL)	Sibi & Loralai	Pakistan	WB-08B-2020 - Design, Supply and Installation of Augmentation Works at 220kV T.M Khan Road & Hala Road Grid Station & Extension Works at 500kV Jamshoro Grid Station	2023	220 kV	-
15	Siddique Sons	Karachi	Pakistan	132 kV GIS Substation at Siddique Sons	2022	132 kV	-
16	Interloop Ltd	Faisalabad	Pakistan	132 kV AIS Substation for Interloop Ltd.	2022	132 kV	-
17	Naveena Steel	Karachi	Pakistan	Extension in 132 kV GIS Substation at Naveena Steel	2022	132 kV	-
18	National Transmission & Despatch Company Limited (NTDCL)	Sibi & Loralai	Pakistan	WB-10B-2020: Design, Supply and Installation of Extension Works at 220kV Grid Station Islamabad University & 220kV Grid Station New Kotlakhpat and Augmentation at 220kV Grid Station Ludewala	2024	220 kV	-

SIEMENSSiemens Pakistan Engineering Co. Ltd.
SE T SO**REFERENCE LIST**
High Voltage Substation Projects

Date: 26-05-2022

Sr. No.	Customer	Location	Country	Contract Description	Completion Year / Planned Completion Year	Voltage Level	Arrangement
19	K-Electric	Karachi	Pakistan	KE Hubchowki addition of 3 Nos. GIS Line Bay	2023	132 kV	-
20	K-Electric	Karachi	Pakistan	500/220/132kV KKI Grid Station	2025	500/220/132 kV	-

ANNEXURE IV
TECHNICAL PROPOSAL AND PLAN OF
THE PROJECT

A. FEASIBILITY REPORT

B. RELEVANT FEEDER MAPS

C. NUMBER OF CONSUMER AND EXPECTED LOAD

D. CONSUMER CLASS/CATEGORY, SUB-CATEGORY ON THE
BASIS OF SANCTIONED LOAD AND VOLTAGE LEVEL

E. TARIFF CATEGORIES OF CONSUMER CLASSES

F. DEMAND AND CONSUMPTION PATTERN ON DIFFERENT
TIME PERIODS

FEASIBILITY REPORT

Bahria Town (Pvt.) Limited is Pakistan's leading private sector real estate developer engaged in developing and delivering highly successful world class housing communities all over Pakistan and in this context Bahria Town Lahore (BTPL) has developed a high standard living projects comprising of 02 distinct areas of housing schemes, First area situated along the canal near Mohlanwal Lahore (Bahria Town Mohlanwal) while second area a few kilometers apart from first, on Raiwind Road Lahore in the name of Bahria Town Orchards Lahore.

The schemes are located approximately 20 KMS from Lahore, close to Multan Road Lahore and on Raiwind Road Lahore (Mohlanwal and Orchards respectively).

The total area of both schemes at present is 56,045 Kanal.

Keeping in line with international standards, spacious network of roads and avenues has been developed. Play grounds, parks, sports facilities, clubs, hospitals, educational institutions, street lights, security and firefighting arrangements have been most adequately incorporated.

Both schemes have their own dedicated 132 kV grid stations, telephone exchanges and gas distribution networks.

The electrical distribution network is underground. The total assessed load requirements of both schemes are 200 MW for Mohlanwal and 110 MW for Bahria Orchards.

Mohlanwal area is fed through 132kV grid station with 02 x 20/26 MVA Power Transformers with 3rd 31.5/40 MVA power transformer under installation through M/s. Siemens EPC contractor after approval of extension of load by LESCO from 40 to 70MW.

To meet all future requirements in Mohlanwal, construction of new 132kV GIS grid station with 2x31.5/40MVA transformers has also been undertaken.

For Bahria Orchards, the area is being fed from 132kV Bahria Orchard grid station which has a capacity of 2 x 10/13 MVA power transformers at present.

The said grid station is capable to meet all future requirements through augmentations / additions easily.

The key features of the Bahria Town are as under.

1) Town Planning:

BTPL through world class town planners have provided residential facilities for all walks of life. It has farm houses, bungalows, town houses, apartments, commercial areas, all developed and built on international standards which provide options for everyone to avail true modern living concept at competitive prices.

2) **Roads:**

Roads are wide, carpeted and have walk ways on both sides.

3) **Markets / Shopping Malls:**

Every area has its own market and shopping malls are in central locations which satisfy all residents needs.

4) **Hospital:**

In both housing projects (Mohlanwal and Orchards), State of Art Hospitals are operative with all modern facilities. Even open heart surgeries are also being carried out.

5) **Mosques**

Bahria Town Mohlanwal contains Pakistan's second largest Jamia Mosque where five times prayers are offered. Likewise Bahria Orchards has a central Jamia Mosque. These are apart from Sector mosques for the ease of residents residing any where in the area.

6) **Recreational Facilities:**

The community contains gold class cinemas, country club, parks, Zoo, restaurants, children play areas, and a five star hotel facility for the residents.

7) **Security:**

BTPL is providing a fool proof security of the area at all entry points alongwith mobile squads, check posts in order to provide peaceful environments for the residents.

8) **Provision of Electricity:**

BTPL like their other housing projects has given a top priority to quality of electricity to ensure interruption free and top quality electricity services to their residents in Lahore. Bahria Town therefore opted for its own underground distribution networks on one point bulk supply basis from LESCO through arrangements under distribution licence. BTPL have obtained bulk supply connections in both its locations at Lahore through C3 tariffs at 132 kV grid stations constructed at Bahria own costs.

Both grids (Mohlanwal and Orchards) were constructed by M/s. Siemens as EPC contractor after approvals from LESCO meeting all NTDC specifications with approved loads of 70MW and 19.6MW for Mohlanwal and Orchards respectively.

Bahria Pays LESCO every month on tariff C3 and has never defaulted. Further to, Bahria has laid down its own network meeting all LESCO/NTDC and international specifications through underground system and billing its residents (customers) without discrimination (at same utility tariff, approved by NEPRA), through a licence obtained from Govt. of Punjab during 1999.

Bahria has applied for Distribution Licence from NEPRA since 2008 after the creation of NEPRA to look after its customers in a best possible manner.

Bahria has its own standby generators which match the grid station capacity and are used to meet the interruptions / shortfalls at both grid stations.

In fact, the provision of quality electric supply is the hall mark of Bahria Town which is widely appreciated by the residents and is a major attraction for the public to reside in Bahria.

The basic features of distribution network are as following

a) Infrastructure:

The HT and LT distribution network is underground and has been constructed by BTPL according to WAPDA specifications / international standards at Bahria's own cost. It comprises of following major equipments.

- HT / LT Cables
- Ring Main Units (RMU's)
- 11/0.4kV Pad Mounted Transformers
- Distribution Boxes
- LT Service Cables
- Metering System

This quality infrastructure developed, supervised and maintained by competent and experienced staff has made both the communities feel living in entirely different communities compared to all other adjoining area.

b) Operation and Maintenance:

BTPL has its own department responsible for operation and maintenance of distribution system. The trained staff with proper T&P. Safety equipment and transport is available round the clock to attend consumer complaints, emergencies and system faults.

c) Metering and Billing:

BTPL is carrying out meter reading of energy consumed at each consumer premises, on the basis of which, billing of energy consumed is made and collection of electricity bills is done accordingly. The disconnection of consumers on nonpayment of bills and reconnections upon payment of outstanding dues is also practiced and followed efficiently.

In fact, the environment and facilities for residents in Bahria Town Mohlanwal and Bahria Town Orchards Lahore (Like all Bahria projects), are matchless to any other

housing project in the country and Bahria's Town management with their vast business volume, strong financial strength have made affordable to all categories of buyers and subsequently residents due to their diversified residential facilities.

The housing project also remains sustainable for Bahria management because of their very large scale of successful business in this field with a track record that **Bahria Town Lahore has never defaulted in payment of monthly huge bills to LESCO as a bulk supply customer.**

NUMBER OF CONSUMERS AND EXPECTED LOAD

1) Number of Consumers = 26576 (Oct 2023)

2) Maximum Load Recorded

- 1. 132KV Bahria Mohlanwal Grid Lahore = 40 MW (July 2023)
- 2. 132KV Bahria Orchards Lahore = 8.5 MW (July 2023)

3) Expected Maximum Load

- 1. 132KV Bahria Mohlanwal Grid Lahore = 45.0 MW (June 2024)
- 2. 132KV Bahria Orchard Grid Lahore = 11.0 MW (June 2024)

CONSUMER CLASS / CATEGORY , SUB-CATEGORY ON
BASIS OF SANCTION LOAD & VOLTAGE LEVEL

(Jan-2019)

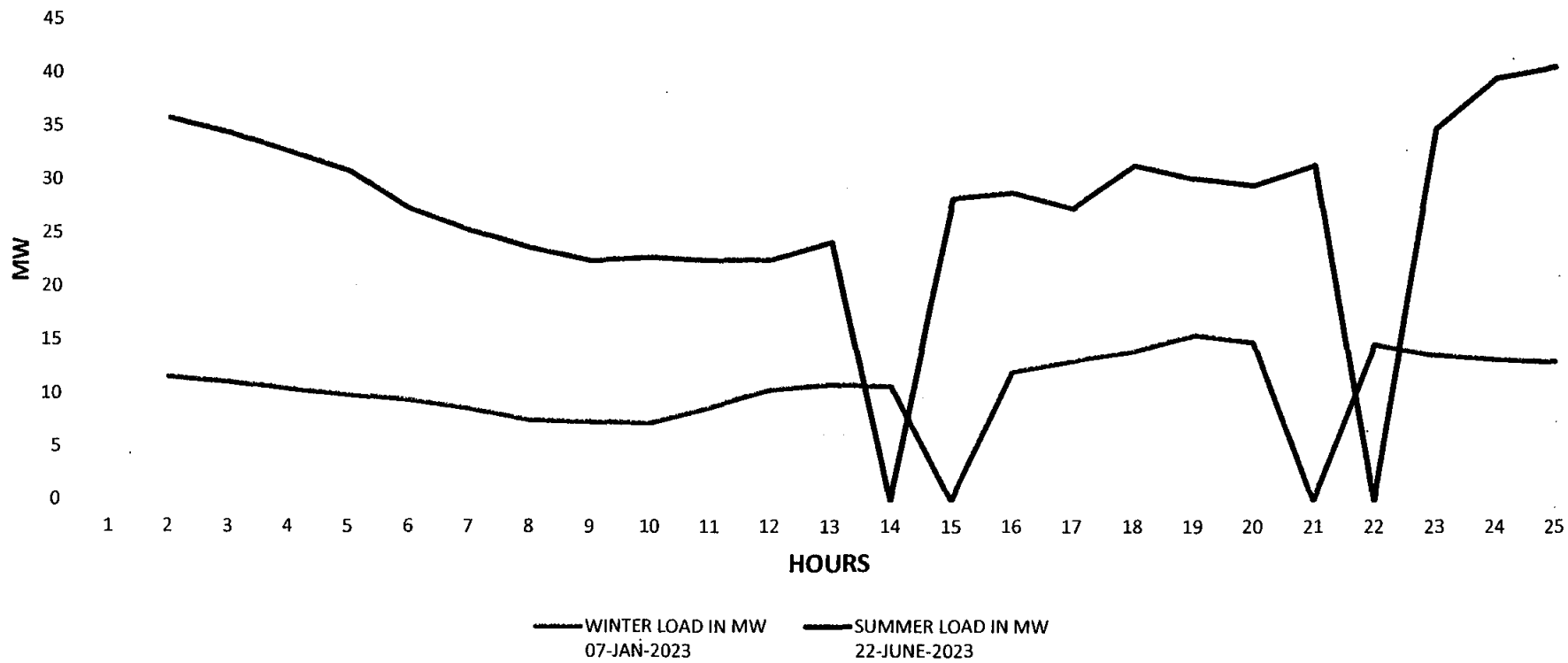
Sr. No.	Consumer Class / Category	Sanctioned Load	Voltage Level	No. of Consumers
01	Residential A-1	Above 5KW	400/230 Volt	10,645
02	Commercial A-2	Above 5KW	400/230 Volt	1,053
03	Services G	Above 5KW	400/230 Volt	428
Total Consumers				12,126

TARIFF CATEGORIES FOR DIFFERENT CONSUMER CLASSES

Bahria Town Lahore has following (03) categories of tariff for its customers / premises in their service territory.

- | | | |
|-------------------|---|--|
| 1) Residential A1 | - | All residential customers, workers accommodations mosques etc. |
| 2) Commercial A2 | - | All commercial customers and contractors |
| 3) Services G | - | Street Lights, Parks, Water Tanks etc. |

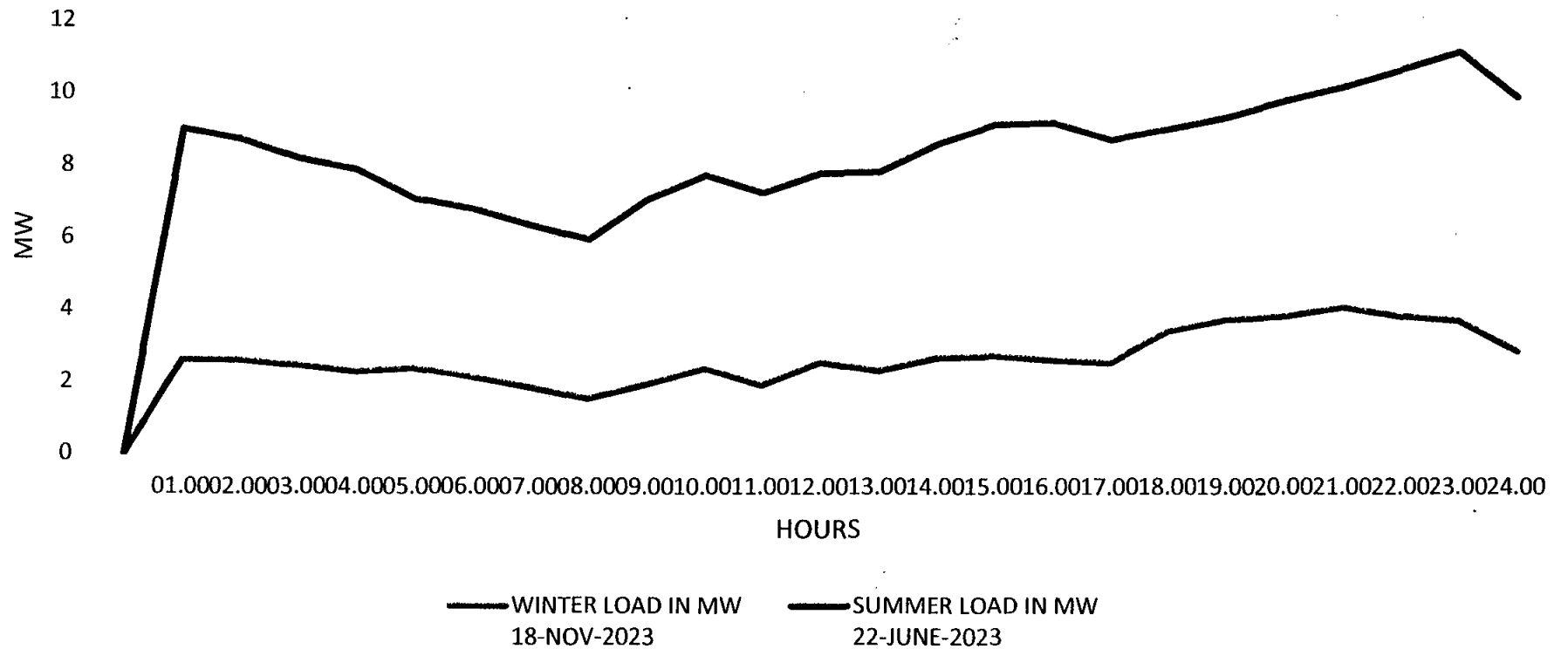
**DEMAND AND CONSUMPTION PATTERN ON DIFRENT TIME PERIOD BAHRIA
MOHLANWAL**



BAHRIA TOWN GRID STATION MOHLANWAL SUMMER & WINTER LOAD DETAIL FOR YEAR 2023

TIME	WINTER LOAD IN MW 07-JAN-2023	SUMMER LOAD IN MW 22-JUNE-2023	REMARKS
1	11.58	35.77	<p style="text-align: center;">IN SUMMER MAXIMUM LOAD OF 40.33 MW RECORDED ON 22-JUNE-2023</p> <p style="text-align: center;">IN WINTER MAXIMUM LOAD OF 14.70 MW RECORDED ON 7-JAN-2023</p>
2	11.16	34.42	
3	10.47	32.58	
4	9.91	30.82	
5	9.40	27.26	
6	8.63	25.26	
7	7.51	23.63	
8	7.40	22.40	
9	7.23	22.68	
10	8.70	22.40	
11	10.35	22.46	
12	10.88	24.14	
13	10.67	0.00	
14	0.00	28.14	
15	12.00	28.68	
16	13.00	27.23	
17	13.89	31.23	
18	15.35	29.98	
19	14.70	29.33	
20	0.00	31.25	
21	14.47	0.00	
22	13.51	34.60	
23	13.11	39.32	
24	12.88	40.33	

DEMAND AND CONSUMPTION PATTERN ON DIFRENT TIME PERIOD BAHRIA ORCHARD



BAHRIA TOWN GRID STATION ORCHARD SUMMER & WINTER LOAD DETAIL FOR YEAR 2023

TIME	WINTER LOAD IN MW 18-NOV-2023	SUMMER LOAD IN MW 22-JUNE-2023	REMARKS
1	2.61	6.39	IN SUMMER MAXIMUM LOAD OF 7.41 MW RECORDED ON 22-JUNE-2023
2	2.59	6.12	
3	2.44	5.73	
4	2.27	5.59	
5	2.37	4.69	
6	2.12	4.64	
7	1.83	4.49	
8	1.51	4.41	
9	1.90	5.12	
10	2.36	5.32	
11	1.88	5.32	
12	2.53	5.22	
13	2.29	5.49	
14	2.64	5.90	
15	2.69	6.39	
16	2.58	6.54	
17	2.51	6.14	
18	3.36	5.58	IN WINTER MAXIMUM LOAD OF 4.02 MW RECORDED ON 18-NOV-2023
19	3.68	5.59	
20	3.76	5.95	
21	4.02	6.08	
22	3.76	6.81	
23	3.64	7.41	
24	2.80	7.00	

ANNEXURE V

SERVICE TERRITORY, BILLING PROCEDURES AND EQUIPMENT

- A. PROPOSED SERVICE TERRITORY
- B. BILLING AND COLLECTION PROCEDURES
- C. ABILITY TO ACCESS CONSUMER METERING
SYSTEMS AND OTHER SERVICES/EQUIPMENT
- D. BASIS OF COMMON SERVICES FOR COMMERCIAL
AND RESIDENTIAL CONSUMERS
- E. TYPES OF METERING SYSTEM
- F. METERING AND TESTING FACILITIES

BILLING AND COLLECTION PROCEDURES

(Including provisions for remote metering)

Bahria Town Lahore is billing its customers under Nepra's tariffs and purchasing electricity in bulk supply tariff at C3 from LESCO through Bahria Town 02 grid stations (Bahria Mohlanwal and Bahria Orchards).

As per NEPRA provisions, Bahria Town is applying same tariff for its category of customers which LESCO other DISCO's apply. Bahria Town is following LESCO/DISCO's billing / collection programs which are proven effective and efficient.

For implementations, Bahria Town management has introduced its own SOP which defines the duties and reading cycles for meter reading staff as well as billing section staff.

Bahria Town management also applies same procedure for customers defaulting on payments, disconnections and subsequent reconnections on payments.

BILLING AND COLLECTIONS

ELECTRICITY BILLS

Electricity bills are being generated / issued in accordance with Nepra's tariffs (as amended time to time).

Meter readings / billings

1. Billing Clerks completes Main Billing Record issued previous month, showing unpaid bills details on 20th of each month.
2. Billing Clerks will obtain details of handed over houses of new connections for construction during the billing month from Possession Department.
3. Billing Clerks will include newly handed over houses of Mohlanwal and Orchards where meters were installed during the billing month in the Main Billing Record.
4. Manager Billing will check and ensure that 100% new Connections have been included in Main Billing Record.
5. Manager Billing will hand over updated Reading list showing Previous month's reading of Houses / Shops to Incharge Meter Readers for taking Meter readings as per following schedules:-

- | | | |
|-----|------------------|--------------------------|
| i. | Bahria Mohlanwal | - 21 to 24 of each month |
| ii. | Bahria Orchards | - 25 to 28 of each month |

6. Incharge Meter Readers will take 100% readings & return reading sheets duly completed to Manager Billing as per following schedule:-
- i. Bahria Mohlanwal - 22 to 25 of each month
 - ii. Bahria Orchards - 26 to 29 of each month
7. Manager Billing will hand over the completed Meter Reading lists after checking to billing clerk / computer operator for preparation of bills as per following schedules:
- i. Bahria Mohlanwal - 26 to 28 of each month
 - ii. Bahria Orchards - 29 to 31 of each month
8. Billing Clerk / Computer Operator will prepare the bills according to the applicable tariff and put up to Manager Billing for checking as per following schedule.
- i. Bahria Mohlanwal - 22 to 25 of each month
 - ii. Bahria Orchards - 26 to 29 of each month
9. 10% LP Charges will be imposed on House/Shops who will deposit bills after due date as mentioned on Electricity bills. However, SGM(CS) can consider relief on case to case basis.
10. Manager Billing will ensure that 100% Electricity Bills have been prepared & distributed to the Houses / Shops and no house / shop is left without billing. He will also ensure that arrears / unpaid bills of last month have been shown in the current bills.
11. Manager Billing will hand over the bills after 100% checking to Bill distributor as schedule given below for distributing to the Houses / shops.
- i. Bahria Mohlanwal - 26 to 28 of each month
 - ii. Bahria Orchards - 28 to 30 of each month
12. Account assistant will collect bank receipts daily from MIB, Askari, Sindh, Allied, Faysal and UBL banks BTPL Branch at 1700 hours and hand over to DEO for entering collection in Main Billing Record.
13. Billing Clerks will hand over the Bank receipts to Accountant for maintaining Cash Book after making payment entry.
14. Billing Clerk will put up defaulter list to Manager Billing on 11th of each month of Bahria Mohlanwal 16th of each month of Bahria Orchards.

15. Payable dates of bills will not be extended as a routine. Approval of SGM (CS) will be required on case to case basis.
16. Manager Billing will issue disconnection orders of defaulters who failed to deposit the Electricity bills of previous months & hand over to Incharge Meter Readers for disconnection the Electricity supply.
17. In case of non-payment of Electric bill for one month, Electricity connection will be disconnected. Connections will be restored on payment of bills & reconnection fee shown as under. However, GM(CS) may grant relief as deemed appropriate on case to case basis.

<u>Amount (Rs)</u>	-	<u>Fees</u>
Up to 1000	-	Rs. 100/-
Between 1001 to 5000	-	Rs. 500/-
Between 5001 to 15000	-	Rs. 1000/-
Between 15001 to 50000	-	Rs. 2500/-
Between 50001 to 100000	-	Rs. 5000/-
Over 1 Lac	-	Rs. 7000/-

18. On production of bill deposit copy / Reconnection Fee, Manager Billing will issue reconnection orders to Incharge Meter reader for Electricity restorations.
19. Manager Billing will put up Monthly Electricity Consumption report showing details of units received consumed during the month.
20. Billing of Dead Damaged meters will be charged as under:-
 - a. As per consumption of electricity of proceeding year of same month
 - b. Average electricity consumption of last three months.
21. Manager Billing will prepare Comparison state showing recovery and Electricity bill issued by LESCO of the billing month.
22. All consumers will pay Electricity / Maintenance charges bills. However, Chairman / CEO can waive off/exempt the charges.
23. SGM can allow installments to the client billing on case to case basis.
24. Owner of property will be responsible to provide the allotment letter & copy of CNIC for change of ownership on utility bills.

25. Long outstanding arrears will not be written off (except allowed by CEO). Electricity Supply of the said defaulter houses / plazas will only be restored after payment of dues / arrears.

MAINTENANCE OF ELECTRICITY ACCOUNTS

1. Accountant of Billing Department will maintain Electricity Bills Accounts.
2. Account Assistant will collect Bank receipts from banks and hand over to Concerned Computer Operator for bill paid entry in main billing Record summary.
3. Accountant will obtain Bank Statements from Bank at the end of each month and tally all collections with Bank Statement.
4. Accountant will make reconciliation statement if balance does not tally with the bank Statements.
5. No payment will be made out of this account.
6. Accountant will be responsible to get audit of the Accounts from Audit Department on monthly basis.
7. Accountant will put up the Balance sheet duly completed to Manager Billing at the end of the each month.
8. Manager Billing will put up the balance sheet duly endorsed with remarks to SGM(CS) for signature in first week of each month.

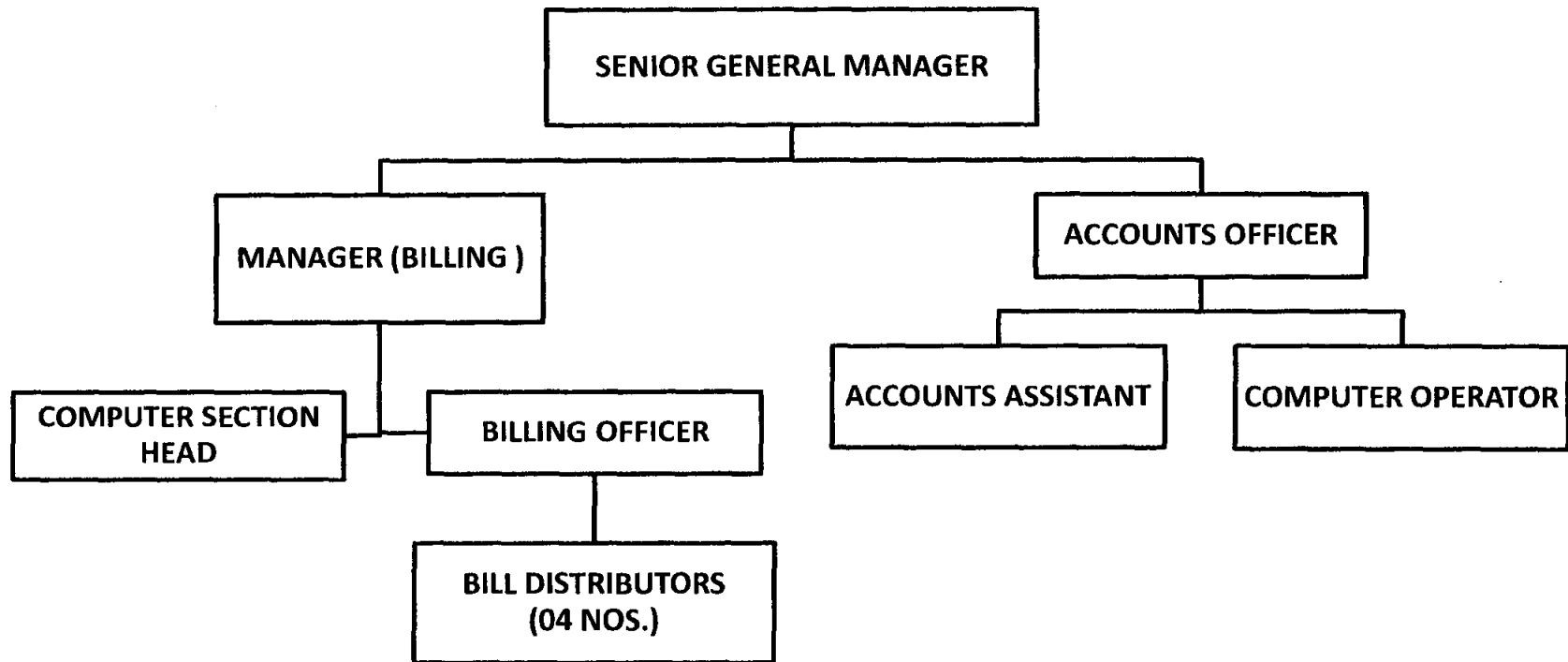
Bahria Town Lahore is managing billing and collections without any difficulty based upon modern digital static single phase meters, three phase meters and CT operated meters.

Being a compact service territory, with private setup and a lesser number of customers (approx. – 26000 Nos), there has not been any problem in metering or billing.

However, Bahria, in future, plans to introduce remote metering as a modern technology for customers where frequent and constant monitoring is needed.

ORGANIZATION CHART OF BILLING DEPARTMENT

BAHRIA TOWN LAHORE



ABILITY TO ACCESS CONSUMER METERING SYSTEMS AND OTHER SERVICES / EQUIPMENT

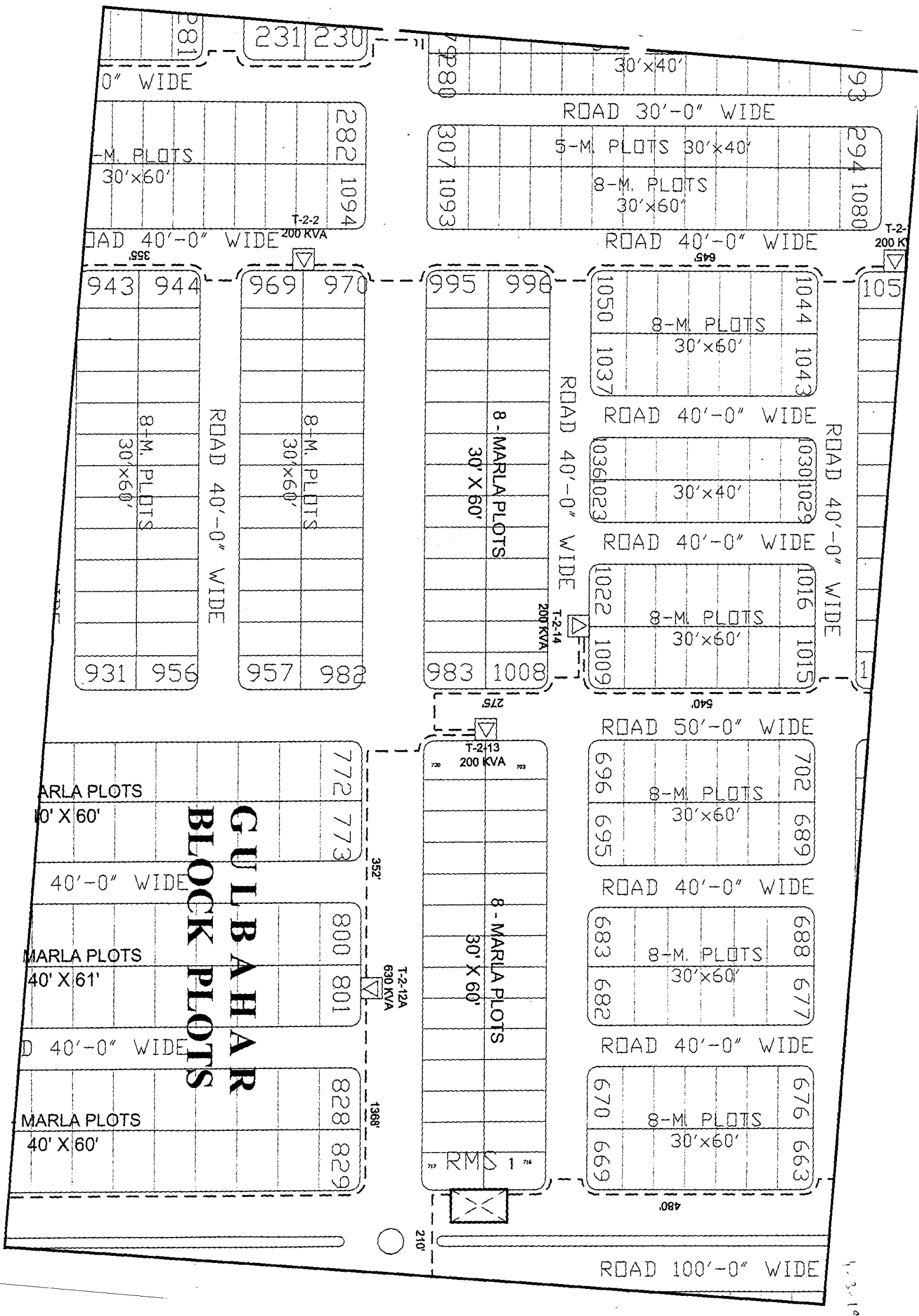
Bahria Town Lahore distribution network comprises of following components to provide quality supply of electrical energy to its customers.

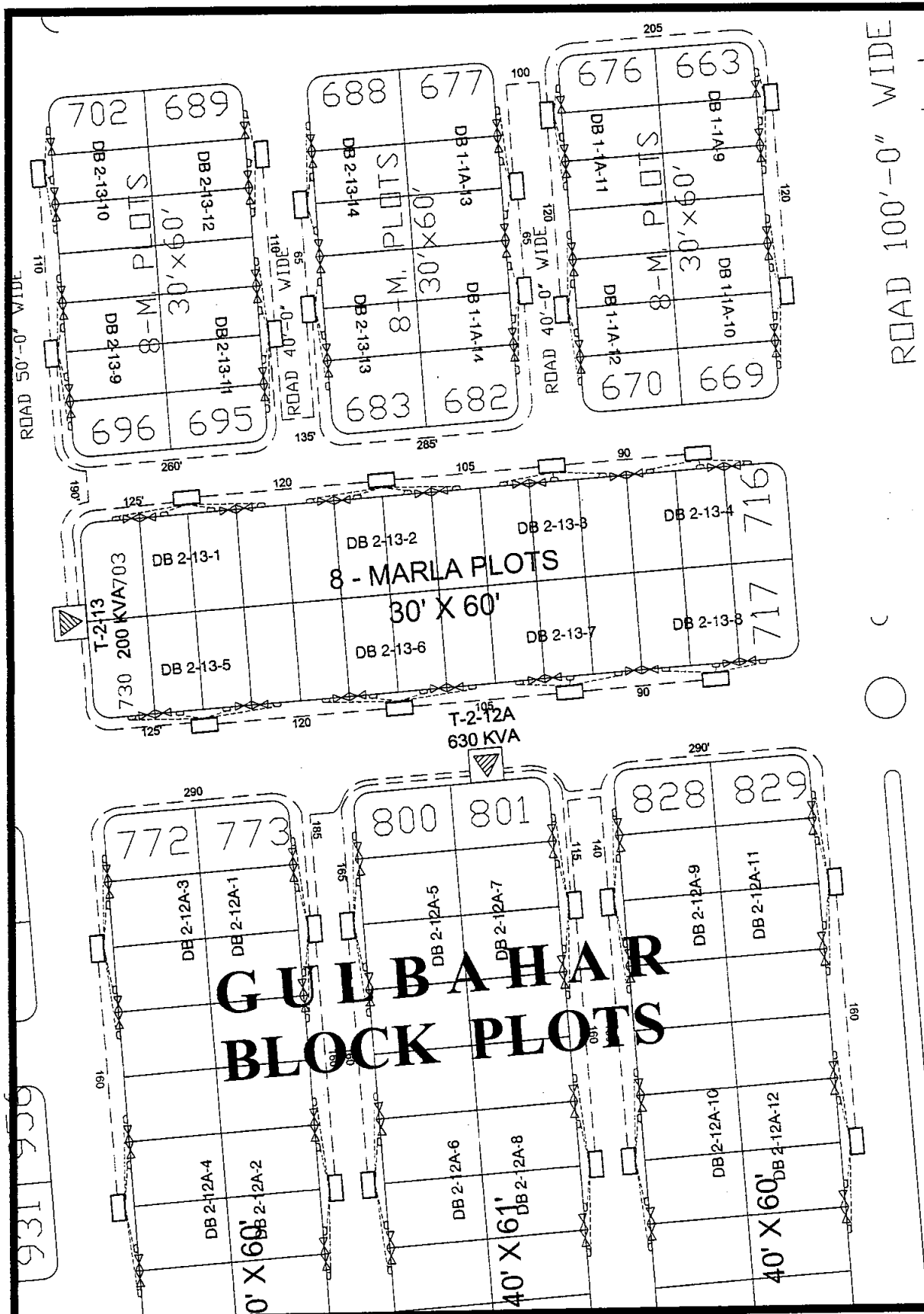
- 1) 11KV Feeders underground.
- 2) 11KV Ring Main Switches along walkways.
- 3) 11/0.4KV Pad Mounted Distribution Transformers along walkways.
- 4) LT Feeders underground from Transformers to Distribution Boxes installed along walkways.
- 5) Services Cables underground for each customer from Distribution Box to customer's residence gate.
- 6) Energy Meters installed at wall / pillar adjacent to gate on road / street side.

As such, there is no physical / legal issue in accessing to all meters / equipment for meter readings, maintenance or for any other development activity.

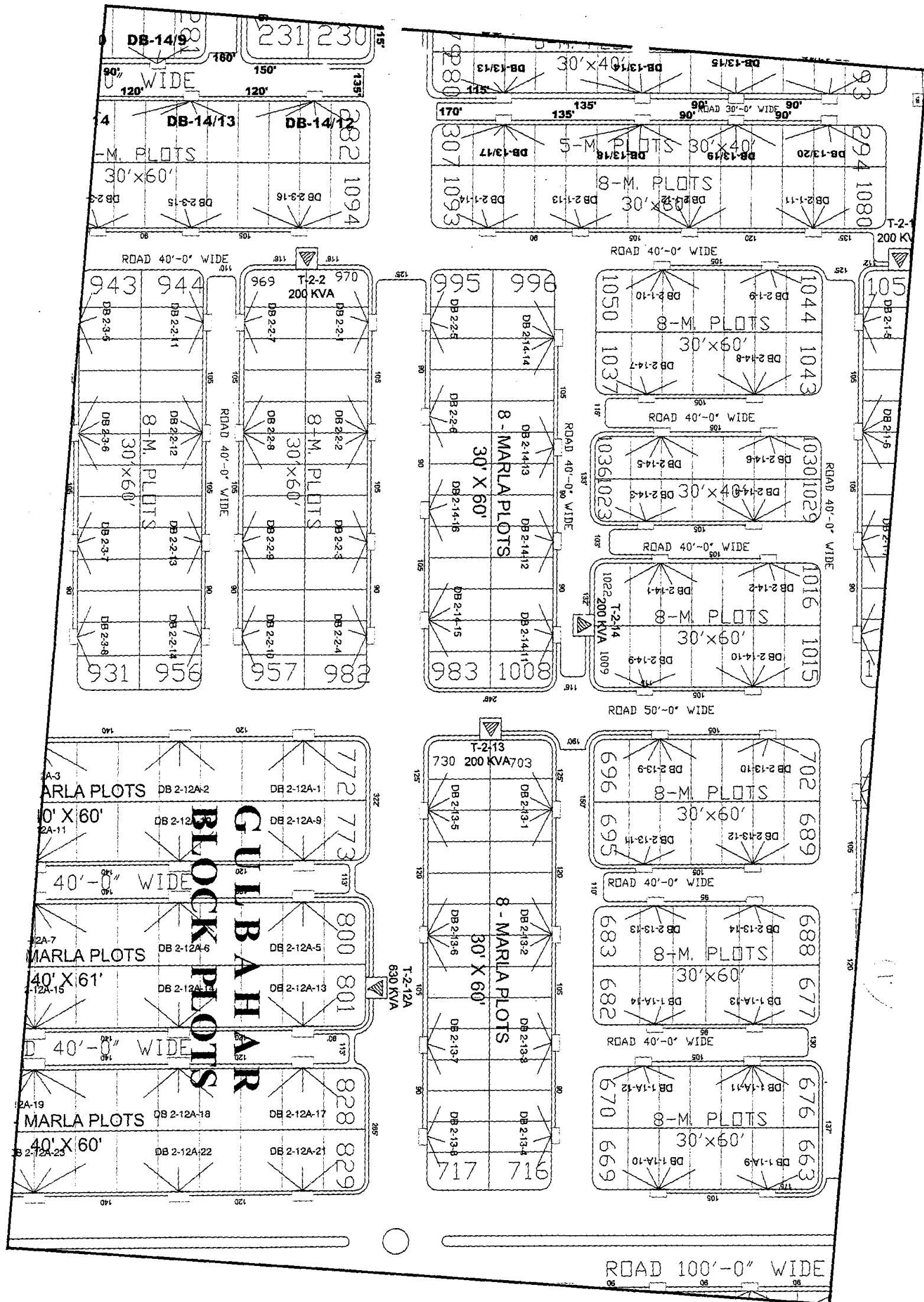
Due to Bahria's modern and futuristic town planning, corridors / spaces for services and equipment have been adequately and esthetically provided.

03 Nos. drawings (sections of distribution network) attached show the locations of all equipment like 11KV lines, RMU's, Transformers, DBs, services meters and clearly indicate accessibility to every equipment / meter by any means of transport for meter reading, attendance of faults, maintenance and development works.





LEGEND	
	PAD MOUNTED TRANSFORMER
	LT DISTRIBUTION BOX(DB)
	Under Ground main Cable
	Under Ground Service
	Meter



State of Consumers

(Jan 2024)

Sr.No.	Consumer Class/ Category	No.of Consumers
1	Residential	22586
2	Commercial	2891
3	Services	800
Total Consumers		26277

**DETAILS OF BASIS OF COMMON SERVICES FOR COMMERCIAL AND RESIDENTIAL
CONSUMERS AND THEIR ALLOCATION THEREOF**

Dated : 2-1-2024.

Sr. No.	Description	LOAD (In KW)
1	Parks, Zoo & Recreation Areas	1500
2	Disposals	4953
3	Water Supply	2610
4	Street Lights	3500
TOTAL		12,563

TYPE OF METERING SYSTEM

Bahria Town (Pvt.) Limited Lahore for the sake of transparency has been using energy meters with same specifications as those of other utility companies (DISCOS). As such, Bahria Town Lahore is procuring all energy meters from vendors which are prequalified by LESCO/WAPDA.

Bahria Town at present is using following type of energy meters which completely address Bahria / Resident's requirements under NEPRA's applicable tariffs.

- 1) Single Phase Static Meters.
- 2) Three Phase Static Meters.
- 3) CT Operated MDI Meters.

Bahria management through above energy meters is satisfactorily billing the residents / its customers without any problems / complaints due to Bahria's own dedicated billing section operating under a senior general manager.

Importantly the metering is in line with the tariffs applicable to customers approved by NEPRA for distribution of electricity in Bahria Town Lahore like other distribution companies.

However, at 132kV both grid stations, LESCO has installed MDI-CT operated metering systems which record energy (active and reactive) and maximum demand for billing to Bahria Town Lahore as bulk supply customer under tariff C3.

METERING AND TESTING FACILITIES

Bahria Town management is procuring energy meters from LESCO/WAPDA prequalified manufacturers and due to its manageable size of procurement, carries out testing / calibration and thus ensuring accuracy of all meters at manufacturer's premises before those are installed.

In fact all tests required like display indications, phase indications etc. are ensured at manufacturer's premises. Bahria Town takes utmost care in transportation of meters from manufacturer's premises to Bahria Town warehouse and further to places of installations to eliminate any chance of mishandling and subsequent malfunction.

Bahria management has in house facility of checking of meters in case a customer challenges the accuracy.

The in house facility to address the complaint easily detects the inaccuracy. But to satisfy the customers, Bahria Town metering section installs a calibrated check meter in series with the challenged / inaccurate meter to determine the difference in consumption over a period acceptable to customer and metering section.

Bahria Town Lahore is developing its own meter testing laboratory for complete meter testing arrangements which is likely to take one year.

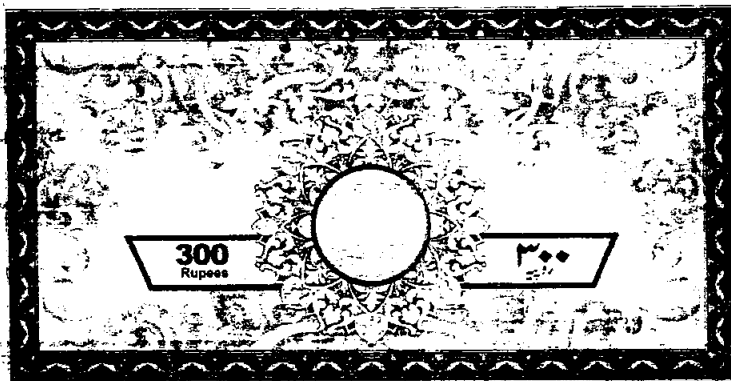
Currently Bahria Town Lahore is in agreement with M/s. Transfopower Industries (Pvt.) Ltd. Lahore who are providing meter testing facilities required for any meter reported malfunctioning for the satisfaction of Bahria's customers and in the interest of Bahria Town Lahore's accurate metering and billing programs (copy of the agreement is attached).

Once the meter is declared incorrect, it is replaced through meter change order format issued by Manager Customer Services with all details of old meter and new meter.

Likewise if a meter is reported / detected dead stop or slow, it is replaced through a meter change order generated by customer services section with all relevant details.

The format of meter change order is attached.

A007159



CONTRACT AGREEMENT

This **AGREEMENT** made at Lahore as of 15th day of March in the year 2019 by and between

Brig Bakhtiyawar Lal Hussain (Retd) Director Services, Bahria Town (Pvt) Limited
Lahore (Hereinafter called **OWNER** of the 1st part)

And

M/s Transfopower Industries (Pvt) Limited, Fifa Building Opposite Punjab Stadium, Main Ferozepur Road, Lahore, Head Office, 2-KM Katar Bund Road, Off Multan Road, Thokar Niaz Baig, Lahore (Hereinafter called **Manufacturer** on 2nd Part)

WITNESSED that **OWNER** and **MANUFACTURER** in consideration of the mutual covenants hereinafter set forth, agree as follows:-

ARTICLE - 1: SCOPE OF SERVICES:

M/s Transfopower shall provide testing facilities to Bahria Town Lahore on demand for all type of energy meters from Transfopower meter testing laboratories which are certified and equipped with all testing facilities for measurement of energy. Further-to, if at any time, Management of Bahria (Pvt) Ltd (Lahore) requires, M/s Transfopower shall also extend their mobile meter testing facility for any kind of meter testing in the jurisdiction/service territory of Bahria Town Lahore.

ARTICLE - 2: COST OF SERVICES:

M/s Transfopower shall be entitled to charge as following:-

- | | |
|---|---|
| (1) Meter testing for single phase meters | = Rs 100/- per meter
(Rupees one hundred only) |
| (2) Meter testing for three phase meters | = Rs 300/- per meter
(Rupees three hundred only) |
| (3) Meter testing for CT operated meters | = Rs 1,000/- per meter
(Rupees one thousand only) |
| (4) Meter testing for any type of meter
With mobile meter testing unit on site | = Rs 10,000/- per meter
(Rupees ten thousand only) |



Bakhtiyawar

ARTICLE - 3: Transportation and Provision of Results:

- (1) Transportation of meters to the workshop and back will be the responsibility of Part One except where testing on Site is recommended.
- (2) M/s Transfopower shall be obliged to provide meter testing results for each meter within three (03) working days on receipt of meters.

ARTICLE - 4: MODE OF PAYMENT:

M/s Transfopower shall raise the invoice for all meters received and tested at the end of every month whereas Bahria Town (Pvt) Ltd Lahore shall be obliged to make the payments within three (03) weeks of receipt of invoice.

ARTICLE - 5: PERIOD OF AGREEMENT:

The period of agreement shall be initially for twelve (12) months of signing of agreement as by that time Bahria Town Lahore shall establish its own meter testing facility. However, the agreement shall be extendable with the mutual understanding of both parties.

ARTICLE - 6: CONTACT PERSONS AND NOTICES:

All the notices are to be made from either party to the following nominees:-

- 6.1 From Manufacturer's Side:
Mr. Mian Nazim
Chief Operating Officer
M/s Transfopower Industries (Pvt) Ltd,
Head Office, 2-KM Katar Bund Road,
Off Multan Road, Thokar Niaz Baig,
Lahore
- 6.2 From Owner's Side
Engr Muhammad Shakil,
GM (Electrical Maintenance),
Alfalah Plaza, Executive Head Office
Bahria Town Mohlanwal, Lahore

(IN WITNESS WHEREOF the parties here to have executed this agreement the day, month and year first above written.

OWNER

For Bahria Town (Pvt) Limited



(Brig Bakhtiyar Latif Hussain Retd)
Director Services Bahria Town, Lahore

Witness:



MANUFACTURER

For Transfopower Industries (Pvt) Limited


Mian Nazim
Chief Operating Officer
2-KM Katar Bund Road, Off
Multan Road Thokar Niaz Baig,
Lahore

Witness:



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Lahore
- 6.2 **From Owner's Side**
Engr Muhammad Shakil,
GM (Electrical Maintenance),
Alfalah Plaza, Executive Head Office
Bahria Town Mohianwai, Lahore

IN WITNESS WHEREOF the parties here to have executed this agreement the day, month and year first above written.

OWNER

For Bahria Town (Pvt) Limited

Bakhtiyar
(Brig Bakhtiyar Lal Hussain Retd)
Director Services Bahria Town, Lahore

Witness:

**MANUFACTURER**

For Transfopower Industries (Pvt) Limited

Mian Nazim
Mian Nazim
Chief Operating Officer
2-KM Katar Bund Road, Off
Multan Road Thokar Niaz Baig,
Lahore

Witness:



PART-I
ELECTRICITY METER CHANGE ORDER

1. Connection order No. _____ Dated ____ / ____ /2019
2. Meter No. _____
3. House No. _____
4. Block _____
5. Sector. _____
6. Owner's Name _____
7. Type of connection = ☒ Domestic ☐ Commercial

During checking of Meter reading it found, that the meter installed in above mentioned House is not shown electricity consumption. Therefore the defected / dead meter is required to be changed as soon as possible.

SGM (CS) / Manager (CS)

PART - II
PARTICULARS OF METER

Old Meter

New Meter

1. Meter No. _____
2. Meter Reading _____ = _____ + _____ = _____ + _____
3. Date of Installation _____
4. Reason for Replacement _____
5. Meter Cost = _____ Yes / No

Date: _____

GM Electrical (Maintenance)

ANNEXURE VI

PROSPECTIVE & OPERATIONAL

DETAILS OF THE PROJECT

- A. PROCUREMENT PLAN FOR MEETING EXPECTED LOADS
- B. 12-MONTH PROJECTIONS ON EXPECTED LOAD, NUMBER OF CONSUMERS, AND EXPECTED SALE OF UNITS FOR EACH CONSUMER CATEGORY
- C. 5-YEAR INVESTMENT PLAN INDICATING SCHEMES/MODELS/Framework FOR UNDERTAKING SUPPLY OF ELECTRIC POWER
- D. TRAINING AND DEVELOPMENT PROCEDURES AND MANUALS
- E. CONSUMER SERVICE MANUAL
- F. EMERGENCY PROVISIONS AND PROTOCOLS
- G. AFFIDAVIT
- H. AUTHORIZED STATEMENT
- I. AFFIDAVIT

**PROCUREMENT PLAN FOR MEETING EXPECTED LOADS
INCLUDING OWN GENERATION AND OTHER LONG TERM AND
SHORT TERM PPAs**

Bahria Town at present is relying upon LESCO who have sanctioned 70MW power connection at tariff C3 under NEPRA's provisions through Bahria's own 132kV grid station Mohlanwal + 19.5 MW sanctioned load from 132kV grid Bahria Orchard.

To mitigate all the future load demands, Bahria Town Lahore has proposed a new grid station in Sector-F Mohlanwal with a capability of 2x40MVA power whose site has been inspected by LESCO board.

To meet the ultimate load demand of Bahria Town Lahore approx. 200MW in the distribution network, 40 feeders have been designed and proposed, out of which 12 feeders have been laid.

132kV Orchard grid station has been provided a space for 3rd and 4th bays and also a with enhancement to 80 MW to meet the total assessed load requirement.

As such, with extension of load from 40MW to 70 MW, Bahria Town's requirements shall be mitigated up to the year 2027.

Bahria Town is simultaneously considering the development of Coal / LNG based own power generation in the vicinity of their projects for the benefit of Bahria as well as consumers in accordance with NEPRA'S provisions.

12-Months Projections on Expected Load, Number of Consumers and Expected Sale of Units for Each Consumer Category

Month	Expected Load (in MW)	No. of Consumers				Sale of Units			
		Residential A1	Commercial A2	Services G	TOTAL	Residential A1	Commercial A2	Services G	TOTAL
Jan-24	18	22,586	2,891	800	26,277	5,887,493	2,634,077	1,611,264	10,132,833
Feb-24	15.75	22,880	2,929	810	26,619	4,912,940	2,207,419	1,354,729	8,475,089
Mar-24	19.15	23,177	2,967	821	26,965	6,535,697	2,948,321	1,816,319	11,300,337
Apr-24	28.97	23,478	3,005	832	27,315	9,474,455	4,295,122	2,659,630	16,429,207
May-24	48.03	23,784	3,044	842	27,670	13,763,792	6,265,360	3,894,019	23,923,171
Jun-24	49.61	24,021	3,075	853	27,950	14,933,870	6,826,550	4,270,987	26,031,408
Jul-24	53.22	24,334	3,115	864	28,313	16,722,353	7,668,649	4,820,344	29,211,346
Aug-24	54.87	24,650	3,155	876	28,681	16,368,110	7,539,811	4,755,401	28,663,321
Sep-24	40.98	24,970	3,196	887	29,054	13,420,382	6,209,057	3,929,851	23,559,291
Oct-24	34.36	25,295	3,238	899	29,431	8,673,687	4,030,918	2,565,886	15,270,491
Nov-24	21.85	25,624	3,280	910	29,814	6,200,734	2,892,241	1,848,946	10,941,921
Dec-24	21.57	25,957	3,322	922	30,202	6,494,192	3,043,203	1,952,009	11,489,404
Jan-25	20.33	26,294	3,366	934	30,594	6,323,034	2,974,087	1,915,678	11,212,798

05-YEAR INVESTMENT PLAN INDICATING SCHEMES / MODELS / FRAMEWORK FOR UNDERTAKING SUPPLY OF ELECTRIC POWER (INCLUDING FRAMEWORKS FOR PROVIDING NON-DISCRIMINATORY SERVICES AND ACQUISITION/SALE OF ASSETS IN RELEVANT SERVICE TERRITORIES)

Bahria Town management always keeps the future load projections in view regarding the demand of power and accordingly makes investments ahead to ensure the quality services for Bahria Town residents / consumers.

Bahria Town next 05 years load requirements are projected as following.

<u>S. No.</u>	<u>Year</u>	<u>Max. Loading</u>	<u>Remarks</u>
01	2023	50 MW	Already recorded in August 2023
02	2024	56 MW	Projected
03	2025	60 MW	Projected
04	2026	65 MW	Projected
05	2027	70 MW	Projected
06	2028	75 MW	projected

To address the immediate increase in coming summer i.e. year 2024 additional 31.5/40 MW power transformer is under installation at Mohlanwal grid, whereas in Orchards grid there is enough capacity available. For next five years. However, 02 transformer bays at Orchard grid station are kept spare to cater with all future total assessed load requirements.

For all future requirements at Mohlanwall (total assessed load) new 132 KV GIS grid station with 02x40MVA capacity is under approval with LESCO in F Block also with future availability of 02 power transformers.

To distribute load in future requirement for next 05 years, 20 New 11KV feeders have also been planned

<u>S. No.</u>	<u>Projects</u>	<u>Details</u>	<u>Amounts (in PKR)</u>
01	Extension in load application with LESCO approved by LESCO	From 40 MW to 70 MW	500 Million
02	132/11.5Kv new grid station in Sector-F	2x40 MVA capacity	1500 Million
03	Laying of 20 new 11KV feeders with 06 Nos. RMUs	To meet next 05 years load requirements	800 Million
Total			2800 Million

Note: Bahria Town has sold all plots in the service territory and has enough funds to mitigate all the expenses which are received in the shape of development charges from the plot owners at the time of purchase of plots.

TRAINING AND DEVELOPMENT PROCEDURES AND MANUALS

Bahria town management as a policy invests massively in development of power infrastructure for its residents / consumers.

To develop, operate and maintain, all key personnel who are selected and engaged to head different sections are highly trained, capable and experienced to accomplish Bahria Town policies in achieving excellence in services.

Likewise in Bahria Town Lahore, all senior management companies of engineers who are with 30 to 35 years experience of similar jobs.

Bahria Town management has introduced comprehensive SOP's for following sections to ensure quality of services as well as safety to staff, public and equipment.

- | | | |
|--|---|-----------------|
| <ul style="list-style-type: none">1) Development and Construction2) Operations3) Periodic and General Maintenance4) Billing | } | Copies attached |
|--|---|-----------------|

The staff is trained at the time of their induction and is well versed in the standard procedures before undertaking the job in the field. It is ensured by the respective managers that these SOP's are available in all sections and are followed in true letter and spirit.

For fresh inductions for the supervisory or lower positions, training manuals (as below) are available, with the help of those, all the new inductees are adequately trained with on job site trainings.

- | | | |
|---|---|-----------------|
| <ul style="list-style-type: none">1) Training Manual for Electrical Supervisor2) Training Manual for Electrician | } | Copies attached |
|---|---|-----------------|

Refresher training sessions are also conducted on periodic basis to improve the technical skills of the staff and also at the time of introduction of any new equipment in the electrical network.

Furthermore, weekly T&P parades are held for the safety of staff.

Briefing / debriefing sessions are essential part of all assignments before and after accomplishments of the tasks.

EXTERNAL ELECTRIFICATION SYSTEM
BAHRIA TOWN LAHORE.
(DEVELOPMENT AND CONSTRUCTION)
(SOP)

EXTERNAL ELECTRIFICATION SYSTEM BAHRIA TOWN LAHORE.
(DEVELOPMENT AND CONSTRUCTION)
STANDING OPERATING PROCEDURES (SOP)

The following procedures are introduced with immediate effect.

- 1- Town planning wing will prepare Town planning drawings of New Areas/ Project and provide to Chief Engineer Infrastructure / Chief Engineer (Electrical) for External Electrification System.
- 2- Chief Engineer (Electrical) will approach to Consultant for preparation of External Electrification system design of the area.
- 3- Consultant will prepare the External Electrification design of new area as per specification / criteria of LESCO and will hand over to Chief Engineer (Electrical) for execution of (Electrical) system.
- 4- Chief Engineer (Electrical) will get prepare the demand of material as per BOQ (Submitted by Consultants) and pass on to Chief Engineer (Infrastructure).
- 5- Chief Engineer infrastructure will arrange to place the P.O through Bahria Purchase Department.
- 6- Chief Engineer (Electrical) will ensure the availability of material in store.
- 7- Work orders shall be issued by Chief Engineer (Electrical) for carrying out the jobs through Manager (Development) to construction crews indicating the details of excavation works, foundations of equipment and their installations.
- 8- Manager Construction section will take the work in hand and prepare the schedule for execution of work and send to Chief Engineer (Electrical) for approval.
- 9- Supervisor Construction section will prepare the S.R and get signed from his Manager and submit to Chief Engineer (Electrical) for approval.
 - a) The Drawing section of Chief Engineer (Electrical) will make the entries of S.R with quantities and value in the register being maintained in this section work-wise with BOQ and get the S.R approved by Chief Engineer (Electrical).
 - b) Supervisor Construction will submit the approved S.R to store keeper and store keeper will make entries in the respective columns of S.R for issued material with value. First copy of S.R will be retained by the store keeper in his office and second copy will be sent to Drawing Section of Chief Engineer (Electrical) for recording any change in material demanded and issued with value. The third copy will remain with Supervisor Construction.
 - c) The Supervisor Construction will stock the issued material in his site store.

10-The Supervisor Construction will carry out the construction work of (Electrical) system as per approval schedule and in the following phases.

The phase of prescribed checks of Civil Construction works will be as under:

- (i) Construction of Foundation for Pad mounting Transformers, RMS's, DB's, foundation for street light poles etc; will be carried out by the Construction Supervisor and quality of the concrete work will be checked by the construction staff by exercising the prescribed checks as under:

Supervisor	-	100%
Manager	-	20%
C.E (Electrical)	-	10%
- (ii) The quality control of excavation of trenches, size of trenches, laying of HT / LT cables, sand cushions, installation of bricks, Layers / laying warning tapes and 95% compaction of back filling will be ensured by exercising same prescribed checks as stated under para 9 (i).
- (iii) Installation of equipment like Transformers, RMU's, DB's and 11 KV Switch Boxes with proper placement, terminations, earthing etc and prescribed %age checks by the staff / Manager / Chief Engineer (Electrical) is the same as in proceeding para. Over and above, Q.C.O will also carry out their prescribed checks to ensure the quality of work at every stage.

- 11- Manager Construction Section is 100% responsible for implementation of design at site and Chief Engineer (Electrical) will exercise the prescribed checks for quality control.
- 12- The progress of the work will be reviewed by the Chief Engineer (Electrical) on weekly basis and informing the Administration accordingly.
- 13- On completion of work, the Supervisor Construction will record the entries of material drawn and utilized at site for the work with value. The Manager Construction will carryout 100% check of material installed at site for the work and Chief Engineer (Electrical) will ensure the said check and counter sign the verification of complete documents of Manager Construction.
- 14- Construction crew through Manager (Development) shall submit request for shutdown / energization of newly developed network to Manager (O&M) with details as. results of laid down cables (meggered), earthing results of equipment installed and as built drawings. Construction crews shall provide 03 days time to operational staff for their own checks / proceeds.

- 15- The Construction section will finally prepare the handing over papers with as built drawing and the system will be taken over by Manager (O&M) after satisfying himself regarding design, quantity and quality of the work under intimation to Chief Engineer (Electrical).
- 16- Material Utilized to be informed to drawing section for record / correction.
- 17- Excess material be returned to store or transferred to other work (s) with the approval of Chief Engineer (Electrical).

BAHRIA TOWN
LAHORE

TRAINING MANUAL

FOR

ELECTRICAL
SUPERVISOR

BAHRIA TOWN (PVT) LIMITED,
MOHLANWAL MULTAN ROAD,
LAHORE.

INTRODUCTION

The Electrical Supervisor is main technical person who is supervising skilled staff comprising of electricians, foremen and helpers. He is directly reporting to senior engineers and is also responsible for maintaining documentation and registers of all the works.

This training manual is required to give Electrical Supervisors working in Bahria Town (Pvt) Ltd. Lahore Distribution System Operation and Maintenance department an over view of basic elements of electrical network and equipment and difficulties normally encountered in their day to day performance of duties.

The purpose of this training manual is to give the trainees basic knowledge of their duties and to train them to perform their duties diligently, safely and in proper and efficient manner.

TABLE OF CONTENTS

Chapter -01 :	Role of Electrical Supervisor
Chapter -02 :	Basic Electricity Terms and their use
Chapter -03 :	Distribution System of Electrical Power
Chapter -04 :	Electrical System Equipment
Chapter -05 :	Earthing System
Chapter -06 :	Tools and Plant (T&P) Equipment
Chapter -07 :	Loading and Unloading of Material
Chapter -08 :	Distribution System Planning
Chapter -09 :	Identification of Cause of Circuit Outage
Chapter -10:	Technical Description of Important Equipment
Chapter -11:	Maintenance of Distribution System
Chapter -12:	Safety and Safety Equipment
Chapter -13:	Fire Prevention and Extinguishing

CHAPTER - 1

ROLE OF ELECTRICAL SUPERVISOR:

Electrical supervisor is an important technical person in the field. He is incharge and supervisor of feeder construction, operation and maintenance staff. He represents the face of Bahria Town services to the general consumer. He has a complete knowledge of distribution network / equipment and T&P items and their proper use. He also ensures that all the work on electrical equipment is done according to equipment O&M manuals and company's safety code.

DUTIES AND RESPONSIBILITIES:

Installation, operation, maintenance of electrical equipment and planning, supervision and inspection of construction work of HT/LT feeders are among the responsibilities of Electrical Supervisor. In addition, he is also responsible for energization / reclosing of HT feeders and LT feeders.

Important Duties / Responsibilities:

In execution of his duties the electrical supervisor reports to Assistant Manager Electrical and is responsible for the following:

- 1) Safety procedures are followed by line staff.
- 2) Training of sub-ordinate line staff such as electricians.
- 3) Use of various testing and measuring instruments such as volt meter, ammeter and voltage detector, if required.
- 4) Regular patrolling of electrical network and to attend the site in case of fault.
- 5) Use of earthing for safety purposes in case of working on un-energized equipment in the network.
- 6) Sizing of fuses and LT cable conductors.
- 7) Maintenance and supervision of use of T&P items.
- 8) Use and operation of earthing resistance tester and megger tester.

Behavior with Consumers:

The electrical supervisor should all the time behave responsibly and courteously with complainant consumers. He should be an example to his subordinate staff in this respect. He should not harass the consumers and try to attend complaint in a pleasant manner.

CHAPTER - 2

BASIC ELECTRICITY TERMS AND THEIR USAGE:

Conductor:

Material which allows electric current to pass through it easily.

Insulator:

Material which provides resistance to electric current and does not allow electric current to pass through it.

Current:

Flow of electrons is called "current". Its unit is ampere. It is of two types, direct current and alternating current.

Voltage:

It is the pressure which causes flow of electrons. Its unit is volts.

Resistance:

It is opposition to flow of electron. Its unit is ohm. Resistance is inversely proportional to diameter of conductor.

Frequency:

No. of waves passing through a given point per second is called frequency. Its unit is Hz.

Circuit:

The path of flow of electric current which it follows from one terminal of electrical source to the other terminal.

Ohm's Law:

This law states that current is directly proportional to voltage, if temperature is constant.

Current Generation:

When a conductor is moved in a magnetic field, voltage is produced which causes current to flow if the circuit is closed. The more the numbers of magnetic field lines are cut, the more voltage will be generated. This is the basic principle of electrical generator.

CHAPTER - 3

DISTRIBUTION SYSTEM OF ELECTRICAL POWER:

The electrical distribution system is single (01) phase and three (03) phase. In single phase one line (phase) and one neutral is used. The single phase voltage is 230 Volt. In three phase system there are three nos. 400 volts lines (phases) and one neutral. Neutral is normally solidly earthed. They are normally identified as red, yellow and blue with neutral either black or white. This helps in making correct connections.

HUMAN BODY AS CONDUCTOR:

Human body is a good conductor of electricity. Current passing through the body can cause severe shock, unconsciousness, burns or even death. 60 volt or 0.1 amp passing through body can be fatal. Presence of water or moisture increases the conductivity and therefore extra precautions are required in case of rain or wet floor etc.

MEASURING AND TESTING INSTRUMENTS:

Earth Resistance Tester:

It is used to measure the resistance of earth electrodes, neutral, earth continuity and electric seals. It can measure from 0.01Ω to 9990Ω .

Earth resistance tester consists of permanent magnet, moving coil, hand operated AC generator and a resistance meter all enclosed in a steel housing.

Method of Measurement:

Minimum voltage reading is selected and also possible range for voltage is selected. Meter is set at zero (0) and reading is observed after application of voltage.

Insulation Resistance Tester (Megger):

It is used to measure insulation resistance of electric lines, cables, motors, generators and other electrical equipment.

It consists of hand operated HV DC generator equipped with centrifugal device which rotates the rotor of generator at a constant speed and gives a constant voltage output.

Method of Measurement:

The electrical equipment to be checked should be completely discharged and away from any other electrical or magnetic field before applying the megger. The handle should be rotated slowly and then speed should be gradually increased. The insulation resistance reading should be noted.

Volt Meter:

Volt meter is used to measure the voltage of electric supply.

Method of Measurement:

Volt meter terminals are connected to the terminals of the electrical equipment at which the voltage is to be measured. The volt meter is in parallel with the electric supply. The reading is noted from the volt meter dial.

Ampere Meter:

Ampere meter is used to measure the current in electric circuit.

Method of Measurement:

Ampere meter is connected in series with the circuit where the current is to be measured. The current reading is noted from the ampere meter dial.

Clip On Meter:

Since the ampere meter has to be connected in series with the circuit to be measured it needs disconnecting of current circuit for installing the ampere meter. With clip on meter current can be measured without disconnecting the circuit, only the clip on meter is clipped on the conductor and the reading is observed on dial. This is the most commonly used ampere meter for measurement of current.

Energy Meter:

It measures the consumed energy of electrical load / circuit. Electrical energy has the formula $\text{volt} \times \text{current} \times \text{power factor} \times \text{time}$. Its unit is watt hour. 1000 watt is called one (01) KW hour. One (01) KW hour is also called one unit. The electricity consumers are billed according to the units consumed.

The energy meter is connected with electric supply circuit to measure the electricity units in its dial register cumulatively.

CHAPTER - 4

ELECTRICAL SYSTEM EQUIPMENT:

PAD MOUNTED TRANSFORMER:

The pad mounted transformers in Bahria Town distribution system are 11KV/400 Volt transformers. Alongside pad mounted transformers, 11KV load break switches, HRC fuses and LT switches for feeder protection are installed in the same package unit. This equipment is enclosed in a metal housing and installed on concrete pad. Pad mounted transformers are available in 200KVA, 400KVA and 630KVA and even in bigger ratings.

HT / LT POWER CABLES AND LT DISTRIBUTION BOXES:

HT Power Cables:

The HT cables are XLPE insulated, stranded aluminum conductor, armoured power cables suitable for operation at 11KV voltage. The cables are rated for operation up to 15KV 50Hz, three phase system. The cable are normally directly buried or installed in duct bank. The ambient temperature range is -10°C to 50°C. The conductor is stranded aluminum and covered by semi conducting layer. The insulation of cable is made of cross linked polyethylene. The insulation is applied over the semi conducting layer. A black PVC sheath is applied over the copper shielding and fits tightly over it.

The construction of individual cores of three core cable is same as for single core cable except that overall sheath is applied over the combined three cores.

The cores are identified with colors on the semi conducting tape of the core.

Cable Laying:

The cables are laid either direct buried, in trenches or in duct banks. At road crossing duct banks are used. Spare ducts are normally used at crossings to avoid re-digging for future cable laying. The ducts not used are plugged. The cable should not rest upon sharp edges at the end of duct. Indicated cable routes are marked on drawings which are separately provided and should be available with the electrical supervisor of the area.

If the direction change is necessary the radius of bend may not be less than the twice the diameter of cable drum or 20 times the diameter of cable.

No cable trenches or holes are left unprotected in open state at any time without completing the job and refilling them. When cable laying or fault removal work is going on suitable warning signals should be exhibited.

Normally markers are located at point where joint boxes are located and markers are also provided at regular intervals of 50 meters or when route changes directions.

Termination of 11KV Cable:

The termination of 11KV Cable are of pre molded, cold, heat shrinkable and slip on type for indoor and outdoor use. These terminations are suitable for quick and easy installations and maintaining safety of staff and equipment. Indoor terminations shall be made in pad mounted steel enclosure and switch gear panels. The terminations, tee and straight joints suitable for continuous operation at an ambient temperature of 50°C and for conductor operating temperature of 90°C. Terminations shall be made in pad mounted steel enclosures where condensation is likely to occur. Tee and straight joints are suitable for direct burial or installation in ducts.

Power cable shall be terminated using proper size cable lugs and as per manufacturer's instructions. A protective covering is use for insulated core. A tube or pre molded cone having specified electrical properties are provided over insulated cores. A suitable tubing for enclosing and sealing the prepared lug for indoor and outdoor terminations is used.

Indoor terminations are provided with lugs. Outdoor terminations are provided with sleeves and connectors.

LT Power Cables:

LT cables from transformers to distribution box and consumer service cables are PVC insulated aluminum conductor cables. The cable is suitable for operation up to 1000 Volts 50 Hz in three (03) Phase Neutral earthed system. The cables can be direct buried or installed in ducts. The maximum ambient temperature can be up to 50°C.

The individual core of cables below 25mm sq has circular stranded cross sections while cables having higher diameters can be either circular or shaped cross section.

The cables are laid in directly / trenches / ducts. The drawings of cables routes should be available with electrical supervisor incharge of the area.

Cables are terminated in switch board or connection point using suitable glands. The cables are secured by means of cable cleats to maintain required spacing. The cores of multi core cables are colored red, yellow, green or black.

Cable jointing is made using heat shrinkable cable splices and terminations kits suitable for aluminum conductor LT cables. Cable joints are available in complete kit form with all materials and components including compression type connectors and lugs required to complete the installation. Heat shrinkable tubing coated with hot melt adhesive is used to seal the ferrules to PVC insulation. Mechanical strength and electrical continuity of steel wire armour is checked after the jointing. Armour is clamped to the wire armour, using worm drive armour clamps.

LT Distribution Boxes:

LT three phase distribution boxes are used for making connections of underground services to underground LT mains. The distribution boxes are three phase four wire for voltage rating 415/240 Volt. The ambient temperature is 55°C. Inside the distribution box hard drawn, extruded aluminum bus bars are used. Terminal lugs are used to connect each service box with 300mm sq PVC service cable.

This distribution box enables each service connection to be switched off separately in case of fault or selective disconnections. The distribution boxes are installed on concrete foundations with proper earthing of the box.

CHAPTER - 5

EARTHING SYSTEM:

The purpose of earthing system is to safeguard the public as well as the distribution network. It helps in smooth operation of the system. The LT neutral earth provides the path to fault current to ground. Thus the fuse or disconnecting breakers operate and faulty portion is isolated.

The following electrical equipment in a distribution network is earthed.

- 1) Distribution transformers tank and neutral.
- 2) RMU enclosures
- 3) Distribution boxes
- 4) Capacitor Bank, body and neutral
- 5) Common transformer and consumer neutral

For earthing of transformer and earth electrode of MS galvanized earth rod ten (10) feet long is hammered into ground. The rod is connected to the earth by means of a connector. The no. of rods installed at earthing point depends on earth resistance. The earth resistance at any point in the system shall not exceed 2.5Ω .

CHAPTER - 6

TOOLS AND PLANT (T&P) EQUIPMENT:

The electrical supervisor should have a complete knowledge of all T&P items which are used in the operation and maintenance of electrical systems. For every work suitable tool should be used, which will help in getting the work done quickly and efficiently. Also he should know the proper storage methods.

The tools are categorized according to their use such as earth digging tools, testing tools, measurement tools, safety tools, cable pulling/cutting tools, transformer installation tools etc.

Digging Tools:

- Earth Digger
- Pick Axe
- Shovel
- Spade
- Tamping Bar
- Hammer & Chisel

Testing Tools:

- Earth Resistance Tester
- Volt Meter
- Ampere Meter
- High Voltage Detector
- Clip On Volt & Ampere Meters
- Ground Sets
- Insulation Oil Tester
- Insulation Resistance Tester (Megger)

Safety Tools:

- Rubber Gloves
- Safety Belts
- Safety Helmets
- Safety Goggles
- Leather Gloves
- First Aid Kit
- Face Shield
- Safety Shoes
- Bags for Safety Items

Mechanized Tools:

Winch
Fork Lifter
Power Auger
Line Derrick
Bucket Truck

Misc. Tools:

Saw Pruner
Hand Saw
Wood Chisel
Cold Chisel
Pair of Pliers
Fuse Puller
Drill Machine & Bits
Screw Drivers
Adjustable Wrench
Spanner Set
Axe
Hand Shearer
Emergency Light
Insulation Tape
Warning Tape
Paint Brush
Oil & Grease
Warning Sign
Complete First Aid Kit
Rasps
Wire Brush
Stop Watch
Ladder
Hydraulic Compression Tools
Cuffing Hoist

STORAGE OF T&P TOOLS:**Rubber Gloves:**

Gloves should be kept in cold and dry place in summer. After usage the gloves should be cleaned, talcum powder or chalk should be applied and kept in the glove box. The gloves should be kept away from sharp or pointed metallic edges.

Safety Belts:

Sunshine, humidity and dust should be avoided. The safety belts should be kept away from sharp or pointed metallic edges. The belt should be inspected daily by the user.

Manila Rope:

It should be cleaned after every use. If the rope is wet it should be dried before storing. Also avoid extreme heat and water. The rope should be checked every month.

Earth Tester & Megger:

Earth tester and megger should be discharged after every use by shorting the testing wires.

CHAPTER - 7

LOADING AND UNLOADING OF MATERIAL:

This includes the loading and unloading electrical material or trailers / trucks / pickups. Before starting the loading of material, proper planning, safety precautions and basic knowledge of type of material being loaded or unloaded is required. Every type of material has a proper place of storage on the truck / trailer etc. This helps in distributing the weights for heavy items. Loading should be according to the maximum loading limit of the vehicle.

An item list should be prepared of loaded materials.

Small items should be loaded and stored separately so that they can be reached easily.

The breakable items such as insulators should be kept separate from hard materials. All heavy items should be tied with truck.

Insulating material, T&P items etc. should be covered with tarpaulin to safeguard against weather conditions.

No material should protrude out of truck or trailer. All transport rule and regulation should be followed on road. There should be no loose material which can roll out of truck.

In case of non-availability of crane, fork lifter etc. skids should be used and heavy material should be supported with ropes.

At the time of unloading trailer / truck should be parked at hard surface and brakes should be applied and stoppers placed at the wheels.

It is better that heavy material and equipment is unloaded with the help of cranes and hoists etc. Lifting jacks should be used for lifting the material and equipment. The jacks should be of proper capacity and working order.

For material of large diameters, rollers should be used for dragging and shifting purposes. For this rail can also be laid on ground to shift the material.

The loading / unloading staff should have proper gloves, safety shoes, safety helmets, safety glasses etc. to avoid any accident or mishap. The staff should take precaution that while lifting heavy material it should not be beyond body capacity which can cause damaged to material or bodily harm to the person.

CHAPTER - 8

DISTRIBUTION SYSTEM PLANNING:

The Electric Supervisor should have some basic knowledge of planning of a distribution network. The distribution system planning should ensure that the network has least interruptions in power supply and their duration is minimal. For this purpose the following should be considered.

- In case of maximum and minimum load, no part of distribution system should be damaged.
- All consumers should get the power supply at guaranteed system voltage.
- In case of fault, least number of consumers and minimum area is affected.
- Financial savings should be kept in view while planning of a distribution network.
- In case of increase in demand the power supply should be made available in a most economical way.

In medium and short term planning the following should be our priority.

- The system is to be operated at optimum capacity.
- The energy losses are minimized.
- Proper load planning and load management is done.
- Innovative solutions are adopted. Any new solution is to be properly analyzed before implementation.
- Modern and latest techniques are adopted in the distribution network.

Limits of Distribution Planning:

The distribution network should operate within acceptable and specified limits and parameters.

Grid Stations:

No. of HT feeders in a grid station should be at least equal or more than the no. of feeders required to meet maximum demand of the consumers of the planned area. Each individual feeder loading should not exceed the allowable loading limit.

Thermal Capacity:

The maximum current carrying capacity of each electrical equipment is called thermal capacity. The various equipment used in distribution system such as transformers, switches, re-closers have a rating rate on which the maximum loading limit is indicated. However, during planning phase the engineer decides the acceptable overload conditions of each equipment according to ambient temperature, environmental conditions and system requirements.

Voltage Drop Limits:

In a distribution circuit voltage drop occurs due to loading conditions. At the time of peak loading the minimum voltage should be 230 Volts at the consumer end. The distribution company has to ensure that voltage variation is within +/- 5% limit from grid station up to the consumer end.

In case the voltage drop is exceeded the load on the one circuit is shifted to another circuit or capacitors are installed.

The load on all phases of three phase system should be balanced. Sometimes in order to improve the voltage level the 11KV cable of higher capacity has to be used.

In case of flicker in voltage, initially the consumer electrical gadgets should be checked if they are working properly, the electrical supervisor should check the incoming distribution system.

When heavy motors or machinery are switched on the system there is drop in voltage and when they are switched off there is rise in voltage.

The distribution transformers are manufactured according to specifications so that when operating on rated load their temperature rise is in 55°-75° range. The electrical loading of transformers depends on the impedance rating. The normal impedance value of a distribution transformer is 4%. The transformers are able to carry more loads during winter as compared to summer due to less ambient temperatures.

When deciding the capacity of transformer it should be kept in view the expected loading for next five years.

CHAPTER - 9

IDENTIFICATION OF CAUSE OF CIRCUIT OUTAGE:

The electrical supervisor is expected to immediately identify the cause of outage of any circuit due to electrical fault. He should be able to pin point the location of faulty portion, arrange alternate source of supply and do the planning of sectionalizing.

The following are most common causes of circuit outages.

- 1) Over voltage
- 2) Over current due to short circuit
- 3) Weather conditions such as stalls, rain, snowfall etc.
- 4) Accident of vehicles with electrical network equipment
- 5) System overload

For line staff working on faulty area, temporary earthing is to be provided for safety of personnel.

CHAPTER - 10

TECHNICAL DESCRIPTION OF IMPORTANT EQUIPMENT

DISTRIBUTION TRANSFORMER:

Distribution transformer is generally used in electrical power distribution system. The power rating is normally determined by the type of cooling methods the transformer may use. Some commonly used method of cooling is by using oil. Ampere rating is increased in a distribution transformer by increasing the size of the primary and secondary windings.

Following are the main components of a distribution transformer.

- 1) Steel tank
- 2) Transformer core
- 3) Primary and secondary windings
- 4) Temperature gauge
- 5) Pressure relief valve
- 6) Oil drain valve
- 7) HT and LT Bushings
- 8) Oil gauge
- 9) Silica gel breather

Transformer should be earthed after installation. After completion of earthing the earth resistivity is to be checked with help of earth tester. The transformer loading on each phase should be balanced after energization.

The transformer is protected by fuses or switches on HT side. On LT Side also, switches are used to disconnect the LT circuit.

Calculation of Current in a Transformer:

The current in a transformer can be calculated by following formula.

$$I_p = KVA \times 1000 / 11000 \times \sqrt{3}$$

For example 200KVA transformer shall have the following currents.

$$I_p \text{ (primary current)} = 200 \times 1000 / 11000 \times \sqrt{3} = 10.497$$

$$I_s \text{ (Secondary current)} = 200 \times 1000 / 415 \times \sqrt{3} = 278.25$$

Transformer Losses:

Due to transformer impedance, losses occur in the transformer which are as follows.

- 1) Copper losses.
- 2) Core or iron losses
 - i) Eddy current losses
 - ii) Hysteresis losses

ENERGY METERS:

Energy meter is used to record the energy consumed in kilo watt hours. The important components of energy meter are:

Meter base
Meter cover
Meter frame
Earth terminals
Terminal blocks
Current coil
Voltage coil

Auxiliary components such as:

KWH / KVARH register
Relays
Turn coil
Impulse counter

The energy meters can be mechanical type or digital type. Presentably digital type energy meters are mostly commonly used in the distribution system.

Principle of Energy Meter:

The current and voltage are multiplied with help of magnetic fields produced by voltage and current coils. The time factor is also considered by accumulating the movement produced by these coils over a time period.

Types of Energy Meter:

The following are commonly use types of energy meters.

- 1) Single phase energy meter
- 2) Three phase energy meter
- 3) CT operated energy meter
- 4) Maximum demand indicating energy meters (MDI)

CHAPTER - 11

MAINTENANCE OF DISTRIBUTION SYSTEM:

The main purpose of maintenance of distribution system is:

- Reduce the duration of outage of distribution network.
- Increase the life span of electrical equipment used.
- Increase the operational efficiency of electrical system
- Prompt rectification of faults.

Maintenance of the distribution system can be categorized as:

Regular Maintenance:

This maintenance of distribution network is carried out according to pre-scheduled plan. This is normally done during the time when the load on system is less. All defective / polluted / damaged items in the electrical network are identified and replaced with new items. This maintenance avoids the major breakdown during peak loads and saves lot of future financial losses.

The electrical supervisor is incharge for making the planned scheduled for regular maintenance.

He has to perform maintenance in such a way that maximum benefits are received by this exercise. Maintenance of LT feeders should be done at the same time when the maintenance of that particular transformer is performed.

The earthing of all electrical equipment installed in distribution system should be checked during maintenance. The electrical supervisor should be present at site during maintenance to ensure that the staff is doing the work in a proper manner and is observing all the safety precautions.

The transformer should be checked for the following:

- Oil level
- Bushings
- Arching horn distance
- Tightening of connections
- Checking of electrical load on transformer during peak load
- Balancing of transformer load
- Enclosure conditions
- Enclosure insulation
- Earthing of neutral and transformer body

The RMU should be checked for the following:

- Overloading of switches
- Operation of switches under load conditions
- Contacts to be cleaned
- Worn out contacts to be replaced
- Earthing of enclosures

The HT and LT cables should be checked for the following:

- Leakage of cable terminations
- Physical condition of terminations
- Tightening of clamps
- Damage of service cables.

Emergency Maintenance:

This maintenance is carried out when a breakdown has occurred in the system and after fault removal it is to be ensured that similar fault does not happen again.

In case of any emergency such as fault in underground cable the electrical supervisor shall carry out the route survey using the fault detecting equipment.

CHAPTER-12:

SAFETY AND SAFETY EQUIPMENT:

Safety of each person in the organization of the company is very important. Every employee should know the safety rules.

The electrical supervisor should have complete knowledge of major causes of electrical accident.

Every circuit and equipment will be taken as energized unless it is disconnected and earth. Prevention of accidents means both fatal accidents and injuries are prevented.

Purpose of Safety:

The purpose of safety is to avoid accidents which cause death or injury to company's staff, public, animals or caused to damage to company's or public property.

Target of Safety:

All distribution, construction and maintenance work of electrical network should be carried out safely.

Safe environment is to be created for working. Safety equipment and T&P are to be made available all the time to the line staff.

All field staff is to be trained for importance of safety.

Basic Rules of Safety:

- The following basic rules of safety are to be followed by electrical supervisor.
- Take care of your co-workers as you take care of your family members.
 - For any work being performed you should be able to communicate the safety requirements of this work to your staff.
 - During replacement of electrical equipment / devices, get advice from experienced person in this equipment.
 - Encourage your staff to consult senior and experienced co-workers for safety guidelines.
 - New workers should be acquainted with safety rules before being put on the job.
 - Get your safety instructions to workers implemented strictly.
 - All accidents or near-misses, even small are to be reported to manager.
 - Set example by yourself following the safety rules.
 - Cooperate with safety department staff.
 - Make safety a part of your private life also.

AVOIDING ACCIDENTS:

- Avoid unsafe act.
- Avoid unsafe conditions.

DUTIES OF ELECTRICAL SUPERVISOR FOR SAFETY:

- To arrange safety T&P for line staff.
- To create safe conditions of work.
- To keep safety T&P in good condition.
- To brief the line staff about the job before starting the work.
- Monthly safety T&P drill.
- To ensure implementation of safety instructions by the staff.
- To ensure that line staff is following safety rules before, during and after the work.
- To ensure correct use of safety T&P.
- To train new workers in safety rules.
- To inform concerned department / personnel in case of any accident.
- To find the cause of any accidents and submit report to higher authority.

SAFETY TOOLS & PLANTS (T&P) / EQUIPMENT:

- Safety helmet.
- Safety rubber gloves
- Bag for safety gloves
- Leather protective gloves
- Safety belt
- Safety goggles
- Safety shoes
- First aid box
- Fire extinguisher
- Water bucket
- Danger / warning signs

CHAPTER-13:

FIRE PREVENTION AND EXTINGUISHING:

The electrical supervisor should implement an effective fire prevention routine for his work area. He should have a basic knowledge of methods of fire extinguishing and firefighting equipment.

TYPES OF FIRE:

There are four (04) types of fire.

Type-A:

Fire of combustible items e.g wood, cloth, paper etc.

Type-B:

Fire of highly inflammable items e.g oil, petrol, grease etc.

Type-C:

Fire of highly inflammable gases.

Type-D:

Electrical fire

FIRE FIGHTING EQUIPMENT:

- Handheld or portable fire extinguisher.
- Trolley mounted fire extinguisher.
- Spade
- Ladder
- Face shield
- Eye wash
- Safety helmet
- Leather gloves
- Fire hoses
- Mega phone
- Fire water vehicle

METHOD OF USE OF FIRE EXTINGUISHER:

- Fire extinguisher is to be held in vertical position.
- Remove the safety clip
- Press the lever or strike the knob according to fire extinguisher type
- Fire extinguisher should not be directed towards a person.
- If fire is due to electric short circuit, switch off the electric supply.
- Continue operating the fire extinguisher directed towards base of fire.
- Fire extinguisher should be controlled from handle and not from pipe.
- Stand at safe distance from fire in direction of wind flow.
- When fire is extinguished the extinguisher should be turned upside down to finish the remaining pressure.

BAHRIA TOWN
LAHORE

TRAINING MANUAL
FOR
ELECTRICIAN

BAHRIA TOWN (PVT) LIMITED,
MOHLANWAL MULTAN ROAD,
LAHORE.

INTRODUCTION

The Electrician is main technically skilled person in the field who is responsible for executing operation and maintenance work.

This training manual is required to give Electricians working in Bahria Town (Pvt) Ltd. Lahore distribution system operation and maintenance department a concise view of basic elements of electrical network and equipment normally encountered in their day to day performance of duties under the supervision of Electrical Supervisor.

The purpose of this training manual is to give the trainees basic knowledge of their duties and to train them to perform their duties diligently, safely and in proper and efficient manner.

The nature of Electrician work is mostly manual and working directly on the equipment. This requires that he is trained in safety rules and regulations and has necessary basic technical knowledge.

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Chapter -07 :	Loading and Unloading of Material
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Chapter -10:	Maintenance of Distribution System
Chapter -11:	Safety and Safety Equipment
Chapter -12:	Fire Prevention and Extinguishing

CHAPTER – 1

ROLE OF ELECTRICIAN

Electrician is an important technically skilled person in the field. He works under the supervision of Electrical Supervisor. He has a good knowledge of distribution network / equipment and T&P items and their proper use. He actually performs the work manually on electrical equipment in the distribution network according to company's safety code.

DUTIES AND RESPONSIBILITIES:

Installation, operation, maintenance of electrical equipment of HT/LT feeders are major responsibilities of Electrician. In addition he carries out energization / reclosing of HT feeders and LT feeders. He also attends the faults in the distribution network.

Important Duties / Responsibilities:

In execution of his duties the Electrician reports to Electrical Supervisor and is responsible for the following:

- 1) Safety procedures are followed by him.
- 2) Use of volt meter, ammeter and voltage detector, if required.
- 3) Regular patrolling of electrical network and to attend the site in case of fault.
- 4) Use of earthing for safety purposes in case of working on un-energized equipment in the network.
- 5) Maintenance of T&P items.
- 6) Operation of earthing resistance tester and megger tester.

Behavior with Consumers:

The Electrician all the time should behave responsibly and courteously with complainant consumers. He should not harass the consumers and try to attend complaint in a pleasant manner.

CHAPTER - 2

BASIC ELECTRICITY TERMS AND THEIR USAGE:

Conductor:

Material which allows electric current to pass through it easily.

Insulator:

Material which provides resistance to electric current and does not allow electric current to pass through it.

Current:

Flow of electrons is called "current". Its unit is ampere. It is of two types, direct current and alternating current.

Voltage:

It is the pressure which causes flow of electrons. Its unit is volts.

Resistance:

It is opposition to flow of electron. Its unit is ohm. Resistance is inversely proportional to diameter of conductor.

Frequency:

No. of waves passing through a given point per second is called frequency. Its unit is Hz.

Circuit:

The path of flow of electric current which it follows from one terminal of electrical source to the other terminal.

Apparatus:

All electrical equipment related to distribution network such as transformers, switches, cables etc.

Permit to Work (PTW):

It is permit given by authorized person to work on electrical system.

High Tension:

This is the system which has a voltage rating of 11KV.

Low Tension:

This is the system which has a voltage rating of 230/400 Volt.

CHAPTER - 3

DISTRIBUTION SYSTEM OF ELECTRICAL POWER:

The electrical distribution system is single (01) phase and three (03) phase. In single phase one line (phase) and one neutral is used. The single phase voltage is 230 Volt. In three phase system there are three nos. 400 volts lines (phases) and one neutral. Neutral is normally solidly earthed. They are normally identified as red, yellow and blue with neutral either black or white. This helps in making correct connections.

MEASURING AND TESTING INSTRUMENTS:

Earth Resistance Tester:

It is used to measure the resistance of earth electrodes, neutral, earth continuity and electric seals. It can measure from 0.01 Ω to 9990 Ω .

Earth resistance tester consists of permanent magnet, moving coil, hand operated AC generated and a resistance meter all enclosed in a steel housing.

Method of Measurement:

Minimum voltage reading is selected and also possible range for voltage is selected. Meter is set at zero (0) and reading is observed after application of voltage.

Insulation Resistance Tester (Megger):

It is used to measure insulation resistance of electric lines, cables, motors, generators and other electrical equipment.

It consists of hand operated HV DC generator equipped with centrifugal device which rotates the rotor of generator at a constant speed and gives a constant voltage output.

Method of Measurement:

The electrical equipment to be checked should be completely discharged and away from any other electrical or magnetic field before applying the megger. The handle should be rotated slowly and then speed should be gradually increased. The insulation resistance reading should be noted.

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The cables are laid either direct buried, in trenches or in duct banks. At road crossing duct banks are used. Spares ducts are normally used at crossings to avoid re-digging for future cable laying. The ducts not used are plugged. The cable should not rest upon sharp edges at the end of duct. Indicated cable routes are marked on drawings which are separately provided and should be available with the electrical supervisor of the area.

If the direction change is necessary the radius of bend may not be less than the twice the diameter of cable drum or 20 times the diameter of cable.

No cable trenches or holes are left unprotected in open state at any time without completing the job and refilling them. When cable laying or fault removal work is going on suitable warning signals should be exhibited.

Normally markers are located at point where joint boxes are located and markers are also provided at regular intervals of 50 meters or when route changes directions.

Termination of 11KV Cable:

The termination of 11KV Cable are of pre molded, cold, heat shrinkable and slip on type for indoor and outdoor use. These terminations are suitable for quick and easy installations and maintaining safety of staff and equipment. Indoor terminations shall be made in pad mounted steel enclosure and switch gear panels. The terminations, tee and straight joints suitable for continuous operation at an ambient temperature of 50°C and for conductor operating temperature of 90°C. Terminations shall be made in pad mounted steel enclosures where condensation is likely to occur. Tee and straight joints are suitable for direct burial or installation in ducts.

Power cable shall be terminated using proper size cable lugs and as per manufacturer's instructions. A protective covering is use for insulated core. A tube or pre molded cone having specified electrical properties are provided over insulated cores. A suitable tubing for enclosing and sealing the prepared lug for indoor and outdoor terminations is used.

Indoor terminations are provided with lugs. Outdoor terminations are provided with sleeves and connectors.

LT Power Cables:

LT cables from transformers to distribution box and consumer service cables are PVC insulated aluminum conductor cables. The cable is suitable for operation up to 1000 Volts 50 Hz in three (03) Phase Neutral earthed system. The cables can be direct buried or installed in ducts. The maximum ambient temperature can be up to 50°C.

The individual core of cables below 25mm sq has circular stranded cross sections while cables having higher diameters can be either circular or shaped cross section.

The cables are laid in directly / trenches / ducts. The drawings of cables routes should be available with electrical supervisor incharge of the area.

Cables are terminated in switch board or connection point using suitable glands. The cables are secured by means of cable cleats to maintain required spacing. The cores of multi core cables are colored red, yellow, green or black.

Cable jointing is made using heat shrinkable cable splices and terminations kits suitable for aluminum conductor LT cables. Cable joints are available in complete kit form with all materials and components including compression type connectors and lugs required to complete the installation. Heat shrinkable tubing coated with hot melt adhesive is used to seal the ferrules to PVC insulation. Mechanical strength and electrical continuity of steel wire armour is checked after the jointing. Armour is clamped to the wire armour, using worm drive armour clamps.

LT Distribution Boxes:

LT three phase distribution boxes are used for making connections of underground services to underground LT mains. The distribution boxes are three phase four wire for voltage rating 415/240 Volt. The ambient temperature is 55°C. Inside the distribution box hard drawn, extruded aluminum bus bars are used. Terminal lugs are used to connect each service box with 300mm sq PVC service cable.

This distribution box enables each service connection to be switched off separately in case of fault or selective disconnections. The distribution boxes are installed on concrete foundations with proper earthing of the box.

CHAPTER - 5

EARTHING SYSTEM:

The purpose of earthing system is to safeguard the public as well as the distribution network. It helps in smooth operation of the system. The LT neutral earth provides the path to fault current to ground. Thus the fuse or disconnecting breakers operate and faulty portion is isolated.

The following electrical equipment in a distribution network is earthed.

- 1) Distribution transformers tank and neutral.
- 2) RMU enclosures
- 3) Distribution boxes
- 4) Capacitor Bank, body and neutral
- 5) Common transformer and consumer neutral

For earthing of transformer and earth electrode of MS galvanized earth rod ten (10) feet long is hammered into ground. The rod is connected to the earth by means of a connector. The no. of rods installed at earthing point depends on earth resistance. The earth resistance at any point in the system shall not exceed 2.5Ω .

CHAPTER - 6

TOOLS AND PLANT (T&P) EQUIPMENT:

The Electrician should have a good knowledge of all T&P items which are used in the operation and maintenance of electrical systems. For every work suitable tool should be used which will help in getting the work done quickly and efficiently. Also he should know the proper storage methods.

The tools are categorized according to their use such as earth digging tools, testing tools, measurement tools, safety tools, cable pulling/cutting tools, transformer installation tools etc.

Digging Tools:

Earth Digger
Pick Axe
Shovel
Spade
Tamping Bar
Hammer & Chisel

Testing Tools:

Earth Resistance Tester
Volt Meter
Ampere Meter
High Voltage Detector
Clip On Volt & Ampere Meters
Ground Sets
Insulation Oil Tester
Insulation Resistance Tester (Megger)

Safety Tools:

Rubber Gloves
Safety Belts
Safety Helmets
Safety Goggles
Leather Gloves
First Aid Kit
Face Shield
Safety Shoes
Bags for Safety Items

Mechanized Tools:

Winch
Fork Lifter
Power Auger
Line Derrick
Bucket Truck

Misc. Tools:

Saw Pruner
Hand Saw
Wood Chisel
Cold Chisel
Pair of Pliers
Fuse Puller
Drill Machine & Bits
Screw Drivers
Adjustable Wrench
Spanner Set
Axe
Hand Shearer
Emergency Light
Insulation Tape
Warning Tape
Paint Brush
Oil & Grease
Warning Sign
Complete First Aid Kit
Rasps
Wire Brush
Stop Watch
Ladder
Hydraulic Compression Tools
Cuffing Hoist

STORAGE OF T&P TOOLS:**Rubber Gloves:**

Gloves should be kept in cold and dry place in summer. After usage the gloves should be cleaned, talcum powder or chalk should be applied and kept in the glove box. The gloves should be kept away from sharp or pointed metallic edges.

Safety Belts:

Sunshine, humidity and dust should be avoided. The safety belts should be kept away from sharp or pointed metallic edges. The belt should be inspected daily by the user.

Manila Rope:

It should be cleaned after every use. If the rope is wet it should be dried before storing. Also avoid extreme heat and water. The rope should be checked every month.

Earth Tester & Megger:

Earth tester and megger should be discharged after every use by shorting the testing wires.

CHAPTER - 7

LOADING AND UNLOADING OF MATERIAL:

This includes the loading and unloading electrical material or trailers / trucks / pickups. Before starting the loading of material proper planning precautions, safety and basic knowledge of type of material being loaded or unloaded is required. Every type of material has a proper place of storage on the truck / trailer etc. This helps in distributing the weights for heavy items. Loading should be according to the maximum loading limit of the vehicle.

Small items should be loaded and stored separately so that they can be reached easily.

The breakable items such as insulators should be kept separate from hard materials. All heavy items should be tied with truck.

Insulating material, T&P items etc. should be covered with tarpaulin to safeguard against weather conditions.

No material should protrude out of truck or trailer. All transport rule and regulation should be followed on road. There should be no loose material which can roll out of truck.

In case of non-availability of crane, fork lifter etc. skids should be used and heavy material should be supported with ropes.

At the time of unloading trailer / truck should be parked at hard surface and brakes should be applied and stoppers placed at the wheels.

It is better that heavy material and equipment is unloaded with the help of cranes and hoists etc. Lifting jacks should be used for lifting the material and equipment. The jacks should be of proper capacity and working order.

For material of large diameters, rollers should be used for dragging and shifting purposes. For this rail can also be laid on ground to shift the material.

The loading / unloading staff should have proper gloves, safety shoes, safety helmets, safety glasses etc. to avoid any accident or mishap. The staff should take precaution that while lifting heavy material it should not be beyond body capacity which can cause damaged to material or bodily harm to the person.

CHAPTER - 8

IDENTIFICATION OF CAUSE OF CIRCUIT OUTAGE:

The Electrician is expected to immediately identify the cause of outage of any circuit due to electrical fault.

The following are most common causes of circuit outages.

- 1) Over voltage
- 2) Over current due to short circuit
- 3) Weather conditions such as storms, rain, snowfall etc.
- 4) Accident of vehicles with electrical network equipment
- 5) System overload

For line staff working on faulty area, temporary earthing is to be provided for safety of personnel.

CHAPTER - 9

TECHNICAL DESCRIPTION OF IMPORTANT EQUIPMENT

DISTRIBUTION TRANSFORMER:

Distribution transformer is generally used in electrical power distribution system. The power rating is normally determined by the type of cooling methods the transformer may use. Some commonly used method of cooling is by using oil. Ampere rating is increased in a distribution transformer by increasing the size of the primary and secondary windings.

Following are the main components of a distribution transformer.

- 1) Steel tank
- 2) Transformer core
- 3) Primary and secondary windings
- 4) Temperature gauge
- 5) Pressure relief valve
- 6) Oil drain valve
- 7) HT and LT Bushings
- 8) Oil gauge
- 9) Silica gel breather

Transformer should be earthed after installation after completion of earthing the earth resistivity is to be checked with help of earth tester. The transformer loading on each phase should be balanced after energization.

The transformer is protected by fuses or switches on HT side. On LT Side also, switches are used to disconnect the LT circuit.

ENERGY METERS:

Energy meter is used to record the energy consumed in kilo watt hours. The important components of energy meter are:

Meter base
Meter cover
Meter frame
Earth terminals
Terminal blocks
Current coil
Voltage coil

Auxiliary components such as:

KWH / KVARH register

Relays

Turn coil

Impulse counter

The energy meters can be mechanical type or digital type. Presently digital type energy meters are mostly commonly used in the distribution system.

Types of Energy Meters:

The following are commonly use types of energy meters.

- 1) Single phase energy meter
- 2) Three phase energy meter
- 3) CT energy meter
- 4) Maximum Demand Indicating Energy Meter (MDI)

CHAPTER - 10

MAINTENANCE OF DISTRIBUTION SYSTEM:

The main purpose of maintenance of distribution system is:

- Reduce the duration of outage of distribution network.
- Increase the life span of electrical equipment used.
- Increase the operational efficiency of electrical system
- Prompt rectification of faults.

Maintenance of the distribution system can be categorized as:

Regular Maintenance:

This maintenance of distribution network is carried out according to pre-scheduled plan. This is normally done during the time when the load on system is less. All defective / polluted / damaged items in the electrical network are identified and replaced with new items. This maintenance avoids the major breakdown during peak loads and saves lot of future financial losses.

The Electrician is assigned the task by electrical supervisor according to planned scheduled for regular maintenance.

The earthing of all electrical equipment installed in distribution system should be carried out during maintenance. It is to be ensured that maintenance work is done in a proper manner and all the safety precautions are followed.

The transformer should be checked for the following:

- Oil level
- Bushings
- Arching horn distance
- Tightening of connections
- Checking of electrical load on transformer during peak load
- Balancing of transformer load
- Enclosure conditions
- Enclosure insulation
- Earthing of neutral and transformer body

The RMU should be checked for the following:

- Overloading of switches
- Operation of switches under load conditions
- Contacts to be cleaned
- Worn out contacts to be replaced
- Earthing of enclosures

The HT and LT cables should be checked for the following:

- Leakage of cable terminations
- Physical condition of terminations
- Tightening of clamps
- Damage of service cables.

Emergency Maintenance:

This maintenance is carried out when a breakdown has occurred in the system and after fault removal it is to be ensured that similar fault does not happen again.

In case of any emergency such as fault in underground cable the Electrician shall carry out the route survey under supervision of Electrical Supervisor / Team Leader.

CHAPTER - 11

SAFETY AND SAFETY EQUIPMENT:

Safety of each person in the organization of the company is very important. Every employee should know the safety rules.

The Electrician should have good knowledge of major causes of electrical accident.

Every circuit and equipment will be taken as energized unless it is disconnected and earth. Prevention of accidents means both fatal accidents and injuries are prevented.

Purpose of Safety:

The purpose of safety is to avoid accidents which cause death or injury to company's staff, public, animals or caused to damage to company's or public property.

Target of Safety:

All distribution construction and maintenance work of electrical network should be carried out safely.

Safe environment is to be created for working. Safety equipment and T&P should be available with electrician all the time.

Basic Rules of Safety:

The following basic rules of safety are to be followed by Electrician.

- Take care of your co-workers as you take care of your family members.
- During replacement of electrical equipment / devices, get advice from experienced person in this equipment.
- All accidents or near-misses even small or to be reported to seniors.
- Set example by yourself following the safety rules.
- Cooperate with safety department staff.
- Make safety a part of your private life also.

Avoiding Accidents:

- Avoid unsafe act.
- Avoid unsafe conditions.

Duties of Electrician for Safety:

- To work in safe conditions.
- To keep safety T&P in good condition.
- To get briefing from Electrical Supervisor / Team Leader about the job before starting the work.
- To participate in monthly safety T&P drill.
- To follow safety instructions given by Electrical Supervisor.
- Correct use of safety T&P.
- To inform concerned department / personnel in case of any accident.

Safety Tools & Plants (T&P) / Equipment:

- Safety helmet.
- Safety rubber gloves
- Bag for safety gloves
- Leather protective gloves
- Safety belt
- Safety goggles
- Safety shoes
- First aid box
- Fire extinguisher
- Water bucket
- Danger / warning signs

CHAPTER - 12

FIRE PREVENTION AND EXTINGUISHING:

Electrician should have a basic knowledge of methods of fire extinguishing and firefighting equipment.

Types of Fire:

There are four (04) types of fire.

Type-A:

Fire of combustible items e.g wood, cloth, paper etc.

Type-B:

Fire of highly inflammable items e.g oil, petrol, grease etc.

Type-C:

Fire of highly inflammable gases.

Type-D:

Electrical fire

Fire Fighting Equipment:

- Handheld or portable fire extinguisher.
- Trolley mounted fire extinguisher.
- Spade
- Ladder
- Face shield
- Eye wash
- Safety helmet
- Leather gloves
- Fire hoses
- Mega phone
- Fire water vehicle

Method of use of Fire Extinguisher:

- Fire extinguisher is to be held in vertical position.
- Remove the safety clip
- Press the lever or strike the knob according to fire extinguisher type
- Fire extinguisher should not be directed towards a person.
- If fire is due to electric short circuit, switch off the electric supply.
- Continue operating the fire extinguisher directed towards base of fire.
- Fire extinguisher should be controlled from handle and not from pipe.
- Stand at safe distance from fire in direction of wind flow.
- When fire is extinguished the extinguisher should be turned upside down to finish the remaining pressure.

EMERGENCY PROVISIONS AND PROTOCOLS

In order to maintain the continuity of power supply, Bahria Town Lahore has established complaint center which works round the clock.

The staff deputed is on shift basis and complaint office contact numbers are printed on energy bills for contacts in case of failure of supply / any query.

The complaint staff is well equipped with all T&P items, vehicles and safety equipment.

Bahria management has introduced a software which enables the complaints to contact the site crew of that area directly through the complaint office contact numbers and the site crew attends the complaint satisfactorily.

In case of any major fault, faulty area is isolated but the supply to affected area is restored immediately by the complaint staff through alternate routes by operating Ring Main Switches / MCCBs at transformers which are incorporated in the distribution network. Therefore, the supply to any area is not affected even in case of any major fault.

The complaint staff after restoration of supply assigns the job to rectify the fault to maintenance supervisor who with maintenance staff immediately takes over the assignment, being well equipped with cable fault detectors, other T&P items, spares and material.

Minimum levels of spares / material are always ensured which are available to staff at any time.

Stock balance status on 29-12-2023 is attached (one page important items summary with detailed inventories).

Bahria Town Lahore has established its own fire brigade station in Safari Villas (within service territory) which is well equipped with three (03) Nos. most modern fire vehicles alongwith all other equipment and 19 fully trained personnel.

It is capable to reach any place within three (03) minutes in case of emergency due to fire at grid station or any other electric installation.

In case of an emergent situation caused due to main supply failure, Bahria Town electrical staff switches on the standby diesel generator sets as per demand. The total capacity of standby diesel generator sets is sufficient to meet Bahria Town's important loading requirements.

Bahria Town Lahore Electrical stock

Important Items Summary as on 29-12-2023

Sr No	Description	Unit	Quantity Available
1	HT Cables	Mtrs	3664
2	LT Cables	Mtrs	6027
3	RMUs	Nos	9
4	Distribution Boxes	Nos	172
5	HT/LT Termination Kits	Nos	326
6	EFI Indicators	Nos	Nil
7	Transformers	Nos	25
8	3 Phase Energy Meters	Nos	715
9	Single Phase Energy Meters	Nos	45
10	Bi-Directional Meters	Nos	250

Main Store Lahore

Serial#	Item No.	Decription	Unit	Current Qty
1	04/02/01/0001	BEND PVC CUNDUITE 3/4"	NO	64.00
2	04/02/01/0003	BEND PVC CUNDUITE 1"	NO	1,294.00
3	04/02/01/0004	BEND PVC CUNDUITE 1-1/4"	NO	4,395.00
4	04/02/01/0007	BEND PVC CUNDUITE 3"	NO	478.00
5	04/02/01/0008	BEND PVC CUNDUITE 4"	NO	176.00
6	04/03/01/0001	SOCKET PVC CUNDUITE 1/2"	NO	66.00
7	04/03/01/0002	SOCKET PVC CUNDUITE 3/4"	NO	290.00
8	04/03/01/0006	SOCKET PVC CUNDUITE 2"	NO	40.00
9	04/03/01/0007	SOCKET PVC CUNDUITE 3"	NO	3,662.00
10	04/03/01/0008	SOCKET PVC CUNDUITE 4"	NO	137.00
11	04/04/01/0001	JUNCTION BOX 3/4"X1-1/2"	NO	225.00
12	04/04/01/0002	JUNCTION BOX 3/4"X3"	NO	2,510.00
13	04/04/01/0005	JUNCTION BOX 1"X3"	NO	1,836.00
14	04/04/01/0008	JUNCTION BOX 1-1/2"X1-1/4"	NO	107.00
15	04/04/01/0013	JUNCTION BOX 3/4" (4 WAY)	NO	1.00
16	04/04/02/0001	CIELING LIGHT BOX 3"	NO	62.00
17	04/04/02/0003	CIELING LIGHT BOX 4"X6"	NO	47.00
18	04/04/03/0001	BOX PLASTIC SWITCH KID SMALL 2-1/2" * 4"	NO	123.00
19	04/04/03/0002	BOX PLASTIC SWITCH KID LARG 2-1/2" * 6"	NO	586.00
20	04/04/03/0003	BOX PLASTIC SWITCH KID TV-TP	NO	1,133.00

Main Store Lahore

Serial#	Item No.	Decription	Unit	Current Qty
21	04/04/03/0013	BOX PVC 4" X 4"	NO	11.00
22	04/04/05/0006	BOX PLASTIC 6 GANG IMPORTED	NO	609.00
23	04/04/05/0007	BOX PLASTIC 3 GANG IMPORTED	NO	243.00
24	04/04/06/0007	BOX WOODEN 10" X 10" X 14"	NO	129.00
25	04/04/07/0001	BOX MS SMALL 3" X 3"	NO	133.00
26	04/04/08/0007	FAN BOX GI 6"	NO	5.00
27	04/04/08/0009	FAN BOX PVC 6"	NO	8.00
28	04/04/11/0005	BOX GI 4 FEET X 30"	NO	2.00
29	04/04/11/0006	BOX GI FOR STREET LIGHT POLE	NO	20.00
30	04/05/01/0002	TEE PVC 3/4"	NO	99.00
31	04/06/01/0001	ELBOW PVC 3/4"	NO	16.00
32	04/06/01/0007	ELBOW PVC 1-1/4"	NO	36.00
33	04/07/01/0001	CABLE 1/44 S/C GREEN	MTR	90.00
34	04/07/02/0001	CABLE 3/29 (1.5MM) S/C BLACK	MTR	90.00
35	04/07/02/0004	CABLE 3/29 (1.5MM) S/C RED	MTR	360.00
36	04/07/06/0001	CABLE 7/29 (2.5 MM) TWO CORE	MTR	386.00
37	04/07/08/0001	CABLE 7/36 2CORE	MTR	27.00
38	04/07/09/0010	CABLE 4MM 2 CORE COPPER FLEXIABLE	MTR	90.00
39	04/07/10/0002	CABLE 7/29 (2.5 MM) 16 CORE	MTR	152.00
40	04/07/10/0005	CABLE 2.5MM 4-CORE COPPER	MTR	90.00

Main Store Lahore

Serial#	Item No.	Decription	Unit	Current Qty
41	04/07/11/0001	CABLE 7/44 S/C BLACK (6 MM)	MTR	90.00
42	04/07/11/0003	CABLE 7/44 S/C RED (6 MM)	MTR	47.00
43	04/07/11/0008	CABLE 6MM 2-CORE FLEXIBLE	MTR	90.00
44	04/07/17/0002	CABLE TELEPHONE 2 PAIR	MTR	270.00
45	04/07/20/0001	CABLE 240MM S/C ALUMINIUM	MTR	84.00
46	04/07/23/0002	CABLE 500MM S/C XLPE ALUMINIUM	MTR	114.00
47	04/07/24/0002	CABLE 25 MM S/C COPPER	MTR	15.00
48	04/07/28/0002	CABLE 70 MM S/C COPPER	MTR	398.00
49	04/07/29/0001	CABLE 70MM 4CORE COPPER	MTR	67.00
50	04/07/29/0005	CABLE 70MM 3-CORE COPPER	MTR	67.00
51	04/07/30/0003	CABLE 120 MM S/C COPPER	MTR	80.00
52	04/07/32/0001	CABLE 35MM 4CORE COPPER	MTR	11.00
53	04/07/32/0008	CABLE 35 MM 3-CORE COPPER	MTR	52.00
54	04/07/37/0002	CABLE 185 MM 4CORE COPPER	MTR	146.00
55	04/07/41/0002	CABLE RG-7	MTR	90.00
56	04/07/51/0004	CABLE 300MM S/C COPPER	MTR	417.60
57	04/07/62/0001	FIBER CABLE	MTR	134.00
58	04/07/65/0006	CABLE 1MM SINGLE CORE FLEXIBLE	MTR	90.00
59	04/09/01/0003	TAPE II-T	NO	64.00
60	04/10/01/0001	THIMBLE 6MM	NO	196.00

Main Store Lahore

Serial#	Item No.	Decription	Unit	Current Qty
61	04/10/01/0003	THIMBLE 16MM	NO	88.00
62	04/10/01/0005	THIMBLE 35MM	NO	64.00
63	04/10/01/0007	THIMBLE 70MM	NO	265.00
64	04/10/01/0011	THIMBLE 185 MM	NO	164.00
65	04/10/01/0015	THIMBLE 500MM	NO	86.00
66	04/10/01/0016	THIMBLE 300MM	NO	253.00
67	04/12/01/0003	BULB 100 WATT	NO	4.00
68	04/12/01/0004	BULB 125 WATT	NO	16.00
69	04/12/01/0008	BULB 250 WATT	NO	2.00
70	04/12/01/0009	BULB 400 WATT	NO	7.00
71	04/12/01/0014	BULB 12 WATT	NO	8.00
72	04/12/01/0017	BULB 70 WATT	NO	23.00
73	04/12/01/0020	BULB FOR BEGA LIGHT 250 WATT	NO	9.00
74	04/12/01/0021	BULB FOR BEGA LIGHT 26 WATT	NO	8.00
75	04/12/01/0022	BULB FOR BEGA LIGHT 35 WATT	NO	2.00
76	04/12/01/0023	BULB FOR BEGA LIGHT 400 WATT	NO	8.00
77	04/12/02/0008	BULB FOR SPOT LIGHT MR-16	NO	86.00
78	04/12/02/0009	BULB FOR SPOT LIGHT MR-11	NO	48.00
79	04/12/08/0001	SPOT LIGHT 2"	NO	16.00
80	04/12/08/0002	SPOT LIGHT 3"	NO	43.00

Main Store Lahore

Serial#	Item No.	Decription	Unit	Current Qty
81	04/12/08/0007	SPOT LIGHT COMPLETE 40 WATT	NO	454.00
82	04/12/09/0001	CIELING LIGHT	NO	219.00
83	04/12/09/0002	CIELING LIGHT HANGING	NO	2.00
84	04/12/09/0004	CIELING LIGHT SQUIRE	NO	177.00
85	04/12/09/0006	CEILING SPOT LIGHT FRAME 3"	NO	137.00
86	04/12/09/0007	CEILING SPOT LIGHT FRAME 5"	NO	19.00
87	04/12/09/0009	CEILING SPOT LIGHT FRAME 4"	NO	13.00
88	04/12/10/0003	SEARCH LIGHT 250WATT	NO	3.00
89	04/12/10/0004	SEARCH LIGHT 400 WATT	NO	1.00
90	04/12/11/0002	STREET LIGHT 150 WATT	NO	82.00
91	04/12/11/0003	STREET LIGHT 250 WATT	NO	108.00
92	04/12/11/0004	STREET LIGHT 400 WATT	NO	106.00
93	04/12/12/0002	TUBE LIGHT 40 WATT COMPLETE	NO	6.00
94	04/12/14/0001	GARDEN LIGHT	NO	6.00
95	04/12/14/0004	PARK LIGHT STANDING	NO	13.00
96	04/12/15/0001	WALL LIGHT SINGLE	NO	43.00
97	04/12/15/0007	WALL LIGHT HALF MOON	NO	53.00
98	04/12/17/0003	TUBE ROD 36 WATT	NO	24.00
99	04/12/17/0004	TUBE ROD 40 WATT	NO	18.00
100	04/12/17/0014	TUBE ROD 16 WATT	NO	15.00

Main Store Lahore

Serial#	Item No.	Decription	Unit	Current Qty
101	04/12/17/0023	TUBE ROD 2 FEET 40 WATT GOLDEN	NO	14.00
102	04/12/17/0030	TUBE ROD LED 16 WATT 4 FEET	NO	6.00
103	04/12/17/0036	TUBE ROD T5 14 WATT 2 FEET	NO	3.00
104	04/12/17/0037	TUBE ROD T5 8 WATT 1 FEET	NO	15.00
105	04/12/17/0053	TUBE ROD LED T5 13.5 WATT 3 FEET WARM LIGHT	NO	12.00
106	04/12/17/0054	TUBE ROD LED T5 9 WATT 2 FEET WARM LIGHT	NO	28.00
107	04/12/17/0055	TUBE ROD LED T5 4.5 WATT 1 FOOT WARM LIGHT	NO	13.00
108	04/12/18/0001	DOWN LIGHT 3"	NO	3.00
109	04/12/18/0002	DOWN LIGHT 4"	NO	467.00
110	04/12/20/0001	FOUNTAIN LIGHT	NO	6.00
111	04/12/25/0003	HALOGEN LIGHT 500 WATT	NO	10.00
112	04/12/37/0011	LED NET LIGHT	NO	206.00
113	04/12/37/0012	LED LIGHT DECORATION (ROPE TYOE)	COIL	1.00
114	04/12/37/0031	FANOOS	NO	64.00
115	04/12/40/0002	BULB CAPSOL	NO	16.00
116	04/12/43/0001	SODIUM LAMP 150 WATT PHILIPS	NO	53.00
117	04/12/43/0004	SODIUM LAMP 400 WATT	NO	72.00
118	04/12/43/0005	SODIUM LAMP 1000 WATT	NO	13.00
119	04/12/43/0007	SODIUM LAMP 70 WATT	NO	24.00
120	04/12/44/0005	LED DOWN LIGHT 5 WATT	NO	10.00

Main Store Lahore

Serial#	Item No.	Decription	Unit	Current Qty
121	04/12/44/0007	LED FLOOD LIGHT 100W	NO	10.00
122	04/12/44/0012	LED FLOOD LIGHT 20 WATT	NO	37.00
123	04/12/44/0023	LED LIGHT 30 WATT	NO	6.00
124	04/12/51/0001	LED STREET LIGHT 90 WATT	NO	17.00
125	04/12/51/0002	LED STREET LIGHT 70 WATT	NO	534.00
126	04/12/51/0003	LED STREET LIGHT 120 WATT	NO	112.00
127	04/12/52/0043	PANEL LIGHT LED 36 WATT 2 FEET X 2 FEET WARM LIGHT	NO	8.00
128	04/12/55/0002	FLOOD LIGHT 7830	NO	8.00
129	04/12/55/0005	FLOOD LIGHT SILVER 7878A	NO	8.00
130	04/12/55/0006	FLOOD LIGHT SILVER 7447A	NO	2.00
131	04/12/55/0007	FLOOD LIGHT SILVER 7870A	NO	8.00
132	04/12/55/0008	FLOODLIGHT SILVER WITH MOUNTING BOX 7454A	NO	1.00
133	04/12/55/0010	SURFACE-MOUNTED FLOODLIGHT 8759	NO	3.00
134	04/12/55/0011	SURFACE-MOUNTED FLOODLIGHT 8754	NO	3.00
135	04/12/56/0001	IN-GROUND LUMINAIRE 8751	NO	1.00
136	04/12/56/0002	IN-GROUND LUMINAIRE 8014	NO	11.00
137	04/12/57/0001	STREET LIGHT FIXTURE	NO	33.00
138	04/12/60/0001	SMD LIGHT 20 WATT	NO	6.00
139	04/12/60/0002	SMD LIGHT 5 WATT	NO	3.00
140	04/12/63/0001	LED LAMP (100 CM) 5 WATT	NO	35.00

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Serial#	Item No.	Decription	Unit	Current Qty
141	04/12/63/0002	LED LAMP (50 CM) 3 WATT	NO	58.00
142	04/12/68/0011	LED DRIVER 36 WATT	NO	10.00
143	04/14/01/0001	CHOKE 20 WATT	NO	6.00
144	04/14/01/0002	CHOKE 40 WATT	NO	162.00
145	04/14/01/0004	CHOKE 125 WATT	NO	47.00
146	04/14/01/0006	CHOKE 250 WATT	NO	20.00
147	04/14/01/0011	CHOKE 70 WATT	NO	71.00
148	04/15/01/0001	TUBE LIGHT HOLDER	NO	16.00
149	04/17/01/0002	LOUVRE FOR BEGA LIGHT (SHADE) 134	NO	127.00
150	04/18/01/0001	PLATE 1 HOLE SWITCH KID	NO	96.00
151	04/18/01/0002	PLATE 2 HOLE SWITCH KID	NO	160.00
152	04/18/01/0003	PLATE 3 HOLE SWITCH KID	NO	473.00
153	04/18/01/0004	PLATE 4 HOLE SWITCH KID	NO	88.00
154	04/18/01/0006	PLATE 6 HOLE SWITCH KID	NO	169.00
155	04/18/03/0001	PLATE SILVER 1 HOLE	NO	6.00
156	04/18/04/0001	PLATE GOLDEN 1 HOLE	NO	25.00
157	04/18/04/0002	PLATE GOLDEN 2 HOLE	NO	33.00
158	04/18/05/0003	PLATE 3 GAUG IMPORTED	NO	362.00
159	04/18/05/0006	PLATE 6 GAUG IMPORTED	NO	56.00
160	04/18/07/0001	PLATE FOR LIGHT PLUG SWITCH KID	NO	339.00

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Serial#	Item No.	Decription	Unit	Current Qty
161	04/18/08/0001	PLATE FOR POWER PLUG SWITCH KID	NO	41.00
162	04/18/09/0006	SWITCH PLATE 6 SWITCH	NO	2.00
163	04/18/09/0009	SWITCH PLATE 2 SWITCH CHINA	NO	67.00
164	04/18/09/0010	SWITCH PLATE 3 SWITCH CHINA	NO	4.00
165	04/18/10/0002	SWITCH PLATE TELEPHONE	NO	1.00
166	04/18/11/0001	SWITCH PLATE BELL PUSH CHINA	NO	18.00
167	04/18/13/0005	SWITCH PLATE 5 SWITCH 1 SOCKET	NO	1.00
168	04/18/14/0001	PLAIN PLATE 4"X6"	NO	18.00
169	04/18/14/0008	PLAIN PLATE 12"X12"	NO	20.00
170	04/18/14/0012	PLAIN PLATE 3"X3"	NO	40.00
171	04/18/14/0017	PLAIN PLATE 12" X 14"	NO	8.00
172	04/18/14/0018	PLAIN PLATE 12" X 10"	NO	10.00
173	04/18/14/0020	PLAIN PLATE FIBER 7" X 3"	NO	599.00
174	04/18/14/0021	PLAIN PLATE FIBER 4" X 4"	NO	11.00
175	04/18/16/0001	PLATE PVC 7"X4"	NO	5.00
176	04/18/20/0001	BAKOLIGHT SHEET 8 MM	NO	36.00
177	04/19/01/0002	SOCKET FOR TELE PHONE SWITCH KID	NO	137.00
178	04/19/01/0003	SOCKET FOR TELEPHONE IMPORTED	NO	15.00
179	04/19/01/0008	SOCKET FOR TELEPHONE CHINA	NO	11.00
180	04/19/02/0003	SOCKET LIGHT PLUG IMPORTED	NO	154.00

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Serial#	Item No.	Decription	Unit	Current Qty
181	04/19/03/0001	SOCKET FOR POWER PLUG SWITCH KID	NO	24.00
182	04/19/03/0003	SOCKET POWER PLUG IMPORTED	NO	2.00
183	04/19/04/0001	SOCKET FOR TELEVISION SWITCH KID	NO	139.00
184	04/19/04/0003	SOCKET TELE VISION CHINA	NO	1.00
185	04/19/05/0005	SOCKET TWO PIN PIANO	NO	5.00
186	04/19/06/0005	SOCKET INDUSTRIAL FEMALE 3-PIN 32 AMP	NO	12.00
187	04/20/01/0003	SWITCH SINGLE WAY IMPORTED	NO	252.00
188	04/20/02/0005	SWITCH NO/OFF PIANO	NO	1.00
189	04/20/03/0002	SWITCH POWER IMPORTED	NO	6.00
190	04/20/05/0002	SWITCH DUMMY LARGE IMPORTED	NO	51.00
191	04/20/05/0004	SWITCH DUMMY SWITCH KID	NO	202.00
192	04/20/05/0005	SWITCH DUMMY FOR D B	NO	167.00
193	04/20/18/0001	UNIVERSAL THERMOSTATE SWITCH	NO	2.00
194	04/21/01/0001	SWITCH TIMER	NO	7.00
195	04/22/04/0003	FAN PEDESTAL LOUVER	NO	1.00
196	04/22/07/0005	FAN PLASTIC FOR ELECT. MOTOR 2 HP	NO	5.00
197	04/23/02/0001	FAN RAGULATOR	NO	178.00
198	04/24/01/0001	SHOE 2-PIN	NO	1.00
199	04/25/01/0001	FUSE 2 AMP	NO	4.00
200	04/25/01/0005	FUSE 10 AMP	NO	50.00

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Serial#	Item No.	Decription	Unit	Current Qty
201	04/25/01/0013	FUSE 50 AMP	SET	8.00
202	04/25/01/0014	FUSE 100 AMP	SET	12.00
203	04/26/01/0002	ROUND TIKKI PVC 8"	NO	1,395.00
204	04/28/01/0003	BELL PUSH IMPORTED	NO	8.00
205	04/28/01/0015	PUSH BUTTON	NO	6.00
206	04/29/01/0006	HOLDER FOR SPOT LIGHT	NO	199.00
207	04/29/01/0011	HOLDER FOR HOLLOGEN LIGHT 500 WATT	NO	10.00
208	04/30/01/0008	CONNECTOR LINE UP	NO	11,732.00
209	04/30/01/0017	CONNECTOR FOR TELEPHONE VY	NO	100.00
210	04/30/01/0064	MAGNETIC CONNECTOR 100 AMP	NO	8.00
211	04/31/01/0001	KIT KAT 30 AMPERE	NO	32.00
212	04/31/01/0003	KIT KAT 100 AMPERE	NO	3.00
213	04/33/01/0011	DISTRIBUTION BOX 14"X20"	NO	45.00
214	04/33/01/0025	METER BOX	NO	511.00
215	04/33/01/0042	CONTROL PANNEL COMPLETE	NO	1.00
216	04/33/01/0064	PANNEL BOX 7.5HP COMPLETE	NO	1.00
217	04/33/01/0067	PANNEL BOX STREET LIGHT CONTROL	NO	2.00
218	04/33/01/0074	DISTRIBUTION BOX 36" X 24" X 18"	NO	1.00
219	04/33/01/0097	CONTROL PANNEL COMPLETE UNIT 10 HP	NO	1.00
220	04/33/01/0099	SUB MAIN PANNEL 100 AMP COMPLETE	NO	47.00

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Serial#	Item No.	Decription	Unit	Current Qty
221	04/33/01/0102	IN/OUT PANNEL BOX 100 AMP	NO	10.00
222	04/33/01/0104	POWER FACTOR PANNEL COMPLETE	NO	1.00
223	04/33/01/0107	PANNEL 400 AMP OUTGOING	NO	1.00
224	04/33/01/0111	DISTRIBUTION BOX 24" X 30" X 6"	NO	10.00
225	04/33/01/0113	PHOTO ELECTRIC SWITCH PANEL 10 AMP	NO	11.00
226	04/33/01/0178	LT PANEL 2000 AMP COMPLETE	NO	1.00
227	04/33/01/0268	ELECTRIC PANEL 800 AMP	NO	1.00
228	04/33/01/0281	DISTRIBUTION BOX 12" X 18" COMPLETE (06 BREAKER10 AMP SINGLE POLE	NO	1.00
229	04/34/02/0002	BREAKER 6 AMP SINGLE PHASE	NO	730.00
230	04/34/03/0001	BREAKER 10 AMP SP	NO	8.00
231	04/34/04/0002	BREAKER 16 AMP S/POLE	NO	7.00
232	04/34/05/0001	BREAKER 20 AMP S PHASE	NO	36.00
233	04/34/07/0001	BREAKER 32 AMP SP	NO	6.00
234	04/34/08/0002	CIRCUIT BREAKER 40AMP 3 PHASE	NO	1.00
235	04/34/10/0001	BREAKER 63 AMP 4 PHASE	NO	6,018.00
236	04/34/10/0003	BREAKER 63 AMPAIR 4-POLE	NO	71.00
237	04/34/13/0002	BREAKER 250 AMP 3-POLE	NO	7.00
238	04/34/17/0002	CIRCUIT BREAKER 20AMP 3 PHASE	NO	2.00
239	04/34/18/0001	CIRCUIT BREAKER 25 AMP	NO	4.00
240	04/34/21/0002	CIRCUIT BREAKER 60 AMP 3 PHASE	NO	2.00

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Serial#	Item No.	Decription	Unit	Current Qty
241	04/34/24/0002	CIRCUIT BREAKER 100AMP 3 PHASE	NO	152.00
242	04/34/27/0001	CIRCUIT BREAKER 250AMP 3 PHASE	NO	1,309.00
243	04/34/27/0002	BREAKER 250AMP 4 POLE	NO	1.00
244	04/34/29/0002	CIRCUIT BREAKER 15 AMP 3 PHASE	NO	1.00
245	04/34/30/0001	CIRCUIT BREAKER 400 AMP 3 PHASE	NO	76.00
246	04/34/42/0002	BREAKER 2000 AMP 4-POLE	NO	3.00
247	04/34/47/0001	BREAKER 1000 AMP 3-POLE	NO	18.00
248	04/35/01/0005	CONNECTER STRIP 100AMP	NO	50.00
249	04/36/08/0001	CHANGE OVER SWITCH 300 AMP	NO	1.00
250	04/39/01/0008	TRANSFORMER 12V	NO	86.00
251	04/39/01/0017	CURRENT TRANSFORMER CT 200/5	NO	2.00
252	04/39/01/0021	CURRENT TRANSFORMER CT 300/5A	NO	2.00
253	04/39/01/0024	WATER PROOF TRANSFORMER 1P-65	NO	8.00
254	04/39/01/0025	STABOL TRANSFORMER 220 V	NO	8.00
255	04/39/01/0049	TRANSFORMER PAD MOUNTED 750 KVA	NO	1.00
256	04/39/03/0010	CURRENT TRANSFORMER CT 1250/5A	NO	8.00
257	04/40/01/0001	GLASS FOR WALL LIGHT	NO	27.00
258	04/40/01/0011	TOP GLASS FOR BEGA LIGHT	NO	42.00
259	04/41/01/0002	COPPER BUSBAR FOR DISTRIBUTION BOX	NO	117.00
260	04/41/01/0003	ALLUMINIUM BUSBAR FOR DISTRIBUTION BOX	NO	2,906.00

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Serial#	Item No.	Decription	Unit	Current Qty
261	04/41/01/0016	BUS BAR (I TYPE) FOR 400 KVA TRANSFORMER	NO	137.00
262	04/41/01/0017	BUS BAR (I TYPE) FOR 1250 KVA TRANSFORMER	NO	137.00
263	04/41/01/0019	BUS BAR (Z TYPE) FOR 1250 KVA TRANSFORMER	NO	33.00
264	04/41/01/0020	BUS BAR (Z TYPE) FOR 400 KVA TRANSFORMER	NO	6.00
265	04/42/01/0001	DIGITAL ELECTRICITY METER	NO	435.00
266	04/42/01/0003	AMPIR METTER (PANAL)	NO	30.00
267	04/42/01/0006	CT DIGITAL ELECTRIC METER	NO	2.00
268	04/44/01/0001	LIGHT PLUG	NO	1.00
269	04/46/01/0040	HEAT SHRINKABLE TUBE 185 MM ZIPER TYPE	NO	26.00
270	04/47/01/0001	GLOBE BASE FOR STREET LIGHT POLE	NO	37.00
271	04/47/02/0002	GLOBE FOR LIGHT 16"	NO	2.00
272	04/47/04/0001	GLOBE LIGHT COVER	NO	42.00
273	04/49/01/0002	CABLE JOINT KIT S/C	NO	5.00
274	04/49/01/0009	CABLE JOINT KIT 4/C 120MM	NO	30.00
275	04/49/01/0018	JOINT KIT 120 MM 3-CORE	NO	34.00
276	04/49/01/0020	JOINT KIT 300MM 4-CORE	NO	26.00
277	04/49/01/0021	JOINT KIT 500 MM S/CORE	NO	10.00
278	04/49/01/0024	LT THROUGH JOINT KIT FOR 1 KV 25 MM 4 CORE	NO	50.00
279	04/49/01/0035	JOINT KIT 50MM 4-CORE (LT)	NO	22.00
280	04/49/01/0047	JOINT KIT 185MM 4-CORE (LT)	NO	21.00

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Serial#	Item No.	Decription	Unit	Current Qty
281	04/50/01/0003	ELECT METER PRE PAID P 423	NO	41.00
282	04/50/01/0004	ELECT METER PRE PAID P 424	NO	13.00
283	04/53/01/0002	CAPACITOR 3.5 UF	NO	6.00
284	04/53/01/0003	CAPACITOR 4.5 UF	NO	2.00
285	04/53/01/0006	CAPCITOR 25 UF	NO	12.00
286	04/53/01/0008	CAPCITOR 35 UF	NO	6.00
287	04/53/01/0033	CAPACITOR 45 UF	NO	16.00
288	04/53/01/0035	CAPACITOR 32 UF	NO	336.00
289	04/53/02/0001	CAPACITOR 25 KVR	NO	3.00
290	04/54/01/0011	COPPER LINK BAR	NO	318.00
291	04/54/01/0013	EARTHING ROD GI 10 FEET X 3/4"	NO	722.00
292	04/54/02/0007	DC TAPE COPPER CLAMP (FOR EARTHING)	NO	1.00
293	04/54/02/0013	EARTHING CLAMP GI 3/4"	NO	541.00
294	04/54/08/0001	COPPER LINK BAR RED	NO	259.00
295	04/54/08/0002	COPPER LINK BAR YELLOW	NO	264.00
296	04/54/08/0003	COPPER LINK BAR BLUE	NO	261.00
297	04/54/08/0004	COPPER LINK BAR BLACK	NO	2.00
298	04/55/03/0002	CEILING ROSE PVC	NO	13.00
299	04/55/05/0017	COIL FOR DB	NO	23.00
300	04/55/05/0044	ARC STANGLAR	NOS	156.00

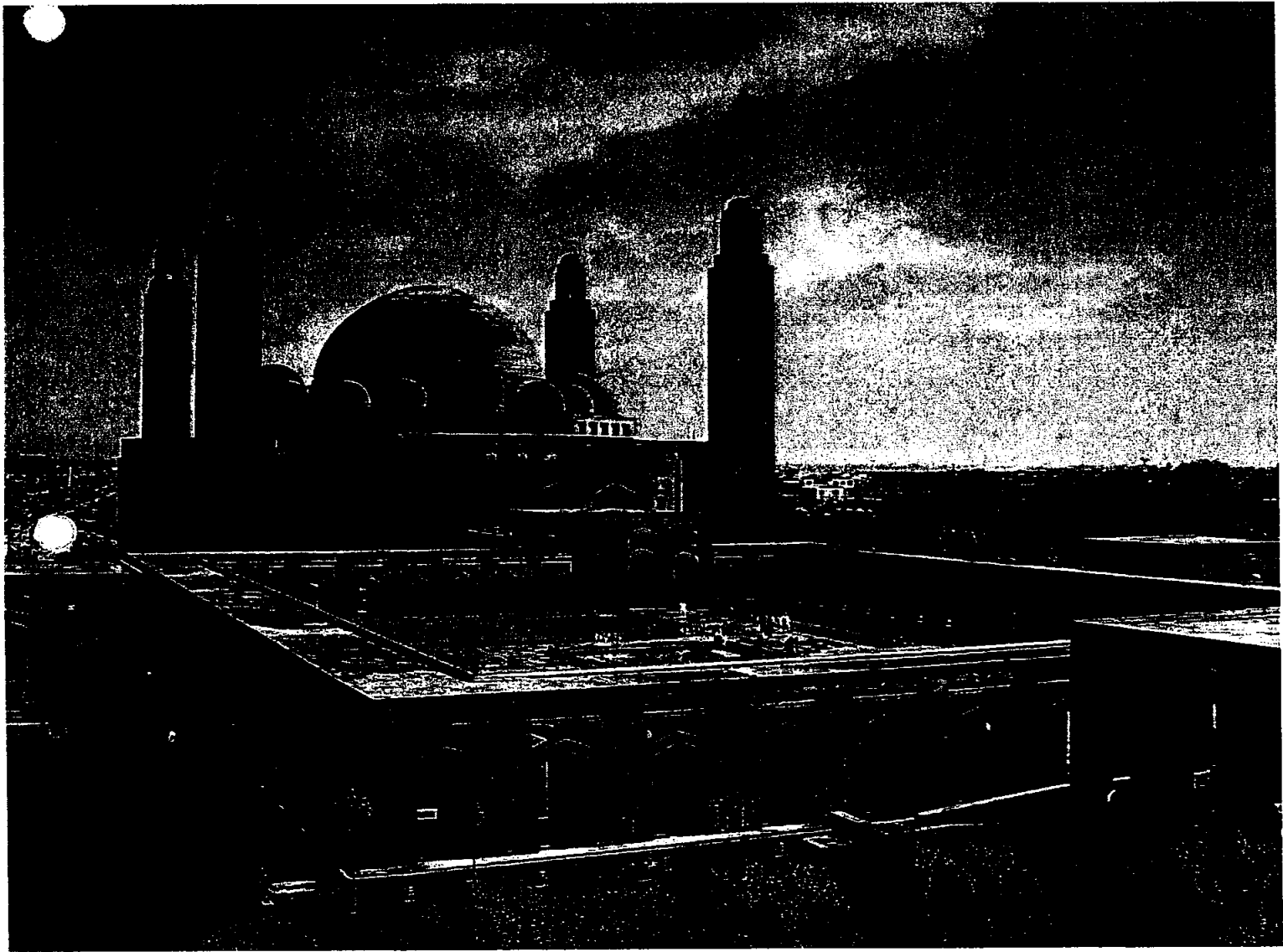
Main Store Lahore

Serial#	Item No.	Decription	Unit	Current Qty
301	04/55/05/0050	MS CAP FOR GLOBE LIGHT	NO	59.00
302	04/55/07/0001	LIGHT BOX COMPLETE FOR ONE UNIT	BOX	5.00
303	04/55/11/0006	FERRULE ALUMINIUM 120 MM	NO	30.00
304	04/55/12/0001	INSULATOR	NO	252.00
305	04/55/14/0003	TERMINATION BOOTS 11KVA RMU 3X120MM	NO	1.00
306	04/55/14/0004	TERMINATION BOOTS 11KVA RMU 1X500MM	NO	17.00
307	04/55/16/0021	COPPER CONDUCTOR 70MM	MTR	92.00
308	04/55/18/0033	ADOPTER FOR WALKI TALKI	NO	4.00
309	04/55/19/0011	RELAY SWITCH	NO	1.00
310	04/55/23/0007	CABLE GLAND	NO	1,840.00
311	04/55/27/0001	FAN HOOK MS	NO	2.00
312	04/55/32/0005	TIMER BASE 8 PIN	NO	3.00
313	04/55/36/0002	LT JACKET 185 MM	NO	12.00
314	04/55/37/0001	LT FEROLE CABLE JOINT 185 MM	NO	11.00
315	04/55/37/0002	LT FEROLE CABLE JOINT 300 MM	NO	39.00
316	04/55/37/0004	LT FEROLE CABLE JOINT 120 MM	NO	18.00
317	04/55/38/0001	HT TERMINATION TUBE	NO	18.00
318	04/55/42/0002	H.T TUBE 38/16	SET	30.00



CONSUMER SERVICE MANUAL

دستاویز اصول خدمت صارفین



BAHRIA TOWN, LAHORE

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CHAPTER 1

PRELIMINARIES

1.1 AIMS AND OBJECTIVES OF CONSUMER SERVICE MANUAL

The Consumer Service Manual lays down the instructions in pursuance of Section 21 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 read with Rule 9 of the NEPRA Licensing (Distribution) Rules, 1999 which shall be administered by a distribution licensee to ensure safe, effective and reliable supply of electric power.

1.2 SCOPE OF CONSUMER SERVICE MANUAL

The Consumer Service Manual is applicable to all consumers served by Bahria Town Private Limited (BTPL) and includes without limitation the following matters, namely:

- (a) form and manner of application by the consumer for obtaining electric service connection, along with details of any documents to be submitted in support of the application.
- (b) time-frame for providing service connection to the consumer;
- (c) procedure and manner for installation of meters and other facilities for connection;
- (d) the procedure and manner for billing, the time limit of payment of bills and procedure for collection of bills;
- (e) fees and charges for connection, installation of meters, other facilities for connection and reconnection;
- (f) procedure for issuing disconnection notice to consumer for non-payment of bills and the procedure thereof for disconnection of electric supply in case of non payment and reconnection after payment of outstanding dues;
- (g) collection of arrears upon or following reconnection;
- (h) Procedure for disconnection and the charges and penalties for illegal abstraction/theft of electric power or for use of electric power for purposes other than those specified in the application for connection and service;
- (i) Requirement of safety and security;
- (j) efficient use of electric power including with reference to characteristics of supply or usage such as time of day, week or season;

- (k) procedure and the time-frame for handling and redressal of different types of consumer complaints;

The Consumer Service Manual shall also act as the code of conduct to be used in conjunction with the provisions of Distribution Code, Performance Standards (Distribution) Rules, 2005, Eligibility Criteria 2003 and other operating codes, Rules and regulations when and where applicable.

1.3 INTERFACE WITH CONSUMER FORUMS

BTPL shall make efforts to have interface with the Consumer Forums/ Councils and Associations. Combined efforts shall be made to improve BTPL-Consumer relationship and the consumer's awareness about utility's programs/ activities/ services. Consumer Services Centers and One-Window Operations shall be established for the convenience of the consumers operating round the clock.

1.4 DEFINITIONS

BTPL, operating in pursuance of the supplier's/distribution licence granted by NEPRA is allowed to charge only such tariff as approved by NEPRA. Such tariff provides for the terms and conditions of tariff applicable to different categories of consumers also determined by NEPRA. The definitions of the following terms are accordingly as per the determinations of NEPRA as amended from time to time. A copy of the current applicable TARIFF and its TERMS AND CONDITIONS as approved by NEPRA is annexed with this manual, as ***Annexed-III***

1. **Billing Demand:** As defined in the tariff terms and conditions;
2. **Billing Period:** As defined in the Tariff terms and Conditions;
3. **Energy Charges:** As defined in the tariff terms and conditions;
4. **Fixed Charges:** As defined in the tariff terms and conditions;
5. **General Supply:** As defined in the tariff terms and conditions;

6. **Maximum Demand:** As defined in the tariff terms and conditions;
7. **Maximum Demand Indicator (MDI):** As defined in the tariff terms and conditions;
8. **Month:** As defined in the tariff terms and conditions;
9. **Power Factor:** As defined in the tariff terms and conditions;
10. **Temporary Supply:** As defined in the tariff terms and conditions;

OTHER DEFINITIONS

11. ***"Applicant": means any person who applies to BTPL for provision of electric power service or modification thereof.***
12. **Application:** A request to the authorized office of BTPL for an electric service connection on the prescribed form. ***(form annexed as annexure iv);***
13. **Common Distribution System (CDS):** means the distribution system as defined in the Eligibility Criteria Regulations 2003;
14. **Conductor:** means a wire, cable or other form having suitable capacity for carrying electric current and used for movement or delivery of electricity;
15. **Connecting Point:** means the point where the metering installation and protection apparatus of the consumer is connected to the dedicated distribution system;
16. **Consumer:** means a person or his successor-in-interest who purchases or receives electric power for consumption and not for delivery or re-sale to others, including a person who owns or occupies a premises where electric power is supplied;

- 17. Consumer's Mailing Address:** means the address specified in the consumer's Application and Power Supply Contract form for the purpose;
- 18. Consumption:** means the amount of electricity used and measured over a given period of time;
- 19. Declared Voltage:** means the voltage required to be supplied at the consumers terminals with permissible variations according to Performance Standards Distribution;
- 24. Dedicated Distribution System: (DDS)** means that part of the distribution system, required to supply power for the sole consumption of an applicant and not for supplying power to any other consumer and shall comprise of the distribution system from the connecting point upto the interconnection point of the applicant including the metering and service wire and such other connection arrangement;
- 25. Distribution Sub Station:** means a substation furnished, installed, owned operated and maintained by BTPL;
- 26. Distribution Lines:** mean overhead lines and/or underground facilities consisting of conduit and cable which are operated at nominal distribution voltages;
- 27. Distribution facilities:** means electrical facilities operating at distribution voltage and used for movement or delivery of electric power;
- 28. DISCO:** means a utility/entity engaged in the business of distribution of electric power as licensed by NEPRA;
- 29. Drop-Out Fuse:** means a current interrupting device, the mechanism of which is so designed that on melting of a fuse link the fuse carrier drops out to exhibit an open gap in the primary circuit;

30. **Earthing or Grounding:** means electrical connection to general mass of earth in such a manner as to ensure, at all times, an immediate discharge of energy;
31. **Eligibility Criteria:** means criterion for a non-discriminatory provision of distribution service and sale of electric power to all the consumers within the service territory of a distribution company as prescribed by NEPRA as the Criteria for Eligibility of Consumers, 2003;
32. **Energy Meter:** means a device that registers the quantity of electrical energy over a period of time;
33. **Horsepower (HP):** means a practical unit of power representing the ability to do work by some kinds of electrical equipment. One HP is equivalent to 746 watts of electrical energy/power;
34. **Interruption:** means loss of electric power to one or more consumers;
35. **Load Factor:** means the ratio of average load over a designated period to the peak load in that period;
36. **Nominal Voltage:** means a suitable approximate value of voltage used to designate or identify a system;
37. **Overloading:** means a condition under which part of the system is subject to a demand in excess of the normal design rating of that part of the system and not due directly to system fault current;
38. **NTDC:** means National Transmission and Dispatch Company as licenced by NEPRA.
39. **Premises:** means the building/site/location where Electric Power is connected/consumed;

- 40. Primary Service Connection:** Any connection which is provided at 11KV or above is defined as a Primary Service connection;
- 41. Public Lighting Supply:** means a supply given to a Provincial Government Department/ Agency or a Housing Society charged with public lighting, for the purpose of illuminating public lamps within the area of its jurisdiction;
- 42. Reliability:** means the degree of performance of the elements of the electric power system that results in electricity being delivered to consumers within specified standards;
- 43. Sanctioned Load:** means the load in kilowatts sanctioned by BTPL;
- 44. Service Drop:** means as the cable of appropriate current carrying capacity to connect the CDS/DDS to the Premises at the inter connection point. The maximum length of this Cable shall be such that the voltage at the inter connection point does not fall below the specified limits;
- 45. Secondary Service Connection:** means a connection which is provided at 400 volts or below is defined as secondary service connection;
- 46. Service Wires or Connection:** means the group of conductors, whether overhead or underground, necessary to connect the service entrance conductors of the consumer to the BTPL supply line, regardless of the location of BTPL meters or transformers;
- 47. Tariff Schedules:** means the rates, charges, terms and conditions for generation of electric power, transmission, distribution services and sales of electric power to consumers by BTPL as approved by NEPRA and notified by the Government of Pakistan;
- 48. Under Ground Distribution System:** means an electric distribution system with all wires installed underground except those wires within surface-mounted equipment enclosures;

49. **Voltage:** means difference of potential or "electric pressure" in an electrical circuit measured in volts;

50. **Voltage Drop:** means the reduction in the voltage between two reference points;

51. **Voltage Fluctuation:** means a series of voltage changes or a cyclic variation of voltage;

1.5 ACRONYMS(TO BE UPDATED BY EACH DISCO)

A& PSC	-	Application and Power Supply Contract
MSB	-	Meter Security Box
CE	-	Chief Engineer
DCO	-	Disconnection Order
DN	-	Demand Notice
ERO	-	Equipment Removal Order
KWH	-	Kilo Watt Hour
LP	-	Late Payment
MDI	-	Maximum Demand Indicator
MCO	-	Meter Change Order
NEPRA	-	National Electric Power Regulatory Authority
RCO	-	Reconnection Order
SCO	-	Service Connection Order
SR	-	Store Requisition

CHAPTER 2

NEW CONNECTIONS

2.1 GENERAL INFORMATION

Information desired from BTPL relative to subject matters covered by this Manual may be obtained by personal call, by telephone, or by mail and is also available on the web. The local office of the area is the main contact office where a separate window is available in addition to the consumer service centers established by BTPL, to provide all necessary information required regarding application for new connections and all other matters relating to consumer services and provision of electric power services.

2.2 APPLICATION FOR SERVICE CONNECTION

Application and Power Supply Contract (A&PSC) Forms in English and Urdu are available free of charge in concerned office of BTPL and on its webpage. (as annexure iv)

An applicant shall be required to fill in the forms and attach the required supporting documents as detailed therein.

Any assistance or information required in filling the application form shall be provided to the applicant by BTPL staff in the office where form is to be submitted.

Application for new connection can be submitted at BTPL concerned office in person or by registered mail. A receipt as acknowledgement of the forms shall be issued by BTPL.

2.3 DOCUMENTS TO BE ATTACHED WITH THE APPLICATION

Documents to be attached with the Application and Power Supply Contract are as follows:

- Ownership proof of the premises where connection is required.
- An affidavit from the owner of the premises to the effect that no connection existed previously at the premises for which connection is applied for and that he shall pay the RD any outstanding dues in respect of any previous connection which existed at the premises in question, if noticed thereafter.
- "No Objection Certificate" from the landlord (if the applicant is a tenant along with landlord's proof of ownership and affidavit mentioned above).
- Attested copies of National Identity Cards of the applicant and two witnesses.

- The power of attorney (in case of a Company), in favor of the applicant to the effect that the applicant is authorized to sign the application and execute agreement on behalf of the Company.
- In case of a Public Limited Company, the list of Managers, Directors etc. with complete addresses and attested photocopies of all documents regarding registration of the Limited Company.
- Available site plan of Industry/premises where connection is required.
- In case of change of name/reconnection/extension or reduction of load, a certificate from the Revenue Office, BTPL to the effect that no arrears are outstanding against the premises along with proof of ownership/NOC.

2.4 DESIGN, COST ESTIMATE AND DEMAND NOTICE

- After the receipt of Application Form along with the required documents concerned office of BTPL shall issue an acknowledgement receipt and a serial number to the applicant for further reference/processing etc. Based on the site inspection, the application will be evaluated /processed and approved as per the provisions of Consumer Eligibility Criteria, Grid Code and Distribution Code (where applicable). A demand notice of cost estimate and security amount shall subsequently be issued by the concerned office of BTPL for payment by the applicant.

- Demand Notices for Service Connection cost and Security Deposits may be sent under registered post or courier to ensure their delivery to the applicant.

For payment, branches of designated banks authorized to receive the Demand Notice charges etc. shall be intimated to the applicant. The bank shall receive payment as per demand notice and issue an acknowledgement receipt etc.

- Subsequent to the deposit of payment mentioned in the demand notices the applicant shall execute the power supply contract with BTPL in triplicate.

BTPL shall determine new final priority number of connections to each application after the demand notices have been paid and wiring test report submitted.

2.5 APPROVAL OF APPLICANT'S INSTALLATION

Before any electrical wiring or energy consuming apparatus is connected to the BTPL distribution system, the same shall be subject to inspection and testing by the concerned staff of BTPL and no connection shall be made to the BTPL system without the prior inspection/satisfaction of BTPL.

2.6 CATEGORIES OF APPLICANTS

- 2.6.1 For processing applications for new connections, applicants shall be divided into following five categories.

CATEGORY-I (Domestic Connection)

For connection at 230/400 Volts supply for load up to 20KW for domestic use.

CATEGORY-II (Commercial Connection)

For connection at 230/400 Volts up to 11 kV for various loads for commercial use.

CATEGORY-III (Public Lighting)

For connection at 230/400 Volts for public lighting.

CATEGORY – IV (Tube wells)

For connection at 230/400 to 11-kV for various loads for tube-wells.

2.7 TIME SCHEDULE FOR A NEW CONNECTION

BTPL shall provide new electric power service connection to its eligible **applicants** as specified in the Consumer Eligibility Criteria (CEC) in each of the following categories within the time limits specified against each from the date of registration of the application for new connection.

2.7.1 Time Schedule for giving new connections under Categories II, III, IV

CATEGORY-I	CATEGORY – II		CATEGORY – III		CATEGORY - IV	
		DAY S		DAYS		DAYS
30*		53*		73*		106*

* I.) The time limits shall not include any time required which is beyond the control of BTPL as per performance standards distribution and shall exclude the time taken by the **applicant** in depositing the amounts of the Demand Notices and provision of wiring test report. Connection applications shall be processed on the basis of first come first serve.

Chapter 3

Service Connections

3 New Connection Charges

All connection charges for new connections shall be as per provisions made in Consumer Eligibility Criteria Regulations annexed with this manual.

3.1(a) Relocation of Service Connections Due To Public Works

If, for public improvement such as street widening, grading, excavating, sidewalk spaces, or for other reasons beyond BTPL's control, BTPL has to move distribution facilities from the existing position or new facility is to be provided for improvement of the system, the shifting/relocation/addition of the facility (over head or underground) shall be carried out at the cost of the sponsoring agency and not the affected consumer(s).

3.1(b) Relocation of Service Connection on consumers request

If the consumer requires the relocation of an overhead or an underground service connection for convenience, because of construction, or otherwise obstructing access to the service connection, BTPL shall, at the consumer's expense, relocate its service connection.

3.2 Repair or Replacement of General Supply Service wire.

Routine repair/replacement of service wires feeding the consumer premises up to the metering point shall be the responsibility of BTPL.

3.3 TEMPORARY CONNECTION

- a) A temporary electric power supply connection may also be provided by BTPL subject to the availability of load and the prevailing rules, when an applicant demands electric supply for a specific time period not exceeding three months, which may be further extendable on three-months basis by the load sanctioning authority subject to clearance of outstanding dues.
- b) An applicant may apply for temporary connection for the following purposes:
 - i) Illumination and lighting for weddings, festival, functions, exhibitions or national and religious ceremonies etc.
 - ii) Construction of buildings
 - iii) Any other emergent requirement of temporary nature

3.3.1 Procedure For Application

3.3.2 The applicant shall apply for temporary connection to the competent load sanctioning Authority as per corresponding regular category of connection.

3.3.3 The applicant shall attach NOC/Authorization from the local Authority (where applicable) along with the documents as mentioned in the application form.

3.3.4 The sanctioning authority shall approve in accordance with the Eligibility Criteria Regulations

3.3.5 The **applicant** shall be served with Demand Notice for the cost relating to the Dedicated Distribution System and security* which will be deposited with the designated bank. For capital contribution, the terms of Eligibility Criteria regarding payments shall be applicable.

*The amount against the security shall include:

The amount as per applicable tariff and load equal to the cost of expected consumption of electricity during the approved temporary connection period.

3.3.6 BTPL, after the receipt of necessary payment and certificate, shall provide the electric power connection immediately as per priority maintained for temporary connections.

3.4 CONDITIONS OF SUPPLY AND DISCONNECTION

3.4.1 BTPL will provide temporary electric connection to the **applicant** on his demand for a specified period and disconnect the same after the expiry of this period unless extended further on the request of the consumer and confirmation by BTPL that the purpose for which temporary connection is required, still exists.

3.4.2 The consumer shall apply for extension in the sanctioned period at least one week before the expiry of the sanctioned period. The consumer shall pay in advance as security an amount equal to the expected consumption of the period applied for extension.

3.4.3 BTPL shall discontinue service without notice whenever it is no longer temporary in character, or it is used for unauthorized purposes.

3.4.4 After the expiry of the contracted period or after the period when connection is no more required and is disconnected, the cost of equipment installed for temporary connection shall be reimbursed to the consumer at depreciated rates, if it is dismantled and taken over by BTPL or if it is not dismantled and is taken over by the BTPL.

CHAPTER – 4

ENERGY METER INSTALLATION

4.1 GENERAL

This chapter covers installation of energy meters at the premises of consumers of all categories receiving electric power from BTPL.

BTPL shall provide the appropriate metering equipment at the cost of the consumer for all types of consumer categories.

4.2 METER LOCATIONS

- (i) It shall be the responsibility of the consumer to provide a safe and accessible location to BTPL for the installation of the metering equipment.
- (ii) The meters shall be installed at a reasonable height from the ground level or at a level from where the meter reading is possible without using climbing devices.
- (iii) For multi-occupancy buildings, the metering equipment of all the consumers residing in that building shall be installed at one location at the boundary of the building.

4.3 METER INSTALLATION

- i BTPL shall make its best endeavor to install the meters in accordance with the latest industry standards and workmanship.

- ii. All meters shall be installed on a non-flammable boards in a true vertical position in a manner that will prevent water from entering the meters or meter cabinets.
- iii. When metering equipment is installed in a multiple-occupancy building (two or more occupants), the meter connection devices shall be labeled, tagged, or stenciled showing the complete address and location of the area served such as the apartment, office, or store in the building and account no of the consumer for which the metering equipment is being installed.
- iv. The metering equipment shall be installed with permanent attachment to a rigid, vibration free wall or structure. When such facilities are installed indoors, the consumer shall provide and install a mounting board in accordance with BTPL's specifications.
- v. In the case of multiple-position or grouped meter connections, conductors from the source of supply shall be continuous to the last meter and connected to the meter connection terminals in accordance with BTPL's requirements.
- vi. BTPL shall have the right at any time to change the place and position of the metering equipment to conform with the provision of the schedule of tariffs in force from time to time and consumer eligibility criteria.
- vii. Should the consumer at any time require the metering equipment to be shifted to another place or position within the same premises, he shall give not less than 7 days notice to BTPL, giving reasons also. BTPL may shift the metering equipment upon receipt of such a request upon deposit of such shifting charges by the consumer as demanded through a demand notice by BTPL.

4.4 Meter Replacement

- 4.4.1 In case of replacement of a meter, the consumer's account shall not be liable to any adjustment on the basis of any discrepancy detected in the impugned metering equipment where the discrepancy is not attributable to any act or omission of the consumer.

- 4.4.2 Should BTPL at any time doubt the accuracy of any metering equipment, BTPL may after informing the consumer, install another duly calibrated and tested metering equipment (check metering equipment) in series with the impugned metering equipment to determine the difference in consumption or maximum demand recorded by the check metering equipment and that recorded by the impugned metering equipment during a fixed period. If on such comparative test being made the impugned metering equipment should prove to be in-correct, the impugned metering equipment shall be removed from the premises, and BTPL in the absence of any interference or alteration in the mechanism of the impugned metering equipment being detected by BTPL, shall install a "correct meter" without any further delay. 4.4.3 Where it is not possible for BTPL to install check metering equipment of appropriate capacity (due to non-availability of such equipment or otherwise) in series with the impugned metering equipment, to check the accuracy of the impugned metering equipment as described above, BTPL shall, after informing (in writing) the consumer, test the accuracy of the impugned metering equipment at site by means of Rotary Sub-Standard. If on such test being made, the impugned metering equipment should prove to be in-correct, the impugned metering equipment shall be removed and immediately replaced with a correct meter.
- 4.4.4 Where a consumer is not satisfied with the accuracy of the meter, he may inform BTPL of his desire for the said metering apparatus be checked at site in his presence. Upon receiving such a request, BTPL will issue a demand notice as meter challenge fees for the checking of the said meter and will check the accuracy of the said meter within SEVEN working days from the date of receipt of payment of such challenge fees by installing a duly calibrated check meter in series with the impugned meter or in the absence of a check meter, through a rotary sub-standard, accompanied by an engineer of BTPL's metering and testing laboratory. If upon checking the meter is found to be recording beyond the permissible limits, the meter shall be changed immediately.
- 4.4.5 The charging of consumers on the basis of defective code, where the meter has become defective and is not recording the actual consumption will not be more than TWO billing cycles. The basis of charging will be 100% of the consumption recorded in the same month of previous year. Only Authorized employee of BTPL will have the power to declare a meter defective. However, the consumer has a right to challenge the defective status of the energy meter and BTPL will get the meter checked at site with a check meter or a rotary sub-standard accompanied, by an engineer of the metering and testing laboratory free of cost.

Where any consumer gives a notice in writing to BTPL and informs of having requested the Electric Inspector/(PO) to check the accuracy of BTPL's metering equipment installed at his premises or the status of the meter regarding it being defective or otherwise, BTPL shall not remove or take off the impugned metering equipment from the consumer's premises until the Electric Inspector has conducted a test of the impugned metering equipment at site, in the presence of BTPL's authorized representative, by means of a duly calibrated check meter installed in series with the impugned meter or through a Rotary Sub-Standard and has given the result of his test.

Type of Fault/defect	Cost of replacement of meter	Mode of Determination of consumption	Competent Authority	Appellate Authority	Period of Loss	Remarks
Damage/defective reading owing to age /other reasons not related to illegal abstraction/stealing	BTPL To pay	Through previous consumption data - Check meter. Slowness through check/Rotary Substandard, Grid meter	load sanctioning authority	Authority higher to load sanctioning authority	Defective charging to a maximum of two billing cycles for regular bills. No previous charging on defective code	Test check Proforma to be got signed by the consumer/his authorized representative or POI at the time of inspection
Meter defective due to Consumer's over loading	Consumer To pay	Verification of load. Check meter. Rotary Substandard, another meter in Series	----do----	-----do-----	---do---	-----do-----
Tampering/ Theft/ By passing the meter	Consumer To pay	Through previous consumption data - Check meter. Slowness through check/Rotary Substandard,	----do----	Next office higher	For general supply consumers to a max of TWO Months— For period more than two months for General and other consumers	-----do-----

					see conditions below	
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- The general supply consumers shall not be charged detection bill for a period more than two billing cycles

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Metering Requirements

Meters should be the type as per specifications of IEC and BTPL's approved standards. BTPL shall ensure that all metering equipment prior to its installation is properly tested/sealed.

NOTE: Metering requirements as provided in the distribution code shall also be observed (where applicable).

CHAPTER 5

SECURITY DEPOSITS AND OTHER CONNECTION CHARGES

5.1 GENERAL

- 5.1.1** After sanction of a new connection a Demand Notice for security deposit and other connection charges (cost of dedicated system of the consumer) as per the rate approved by NERPA (according to Consumer Eligibility Criteria) shall be issued to the **applicant** for depositing the same in the designated Bank Branch.
- 5.1.2** A period of one month for payment of Demand Notice is given (in case of all categories of connections).

5.2 SECURITY DEPOSIT

The Security Deposit is not transferable except with the operation of law. However, if the consumer moves to a new premises at a new location within the same DISCO and requests for a new connection at the new location, in that case the security deposit may be updated & transferred provided there is nothing left at the previous premises and provided no arrears are outstanding.

In case of change of tariff and /or extension/reduction of load, the security amount shall be updated as per the approved prevailing rates.

- 5.2.1** For the purpose of calculating the security deposit, the fraction of a kilowatt (for loads above one kilowatt) which is equal to, or more than half kilowatt, shall be taken as one kilowatt, and the fraction which is less than half a kilowatt shall be ignored.
- 5.2.3** The security amount deposited by the consumer at the time of getting connection shall be refunded at the time of permanent disconnection after getting approval for the refund from the load sanctioning authority. (Provided there is no other amount outstanding against the consumer). The security deposit amount can also be adjusted in the final bill, if applied by the consumer.

CHAPTER 6

METER READING AND BILLING

6.1 METER READING

6.1.1 Meter reading of all the consumers of BTPL is carried out on a routine basis each month to record the consumption of energy consumed by each consumer during a given period (Billing cycle/billing month). The meter reading is generally taken/recorded by the local Distribution office of the distribution company. For the purpose, the consumers of each sub division are divided into a number of batches. The meter reading program shall be prepared in such a way that the meters of a batch are read on the same dates each month.

6.1.2 Meter reading of all types of connections are required to be taken by the Meter Readers. Reading of Maximum Demand indicators of connections having load over 20 Kw are to be recorded by the senior officers of the distribution company

6.1.3 Authorized representatives of BTPL (as detailed above) shall visit the premises, read the meters at the premises or where they are located and enter the following data in the Meter Reading Records, the Meter Reading Cards preferably in the presence of the consumer or his authorized representative.

- Date of reading
- Meter Reading/ MDI
- Units consumed during the month
- Append their initials.

Meter reading officers/meter readers shall return the Consumer Meter Reading Cards to the consumers before leaving their premises.

6.1.4 Meter Readers shall also check the irregularities/discrepancies in cases of meters, at the time of reading meters and report the same to the concerned office of BTPL who will take corrective action to rectify discrepancies as reported by Meter Readers. Further prescribed percentage checks of the meter readings recorded by meter readers are to be exercised by all concerned

6.1.5 BTPL may develop alternative meter reading program and/or establish revised designations for meter readers as per DISCO Commercial Organization Plan.

6.2 Electricity Consumption Bill

The Electricity consumption bill shall generally contain the following information

• Billing Month	The month for which bill is being issued.
• Reference No.	Number allotted at the time of approving new connection and to used for all purpose there on wards.
• Tariff	The applicable tariff for the category of connection.
• Load	Sanctioned load for the connection.
• Issue Date	The date on which bill is issued to the Consumer.
• Due Date	The date by which amount of the bill is to be paid to avoid surcharge. However, if the due date happens to fall on a holiday, the due date shall be considered as the next working date.
• ED	Electricity Duty levied by the Provincial Government.
• Reading Date	The date on which meter reading is taken. Usually meter is read on the same date every month.
• Total units Consumed	Difference of readings of meter taken on the same dates during the current month and the previous month.
• Total cost of Electricity	Cost of total units consumed as per applicable Tariff.
• Installments	Any amount to be paid as per installments allowed by Competent Authority.
• GST	General Sales Tax levied by the Government of Pakistan.
• Amount Payable Within due date	Total current amount of all the payment items as mentioned in the bill including arrears amount, if any.
• Arrears	Unpaid amount of the bill for the previous month.
• Non Payment	Payment of bill not paid up to due date.
• Late Payment (LP) Surcharge	If amount is not paid within due date, surcharge is levied.
• Amount Payable After due date	Total of amount payable within due date and LP surcharge
Demand Charges	Energy/fixed charges according to MDI meter reading.
Energy Charges	Cost of units consumed as per applicable tariff.
Other Charges	These charges include Fuel Adjustment charge, Late payment (LP) charge and GST charge etc.

6.2.1 In cases where accumulated readings are recorded, segregated bills shall be prepared keeping in view the number of months for which the readings have been accumulated to give relief to the consumers.

6.2.2 The consumers are advised to read the "INSTRUCTIONS FOR THE PAYMENT OF BILLS" given on the back of Monthly Electricity consumption charges bill of general consumers and bill for Industrial (MDI)/Bulk supply consumers for their knowledge and guidance.

6.3 TIME PERIOD FOR PAYMENT OF BILLS

6.3.1 The due date for payment of bills shall be within 15 days from the issue date of the bills. However, the consumers will have clear 7 days from the date of actual delivery of the bill for the purpose of payment.

6.4 PROCEDURE FOR BILLS DISTRIBUTION

6.4.1 Batch wise computerized bills for consumers having load up to 20 kW shall be received by the local office of the area from the revenue offices. The same shall then be handed over to the Bill Distributors on the same day for distribution to respective consumers.

6.4.2 The Bill Distributors shall deliver the bills at the premises of the consumers within a day of receipt of the bills by them for distribution.

6.4.3 Bills for industrial consumers and MDI connections above 20 kW load shall also be distributed to the respective consumers through Bill Distributors who shall obtain the acknowledgements of such bills from the consumers in the Bills Delivery books.

6.5 COLLECTION /PAYMENT OF ELECTRICITY BILLS

6.5.1 Designated Bank Branches and Post Offices of the respective City/District where connection exists shall be collecting Electricity Bills from consumers who have been given option to deposit their Electricity Bills in any designated bank branch/ post office.

On line payment and payment through Credit Cards or through cheques at designated bank branches can also be made where possible.

6.5.2 Procedure in brief regarding payment of bills in Banks/Post Offices is as under:

- In order to avoid late payment surcharge, consumers shall pay their bills and demand notices in bank branches in cash or through Pay orders/Bank Drafts/Crossed Cheques. Consumers can also make payments to Revenue offices through Crossed Cheques or Bank Drafts. (For payments to avoid levy of late

payment surcharge made through cheques a grace period of at least three days be given for the realization of payment).

- The Banks/Post Offices shall receive bills, acknowledge the receipt of payment by stamping the bills and the counterfoils as "PAID" indicating the amounts received. Authorized officer of Bank/Post Office shall sign bills and counter foils in order to authenticate the transaction.
- The Bank branches/Post offices shall retain counter-foils and return the acknowledged bills to payers/consumers.

6.5.3 BIPL may develop and offer to consumers an option to receive bills and make payments via Internet or in such other manner as is possible, convenient and effective.

CHAPTER 7

TARIFF

7.1 TARIFF

Tariff means the rates, charges, terms and conditions for generation of electric power, transmission, interconnection, distribution services and sales of electric power to consumers by BTPL. BTPL shall charge only such tariff from consumers as is approved by NEPRA. BTPL shall apply to NEPRA for any change of Tariff to be charged from different categories of consumers.

7.2 APPLICATION/SCHEDULE OF TARIFF

The schedule of tariff as approved by NEPRA and notified by the Government of Pakistan, shall be made available in DISCO offices and shall be provided to the consumers on demand free of cost (Copy thereof is attached as annexure III). All consumer queries/clarifications in respect of applicable tariff shall be adequately addressed by BTPL.

7.3 POWER FACTOR PENALTIES

The penalties for low power factor shall be levied according to the "Terms and Conditions" of approved tariff of respective category as annexed with this document.

7.4 CHANGE OF TARIFF

7.4.1 The consumer shall apply, at least 30 days in advance, for the change of his existing tariff to the competent load sanctioning Authority.

7.4.2 The consumer shall submit the application for change of tariff along with the required documents as mentioned in the application form.

7.4.3 BTPL shall accord approval for change of tariff within 30 days of receipt of application after site verification and confirmation of other information provided by the consumer in his application.

7.5 MIS-USE OF TARIFF

7.5.1 The consumer shall, in no case use the connection for the purpose other than for which it was originally sanctioned. In case of violation, the consumer is liable for disconnection and or penal action.

7.5.2 BTPL shall serve seven (7) days clear notice to the consumer who is found mis-using his approved/sanctioned tariff. However, BTPL shall immediately change the tariff and shall determine the difference of charges of the previous period of mis-use to be recovered from consumer. However, in the absence of any

documentary proof the maximum period of such charges shall not be more than TWO billing cycles.

7.6 TOD TARIFF

TIME OF DAY (TOD) metering for various classes has been introduced. The advantage of TOD metering is that the rates are less with TOD metering as per the schedules of TOD. In addition it also helps in reducing the Peak Demand on the system. Consumers are advised to avail the facility of TOD metering.

CHAPTER 8

DISCONNECTION AND RECONNECTION

8.1 DISCONNECTION

A premises is liable to be disconnected if the consumer is a defaulter in making payments of the energy consumption charges bill(s), or if he is using the electric connection for a purpose other than for which it was sanctioned, or if he has extended his load beyond the sanctioned load even after receipt of a notice in this respect from BTPL.

- 8.1.1 The consumer shall be bound to pay his energy bill within due date specified in the bill or with the late payment surcharge if paid after due date, before the issuance of the next month bill.
- 8.1.2 In case of non payment of the previous months electricity bill, BTPL shall serve a clear 7 days notice to the defaulting consumer to either clear the out- standing dues with the current bill or face disconnection and penal action.
- 8.1.3 Upon non receipt of payment even after the expiry of the notice period, the supply of the defaulting premises shall be disconnected. In such cases BTPL connected supply shall not be reconnected or restored by BTPL until full payment along with late payment surcharge has been made by the consumer.
The power supply of the consumers who are allowed by BTPL to make the payment in installments shall not be disconnected. However, if a consumer further defaults in making payment of installments, the power supply of such a consumer shall be disconnected without any further notice and shall only be restored after receipt of all arrears.
- 8.1.4 The power supply of a defaulting consumer shall not be disconnected who has lodged a complaint/petition against any wrong billing or any dispute relating to the payment of energy bill with BTPL, the Electric inspectors office, the Provincial Office of Inspection or NEPRA (For all such, proper restraining orders shall be issued). BTPL shall also not disconnect the supply if a restraining order to this effect has been issued from any court of law.
- 8.1.5 If a consumer extends his existing load beyond the sanctioned load he shall be issued a notice to apply for extension of load within One month. BTPL shall disconnect the power supply if the consumer fails to avail this opportunity.

8.2 RECONNECTION

BTPL disconnected premises shall be reconnected at the request of the consumer if all outstanding electricity charges are paid and subject to the following policy.

8.2.1 Not used.

8.2.2 Cost of Material to be recovered at the time of Reconnection.

- a. The material and equipment which is removed from the site as a result of disconnection shall be kept in the concerned office of BTPL for 365 days from the date of disconnection and an entry to this effect shall be made in a register to be kept for this purpose. It shall be re-installed after payment of reconnection charges without recovering cost thereof on application for Reconnection within 365 days to be reckoned from the date of disconnection. If a disconnected consumer does not come forward for reconnection within 365 days from the date of disconnection, then the removed material and equipment shall be returned to the store. Removed material and equipment shall be taken on stock and it shall be issued as stock material by the concerned office.
- b. In case a disconnected consumer applies for reconnection after the expiry of 365 days of disconnection but within three years from the date of disconnection, credit on depreciated value of the removed material shall be given in the estimate for reconnection provided cost of the removed material was originally borne by the consumer or it was wholly subsidized by an external agency outside BTPL or if such cost had not element of subsidy by BTPL. No credit of the cost of the removed material will be accorded where it was partially subsidized by BTPL under any approved package. (Cost of such material and equipment under any partial scheme will be treated as if cost of the removed material was originally borne by BTPL and as such no credit for depreciated value of subsidized cost will be provided.
- c. In case a disconnected consumer applies for reconnection after a period of three years from the date of disconnection, no credit of the cost of the removed material shall be accorded, even if he had originally paid the entire cost of the material and equipment at the time of obtaining connection.
- d. In case of reconnection of a disconnected premise where no arrears are outstanding against the Premises and due to some reason serviceable equipment is available at site, BTPL may utilize such equipment and cost of such material will not be recovered from the consumer subject to the satisfaction of BTPL that the material is genuine, operationally safe and the equipment has a reasonable serviceable life.

On receipt of payments BTPL shall issue reconnection orders for implementation by the field office after fulfilling the formalities as per Reconnection Policy mentioned above and immediately regularize the billing after execution of reconnection.

8.3 SECURITY DEPOSIT AND CHARGES FOR RECONNECTION

8.3.1 Once a consumer applies for reconnection, he shall be charged security deposit as per the following policy.

- a. For consumers whose security has not been adjusted against the outstanding arrears and their disconnected period is also less than or equal to 365 days no additional security deposit shall be charged.
- b. For consumers whose security has been adjusted against the arrears and their disconnected period is within 365 days or less only the amount of adjusted security shall be charged.
- c. For consumers whose security has not been adjusted against arrears but their disconnected period is more than 365 days, for such consumers the difference in amount between the security deposit already available with BTPL and the prevailing rate at the time of reconnection shall be charged.
- d. For consumers whose security has been adjusted against the arrears and their disconnected period is also more than 365 days, for such consumers the security at the prevailing rate shall be charged.

8.3.2 Reconnection fee shall be recovered as per following rates for the amount of the arrears on the basis of which DCO/ERO was affected.

1.	For arrears upto Rs. 1000/-	Rs. 100.00
2.	For arrears between Rs. 1,001/- and Rs. 5000/-	Rs. 300/-
3.	For arrears between Rs. 5,001/- and Rs. 15000/-	Rs. 900/-
4.	For arrears between Rs. 15001/- and Rs. 1 Lac	Rs. 2000/-
5.	For arrears between Rs. 1 Lac to Rs. 5 Lac	Rs. 2500/-
6.	For arrears over Rs. 5 Lac	Rs. 10,000
7.	For connection disconnected due to other reasons	Nil.

i.e. disconnected on technical grounds, for unauthorized Extension in load, or seasonal consumers disconnected due to season off or disconnected due to misuse of Applicable Tariff, no reconnection fees shall be charged.

8.3.3 All BTPL consumers, having disconnected period of more than three years shall have the option to apply for new connection in the same premises subject to clearance of all dues outstanding against previously disconnected connection. In such cases nothing on account of fixed charges/minimum charges for disconnected period shall be debited against the premises previously disconnected, if new connection is sought instead of "Reconnection". For this purpose the security amount originally deposited

by the consumer shall be adjusted against the arrears of the previous account number and the arrear bill of balance amount to be served to the consumer. Upon payment of the balance amount, the consumer can apply for a new connection as per new connection policy given in Chapter No 2. If any material is available at site or is lying with BTPL against the consumers premises, the same shall be considered and will be accounted for in preparing the estimate for the dedicated system of the consumer

8.3.5 BTPL consumers whose arrears have partially or totally been set aside by Courts, Electric Inspectors(POI), NEPRA or BTPL's competent authorities or have been allowed part payments shall be allowed reconnections on deposit of remaining arrears or their first installment.

8.3.6 Disconnection on consumer's request.

Temporary disconnection of supply is allowed to a consumer on his request, for a period of 30 days subject to the following terms and conditions:-

- a. That the consumer has paid the final bill upto the day immediately preceding the intended date of request for temporary disconnection.
- b. That exemption in payment of minimum/fixed charges will be admissible for the actual period of disconnection subject to a maximum of 30 (days) consecutive days during a period of twenty four consecutive months;
- c. That no reconnection fees shall be charged if the consumer gets the connection restored immediately after the expiry of the period of disconnection allowed to him;
- d. A seasonal consumer or a consumer whose connection is lying disconnected shall not be eligible to the allowance given in the temporary disconnection;
- e. After the expiry of the period allowed for disconnection as per clause (b) above, the connection shall be deemed to have been restored for payment of minimum/fixed charges even if the consumer does not request for reconnection and does not use electricity. In case the consumer defaults in making the future bills, his connection may be disconnected and equipment installed at his premises to supply energy be removed after service of notice as per disconnection procedure. Restoration of supply to such a premises shall also be regulated as per the Reconnection Policy as given in section 8.2

A consumer who intends to get his premises disconnected shall apply to the load sanctioning Authority of the connection concerned, who will arrange the final bill from the revenue officer concerned. After payment of final bill, the respective load sanctioning Authority will approve disconnection. Disconnection for consumers supply shall be effected through removal of, such facilities to avoid misuse of electricity during the period of disconnection.

NOTE: In all cases of reconnection/MCOs or any case where meter is changed for any other reason, Part III and Part IV of the application form will be filled out and a copy sent to the consumer for his information duly signed by the officer in charge.

Not New Connection
Bill 12-0111

CHAPTER 9

COLLECTION OF ARREARS, PENALTIES AGAINST THEFT OF ELECTRICITY

9.1 COLLECTION OF ARREARS UPON OR FOLLOWING RECONNECTION

9.1.1 Causes of Increase of Amounts in Arrears

The consumers who default in making payments by due dates shall be issued Disconnection Notices printed on monthly Electricity Consumer Bills. The connections of consumers who still do not make payments of their arrears shall be disconnected on the maturity of disconnection notices after expiry of the stipulated period.

The consumers who shift sites of their tube wells, poultry farms, cattle farms and industries to other locations without clearing the pending electricity bills, BTPL shall take legal action to recover the arrears.

The consumers who sell their houses shops, industries, seasonal factories etc without making payment of electricity bills, BTPL shall take legal action to recover the arrears.

9.1.2 Recovery of Arrears Amount

- Recovery of arrears from the running consumers shall be made through their regular monthly bills. If the monthly bills are not paid in time necessary action for disconnection of such consumers shall be taken according to the procedure as described in Chapter 8 "DISONNECTION AND RECONNECTION".

9.1.3 Proceedings Against disconnected Defaulting Consumers

In case consumers fail to pay the arrears amount, all legal measures/ actions shall be initiated against such consumers for recovery of outstanding dues.

9.2 STEALING OF ELECTRICITY

9.2.1 Interference with metering apparatus for illegal abstraction of electricity

The Licensee may disconnect the provision of electric power to a consumer for default in payment of power charges or to a consumer involved in theft of electric power.

DIRECT THEFT OF ELECTRICITY BY PERSONS WHO ARE NOT REGISTERED CONSUMERS OF A DISCO.

If a premises/person is found to be hooked directly with BTPL's supply line without a metering equipment in between or if the consumer is using electricity direct from BTPL's supply line and/or the person living in the premises is not a consumer of BTPL then, BTPL shall inter-alia process the case as THEFT of electricity. For all such cases BTPL shall register a FIR with the police.

9.2.2 ILLEGAL ABSTRACTION OF ELECTRICITY BY REGISTERED CONSUMERS

The following indications shall lead to further investigations by DISCO for illegal abstraction of electricity. For such cases BTPL shall prepare procedures for investigation

- a. Prize bond/postal order/meter security slip removed
- b. Bond/Terminal cover seal broken/bogus/tampered
- c. Terminal cover missing
- d. Holes made in the KWH meter bodies
- e. MSB showing signs of tempering
- f. Meter hanging loose/tilted/physically unbalanced.
- g. Meter glass broken
- h. Meter dead stop/burnt
- i. Meter sticking
- j. Meter digits upset
- k. Meter running reverse
- l. Meter connected on temporarily/permanently disconnected premises
- m. Meter found missing at site.
- n. Meter found at site but no record exists in the office
- o. Any other means which can cause interference in true recording of quantum of energy (kWh) by the metering equipment.

9.2.3 Procedure for establishing illegal abstraction shall be as under.

(a) Upon knowledge of any of the items in 9.2.2, the concerned office of the RD will act as follows

- (i) Secure meter without removing it in the presence of the owner/occupier or his Authorized representative/ respectable person of the locality
- (ii) Install check meter and declare it as billing meter
- (iii) Have Magistrate, POI/ and an officer of the metering and testing division of the RD (who should be an electrical Engineer) inspect the meter secured at site and declare that illegal abstraction of electricity has, and/or is being carried out.

- (iv) Once confirmed that illegal abstraction is being done Serve notice to the consumer informing him of the allegations and the findings and the requirement of a written reply from the consumer.
- (v) Wait for Seven working days for receipt of reply
- (vi) If the reply is not convincing or if no reply is received or if the allegations as levied are proved, the inspecting office with the approval of the next higher office will immediately serve a bill for un claimed energy limited to the period of two billing months previous from the date of establishment of illegal abstraction.
- (vii) The bill along with a notice for payment within Seven days will be issued by the inspecting office.
- (viii) Upon payment of the bill, the tampered meter shall be removed and no further action will be taken by the RD's office.

(b) The maximum period for charging in such cases shall be restricted to two billing cycles for general supply consumers. For period beyond two billing cycles approval of the chief Executive of BTPL shall have to be taken. Also for such cases action will also be initiated against the officer in charge for not being vigilant enough. For other consumer classes, the period of charging can be more than two billing cycles up to a maximum of SIX billing cycles. However, if the consumer objects payment or disputes over the quantum of units determined to by BTPL, the next higher office of BTPL (than the one approving the detection bill) is competent to settle the issue. In case, the dispute remains un resolved, the matter shall be referred to NEPRA/the Provincial office of Inspection, who are competent to make determination in the matter.

(c) In case if the consumer does not make payment and also does not dispute over the quantum of energy assessed, then after the expiry of the stipulated period his premises be disconnected and the procedure for disconnection and reconnection as per chapter 8 be followed thereafter. The same would be the case after a consumer does not make payment on the quantum of energy determined in such cases by the Electric Inspector (POI)/NEPRA.

NOTE. Mere occurrence of any of the above defects in a meter does not warrant illegal abstraction of electricity. In cases sometimes, weathering effects and atmospheric conditions also wear out the postal orders, seals and other parts of the metering equipment. The detecting Authority must be reasonably sure regarding the illegal abstraction happening before it actually decides to charge a consumer for the same. The same is true for the appellant forum as well. In addition in places where the meters are out side the premises, the prime responsibility of the maintenance of the healthy state of the meter rests with BTPL. A consumer shall not be charged if the meter wears out through normal atmospheric effects or through some internal fault in a meter for which a consumer cannot be held responsible. For such cases the normal course of action on part of a DISCO should be to replace the meter with a healthy meter. However, if BTPL feels that the quantum of energy lost because of malfunctioning of the metering equipment is more than ONE billing cycle then in such a case BTPL shall install a check meter in series with the impugned meter and declare the check meter as the billing meter. Difference between the consumption of the two meters to be recorded and the same may be charged to the consumer for a maximum of three billing cycles. However, it must be ensured that this would not be a DETECTION BILL.

CHAPTER 10

CONSUMERS COMPLAINTS

10 GENERAL

- 10.1 Complaints in respect of new connections, meter reading and billing, electric supply failures and other matters relating to supply of electric power services shall be handled by DISCOs expeditiously. In order to redress consumer complaints, Consumer Services Centers shall be approached for all types of complaints to be lodged by the consumers. Additionally, One Window Operations are established in BTPL offices wherein all types of complaints are received from the consumers who are given acknowledgements of the same with definite dates for their replies according to time frame for handling and redressal of such complaints.

DISCO shall handle a complaint in accordance with the procedure as laid down in this chapter.

10.2 COMPLAINTS REGARDING NEW CONNECTIONS

Complaints in respect of non-availability of application and Power Supply Contract (A&PSC) and other material, delay in issuance of Demand Notices etc. shall be attended properly and connections given as per Procedure and Time Schedule laid down in Chapters 2 and 3, hereof.

10.3 COMPLAINTS REGARDING BILLING

Common billing complaints including but not limited to the following shall be entertained for redressal /reply within the time as given below.

- a) Errors in bills arising from wrong meter readings, wrong calculation of charges etc.(within 7 days from the receipt of complaint).
- b) Tariff changes (within 30 days from the receipt of complaint).
- c) Defective meters (within 2 billing cycles for meters charged under defective code).
- d) Wrong application of surcharge (late receipt of bank scrolls or loss of a scroll) (within 3 days of receipt of complaint).
- e) Adjustments arising on various matters including extension of due date and waiver of surcharge (within 3 days from the receipt of complaint).
- f) Generally, the data for bills preparation is not sent in time to BTPLs Computer Centre. This has consequential effects and in turn consumer bills are delayed as

they do not get SEVEN clear days for payment of bills (In such cases the BTPL can extend the date by THREE days).

- g) Bills calculated on an average basis are usually on the higher side which need reconsideration and correction from the next higher authority (within 7 days from the receipt of complaint).
- h) Detection bills are prepared on the basis and for a period not acceptable to the consumers (if referred to DISCO decision within 7 days from the date of receipt of request).
- i) Detection bills issued on mere assumptions or reasons which cannot be attributed to consumers involvement in illegal/theft of energy (if referred to DISCO decision within 7 days from the date of receipt of the complaint).
- j) Wrong billing due to wrong meter reading. (within 3 days from the receipt of complaint)
- m. Delay in Issue of 1st Bill against New Connections. (Max of TWO billing cycles). The consumer should receive his 1st bill within 2 months of the date of connection. The bill should have the appropriate slab for the period. If delivered later, it should have appropriate slab corresponding to the number of months for which the accumulated reading bill delivered)
- n. Inclusion of paid amounts in next months bills. BTPL as well as Bank Managers, incharge post office where the last bills were paid are competent to amend the bills. (same day) upon production of previous paid bill.
- o. Arithmetical Errors. ROs and SDOs are both competent to correct such bills forth with upon receipt of the complaint.
- p. Late delivery of bills. As printed on the reverse of the monthly bills, SDOs and ROs both are competent to enhance the due dates. (same day)
- q. Issuance of duplicate bills. BTPL is competent to issue the duplicate bills. (Same Day)
- r. Change of Tariff. BTPL may within 30 days from the date of receipt of complaint change the tariff category.
- s. Late intimation of input data after the implementation of Meter Change Orders (MCO), delayed implementation of MCOS even after replacement of meters. (Suitable number of instalments to pay the outstanding amounts are allowed by the load sanctioning authority proportionate to the delay).

10.3.1 All the above complaints regarding billing shall be registered in the Sub divisional office or Consumer Service Center or One-Window Operation in BTPL offices wherein dates for their rectification shall be given to the complainants as per procedure and time frame for handling and redressal of complaints. All these complaints shall also be monitored by BTPL Complaint Cells.

Time Frame for the redressal of each category of the above complaint is given in the various chapters of this manual and above also. A performance appraisal of all such complaints shall be carried out at the end of each financial year of BTPL. The consumers are encouraged to approach NEPRA in case their complaints are not handled by BTPL according to the manual.

10.4 COMPLAINTS REGARDING FAILURE OF ELECTRIC SUPPLY

10.4.1 Common Complaints regarding failure of electric supply are mentioned as below:

- a) Individual complaints of consumers regarding failure/fluctuation of supply voltage other complaints of technical nature which can be rectified locally.
- b) Collective complaints due to fault on 11 kV feeder.
- c) Collective complaints due to fuse blown on 11 kV side of distribution transformer.
- d) Collective complaints due to damage to distribution transformer.
- e) Frequent Tripping of 11 kV feeders.
- f) Touching of branches of trees with the 11 KV/LT conductors.
- g) Defect in 11 KV/LT jumpers, insulation etc.
- h) Entangling of string used for kite flying with 11 KV/LT lines.
- i) Leakage of current in poles/structures/other equipment installed on the system.
- j) Low voltage at consumer's premises.
- k) Fluctuations in the system due to deposit on joints of copper/aluminum conductor.
- l) Sub-standard quality of supply.
- m) Any other technical complaint

10.4.2 *The complaints shall normally be attended to in the following order of priority.*

- i) Attend leakage of current immediately on receipt of such complaint.
- ii) Attend collective complaints of consumers.
- iii) In case of damage of transformer, this should be replaced with trolley mounted transformer if available in the sub division or after arranging from other sub division to meet with the emergency till proper transformer is arranged for replacement.
- iv) Trimming of branches of trees touching the electric lines as well as other preventive maintenance work under scheduled and well advertised

programme shall be carried out in order to avoid unnecessary trippings/ damage to electric installations.

- v) Attend individual complaints of consumers.
- vi) The complaints regarding low voltage at consumer's premises shall be investigated by Sub Divisional Officer and remedial measures taken so as to improve the voltage thereby reducing the chances of damage to electric gadgets of the consumers.
- vii) The complaints regarding sub-standard quality of supply shall also be investigated by the Sub-Divisional Officer and remedial measures adopted so as to improve the same.

10.4.3 At the end of each shift in the complaint office an abstract shall be prepared as follows:

- No of complaints received
- No. of complaints attended
- No. of complaints lying un-attended with Sr. Nos. and reasons.

10.4.4 BTPL shall have independent Complaint Offices to attend such complaints. These complaint offices work on 24-hours basis even during holidays. The working of these complaint offices is to be supervised by higher officers as well as DISCOs Complaint Cells.

10.5 SPECIAL ARRANGEMENTS FOR HANDLING SPECIAL REQUESTS FROM ELDERLY AND HANDICAPPED CONSUMERS

DISCO shall make special arrangements for handling requests from elderly and handicapped consumers with regard to consumer related issues.

10.6 DEVELOPMENT OF WEB SITE FOR CONSUMER SERVICES

BTPL shall develop a Web Site for Consumer Service. The consumer service can also be part of BTPL main WEB Site. The site may contain following information /facilities.

- Consumers billing status;
- Consumers billing record/historical data;
- Distribution Code, Eligibility Criteria, Performance and Standards Consumer Service Manual;
- Tariff information;
- Network information in GIS Format, indicating the loading of feeders;
- Payment of bills through credit cards, if possible and
- All kinds of forms required by a consumer.

The manual shall contain the telephone Nos of all the important officers of BTPL and the complaint centers. A copy of the manual shall be handed to every new consumer once his connection is energized. The RD shall also place a soft copy of the approved manual on its website for down loading.

CHAPTER 11

TRANSFORMER AND CONSUMER STATION

11 TRANSFORMER INSTALLATION ON CONSUMER'S PROPERTY

11.1 General

In case of consumers of category I to IV (as defined in chapter 2) where line voltage (11000 volts or higher upto 132Kv) is stepped down on the consumer's property to the service voltage required by the consumer, the facilities necessary to accommodate the transformer or transformers and the related equipment will be either

- (1) a Distribution Sub Station, if furnished, installed, owned, and maintained by BTPL, or
- (2) a Consumer Sub Station, if furnished, installed, owned, and maintained by the consumer.

11.2 Distribution Sub Station

BTPL will install a Sub Station for such General-Purpose consumers.

BTPL shall ensure that all the installations are in accordance with BTPLs approved design specifications and standards.

11.3 Consumer Sub Station

The responsibility for the provision of space, installation and maintenance of step down transformer and all allied equipment in a consumer substation shall be that of the consumer. The layout of the substation, the equipment installed must meet the specifications, design and standards as approved by BTPL. The equipment may be supplied by BTPL on payment. However, for such facilities, the responsibility of BTPL shall only be upto the metering point (Inter connection point).

For such installations, the consumer shall provide land/space for the lines which will extend to and from the substation.

11.4 No used.

11.5 Metering Equipment and Installation Requirements

- a. Meter installation shall comply with Pakistan Standard Institute (PSI) or International Electric technical Commission (IEC) standard or Standards developed/adopted by BTPL.
- b. BTPL shall determine the location and method of installation for all metering equipment as provided in the distribution code, Grid Code and related manuals.

- c. Whenever any electrical wiring is modified, new metering equipment complying with these service requirements shall be used, except when in the opinion of BTPL the existing metering equipment is satisfactory and adequate to register all energy to be supplied.
- d. Line side (un metered) conductors and load side (metered) conductors are prohibited from occupying the same enclosure.

11.6 GROUNDING SYSTEM

As defined in Distribution Code, Grid Code and the PSI wiring Regulations, proper neutral and protective earthing/ grounding system shall be installed by the consumer and checked by authorized representative of DISCO.

11.7 FIRE EXTINGUISHERS

Suitable Fire Extinguishers shall be provided and maintained by the owner agency to meet with any hazardous situation.

CHAPTER 12

SAFETY AND SECURITY

12.1 GENERAL

In order to prevent accidents which can result in injury or death, or damage to public property, the consumers shall abide by the general safety requirements of the "Safety Code".

BTPL will take all the safety and security measures to avoid fatal/non fatal accidents. The consumers shall be educated through all possible means to observe safety measures in order to avoid any causality especially during the monsoon season.

12.2 OBLIGATIONS OF BTPL

BTPL shall monitor and implement the safety and security plan for consumers. The safety and security objectives can be achieved by adopting good engineering practice, including the following measures:

- Operation and maintenance of BTPL's electrical distribution system /Network shall be carried out only by BTPL's authorized and trained personnel.
- BTPL's system equipment, including overhead lines, poles/structures/Towers underground cables, transformers, MV panels, LV panels, MV and LV cutouts, meters, service drops, etc, shall be installed and maintained in accordance with good engineering and utility practice.
- To ensure proper operation of BTPL's network under abnormal conditions (short-circuits, overloading, etc) appropriate relays shall be installed and properly coordinated.
- The earthing systems installed shall be dimensioned and regularly tested to ensure protection from fire and shock hazards.
- The steel structure installed on the public places shall be earthed at ONE point through steel/copper conductor, in accordance with BTPL's laid down procedures.

12.2 OBLIGATIONS OF THE CONSUMER

The consumer is responsible to monitor and implement safety and security standards within his own premises. The safety and security objectives can be achieved by adopting good engineering practice, including the following measures:

- No matter how small, electrical installations, including earthing system, must be designed, installed and maintained by competent electrical engineers and/or

licensed electrical contractors, and must be inspected and certified by an Electrical Inspector as per terms and conditions laid down in C.E.C.

- Wiring materials and electrical equipment installed must conform to the approved relevant standards and be of a good quality.
- For the protection of the consumer it is necessary that electrical installation at the consumer's premises conform to the rules established by BTPL and approved by the Authority as per the terms and conditions of the Eligibility Criteria, Performance Standards Distribution, Distribution Code, Safety Code and grid code.
- No additions, alterations, repairs and adjustments to existing installations, (except such replacement of lamps, fans, fuses, switches, low voltage domestic appliance and fittings as in no way alter the capacity and the character of the installation), shall be carried out within a consumer's premises, except by a licensed electrical contractor.
- In case of fatal electrical accident to a person, an immediate report shall also be made to the nearest police station and to BTPLs Complaint centre.
- Any consumer committing a breach of procedures/rules outlined above shall render himself liable for disconnection of his electric power and punishment with punitive damages.

12.3 SOME USEFUL SAFETY TIPS

Electricity, while being a very useful and convenient form of energy, has a number of hazards, and consumers would be wise to treat electrical installation with respect.

The following tips shall be kept in mind:

- Hazardous conditions on utility systems shall be monitored and immediately reported to BTPL
 - a. Damaged or faulty insulators.
 - b. Burns on conductors, insulator pins, or metal-work.
 - c. Damaged cross-arms on poles/structure /Towers.
 - d. Broken strands or wires on overhead conductors, or fallen wires.
 - e. Uneven sagging of lines.
 - f. Leaning or damage to poles/structures /Towers.
 - g. Branches of trees interfering with overhead conductors.
 - h. Loose stay- wires.
 - i. Construction of new roads, buildings, or other structures near the line.
 - j. Damaged or faulty transformer structures, including oil leakages
 - k. Leakage currents in poles and other structures /Towers.
 - l. Unsafe working practices by employees

- RCDs (Residual Current Devices), also called earth-leakage circuit breakers (ELCBs), ground-fault circuit interrupters (GFCIs) are extremely sensitive circuit breakers that can prevent fires and shocks in electrical installations. Obtain specialist advice on their installation at appropriate locations in your electrical systems.
- Electricity is more dangerous in the presence of water. During rains, near swimming pools, tanks or other water bodies, in laboratories, on construction sites, for temporary functions/weddings, etc., special care must be taken to use proper wiring and protective equipment, especially RCDs. Such installations need to be inspected on a regular basis
- Use proper circuit breakers in preference to re-wireable fuse cut-outs.
- Metallic and chemical string must not be used for kite flying as it poses serious danger to life and damages electricity installations.
- Safety clearances from electricity conductors and equipment (e.g., hazardous extension of balconies at the upper stories of houses in *blocks/sectors* which comes within close proximity of electric lines) must be maintained to avoid electrocution.
- Animals must not be tied to poles/structures **Towers** of electricity lines in order to avoid accidents/ electrocutions.

CHAPTER 13

EFFICIENT USE AND CONSERVATION OF ELECTRIC POWER

13.1 GENERAL

BTPL shall take steps towards improving the quality and reliability of electric service to maximize the value of the energy that is used and to increase the sale of power.

Electricity adds to the quality of life, hence it makes good sense to use it wisely. Consumers are advised to be "energy smart".

13.2 ENERGY EFFICIENCY AND ENERGY SAVINGS

The use of present day technology boosts the efficiency of energy systems – such as the super-efficient compact fluorescent lamps. This revolutionary yet reliable bulb yields the same pleasing light as a conventional incandescent while consuming less electricity.

There are many other proven ways to maintain and operate energy systems to save energy costs all the time, many of which are at low or no-cost.

- Many of the quickest and easiest ways to save energy also cost little or nothing. In fact, a lot of energy savings can be achieved by doing the following:
 - a. Turn off lights when not needed.
 - b. Remove unneeded light bulbs.
 - c. When replacing bulbs, use lower wattage or more efficient ones.
 - d. Reduce your air conditioning thermostat setting.
 - e. Reduce air conditioning during unoccupied hours.
 - f. Reduce air conditioning somewhat before the end of your operating hours.
 - g. Have the ventilating and air conditioning systems serviced and adjusted.
 - h. Turn off machines and equipment when not needed.
 - i. Make sure all automatic controls are in good working condition and are set properly.
 - j. Ensure all motive machinery is properly lubricated and maintained.
- The following steps may be read carefully:
 - a. **Find out last year's energy use and cost.** Twenty to thirty percent savings may be possible with little effort.
 - b. **Do an energy "audit".** Take a good look at how and where you use – and waste – energy.

- c. **Get some expert help with the audit if needed.**
- d. **Ask friends for their ideas ... and listen to their concerns about health and comfort.** They should be fully involved in energy management efforts.
- e. **Decide the top priority things to do.** Include them in the Energy Action Plan.
- f. **Do them – with outside help if needed.** The sooner a start is made, the better savings are made.
- g. **Keep a record of savings.** See if what has been done is working and how much is being saved.

13.3 LIGHTING

Lighting energy can be wasted in several ways, by;

- **Inefficient light sources** – when the lamp or fixture is inefficient in converting electricity to light, using more watts (units of electric power) than necessary to produce the lumens (units of light output);
- **Illumination losses** – when dirt or some other obstruction blocks some of the light; or when the light source is too far away from what you want illuminated;
- **Over lighting** – when more light is used than is needed; when a “free” source such as daylight is not used; and when lights are on for no reason (e.g., when no one is present).
- **Three major ways to save**
 - turning lights off when they’re not needed;
 - reducing light levels wherever you have more light than you need;
 - Installing more efficient lighting or controls.

13.4 INFORMATION ABOUT BENEFITS OF SAVING ELECTRIC POWER

BTPL shall provide sufficient information to the consumer to make him aware of the benefits of efficient use and saving of electric power which in turn would result in savings to the utility. BTPL shall publish pamphlets or make advertisements or issue hand bills from time to time for the education of consumers with regard to efficient use and saving of electric power.

BTPL shall inform consumers about energy efficiency opportunities by way of “information inserts” included in monthly bills.

13.5 MONITORING USE OF ENERGY

The consumer shall be educated and encouraged to prepare the figures of months energy bills for the last calendar year and this year by collecting from the monthly bills and recording in the table given below. Comparison of these figures on monthly basis shall give the "base line" for making efforts for potential savings. In this way, keeping in view all the suggestions for saving and keeping a strict watch on the energy consumption, some fruitful results are achievable and it will be observed that energy management efforts actually do pay off.

TABLE FOR CONSUMPTION OF ELECTRICITY

MONTH	ELECTRICITY USE			ELECTRICITY COST		
	LAST YEAR	THIS YEAR	% DIFF-ERENCE	LAST YEAR	THIS YEAR	% DIFF-ERENCE
January						
February						
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						
Total						

CHAPTER 14

RIGHTS AND OBLIGATIONS VIS-À-VIS CONSUMER AND DISCO

14.1. Access To The Consumer's Premises

- A duly authorized employee of BTPL shall be entitled at all reasonable times, and on informing the occupier of his intention (after giving a notice of clear 3 days), to enter the premises to which energy is or has been, or is to be supplied by BTPL, for the purpose of:
- Examining, inspecting and testing the electric supply lines, meters, maximum demand indicators or other measuring apparatus, electric wires, fittings, works or an apparatus for the supply or use of energy, whether belonging to BTPL or to the Consumer, or.
- ascertaining the amount of energy supplied or the electrical quantity contained in the supply or the apparatus, or.
- removing, where a supply of energy is no longer required, or where BTPL is authorized to take away and cut-off such supply, any electric supply lines, meters, maximum demand indicators or other measuring apparatus, fittings, works or apparatus belonging to BTPL, or.
- along all other things necessary or incidental to the proper supply or maintaining such supply to the consumer's premises.

14.2. Facilities To Be Provided By The Consumer

- BTPL authorized staff member has access to meters, service connections and other property owned by it which may be located in consumer's premises for purposes of installation, maintenance, operation or removal of the property at the time service is to be terminated.
- The consumer's utility system shall be open for inspection to authorized representatives of BTPL. The consumer's failure to do so within a reasonable period of time may result in disconnection.
- Consumers must provide access to all electric meters upon request for billing purposes. If a premises is unoccupied/locked, an appointment to obtain meter readings will suffice for a maximum period of three (3) months. After that, a new appointment will be required to update the readings.

14.3. Property Damage

- BTPL is not responsible for any loss or damage caused by any negligence or wrongful act of a consumer or his authorized representative in installing, maintaining, operating or using any or all appliances, facilities or equipment.

- The consumer will be held responsible for damage to BTPL's meters and other property or facilities resulting from the use or operation of appliances and facilities on consumer's premises, including but not limited to damage caused by electricity, steam, hot water or chemicals.
- If a consumer, new applicant, developer or other person is found to be responsible for any damage done to BTPL property, such damages shall be reimbursed to BTPL.

14.4. Liability of The Consumer For Damage to BTPL Apparatus

- The consumer shall be solely responsible for and shall pay for any loss of, or damage to, any electric supply lines, meters and/or other apparatus belonging to BTPL and in use of the consumer for supply of energy purpose, whether caused maliciously or through negligence or default on the part of the consumer or any of his employees, or whether arising out of fire, theft or any other cause beyond the control of BTPL, always excepting reasonable wear and tear and loss or damages arising out of defects in the aforesaid electric supply lines, main fuses, meters and/or other apparatus belonging to BTPL on the consumer's premises.
- Provided that the liability of the consumer for the cost of resealing any metering equipment or other apparatus belonging to BTPL on the consumer's premises shall be as prescribed in BTPL Schedule of General Charges in force from time to time.

14.5. Right Of Way

- The right of way shall be as per the terms and conditions set in the Eligibility Criteria.

14.6. Failure Of Supply Due To Force Majeure

- BTPL shall not be liable for any claims for loss, damage or compensation whatsoever, arising out of failure of supply when such failure is due to force majeure, as defined in the Performance Standards distribution

14.7. OBLIGATIONS OF CONSUMERS

- **Interference With Service**
- Consumers who operate equipment which causes detrimental voltage fluctuations (such as but not limited to, hoists, welders, x-ray apparatus, radio transmitters, elevator motors, compressors and furnaces) must reasonably limit such fluctuations upon request by BTPL. The Consumer will be required to comply with the necessary corrective measures.

- Separate service is required for x-ray units over 5 KVA, welder units over 3 KVA, radio transmitters and resistance welders.
- BTPL may require the consumers to provide, at their own expense, special furnace type transformers and reactors and capacitors sufficient to limit secondary short-circuit current values to 200% of full load value. In such cases, BTPL shall furnish energy at 11 KV.
- The consumer should also make arrangements to filter out or prevent harmonic distortions traveling onto/interfering with BTPL's system.

14.8. Power Factor

- BTPL encourages consumers to maintain a power factor of at least 90% to avoid penalties.

14.9. Consumer's Obligation to Remedy

- Consumers must use their best endeavors to avoid any non-compliance of this Manual within the time period specified in any notice of non-compliance sent by BTPL.

14.10. Disconnection of Supply for Non-Compliance

- BTPL may disconnect supply to a consumers if,
- the consumer has not fulfilled an obligation to comply with this Manual; and
- BTPL has given the consumer 7 business days' written notice of disconnection (such notice to be in addition to the notice already given); and
- The consumer fails to comply with the notice; or

CHAPTER 15

Violation of Instructions

In case, the consumer is not satisfied with BTPLs response, the grievance in respect of violation of instructions can be filed with POIs respecting metering, billing, collection of tariff and cases of theft of energy.

Complaints under Section 39 of the NEPRA Act can also be filed with the Director of Consumer Affairs at NEPRA. All such complaints shall be handled under the complaint handling procedure or dispute resolution procedure as notified by NEPRA.

For further information on the above NEPRA can be contacted at the following address

DIR CAD
NEPRA
NEPRA Tower, Ata-Turkk Avenue
G-5/2, ISLAMABAD.
Telephone 051-9207200 Ext 325
051-9205293
Fax 051-9217651
Email-CAD@nepra.org.pk
Web Site –www.nepra.org.pk

PERFORMANCE STANDARDS,
**CONSUMER SERVICE GUARANTEES, RIGHTS AND OBLIGATIONS VIS-À-VIS
CONSUMER AND DISCO**

Annex -11

CONSUMER ELIGIBILITY CRITERIA

NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

ELIGIBILITY CRITERIA FOR CONSUMERS OF DISTRIBUTION COMPANIES

2003

Pursuant to Section 21 (2) (b) of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 (XL of 1997), the National Electric Power Regulatory Authority is pleased to lay down the following eligibility criteria for a non-discriminatory provision of distribution service and sale of electric power to all the consumers within the service territory of a distribution company.

PART-I

SHORT TITLE, COMMENCEMENT, JURISDICTION AND DEFINITIONS

1. Short Title Commencement and Jurisdiction

- (1) This criteria may be called the NEPRA "Consumer Eligibility Criteria" 2003.
- (2) This Consumer Eligibility Criteria shall be applicable from the date of its notification in the official Gazette.
- (3) This Consumer Eligibility Criterion shall be applicable to all the distribution licensees permitted to carry out distribution of electric power service within the territory of Pakistan.
- (4) The Authority may amend the provisions of this Consumer Eligibility Criteria, either *suo moto* or at the request of any person or a licensee, as deemed appropriate after consultation with the licensee and other stake holders.

2. Definitions

- (1) Unless the context otherwise requires 'words and phrases' used but not defined here shall have the meaning assigned to them in the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 and the rules made thereunder:-
- (i) "Applicant" means any person who applies to a distribution licensee for provision of electric power service or modification thereof.
 - (ii) "Common Distribution System" means the distribution system as defined in the distribution licence other than the dedicated distribution system;
 - (iii) "Connecting point" for the purposes of this Consumer Eligibility Criteria means the point where the dedicated distribution system of the applicant is connected with the existing common distribution system;
 - (iv) "Concession Territory" means the territory outside the Service Territory of a distribution licensee defined by the administrative/geographical boundaries and as delineated in a distribution licence;
 - (v) "Dedicated Distribution System" means that part of the distribution system, required to supply power for the sole consumption of an applicant and not for supplying power to any other consumer and shall comprise of the distribution system from the connecting point upto the interconnection point of the applicant including the metering and service wire and such other connection arrangements;
 - (vi) "Inter Connection Point" means the point where the metering installation and protection apparatus of the consumer is connected to the dedicated distribution system ;
 - (vii) "Metering Installation" means the metering and associated equipment required to be installed for recording consumption/usage of electric power of an applicant;

PART- II

ELIGIBILITY CRITERIA

3. Eligibility Criteria for Consumers of Distribution Companies

(1) Within the service territory of a licensee specified in a distribution licence, any person, shall have the right to be supplied with electric power by the licensee provided that:

- (a) the applicant moves an application in the form prescribed by the distribution company alongwith such other supporting documents as approved by the Authority;
- (b) the applicant deposits the charges for the proposed dedicated distribution system upto to the inter connection point including the metering installation;
- (c) the applicant's wiring installation, transformation and protection equipment downstream of the inter connection point has been tested and certified by an Electric inspector(who shall be an Electrical Engineer registered with Pakistan Engineering Council) to be in conformity with the technical and safety standards applicable under the operating codes, procedure or manuals approved by the Authority;
- (d) the distribution licensee is satisfied with respect to the compliance of the technical and safety standards as per the operating codes, procedure or manuals approved by the Authority;
- (e) the applicant has made payment of security deposit as determined by the Authority;
- (f) no arrears of electricity bills are outstanding against the occupier/owner of the premises for which the applicant has sought to be provided with distribution service;
- (g) the applicant has not been guilty of committing an offence of stealing of electricity under the law.
Provided however, if a guarantee to the satisfaction of the licensee is provided to compensate for any loss to the licensee which may accrue due to dishonest abstraction of electric energy or non payment of bills, the applicant shall be eligible to be supplied with electric power services

(2) Sub-regulation (1) of Regulation 3, shall not apply to consumers who are already connected to the licensee distribution system or have applied for a connection and have deposited the initial cost before the notification of the Consumer Eligibility Criteria.

(3) All charges to be deposited by an applicant shall be estimated in accordance with the prudent utility practices, instructions issued by the licensee and orders of the Authority issued from time to time.

- (4) Notwithstanding the provisions of Regulation 3(3), in case the licensee determines to receive average charge for dedicated distribution system per applicant from a class of applicants, the licensee shall prescribe such charges with the prior approval of the Authority under Regulation 8 hereof.
- (5) Subject to the prior application of complaint redressal mechanism of the licensee, all disputes in respect of estimation of charges shall be filed with the Authority for resolution as per Regulation (10) of this Consumer Eligibility Criteria.

4. Extension and Reinforcement of the Common Distribution System

- (1) If an extension/reinforcement is required to be made in the common distribution system within the service territory of the licensee in order to provide an applicant with electric power as per Regulation 3 above, the licensee shall carry out the required extension/reinforcement at its own cost in accordance with its development plan approved by the Authority.
Provided however, if the required extension/reinforcement does not fall within the approved development plan of the licensee, the licensee shall arrange for the provision of required extension/reinforcement in accordance with the least cost system expansion plan of the licensee.
- (2) If the distribution licensee has shown its inability to provide the required extension within its concession territory, at its own cost and surrendered its first right to serve in the concession territory granted under a distribution licence, the applicant may get the required extension arranged through any other licensee on terms mutually acceptable to the applicant and the other distribution licensee as per the terms of relevant licence and the applicable licensing rules.
- (3) Without prejudice to the foregoing, in case the applicant offers to deposit the cost, to be incurred on the required extension/reinforcement of the common distribution system, the licensee shall provide the required extension/reinforcement services upon deposit of costs by the applicant subject to an agreement of reimbursement of costs incurred by the applicant.
- (4) The provisions of Regulation 3 shall also be applicable to consumers who apply for enhancement of load.

PART- III

APPLICATION

- 5 Save to the extent of any agreement between a consumer and a licensee, the existing consumers registered with the licensee or applicants who have been charged an initial cost of connection or system extension, reinforcement or development charges and have deposited such cost prior to the notification of this Consumer Eligibility Criteria according to the instructions of the licensee enforced at that time will not have any right to be reimbursed with such deposits by the licensee.
- 6 The dedicated distribution system of the consumer shall be maintained by the licensee up to the metering installation of the consumer. Control of such a system shall be handed over to the licensee for the purpose of operation and maintenance before commencement of provision of electric power service to the consumer.

- 7 The dedicated distribution system, other than service wire and meter, may be converted into common distribution system with the written consent of the owner of the dedicated distribution system in which case, the cost incurred by its owner shall be reimbursed by the licensee at mutually agreed terms.
Provided however, in case the right of way is contested by the owner of a dedicated distribution system, subject to the full satisfaction of the Authority regarding licensee's claim, the licensee shall not be required to get such written consent, after payment of appropriate compensation to the owner of the dedicated distribution system.
- 8 For the purpose of Regulation 3(4), the licensee shall submit a petition with the Authority under NEPRA Tariff Standards and Procedure Rules, 1998 for its determination of average charges to be paid by a class of applicants for their individual dedicated distribution systems.
- 9 The licensee shall publish and make available to all interested persons the average charges as approved by the Authority.
- 10 All complaints and disputes in respect of the administration of this Consumer Eligibility Criteria shall be referred to NEPRA for resolution.

**Tariff Terms and Conditions
Of Tariff**

Application and Power Supply Contract Form
APPLICATION FORM
(FOR CONNECTION)

Article I PART I

Application No.-----Date-----Name of Sub Div-----

Name of Applicant-----type of connection-----

Father's/ Husband name-----

Complete Address where connection is required-----

C.N.I.C (NADRA)----- (Attach photo Copy of NIC)

Applicant E.Mail address-----Phone No.-----Fax No-----

Size of Plot-----Marlas-----Kanals

Name of person with designation to whom application is handed over -----

Ref: No of existing connection if any-----

1. I shall be bound to abide by all the terms and conditions of the Eligibility Criteria for consumer of a Distribution Company, Consumer Service Manual, and other applicable documents as prescribed for provision of service.

(Signature of Applicant)

DOCUMENT TO BE ATTACHED WITH THE APPLICATION

- ◆ Ownership proof of the premises where connection is required.
- ◆ An affidavit from the owner of the premises to the effect that no connection existed previously at the premises for which connection is applied for and that he shall pay BTPL any outstanding dues in respect of any previous connection which existed at the premises is question, if noticed thereafter.
- ◆ "No Objection Certificate" from the landlord (if the applicant is a tenant along with landlord 's proof of ownership and affidavit mentioned above).
- ◆ Attested copies of National Identity Cards of the applicant and two witnesses.
- ◆ The power of attorney (in case of a Company), in favor of the applicant to the effect that the applicant is authorized to sign the application and execute agreement on behalf of the Company along with Memorandum and Articles of Association of the company.
- ◆ Available site plan Industry/premises where connection is required.
- ◆ In case of change of name/reconnection/ extension or reduction of load, a certificate from the Revenue Office, BTPL to the effect that no areas are outstanding against the premises along with proof of owner ship/NOC.
- ◆ Any other information if required by the company for connections above 11Kv, as per requirements of the Distribution Code and the Grid Code (wherever applicable).

Section J.D.L. PART II

(FOR OFFICE USE)

- (1) Date of Survey-----
- (2) Authenticity Certificate of particulars given by consumer
- (3) Load at site -----KW
- (4) Tariff Applicable -----
- (5) Material required (as per attached estimated)
- (6) Size of plot verified -----
- (7) Proposed Reference No.-----
- (8) Whether area electrified/ un electrified/Housing Society-----
- (9) Name of feeder-----
- (10) Date put up to Sanctioning Authority for sanction-----
- (11) Date of sanction -----
- (12) Amount of sanctioned estimate -----
- (13) Demand Notice no and date -----
- (14) Load sanctioned -----(kw)
- (15) Capital cost Rs.-----Meter security Rs.-----
- (16) Demand notice paid on date-----for Rs.-----Bank name-----
- (17) Date of Return of Demand notice by the applicant-----
- (18) Date of submission of wiring test report by the applicant-----

(Signature of officer with designation)

PART III

Connection installation

- (19) Date of inspection of wiring-----
(20) Date service installation -----
(21) Date and time of meter installation-----
(22) Name of In charge installing the meter-----

(i)

(ii) Meter's Particulars

- (23) (i) Meter No-----
(ii) Meter type----- Capacity-----
(a) KWH (b) KVARH (c) MDI
(iii) Initial reading----- (iv) Multiplying factor of any-----
(iv) Seals/Postal order No-----

(Signature of officer with designation)

(iii) Part IV

- (24) Date of submission of documents to R.O FOR billing vide no-----
Date-----
(25) Date of Certified copy send to reading sanction for billing-----

(Signature of Officer with Designation)

NOTE": Copy of the complete set (part I to IV) complete filled out and signed by the officer of the RD will also be provided to the consumer for his record. The consumer may lodge complaint against non provision of such completed copy.

(Signatures of the Consumer as a token of receipt of a copy of the set)

Receipt of the complete set of the
adoption of the
plan of the
distribution license

Contract for Consumer Connection and Supply of Electric Power

This Contract for Consumer Connection and Supply of Electric Power ("Power Supply Contract") is entered into between Mr./Ms./Mrs. M/s _____ ("consumer")

AND

BTPL _____

on the ____ day of _____, at _____.

Whereas the consumer had applied vide Application Form dated _____ for a load of _____ to BTPL.

Whereas BTPL had issued a demand note # _____ dated _____ in the favour of consumer in the amount of Rs. _____ which was duly deposited by the consumer on _____ vide receipt no. _____.

Whereas the consumer has in line with the provisions of Consumer Eligibility Criteria, 2003 deposited the charges, complied with the safety requirements and its electrical installations checked and verified by a certified electrical engineer registered with the Pakistan Engineering Council.

Whereas BTPL has also verified the electrical installation at the consumer's premises and ensured its soundness for the purpose of its connection to its distribution system.

Now therefore, the parties to this contract hereby agree as follows:

1. BTPL shall provide the distribution services to the consumer in accordance with the terms and conditions approved by its licensing authority i.e., the National Electric Power Regulatory Authority ("Authority").
2. The Consumer Service Manual which can be obtained from BTPL providing for the rights and duties of both BTPL and a consumer shall be binding on both the parties and shall be referred to by the parties to deal with different aspects of services to be rendered by BTPL.

In witness whereof, the parties hereto execute this Contract of Power Supply on this _____ day of _____.

BTPL: _____

Consumer: _____

Witnesses:

1. _____

2. _____

E-STAMP



ID: PB-LHR- DC9323A61B67BC21
Type: Low Denomination
Amount: Rs 300/-

Scan for online verification

Description: AFFIDAVIT – 4
Applicant: BAHRIA TOWN PVT LTD [00000-0000000-0]
Representative From: BAHRIA TOWN PVT LTD
Agent: Self
Address: Lahore
Issue Date: 18-Jan-2024 11:45:11 AM
Delisted On/Validity: 25-Jan-2024
Amount in Words: Three Hundred Rupees Only
Reason: NEPRA ISLAMABAD
Vendor Information: Muhammad Javed | PB-LHR-832 | Kahna Nu Lahore

MUHAMMAD JAVED
Lic. # 832 Kahna Nu Lahore
Serial No. 832

نوٹ: یہ افادہ پختن تاریخ الود سے سات دنوں تک کے لیے قابل استعمال ہے۔ اس افادہ کی تصدیق کی سائٹ ویب پڑھ کر یا ایف ڈی ایس یا ایم ایس جی کی سے کیے جاسکتی

BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

"Application for seeking Electric Power Supply License for Bahria Town, Mohlanwal, Lahore and Bahria Orchards, Raiwind Road, Lahore"

ON BEHALF OF BAHRIA TOWN (PRIVATE) LIMITED

AFFIDAVIT

I, Brig Bakhtiyawar Lal Hussain (Retd) Director Services holding CNIC No. 35201-2986374-3 of Bahria Town (Private) Limited hereby confirm that the Applicant has not been earlier granted any License by the Authority.

It is further submitted that an Application for grant of Distribution Licence is still pending decision before the Authority.

DEPONENT

Bakhtiyawar
Brig Bakhtiyawar Lal Hussain (Retd)
Director Services Bahria Town Lahore
Date: 25 Jan 2024



ATTESTED
MUNICIPAL COMMISSIONER
Advocate High Court Lahore Pakistan



BAHRIA TOWN
Private Limited

Office of the Director
Bahria Orchards, Raiwind Road,
Bahria Town Lahore
Tel: 042-35451384
Fax: 042-35341610

BAHRIA TOWN

Ref: BTL/Svcs/Elect/PL/28-013

Dated: 25 Jan 2024

BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

**"Application for seeking Electric Power Supply License for Bahria Town,
Mohlanwal, Lahore and Bahria Orchards, Raiwind Road, Lahore"**

ON BEHALF OF BAHRIA TOWN (PRIVATE) LIMITED

AUTHORIZED STATEMENT

I, Brig Bakhtiyawar Lal Hussain (Retd), Director Services holding CNIC No. 35201-2986374-3 of **Bahria Town (Private) Limited** hereby confirm that the Applicant has never been refused any grant of license under the Act by the Authority.

Brig Bakhtiyawar Lal Hussain (Retd)
Director Services Bahria Town Lahore



E-STAMP



ID: PB-LHR- 82CE03922755C810
Type: Low Denomination
Amount: Rs 300/-

Scan for online verification

Description: AFFIDAVIT – 4
Applicant: BAHRIA TOWN PVT LTD [00000-0000000-0]
Representative From: BAHRIA TOWN PVT LTD
Agent: Self
Address: Lahore
Issue Date: 18-Jan-2024 11:47:23 AM
Delisted On/Validity: 25-Jan-2024
Amount in Words: Three Hundred Rupees Only
Reason: NEPRA ISLAMABAD
Vendor Information: Muhammad Javed | PB-LHR-832 | Kahna Nu Lahore

MUHAMMAD JAVED
Lic. # 83286-18-101 Lahore
Serial No. 101

نوٹ: یہ فراہم کی گئی تاریخ کے بعد سے صحت مند ہے۔ اس کے لیے کوئی عمل مستعمل نہیں ہے۔ اس اسٹامپ تصدیق کے ساتھ وہب پاور، کوآپریٹو ایس یا ایم ایس جا کی سے ہے۔
Type "eStamp <16 digit eStamp Number>" send to 8100

BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

"Application for seeking Electric Power Supply License for Bahria Town, Mohlanwal, Lahore and Bahria Orchards, Raiwind Road, Lahore"

ON BEHALF OF BAHRIA TOWN (PRIVATE) LIMITED

AFFIDAVIT

I, Brig Bakhtiyawar Lal Hussain (Retd) Director Services being the duly authorized representative of **Bahria Town (Private) Limited**, duly authorized in this regard by virtue of the Board Resolution attached with the Application, hereby solemnly affirm and declare that the Applicant is compliant with and shall always fulfill the obligations imposed on it under the National Electricity Policy and National Electricity Plan made under section 14A of the Act.

Bakhtiyawar
DEPONENT

Brig Bakhtiyawar Lal Hussain (Retd)
Director Services Bahria Town Lahore
Date 25 Jan 2024





BAHRIA TOWN

BAHRIA TOWN
Private Limited

Corporate Head Office
Bahria Town, Islamabad
Bahria Town, Lahore
Tel: 042-35431184
Fax: 042-35431110

Ref: BTL/Svcs/Elect/PL/28-015

Dated: 05 Apr 2024

The Registrar

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

Subject: **APPLICATION FILED BY BAHRIA TOWN (PRIVATE)
LIMITED FOR GRANT OF ELECTRIC POWER SUPPLY
LICENSE AT LAHORE**

Dear Sir,

This is with reference to the captioned subject in response to NEPRA letter NEPRA/R/LAS-100/3262 dated 06 Mar 2024 and NEPRA/R/LAS-100/4640 dated 27 Mar 2024..

Information/documents required vide NEPRA cited letter are submitted as under:-

- a. Pay Order bearing No 00592151 dated 05 Apr 2024 for Rs 2,428,336 (Rupees Two Million Four Hundred Twenty Eight Thousand Three Hundred Thirty Six only) on account of Application Fees as **Appendix -I.**
- b. Certified Copy of Certificate of Incorporation of the company has already been submitted with the application, however copy of the same is again attached as **Appendix-II.**
- c. Certified Copy of Memorandum and Articles of Association of the company has already been submitted with the application, however copy of the same is again attached as **Appendix-III.**
- d. Feasibility Report pertaining to Technical and Financial proposals in reasonable details has already been submitted with the Application, however a detailed Feasibility Report pursuant to Regulation 3(4)(c)(i)(B) of the Regulations is attached as **Appendix IV.**





BAHRIA TOWN

Bahria Town
Private Limited

Bahria Orchard, Rawwind Road,
Bahria Town Lahore
Tel: 042-35451384
Fax: 042-35341610

e. Information/Documents under Rule 3 of Supply Eligibility Criteria Rules:

- (1) The company fulfills the Minimum Solvency Requirements pursuant to Rule 3(b) read with Schedule I Clause 3(iii) of the Supply Eligibility Criteria Rules and has a minimum paid up capital of one hundred and fifty million rupees proof of which was
- (2) The company fulfills the Minimum Solvency Requirements pursuant to Rule 3(b) read with Schedule I Clause 3(iii) of the Supply Eligibility Criteria Rules and has a minimum paid up capital of one hundred and fifty million rupees proof of which was attached as Annexure-I(C) with the Application. The company's paid up capital at present is Rs 220,000,000/- (Rupees Two Hundred and Twenty Million only).
- (3) Company's Strategic Business Plan for three years duly signed along with Certified True Copy of the Extract of a Resolution Passed by the Board of Directors of Bahria Town (Pvt) Limited, demonstrating its capability to undertake electric power supply business pursuant to Rule 3 (c) of the Supply Eligibility Criteria Rules is attached as **Appendix V**.
- (4) The Applicant fulfills minimum human resource requirements pursuant to Rule 3(d) read with Schedule-II (Minimum Human Resource Requirements) Clause 3 read with Clause 2 of the Supply Eligibility Criteria Rules the proof of which has already been submitted with the Application as Annexure-III(A) & Annexure-III (B).
- (5) The Affidavit declaring and affirming fulfillment of obligations imposed on it under the National Electricity Policy and the National Electricity Plan made under Section 14A of the Act pursuant to Rule 3(e) read with Schedule-III (Affidavit) of the Supply Eligibility Criteria Rules has already been attached with the Application as Annexure VI (I).





BAHRIA TOWN

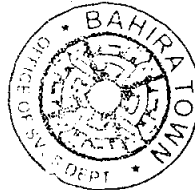
BAHRIA TOWN
Private Limited

Corporate Office: 100/101 -
Bahria Office Building, Bahria Town,
Bahria Town Lahore
Tel: 042-35341344
Fax: 042-35341610

- (6) Information regarding ability to ensure prompt and effective coordination with the system operation, market operator and relevant distribution licensees to comply with the provisions of grid code, distribution code, commercial code and other relevant legal instruments as applicable is attached as **Appendix-VI**.
- (7) Information regarding ability to discharge all kinds of stated public service obligation is attached as **Appendix-VI**.
- f. Following information/documents under Rule 4 of Supply Eligibility Criteria Rules is attached as **Appendix-VII**.
- (1) Information regarding capability to carry out detailed schemes and programmes for supplying electric power to all consumers pursuant to the regulations specified by the Authority is already sufficiently provided with the Application.
- (2) Information regarding budget developed, demonstrating its financial requirements to ensure that it has adequate financial resources available to engage in electric power supply in an effective and efficient manner has already been provided sufficiently with the Application Information regarding ability to provide electric power supply to the bulk power consumers of other electric power' supplier who defaults on its obligations of electric power supply have already been provided sufficiently with the Application.
- (3) Information regarding ability to ensure timely publication of the Authority's approved rates, charges and other terms and conditions on its website have already been provided sufficiently with the Application.
- g. Affidavit regarding fulfillment of Supply Eligibility Criteria under Rule 6 of the Eligibility Criteria Rules is enclosed as **Appendix VIII**.

Yours truly,

(Brig Bakhtiyawar Lal Hussain Retd)
Director Services Bahria Town Lahore



GOVERNMENT OF PAKISTAN



CERTIFICATE OF INCORPORATION

(Under section 32 of the Companies Ordinance, 1984 (XLVII of 1984))

Company Registration No. L 09003 of 1996-97

I hereby certify that "BAHRIA TOWN (PRIVATE) LIMITED"

//

//

//

//

is this day incorporated under the Companies Ordinance, 1984 (XLVII of 1984) and that

the company is limited by shares.

Given under my hand at Lahore.

this 14 day of January

one thousand nine hundred and ninety seven.

Fee Rs. =11,100/-



AKBAR
JOINT

SHAH)
REGISTRAR
OF COMPANIES

No-JRL/3890 #14/1/97

36158

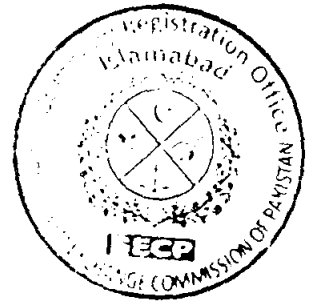
THE COMPANIES ORDINANCE, 1984

(Company Limited By Shares)

MEMORANDUM OF ASSOCIATION

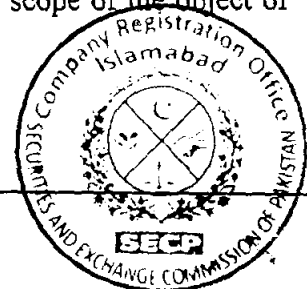
OF

BAHRIA TOWN (PRIVATE) LIMITED

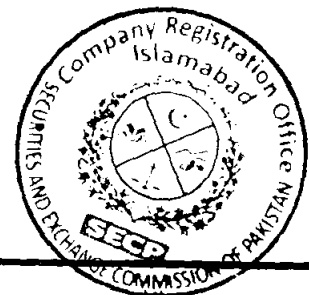


- I. The name of the Company **BAHRIA TOWN (PRIVATE) LIMITED.**
- II. The Registered Office of the Company will be situated in the Province of Punjab.
- III. The objects for which the Company is established are to undertake all or any of the following business:
 1. (a) To acquire and take over the running business now carried on under the name of Bahria Town, 60, Imran Khan Avenue, Chaklala Scheme-III, Rawalpindi, with all its assets and liabilities and property of that business including Land Buildings, Machinery, contracts, privileges, rights, license, concessions and with a view thereto to enter into an agreement with the said Bahria Town and to carry the same into effect with or without modifications with immediate effect.
 - (b) To carry on the business and management of Housing Estate Development all kinds of construction and to manage, maintain, improve, develop, control and construct housing societies, plazas, hotels, restaurants, shops, markets, bridges spillways, highways, reservoirs, hospitals, clinics, dispensaries, maternity homes, nurseries, schools, colleges, training centers, residential blocks/bungalows, commercial complex/centers, buildings, business offices, workshops, mills, factories, where houses, apartments, multistory flats, roads, footpaths, streets, sewerage and water treatment system, airport run-ways, electric and gas installation, dockyards, railway tracks/yards including hire and rent of buildings and construction and supply of material/equipments and to participate international tenders either singly as a company or in joint venture with foreign companies, individuals and firms subject to any permission required under the law.
 - (c) To carry out the distribution of electricity in the towns/colonies so developed/constructed and to obtain the necessary licenses/approvals from the relevant Authorities, Govt. Agencies, etc.

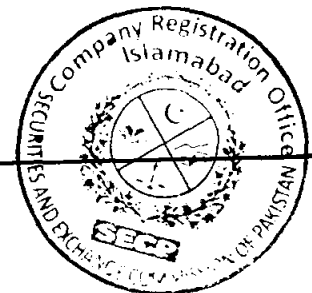
2. To carry on the business of estimation, drawing up or specifications and contracts, quantity surveying, supervision and execution of construction works and installation and maintenance thereof.
3. To construct, erect or maintain sewers, roads, waterworks, brick-kilns, and erection on of any description whatsoever; and to provide all civic facilities to occupiers or tenants thereof as are commonly provided.
4. To carry on the business of contractors and suppliers of goods of all description to Government, Central and Provincial, C.D.A., Local Bodies, Municipalities, L.D.A., K.D.A., Sui Northern Gas, WAPDA and other autonomous bodies, persons, hotels, hospitals, firms or corporations and to supply goods of all kinds for the purpose subject to any permission required by law of Pakistan.
5. To carry on the business of sales representatives either on commission or on profit sharing basis of all kinds of goods and materials.
6. To carry on business of supervisors, administrators, executors, contractors, agents, (except managing agents) experts, collaborations, advisors and negotiators of civil engineering, hydraulic engineering, chemical engineering, mining, metallurgy, agriculture, a forestations oil conservation and reclamation, industries, aeronautics, telephone, telegraphs and wireless communication, rail, roads, water and air transport, and all affairs relating thereto, petroleum-product, machinery for exploration of gas, mines, petrol and petroleum product.
7. To apply for, tender, offer and accept purchase or otherwise acquire any contracts and concessions for or in relation to the projection, execution, carrying out improvements, management, administration or control of works and conveniences and undertake, execute, carry out, dispose of or otherwise turn to account the same.
8. To buy, manufacture, mix, sell, refine, import, export and to carry on any business in minerals, methylated and rectified spirits dry or other colours, coal tar dyes, raw materials, pigments, dyes, paints, synthetic paints and thinners, coloured or other cements, varnishes, synthetic, resins, enamels, distempers, disinfectants oil, polishes, electroplating, abrasive and its chemicals, grease, Vaseline, creams, glue, geletine and other glue preparations and allied products.
9. To manufacture, produce, refine, process, formulates, buy, sell, import, export or otherwise deal in all types of heavy and light chemicals industrial chemicals, elements and compounds including laboratories, scientific chemicals or any nature used or capable of being used in the pharmaceutical industry, agricultural chemicals, fertilizers, petrochemicals, industrial chemicals or any mixtures, derivatives and compounds thereof.
10. To carry on the business of general order suppliers, including Government, Semi-Government agencies, Armed Forces, Army, Military or Defence and commission agents, indentors, traders and as general merchants, wholesalers, retailers, dealers, distributors, stockiest agent, sub-agent in any goods or products or within the scope of the object of the Company, subject to any permission required under the law.



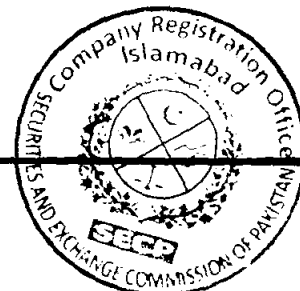
11. To carry on the business of clearing and forwarding agents, custom agents, cargo agents, travel agents, tour operators, common carriers and contractors.
12. To establish warehouses and to carry on the business of warehouse-men, stores, custodians, and to provide facilities for storage of commodities, articles, things, preparation of all kinds and description whatsoever, storage rooms, bins, godowns, cold storage, clearing and forwarding, transportation and distribution of beverages, food products and merchandise of all kinds.
13. To receive goods on consignment, from any company, firm, association of persons, body, whether incorporated or not, individuals, Government, Semi-Government or any local authority and sell the same as agents or on principal-to-principal basis.
14. To apply for, tender, offer and accept purchase or otherwise acquire any contracts and concessions for or in relation to the projection, execution, carrying out improvements, management, administration or control of works and conveniences and undertake, execute, carry out, dispose of or otherwise turn to account the same.
15. To carry on in or out of Pakistan the business of manufacturers, importers, exporters, indentors, transporters, dealers in all articles and commodities akin to or connected with any of the business of the Company capable of being conveniently carried on or necessary for the promotion of the objects herein contained, as permissible under law.
16. To carry on agency business (except managing agency) and to acquire and hold selling agencies and to act as selling agents, commission agents, manufacturers' representatives and distributing agents of and for the distribution of all kinds of merchandise, goods, commodities, products, materials, substances, articles and things whether finished, semi-finished, raw, under process, refined, treated or otherwise pertaining to trade and commerce and for that purpose to remunerate them and to open and maintain depots and branches.
17. To purchase, hire, apply for or otherwise acquire and hold for any interest, any rights, privileges, lands, building, easements, trade marks, patents, patent right, licenses, secret processes, machinery, plants, stock-in-trade, and any movable and immovable property or assets of any kind necessary or convenient for the purposes of or in connection with the Company's business or any branch or department thereof and to use, exercise, develop, grant licenses in respect of or otherwise turn to account any property, rights, and information so acquired, subject to any permission required under the law.
18. To acquire by concession, grant, purchase, barter, license either absolutely or conditionally and either solely or jointly with others any lands, buildings, machinery, plants, equipments, privileges, rights, licenses, trade marks, patents, and other movable and immovable property of any description which the Company may deem necessary or which may seem to the Company capable of being turned to account, subject to any permission as required under the law.



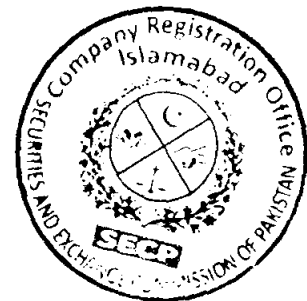
19. To act as representatives, for any person, firm or company and to undertake and perform sub-contracts, and also act in the business of the Company through or by means of agents, sub-contractors and to do all or any of the things mentioned herein in any part of the world and either alone or in collaboration with others and by or through agents, sub-contractors, or otherwise.
20. To go in for, buy or otherwise acquire and use any patent design, copyright, license, concession, convenience, innovation, invention, trade marks, secret device, or process, rights, or privileges, plants, tools or machinery and the like in Pakistan or elsewhere, which may for the time being appear to be useful or valuable for adding to the efficiency or productivity of the Company's work or business, as permissible under the law.
21. To acquire and carry on all or any part of the business or property and to undertake any liabilities of any person, firm, association or Company's possession of property suitable for any of the purposes of the Company or carrying on any business which this Company is authorized to carry on and in consideration for the same, to pay cash or to issue shares of the Company.
22. To enter into arrangements with the government or authority (supreme, municipal, local or otherwise) or any corporation, company, or persons that may seem conducive to the Company's objects or any of them and to obtain from any such government, authority, corporation, company or person any charters, contracts, rights, privileges and commission which the Company may think desirable and to carry on exercise and comply with any such charters, contracts, decrees, rights, privileges and concessions.
23. To enter into partnership, to amalgamate, or merge movable with immovable and/or to buy on all interests, assets, liabilities, stocks or to make any arrangement for sharing profits, union of interests, cooperation, joint venture, reciprocal concession or otherwise with any person, firm or company carrying on or proposing to carry on any business which this Company is authorized to carry on or which is capable of being conducted so as directly or indirectly to benefit this Company and to have foreign collaborations and to pay royalties/technical fees to collaborators subject to the provisions of the Companies Ordinance, 1984.
24. To establish, promote or assist in establishing or promoting and subscribe to or become a member of any other company, association or club whose objects are similar or in part similar to the objects of this Company or the establishment or promotion of which may be beneficial to the Company, as permissible under law.
25. To open accounts with any Bank or Banks and to draw, make, accept, endorse, execute, issue, negotiate and discount cheques, promissory notes, bills of exchange, bills of lading, warrants, deposit notes, debentures, letter of credit and other negotiate instruments and securities.
26. To arrange local and foreign currency loans from schedule banks, industrial banks and financial institutions for the purpose of purchase, and import of machinery, construction of factory, building and for the purpose of working capital or for any other purpose.



27. To sell or otherwise dispose of the whole or any part of the undertaking of the Company, either together or in portions, for such consideration as the Company may think fit and in particular, for shares, debenture-stock or securities of any Company purchasing the same.
28. To borrow or raise money by means of loans or other legal arrangements from banks, or other financial institutions, or Directors in such manner as the Company may think fit and in particular by issue of debentures, debenture stock, perpetual or otherwise convertible into shares and to mortgage, or charge the whole or any part of the property, assets or revenue of the Company, present or future, by special assignment or to transfer or convey the same absolutely or in trust as may seem expedient and to purchase, redeem or pay off any such securities.
29. To pay all costs, charges, and expenses preliminary or incidental incurred in formation or about the promotion and establishment of the Company and to remunerate any person, firm or company for services rendered or to be rendered in or about the formation or promotion of the Company or the conduct of its business.
30. To give any servant or employee of the Company commission in the profits of the Company's business or any branch thereof and for the purpose to enter into any arrangement or scheme the Company may deem fit and to procure any servants or employees of the Company to be insured against risk of accident in the course of their employment by the Company.
31. To establish and support or aid in the establishment and support of funds, trusts and conveniences calculated to benefit persons who are or have been Directors of or who have been employed by or who are serving or have served the Company or any other Company which is a subsidiary or associate of the Company or the dependents or connection of such persons and to grant pensions, gratuities, allowances, relief and payments in any other manner calculated to benefit the persons described herein.
32. To capitalize such portion of the profits of the Company as are not distributed among shareholders of the Company in the form of dividend as the Company may think fit and for the purpose to issue bonus shares as fully paid up, in favour of the shareholders of the Company.
33. To establish, construct, manage, maintain and run any charitable institutions, hospitals, research institutes for the benefit of the public or employees of the Company, their families and dependents and to send any person, employees or Directors of the Company abroad to any foreign country or in Pakistan.
34. To distribute any of the Company's property and assets among the members in specie or in any manner whatsoever.
35. To adopt such means of making known the business and products of the Company as may seem expedient, and in particular by advertisement in press by circulars, by purchase and exhibitions of works of art or interest, by publication of books and periodicals and by granting prizes, rewards, donations and also giving advertisements as permissible under law.

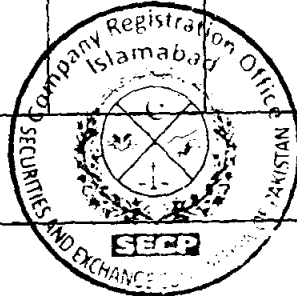


36. To carry out joint venture agreements with other companies or countries.
 37. To cause the Company to be registered or recognized in any foreign country.
 38. To do and perform all other acts and things as are incidental or conducive to the attainment of the above objects or any of them.
 39. To apply for and obtain necessary consents, permissions and licenses from any Government, State, Local and other Authorities for enabling the Company to carry on any of its objects into effect as and when required by law.
 40. It is declared that notwithstanding anything contained in the foregoing object clauses of this Memorandum of Association nothing contained therein shall be construed as empowering the Company to undertake or to indulge in business of banking company, banking, leasing, investment, pre-payment sales scheme, managing agency or insurance business directly or indirectly as restricted under the law or any unlawful operation.
- IV. The liability of the members is limited.
- V. The Authorized Share Capital of the company is Rs. 1,200,000,000/= (Rupees One Billion Two Hundred Million Only) divided into 120,000,000 (One Hundred Twenty Million Only) ordinary shares of Rs. 10/= (Rupees Ten Only) each with powers to increase or reduce the Capital of the Company and to divide the shares in the Capital for the time being into several classes in accordance with the provisions of Companies Ordinance, 1984.



We, the several persons, whose names and addresses are subscribed below, are desirous of being formed into a Company, in pursuance of this Memorandum of Association, and we respectively agree to take the number of shares in the Capital of the Company as set opposite to our respective names.

Name & Surname (Present & Former) in Full (in Block Letters)	Father's/Husband's Name in Full	Nationality with any former Nationality	Occupation	Residential Address (in Full)	Number of shares taken by each subscriber	Signature
1. Commander NISAR AHMED (Retd) Nominee of BAHRIA FOUNDATION	Commander Ghulam Ahmed (Late) N/A	Pakistani N/A	Business Executive Foundation	D-6. Street 4, F-8, Islamabad 6 th Floor, Bahria Complex, M.T. Khan Road, Karachi	99	
2. Commodore MOHAMMAD ILYAS SI(M) S.Bt(Retd)	Mr. Atta Mohammad (Late)	Pakistani	Business Executive	314. Street No.16, G- 10/2, Islamabad	1	
3. MR. MALIK RIAZ HUSSAIN	Mr. Malik Ashiq Hussain	Pakistani	Business Executive	8, Gulnar Colony Cobb Line Peshawar Road, Rawalpindi Cantt.	50	
4. MR. MAHBOOB SHAUKAT	Ch. Abdul Qadir	Pakistani	Business Executive	107-A, Street No.41, F- 10/4, Islamabad	50	
5. MRS. BINA RIAZ	Mr. Malik Riaz Hussain	Pakistani	House Wife	8, Gulnar Colony Cobb Line Peshawar Road, Rawalpindi Cantt.	800	
				Total Number of Shares Taken	1,000 (One Thousand)	



Dated this 6th day of December 1995.

Witness to the above Signatures:

Full Name: Rana M. Usman Khan

Father's Full Name: Atta Mohammad Khan

Nationality: Pakistani

Occupation: Chartered Accountant

Full Address: 127-Habitat House
Cricket House, Gulberg Road
Lahore

Signature: _____

No. ADI 06158

Dated 07/05/18

Additional Joint Registrar
Company Registration Office Islamabad

415/278

THE COMPANIES ORDINANCE, 1984

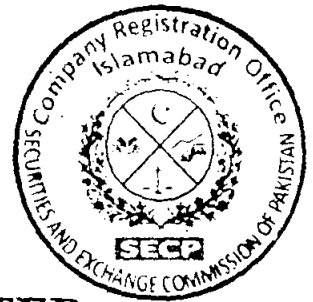
(Company Limited By Shares)

ARTICLES OF ASSOCIATION

OF

BAHRIA TOWN (PRIVATE) LIMITED

PRELIMINARY



1. Subject as hereinafter provided, the Regulations contained in Table 'A' of the First Schedule to the Companies Ordinance, 1984, (hereinafter referred to as Table 'A') shall apply to the Company so far as those are applicable to Private Companies, with the exception of the Regulations which are modified, altered or added hereunder:

DEFINITIONS AND INTERPRETATION

2. In these presents unless there be something in the subject or context inconsistent therewith, words signifying the singular number only, shall include the plural and vice versa and words signifying males only shall extend to and include females and words signifying persons, shall apply mutates mutandis to bodies corporate.

"The Company" means **"BAHRIA TOWN (PRIVATE) LIMITED."**

"The Office" means the registered office of the Company for the time being.

"Section" means Section of the Ordinance.

"Ordinance" means the Companies Ordinance, 1984.

"Month and year" shall mean the English calendar month and English calendar year respectively.

"The Register" means the Register of members to be kept pursuant to Section 147 of the Companies Ordinance, 1984.

"In Writing or Written" includes printed, lithographed and typewritten or other modes of representing words in visible and legible form.

"Dividend" includes bonus shares.

"Capital" shall mean the Capital of the Company for the time being raised or authorized to be raised for the purpose of the Company.

"Shares" shall mean the shares in the capital of the Company for the time being.

"These Presents" shall mean the Memorandum of Association of the Company and these Articles and all supplementary, substituted or amended Articles for the time being in force.

"The Seal" in relation to a Company means the Common Seal of the Company.

"The Directors" means the Director for the time being of the Company including alternate Directors, as the case may be.

"Board" means a meeting of Directors duly called and constituted or the Directors assembled at a Board, as the case may be.

PRIVATE COMPANY

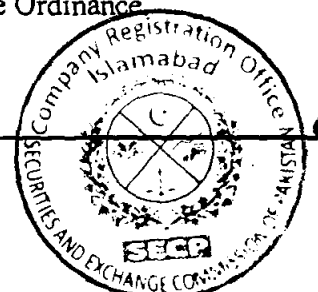
3. The Company is a Private Company within the meaning of Clause 28 of Section 2(1) of the Companies Ordinance, 1984 and accordingly:
 - (a) No invitation shall be issued to the public to subscribe for any shares, debentures or debenture-stock of the Company.
 - (b) The number of the members of the Company (exclusive of persons in the employment of the Company) shall be limited to fifty provided that for the purpose of this provision where two or more persons hold one or more shares in the Company jointly they shall for the purposes of this clause be treated as a single members, and
 - (c) The right to transfer shares of the Company is restricted in the manner and to the extent hereinafter appearing.

BUSINESS

4. The Company is entitled to commence business from the date of its incorporation.
5. The business of the Company shall include all or any of the objects enumerated in the Memorandum of Association.
6. The business of the Company shall be carried out at such place or places in the whole of Pakistan or elsewhere as the Directors may deem proper or advisable from time to time.

CAPITAL

7. The Authorized Share Capital of the Company is Rs. 1,200,000,000/= (Rupees One Billion Two Hundred Million Only) divided into 120,000,000 (One Hundred Twenty Million Only) ordinary shares of Rs. 10/= (Rupees Ten Only) each with powers to increase, reduce, consolidate, sub-divide, re-organise or to divide the share capital of the Company into several classes in accordance with the provisions of the Ordinance.



SHARES

8. Subject to the provisions of the Ordinance, the shares shall be under the control of the Board of Directors who may allot or otherwise dispose of the same to such persons, firms, corporation or corporations, on such terms and conditions and for such considerations and at any such times as may be thought fit.
9. The shares in the Capital of the Company may be allotted or issued in payment or part payment of any property, land, machinery or goods supplied or any services rendered to the Company or promotion or formation of the Company or conduct of its business and any share so allotted may be issued as fully paid shares.
10. Where at any time the Board decides to increase the issued capital of the Company by issuing any further shares, then subject to the provisions of Section 86 of the Companies Ordinance 1984, all new shares shall be offered to the members in proportion to the existing shares held by each member, and such offer shall be made by notice under registered post or circular specifying the number of shares to which the members is entitled, and limiting a time within which the offer, if not accepted, will be deemed to be declined; and after the expiration of such time, or on receipt of information from the member to whom such notice is given that he declines to accept the shares offered, the Board may dispose of the same in such manner as it may consider most beneficial to the Company.

CERTIFICATE

11. Every person whose name is entered, as a member in the Register of Members shall without payment, be entitled to a certificate under the Common Seal of the Company specifying the share; held by several persons. The Company shall not be bound to issue more than one certificate and delivery of a share certificate to any one of several joint holders shall be sufficient delivery to all.
12. If a share certificate is defaced, lost or destroyed, it may be renewed on payment of such fee, and on such terms, as to evidence and indemnity and payment of expenses incurred by the Company in investigating title as the Directors think fit.

TRANSFER OF SHARES

13. The instrument of transfer of any share in the Company shall be executed both by the transferor and transferee, and the transferor shall be deemed to remain holder of the share until the name of the transferee is entered in the Register of members in respect thereof.
14. Shares in the Company shall be transferred in the form prescribed by Table 'A' in the First Schedule or in any usual or common form, which the Directors shall approve.



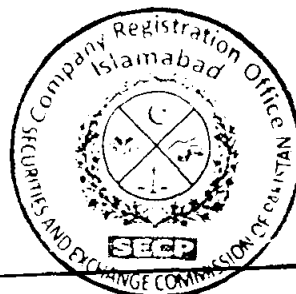
15. The Directors shall not refuse to transfer any fully paid shares unless the transfer deed is defective or invalid. The Directors may also suspend the registration of transfer during the ten days immediately preceding a General Meeting or prior to the determination of entitlement or rights of the shareholders by giving seven days previous notice in the manner provided in the Ordinance. The Directors may decline to recognize any instrument of transfer unless:-
- (a) A fee as may be determined by the Directors is paid to the Company in respect thereof.
 - (b) The duly stamped instrument of transfer is accompanied by the certificate of the shares to which it relates, and such other evidence as the Directors may reasonably require to show the right of the transferor to make the transfer.
16. If the Directors refuse to register a transfer of shares, they shall within one month after the date on which the transfer deed was lodged with the Company send to the transferee and the transferor notice of the refusal indicating the defect or invalidity to the transferee, who shall after removal of such defect or invalidity be entitled to re-lodge the transfer deed with the Company.

TRANSMISSION OF SHARES

17. The executors, administrators, heirs, or nominees, as the case may be, of a deceased sole holder of a share shall be the only person recognized by the Company as having any title to the share. In the case of a share registered in the names of two or more holders, the survivor or survivors shall be the only persons recognized by the Company as having any title to the share.
18. Any person becoming entitled to a share in consequence of the death or insolvency of a member shall, upon such evidence being produced as from time to time be required by the Directors.
19. A person becoming entitled to a share by reason of the death or insolvency of the holder shall be entitled to the same dividends and other advantages to which he would be entitled if he were the registered holder of the share, except that he shall not, before being registered as a member in respect of the share, be entitled in respect of it to exercise any right conferred by membership in relation to meetings of the Company.

ALTERNATION OF CAPITAL

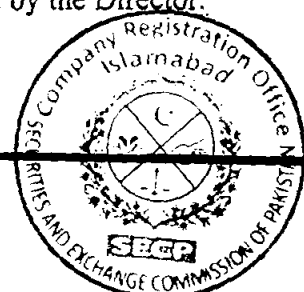
20. The Company may, from time to time, by Special Resolution, increase the share capital by such sum, to be divided into shares of such amount, as the resolution shall prescribe.



21. Subject to the provisions of the Ordinance, all new shares shall, before issue, be offered to such persons as at the date of the offer are entitled to receive notices from the Company of General Meetings in proportion, as nearly as the circumstances admit, to the amount of the existing shares to which they are entitled. The offer shall be made by notice specifying the number of shares offered, and limiting a time within which the offer, if not accepted, will be deemed to be declined, and after the expiration to that time, or on the receipt of an intimation from the person to whom the offer is made that he declines to accept the shares offered, the Directors may dispose of the same in such manner as they think most beneficial to the Company. The Directors may likewise so dispose of any new shares which (by reason of the ratio which the new shares bear to shares held by persons entitled to an offer of new shares) cannot, in the opinion of the Directors, be conveniently offered under this regulation.
22. The new shares shall be subject to the same provisions with reference to transfer, transmission and otherwise as the shares in the original share capital.
23. The Company may, by special resolution:-
- (a) Consolidate and divide its share capital into shares of larger amount than its existing shares;
 - (b) Sub-divide its existing shares or any of them into shares of smaller amount than is fixed by the Company's Memorandum of Association, subject, nevertheless, to the provisions to clause (d) of sub section (1) of section 92;
 - (c) Cancel any shares, which, at the date of the passing of the resolution, have not been taken or agreed to be taken by any person.
24. The Company may, by Special Resolution, reduce its share capital in any manner with, and subject to, any incident authorized and consent required by law.

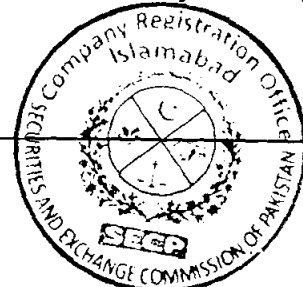
GENERAL MEETINGS

25. The first General Meeting to be called Annual General Meeting, shall be held, within 18 months from the date of its incorporation in accordance with provisions of section 158 and thereafter once at least in every year and within a period of six months following the close of its financial year and not more than fifteen months after the holding of its last preceding Annual General Meeting as may be determined by the Directors.
26. All General Meetings of Company other than the Annual General Meeting mentioned in section 158 shall be called Extraordinary General Meetings.
27. The Directors may, whenever they think fit, call an Extraordinary General Meeting. The Extraordinary General Meetings shall also be called on such requisition, or in default, may be called by such requisitionists, as is provided by Section 159. If at any time there are not within Pakistan sufficient directors capable of acting to form a quorum, any director of the Company may call an extraordinary General Meeting in the same manner as nearly as possible as that in which meetings may be called by the Director.



PROCEEDINGS AT GENERAL MEETINGS

28. Subject to the provisions of Sub-Section (3) of Section 158 of the Companies Ordinance, 1984, at least 21 days' notice (exclusive of the day on which the notice is given) specifying the place, the date and the hour of meeting and in case of special business, the general nature of that business, shall be given to such persons as are, under the Companies Ordinance, 1984 or the regulations of the Company, entitled to receive such notices from the Company, but the accidental omission to give such notice to or the non receipt of such notice by any member shall not invalidate the proceedings at any General Meeting.
29. All business shall be deemed special that is transacted at an Extraordinary General Meeting, and also all that is transacted at an Annual General Meeting with the exception to sanctioning a dividend, the consideration of the accounts, balance sheets and the reports of the Directors and Auditors, the election of Directors and the appointment and fixing of the remuneration of the Auditors.
30. No business shall be transacted at any General Meeting unless a quorum of members is present at the time when the meeting proceeds to business, save as herein otherwise provided, two members present in person or by proxy representing not less than 25% of the total voting power either on their own account or as proxy shall form a quorum.
31. If within half an hour from the time appointed for the meeting a quorum is not present, the meeting, if called upon by the requisition of members shall be dissolved, in any other case it will stand adjourned to the same day in the next week at the same time and place, and if adjourned meeting, quorum is not present within half an hour, the members present personally or by proxy being not less than two shall be a quorum.
32. The Chairman of the Company shall preside as Chairman at every General Meeting of the Company.
33. If there is no such Chairman or if at any meeting he is not present within fifteen minutes at the time appointed for holding the meeting or is unwilling to act a Chairman, the members present shall choose one of their members to be the Chairman.
34. The Chairman may, with the consent of any meeting at which a quorum is present and shall if so directed by the meeting adjourn the meeting from time to time and from place to place, but no business shall be transacted at any adjourned meeting other than the business left unfinished of the meeting from which the adjournment took place. When a meeting is adjourned for ten days or more, notice of the adjourned meeting shall be given as in the case of an original meeting. Save as aforesaid, it shall not be necessary to give any notice of any adjournment of the business to be transacted at an adjourned meeting.
35. At any General Meeting, a resolution put to the vote of the meeting shall be decided on a show of hands unless a poll is (before or on the declaration of the result of the show of hands) demanded. Unless a poll is so demanded, a declaration by the chairman that resolution has, on a show of hands, been carried, or carried unanimously, or by a particular majority, or lost, and an entry to that effect in the books of the proceedings of

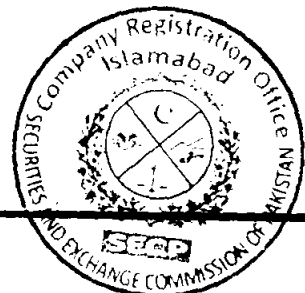


the Company shall be conclusive evidence of the fact, without proof of the number or proportion of the votes recorded in favour of, or against that resolution.

36. If a poll is demanded as aforesaid, it shall be taken in the manner as is provided under Section 167 and 168 of Ordinance.
37. In the case of an equality of votes whether on a show of hands or on a poll, the Chairman of the meeting at which the show of hands takes place, or at which the poll is demanded, shall be entitled to have and exercise a second or casting vote.
38. A poll demanded on the election of a Chairman or on a question of adjournment shall be taken at once.

VOTES OF MEMBERS

39. On a show of hands every member present in person shall have one vote except for election of directors in which case the provisions of Section 178 shall apply. On a poll every member shall have voting rights as laid down in Section 160.
40. In case of joint-holders, the vote of the senior who tenders a vote, whether in person or by proxy, shall be accepted to the exclusion of the votes of the other joint-holders; and for this purpose seniority shall be determined by the order in which the names stand in the register of members. In case of minor, the guardian shall be entitled to vote for him.
41. A member of unsound mind, or in respect of whom an order has been made by any court having jurisdiction in lunacy, may vote, whether on show of hands or on a poll, by his committee or other legal guardian, and any such committee or guardian may, on a poll vote by proxy.
42. On a poll votes may be given either personally or by proxy provided that no body corporate shall vote by proxy as long as a resolution of its directors in accordance with the provisions of Section 162 of the Company Ordinance, 1984 is in force.
43. The instrument appointing a proxy shall be in writing under the hand of the appointer or by his attorney duly authorized in writing, if the appointer is a corporation either under the common seal, or under the hand of an officer or attorney so authorized. No person shall act as a proxy unless he is a member of the Company.
44. The instrument appointing a proxy and the power of attorney or other authority (if any) under which it is signed, or a notary ally certified copy of that power or authority, shall be deposited at the registered office of the Company not less than forty-eight hours before the time for holding the meeting at which the person named in the instrument proposes to vote and in default the instrument of proxy shall not be treated as valid.
45. An instrument appointing proxy may be in the following form, or in any other form near thereto as may be approved by the Company.



BAHRIA TOWN (PRIVATE) LIMITED

I _____ of _____ in the district of _____ being a member of "BAHRIA TOWN (PRIVATE) LIMITED", hereby appoint Mr. _____ of _____ as my Proxy to vote for me and on my behalf at the Annual General Meeting or Extraordinary General Meeting of the Company to be held on the _____ day of _____ 200_____ and at any adjournment thereof.

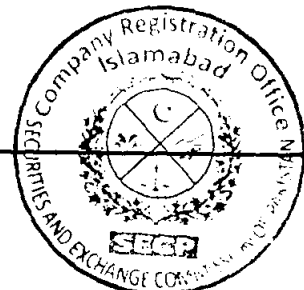
Dated

Signed

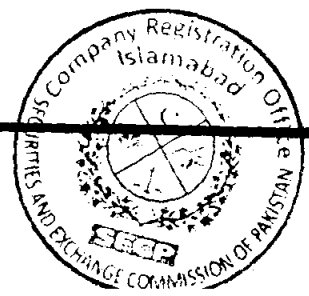
46. A vote given in accordance with the terms of an instrument of proxy shall be valid notwithstanding the previous death or insanity of the principal or revocation of the proxy or of the authority under which the proxy was executed, or transfer of the share in respect of which the proxy is given, provided that no intimation in writing of such death, insanity, revocation of transfer as aforesaid shall have been received by the Company at the Office before the commencement of the meeting or adjourned meeting at which the proxy is used.

DIRECTORS

47. The Directors of the Company shall, subject to Article 48 hereof, fix the number of elected Directors of the Company, not being less than four (2) and not later than 35 days before convening of the General Meeting at which Directors are to be elected and the number so fixed shall not be changed except with the prior approval of the General Meeting the Company.
48. The qualification of a Director shall be holding of shares in the Company of the nominal value of Rs.10 (Rupees Ten only) at least in his own name, relax able in the case of Directors representing interest holding shares of requisite value.
49. Unless otherwise determined by the Company in General Meeting in the manner provided under Article 47, the number of Directors shall not be less than four (4). The following are the first Directors of the Company who shall hold office till the First Annual General Meeting.
1. Commodore MOHAMMAD ILYAS SI(M), SBt (Retd)
 2. MR. MALIK RIAZ HUSSAIN
 3. MR. MAHBOOB SHAUKAT
 4. MRS. BINA RIAZ
50. The Directors of the Company shall, unless the number of persons who offer themselves to be elected is not more than the number of Directors fixed under Articles Clauses 47 and 49 be elected by the members of the Company in General Meeting in the following manner namely:-



- (a) a member shall have such number of votes as is equal to the products of the number of voting shares or securities held by him and the number of Directors to be elected;
 - (b) a member may give all his votes to a single candidate or divide them between more than one of the candidates in such manner as he may choose; and
 - (c) the candidate who gets the highest number of votes shall be declared elected as Director and then the candidate who gets next highest number of votes shall be so declared and so on until the total number of Directors to be elected has been so elected.
51. All elected Directors shall retire from office at the General Meeting held after every three years. A Director retiring at a meeting shall retain office until the election of Directors in the meeting.
52. Subject to the provisions of Section 181 of the Companies Ordinance, the Company may by resolution in General Meeting remove a Director appointed under Article Clause 58 or elected in the manner provided for in Article Clause 45 hereof.
53. In addition to the Directors elected or deemed to have been elected by shareholders, the Company may have Directors nominated by the Company's creditors or other special interest holders by virtue of contractual arrangements.
54. Save as provided in Section 187, no person shall be appointed as a Director unless he is member of the Company.
55. The Directors of the Company elected under Article Clause 50 shall hold office for three years except the Directors appointed against casual vacancy who shall be subject to retirement in term of Article Clause 58 hereof.
56. A retiring Director shall be eligible for re-election.
57. Subject to the provisions of the Ordinance, the Company may from time to time in General Meeting increase or decreases the number of Directors.
58. Any casual vacancy occurring on the Board of Directors may be filled up by the Directors, but the person so chosen shall be subject to retirement at the same time as if he had become a Director on the day on which the Director in whose place he is chosen was last elected as Director.
59. A Director who is out of Pakistan or about to go out of Pakistan for a period of not less than three (3) months may, with the approval of the Directors, appoint any duly qualified person to be an Alternate Director during his absence abroad and such appointment shall have effect and such appointee while he holds office as an Alternate Director shall be entitled to notice of meetings of the Directors and to attend and vote there at accordingly, but he shall ipso facto vacate office as Director if and when the appointer returns to



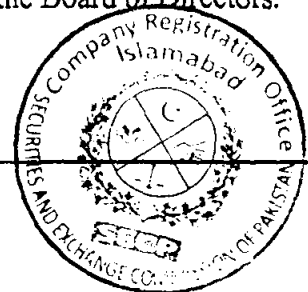
Pakistan, or vacate office as Director, or remove the appointee from office. Any appointment under this Article shall be effected by notice in writing under the hand of the Director making the same.

REMUNERATION

60. Each Director other than regularly paid Chief Executive and full time working Director shall receive out of the funds of the Company a sum, as may be fixed by the Directors, not exceeding Rs.500/- for each meeting attending by him plus other expenses incurred by him in connection with attending of Board's meeting.
61. Subject to the provisions of the Companies Ordinance, the remuneration of Directors including Chief Executive shall from time to time be determined by the Company's Board of Directors.
62. The Director may also sanction the payment of such additional sum, as they may think fit to any Director for the performance of extra services he may render to the Company subject to the approval of the shareholders at a General Meeting in accordance with the provisions of the Companies Ordinance, 1984.
63. The Director who resides out of station shall also be entitled to be paid such traveling and the Directors may fix other expenses as from time to time.

PROCEEDINGS OF DIRECTORS

64. Directors may meet together for the dispatch of business, adjourn and otherwise regulate their meeting and proceedings as they think fit provided that they shall meet once every four (4) months.
65. The quorum necessary for the meeting of Board of Directors shall be not less than two Directors present in person.
66. The Directors may from time to time elect a Chairman, and determine the period for which he is to hold office and not exceeding three (3) years, but if no such Chairman is elected or if at any meeting the Chairman is not present within fifteen minutes after the time appointed for holding the meeting or is unwilling to act as Chairman, the Directors present shall choose any one of their members to be Chairman for that meeting.
67. No business shall be transacted at any meeting of the Board of Directors unless the quorum is present. If quorum is not present the meeting shall be dissolved and a new meeting convened. The meeting so convened shall have the authority to transact any business whether or not the quorum is present. The notice served for the purpose of notice at least seven calendar days.
68. Questions arising at any Board meeting shall be decided by a majority of votes and, in case of an equality of votes, the Chairman shall have a second and casting vote. Decisions on the following matters shall require the approval of the Board of Directors.



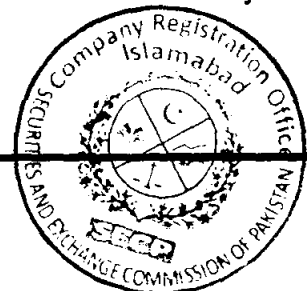
- (a) any transaction of the Company, or of its other projects, with a director or shareholder, or with companies or firms directly or indirectly controlled by a director or shareholder, or with an undertaking associated with the Company, a director or shareholder, his or her spouse(s), brother(s), sister(s) or the lineal ascendants or descendants of any of the aforesaid persons;
 - (b) borrowing in excess of Rs.1,000,000 (Rupees One Million) or foreign currency equivalent;
 - (c) appointment, removal and remuneration of the Chief Executive and Executive Director;
 - (d) purchase, lease, or disposition of fixed assets with a value in excess of Rs.500,000 (Rupees Five Hundred Thousands) or foreign currency equivalent;
 - (e) further issues of capital;
 - (f) approval of share transfers and dividends;
 - (g) appointment and removal of auditors;
 - (h) acquisition of interest in new ventures and commencement of new projects; and
 - (i) interruption and closing of operations.
69. Subject to the provisions of the Ordinance, a resolution in writing signed by all the Directors, without a meeting of Directors shall be effective for all purposes as a resolution passed at the meeting of Directors duly held, called and constituted.

DISQUALIFICATION OF DIRECTORS

70. No person shall become a Director of the Company, if he suffers from any of the disabilities or disqualifications mentioned in Section 187 and if, already a Director, shall cease to hold such office from the date he so becomes disqualified or disabled.
71. All acts done by any meeting of Directors or by a Committee of Directors or by any person acting as a Director shall, notwithstanding that it shall afterwards be discovered that there was some defect in the appointment of such Director, or person acting as foresaid, as they or any of them were disqualified, be as valid as if every such person had been duly appointed and was qualified to be a Director.

POWERS AND DUTIES OF DIRECTORS

72. The business of the Company shall be managed by the Directors who may pay all expenses incurred in promoting and registering the Company and may exercise all such powers of the Company as are not by the Ordinance or any statutory modification thereof for the time being in force, or by these regulations required to be exercised by the



Company in the General Meeting, subject nevertheless to the provisions of the Ordinance or to any of these regulations, and such regulations being not inconsistent with the aforesaid provisions, as may be prescribed by the Company in the General Meeting but no regulation made by the Company in General Meeting shall invalidate any prior act of the Directors which would have been valid if that regulation had not been made.

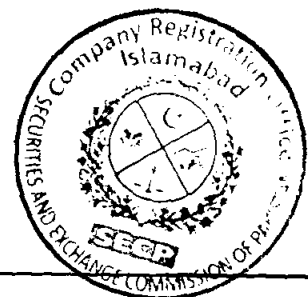
73. The Directors shall duly comply with the provisions of the Ordinance or any statutory modification thereof for the time being in force and in particular with the provisions in regard to the registration of the particulars of mortgage charges effecting the property of the Company or created by it, to the keeping of a register of the Directors, and to the sending to the Registrar of an annual list of members and a summary of particulars relating thereto and notice of any consolidation or increase or decrease of share capital or sub-division of shares and copies of special resolution and a copy of the register of Directors and notifications of any changes therein.
74. The Directors shall cause minutes to be made in books provided for the purpose :-
- (a) of all appointment of officers made by the Directors;
 - (b) of the names of the Directors present at each meeting of the Directors and of any committee of the Directors;
 - (c) of all resolutions and proceedings at all meetings of the Company and of the Directors and of any committee of Directors;
 - (d) and every Director present at any meeting of Directors or committee of Directors shall sign his name in a book kept for the purpose.

NOMINEE DIRECTOR

75. In addition to the elected Directors, the Financial Institutions shall be entitled, during the currency of their respective loan(s) to the Company, to appoint one person on the Board of Directors of the Company to be called Nominee Director and to recall and/or replace such a person from time to time. Such Nominee Director on the Board of Directors of the Company may not be holder of Share(s) in the Capital of the Company and other regulations and/or rules pertaining to the election, retirement, qualification and/or disqualification of the Director shall not apply to him.

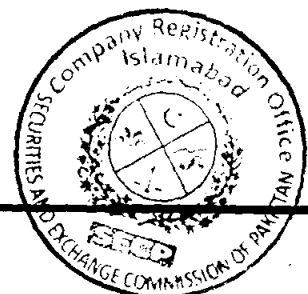
CHIEF EXECUTIVE

76. The Company shall appoint a person who is not ineligible to become a Director of the Company under Section 187, to be a Chief Executive. **Mr. Malik Riaz Hussain** is the first Chief Executive of the Company who shall hold office till the first Annual General Meeting.



MANAGEMENT

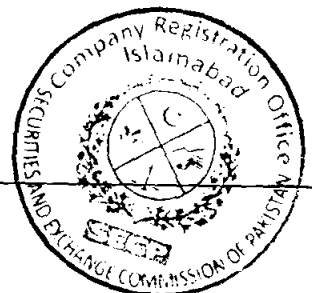
77. The whole business of the Company shall be carried on by the Chief Executive who shall have all powers, authorities and discretions as are given to or vested in by the Companies Ordinance, 1984 or may be entrusted by these presents.
78. The Chief Executive subject to Article 68, supervision and control of Board of Directors, without prejudice to or in any way restricting or limiting the general powers and authority here-to-fore conferred by these presents or the Companies Ordinance, 1984 shall have the power to do or concur in doing all or any of the following acts or things :-
- (a) To take on lease, purchase, erect or otherwise acquire for the Company any land, building, property, rights or privileges which the Company is authorized to acquire at such price and generally on such terms and conditions, as he thinks fit.
 - (b) To sell, let, exchange or otherwise dispose of absolutely or conditionally all or any part of the property, privileges and undertaking of the Company upon such terms and conditions and for such consideration as he may think fit.
 - (c) To buy, sell, import, export or procure the supply of all plants and machinery, material, stocks in trade and other movable and immovable property and things required for the purpose of the Company.
 - (d) To engage, fix and pay the remuneration of and dismiss or discharge any manager, engineer, agent, secretary, clerk, accountant, workman, expert, technical adviser, or other persons employed or to be employed in or in connection with the business of the Company.
 - (e) To appoint any person to be attorney of the Company for such purposes and with such powers, authority and discretion and for such period and subject to such conditions as he may from time to time think fit and to revoke such powers at his pleasure.
 - (f) To enter into, carry, rescind or vary all financial arrangements or agreement with any banks, persons or corporations for, or in connection with the Company's business and affairs and in connection with such arrangement to deposit, pledge, hypothecate any property of the Company or the documents representing or relating to the same.
 - (g) To take and give receipts and other discharges for money payable to the Company and for the claims and demands of the Company and to draw, accept and endorse, negotiable promissory notes, bills of exchange or other negotiable and transferable instruments.
 - (h) To deal with the money of the Company not immediately required for the purpose thereof upon such terms and conditions as may be thought expedient.



- (i) To determine who shall be entitled to sign on Company's behalf, bills, cheques, notes, receipts, acceptances, endorsements, releases, contracts and documents.
- (j) To enter into such negotiations and contracts and rescind or vary as such contracts and execute and do all such acts, deeds and things in the name of the Company as he may consider expedient.
- (k) To open accounts with any bank or bankers or with any company, firm, individual and to pay into and withdraw money from such accounts from time to time.
- (l) To insure the movable and immovable property of the Company.
- (m) To pay to any person employed by the Company a commission on the profits of the Company.
- (n) To institute, combat, prosecute, defend, compound, settle, compromise, adjust, refer to arbitration, withdraw, abandon any legal proceedings by or against the Company or its officers or otherwise concerning the affairs of the Company.
- (o) To make advances for the business of the Company to such persons upon such security or without security as the may think fit, and generally to direct, manage, control the receipts, custody, employment, investment and expenditure of the moneys and funds of the Company and the keeping of accounts thereof.
- (p) To appear for and on behalf of the Company in any Court of Justice, Criminal, Civil or Revenue, before any Executive, Judicial Municipal, Provincial, Revenue, Police, Postal, Excise, Transport, Income Tax, or other offices in any action or proceedings or matters in which the Company may be interested and to promote, safeguard or defend its interests.
- (q) To sign and verify and plaint, written statement, petition, compromise, mukhtarnama, vakalatnama, authorizing legal practitioner to act on behalf of the Company in all Courts, Civil, Criminal or Revenue.

BORROWING POWERS

- 79. Subject to the provisions of the Ordinance, the Chief Executive/Board of Directors shall have the powers to raise or borrow any sums of money for and on behalf of the Company from individuals firms, companies, commercial banks, or financing institutions, or the Directors may themselves advance money to the Company upon such terms and conditions as they may approve from time to time.
- 80. The Board of Director may from time to time secure the payment of such money in such manner and upon such terms and conditions in all respects as they may think fit and in particular by the issue of debentures or bonds of the Company or by mortgage or charge of all or any part of the property or assets of the Company.



ACCOUNTS

81. The Directors shall cause to be kept proper books of account as required under Section 230 of the Companies Ordinance with respect to:-
- (a) all sums of money received and expended by the Company and the matter in respect of which the receipts and expenditure take place;
 - (b) all sales and purchases of goods and services by the Company;
 - (c) all assets of the Company;
 - (d) all liabilities of the Company;
 - (e) all other matters required by the Authority from time to time.
82. The books of account shall be kept at the Registered Office or at such other place as the Directors shall think fit and shall be open to inspection during business hours.

AUDIT

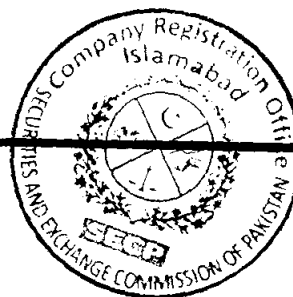
83. Once at least in every year the accounts of the Company shall be audited and corrections of the Balance Sheet shall be ascertained by one or more Auditors. The Auditors shall be appointed and their duties regulated in accordance with the provisions of Sections 252 to 255 of the Companies Ordinance, 1984.

THE SEAL

84. The Company shall provide for the safe custody of the Seal and the Seal shall not be affixed to any instrument except by the authority of a resolution of the Board of Directors or by a Committee of Directors authorized in that behalf by the Directors and in the presence of at least two Directors and of the Secretary or such other person as the Directors may appoint for the purpose; and those two Directors and Secretary or other person as aforesaid shall sign every instrument to which the Seal of the Company is so affixed in their presence.

INDEMNITY

85. Every Officer or agent for the time being of the Company may be indemnified out of the assets of the Company against any proceedings, whether civil or criminal, arising out of his dealings, in relation to the affairs of the Company, except those brought by the Company against him, in which judgment is given in his favour or in which he is acquitted, or in connection with any application under Section 488 of the Ordinance, in which relief is granted to him by the Court.



SECRECY

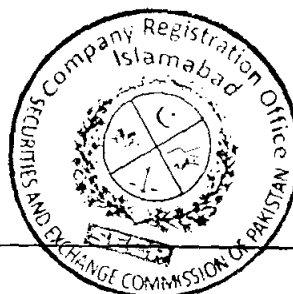
86. No member shall be entitled to visit and inspect the works of the Company without the permission of the Chief Executive/Board of Directors or to require discovery of any information regarding any detail of the Company's business or any matter which is or may be in nature of trade secret, or secret process which may relate to the conduct of the Company's business and which in the opinion of chief Executive/Board of Directors, will be not in the interest of the members of the Company to communicate to the public.

ARBITRATION

87. Whenever any difference arises between the Company on the one hand and the members, their executors, administrators or assignee on the other hand, touching the true intent or construction or the incident or consequence of these presents or of the statutes or touching any thing thereafter done, executed, omitted or suffered in pursuance of these presents or otherwise relating to these presents or to any statute affecting the Company, every such difference shall be referred for the decision of the arbitrator or umpire under the Arbitration Act, 1940 as amended from time to time.
88. The cost incidental to any such reference and award shall be at discretion of the arbitrators or umpire respectively who may determine the amount thereof and direct the same to be shared between the attorney and client or otherwise and may award by whom and in what manner the same shall be borne and paid.

WINDING UP

89. If the Company is wound up, the liquidator may, with the sanction of a special resolution of the Company and any other sanction required by the Ordinance divide amongst the members in specie or kind the whole or any part of the assets of the Company whether they shall consist of property of same kind or not.
- (i) For the purpose aforesaid, the liquidator may set such value as he deems fair upon any property to be divided as aforesaid and may determine how such division shall be carried out as between the members of different classes of members.
 - (ii) The liquidator may, with the like sanction, vest the whole or any part of such assets in trustees upon such trust for the benefit of the contributories, as the liquidator, with the like sanction thinks fit, but so that no member shall be compelled to accept any shares or other securities whereon there is any liability.



We, the several persons, whose names and addresses are subscribed below, are desirous of being formed into a Company, in pursuance of these Articles of Association, and we respectively agree to take the number of shares in the Capital of the Company as set opposite to our respective names.

Name & Surname (Present & Former) in Full (in Block Letters)	Father's/Husband's Name in Full	Nationality with any former Nationality	Occupation	Residential Address (in Full)	Number of shares taken by each subscriber	Signature
1. Commander NISAR AHMED (Retd) Nominee of BAHRIA FOUNDATION	Commander Ghulam Ahmed (Late) N/A	Pakistani N/A	Business Executive Foundation	D-6, Street 4, F-8, Islamabad 6 th Floor, Bahria Complex, M.T. Khan Road, Karachi	99	
2. Commodore MOHAMMAD ILYAS SI(M) S.Bt(Retd)	Mr. Atta Mohammad (Late)	Pakistani	Business Executive	314, Street No.16, G- 10/2, Islamabad	1	
3. MR. MALIK RIAZ HUSSAIN	Mr. Malik Ashiq Hussain	Pakistani	Business Executive	8, Gulnar Colony Cobb Line Peshawar Road, Rawalpindi Cantt.	50	
4. MR. MAHBOOB SHAUKAT	Ch. Abdul Qadir	Pakistani	Business Executive	107-A, Street No.41, F- 10/4, Islamabad	50	
5. MRS. BINA RIAZ	Mr. Malik Riaz Hussain	Pakistani	House Wife	8, Gulnar Colony Cobb Line Peshawar Road, Rawalpindi Cantt.	800	
				Total Number of Shares Taken	1,000 (One Thousand)	

Dated this 6th day of December 1995.

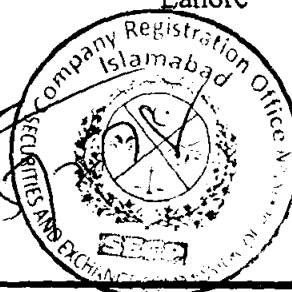
Witness to the above Signatures:
Full Name: Rana M. Usman Khan
Father's Full Name: Atta Mohammad Khan

Nationality: Pakistani
Occupation: Chartered Accountant
Full Address: 127-Habitat House
Cricket House, Gulberg Road
Lahore

Signature: _____

No. ADI _____

Dated _____
Additional Joint Registrar
Company Registration Office Islamabad





BAHRIA TOWN

BAHRIA TOWN

BAHRIA TOWN

Corporate Office
 Bahria Orchard, Bahria Town
 Lahore
 Pakistan
 Tel: 373-1111

FEASIBILITY REPORT REGARDING TECHNICAL AND FINANCIAL PROPOSAL FOR ELECTRICITY SUPPLY LICENCE

1. Introduction

This report investigates the feasibility of obtaining an Electricity Supply Licence from the National Electric Power Regulatory Authority (NEPRA) under Regulation 3(4)(e) of their Licensing Regulations. The report outlines the technical and financial considerations for establishing Bahria Town (Private) Limited as a new electricity supplier of the last resort in Lahore for projects of Mohlanwal Scheme and Bahria Orchards.

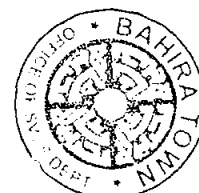
2. Technical Proposal

2.1. Business Model

Bahria Town Lahore intends to proceed as per current practice to purchase electricity from LESCO in bulk and sell it directly to the residents (Bahria customers).

With provision of power supply license from NEPRA, the management shall be running the business most viably with purchase at appropriate tariff as wholesale market price approved by NEPRA and selling its customers under NEPRA approved tariffs.

Bahria Town (Pvt) Ltd. Lahore has most reliable underground distribution networks fed from LESCO on one-point bulk supply basis in both its locations (Bahria Mohlanwal and Bahria Orchards) under C3 tariff through 132KV grid stations (Both at Mohlanwal and Orchards) constructed at Bahria's costs.





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Both grid stations were constructed by M/s. Siemens as EPC contractor after technical approvals from LESCO meeting all NTDC specifications with approved loads of 70MW and 19.6MW for Mohlanwal and Orchards respectively and are running satisfactorily.

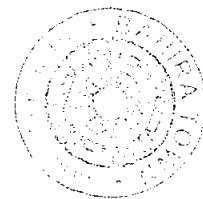
In view of future consideration of load provisions, Bahria town management Lahore, has undertaken construction of 3rd 132KV GIS grid station in Mohlanwal project to cater with all assessed load demands in future. Whereas in Orchards, 132KV Orchard grid station is sufficient to meet future demands of Orchard project.

Bahria Town Lahore has its own standby generators and are used to meet emergencies, shortfalls and interruptions at both locations.

The basic infrastructure of distribution network is as follows.

The HT and LT distribution network is underground and has been constructed by BTPL according to PEPCO/NTDC specifications at Bahria's own costs. It comprises of following major equipments.

- HT / LT Cables
- Ring Main Units (RMU's)
- 11/0.4kV Pad Mounted Transformers
- Distribution Boxes
- LT Service Cables
- Metering System





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This quality infrastructure developed, supervised and maintained by competent and experienced staff has made both the communities feel living in entirely different communities compared to all other adjoining areas.

Once the power supply licence to Bahria is granted, Bahria Town can also consider opting other power supply arrangements more viable under NEPRA provisions.

2.2. Target Market

Bahria Town Lahore is a leading world class private housing society in the country with highest standards of living. First area Mohlanwalis situated on canal side near Multan Road and second area Orchards, few kilometers apart along Raiwind Road Lahore.

As explained, the both areas are residential projects with different kinds of accommodations like farm houses, villas, different category/size of residential plots etc.

As such the target market is primarily residential market. But there are commercial areas, markets, clubs, hospitals, schools etc as allied infrastructure for the mega housing projects.

2.3. Power Source

Bahria Town Lahore intends to utilize initially the purchase through national grid component (132KV network owned by LESCO) through existing 02 No 132KV grid stations at tariff C3 from LESCO.





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2.4. Infrastructure Requirements

A) Bahria Mohlanwal

Site is being fed through 132 KV dedicated grid station with 02 x 20/26 MVA transformers with the approved extended load from 40 MW to 70 MW through addition of 3rd Power Transformer of 31.5/40 MVA. The capacity is sufficient to meet future 10 years demand of Bahria Mohlanwal. Construction of one 132/11 KV grid station in Sector-F has also been under taken with 02 x 31.5/40 MVA Power Transformers to meet future requirements. The capacity can be further enhanced to meet all load requirements of next 35 years with only augmentations/additions of power transformers.

B) Bahria Orchards

Installed capacity of 02 x 10/13 MVA power transformers at Orchards grid station is sufficient to meet the requirement of this project for next 05 years. With addition/augmentations of power transformers at same grid station, can meet the future load requirements of Bahria Orchard for next 50 years.

Both Bahria Town grid stations are constructed / completed by M/s. Siemens Pakistan under the supervision of LESCO after approval of its design by LESCO / NTDC.





BAHRIA TOWN

Bahria Town Limited

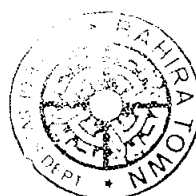
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Corporate Office:
Bahria Orchard, Rabwind Road,
Bahria Town Lahore
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Fax: 042-35361610

From both dedicated 132KV grid stations, all the area is fed through underground 11/0.4KV reliable distribution networks with pad mounted distribution transformers meeting all technical parameters up to the end consumers.

C) Following are key features of distribution networks:

Total no. of Grid Stations in Bahria Town Lahore.	<u>2 (two)</u>
Capacity of 132/11 KV Mohlanwal Grid Station	<u>40MW + (30 MW)</u>
Mohlanwal Grid Station has two Power Transformers of 132/11.5 KV, 20/26 MVA capacity each. Third power transformer 40 MW is under commissioning.	
Capacity of 132/11 KV Orchard Grid Station.	<u>20 MW</u>
Orchard Grid Station has two Power Transformers of 132/11.5 KV, 10/13 MVA capacity each.	
Length of feeders installed in Bahria Town Lahore.	<u>1,194 KM</u>
HT (11 KV)	<u>586 KM</u>
LT (0.4 Kv)	<u>608 KM</u>





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2.5. Technical Expertise

Bahria Town Lahore had already been provided distribution licence from Punjab Government in 1999 under Electricity rules and therefore had to develop complete distribution network at that time alongwith hiring adequate experienced expertise to be eligible for obtaining distribution licence.

To operate and maintain these distribution networks, senior and junior staff mostly with rich experience of utility services are engaged. Besides, Bahria is supported by competent, experienced consultants.

Details of Staff. Attached as Annex A.

2.6. Regulatory Compliance

Bahria Town (Private) Limited has submitted the present application for grant of Supplier of Last Resort (SoLR) Licence for its Mohlanwal Scheme and Bahria Orchards, Lahore projects which is in compliance to all the regulatory provisions under the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 read with NEPRA Licensing Regulations, 1999 and NEPRA Eligibility Criteria (Electric Power Supplier) Rules, 2023.

While undertaking the project, BTPL shall also comply with all allied provisions pertaining to Electric Supply Business.





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Corporate Head Office
Bahria Orchard, Raiwind Road,
Bahria Town Lahore
Tel: 042-35411384
Fax: 042-35341610

3. Financial Proposal

3.1. Project Cost Estimation

(A) Licence Application Fees

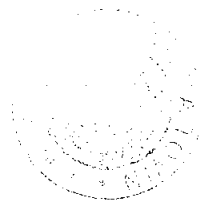
The Licence Application Fees for the said Supplier of Last Resort Licence is calculated to be Rs. 2,428,336/-.

(B) Infrastructure Development Costs

Since Bahria Town Lahore enjoyed the status of licence issued through Government of Punjab during 1999, construction of distribution facilities was commenced and as on today Bahria Town has fully developed underground distribution networks.

After being coming in of NEPRA, Bahria Town Lahore applied for distribution licence during 2009 for both locations (Bahria Mohlanwal and Bahria Orchards).

The application for Bahria Town distribution licence could not be matured/finalized only since host distribution company LESCO held exclusive rights for providing distribution services in its service territory, and did not issue NOC.





BAHRIA TOWN

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Bahria Town management since then had been purchasing power from LESCO at bulk supply on tariff C3 and distributing at NEPRA tariffsto their residents/consumers.

Bahria Town distribution networks were established with following capital expenses.

(A). Grid Stations

- (i) 132 KV Mohlanwal grid station = 620 Million PKRAprox
- (ii) 132 KV Orchards grid station = 380 Million PKRAprox.

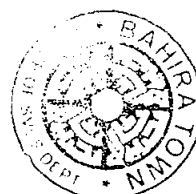
(B). Distribution networks 11KV/LT cables.

Pad mounted transformers, services etc=7000 Million PKR
Approx.

(Mohlandwal= 5200 Million + Orchards= 1800 Million)

(C) Operation Costs

- (i) Annual Maintenance = 419.81 Million PKR
Expenses of Grid Stations
Power Houses
 - (ii) Annual Maintenance = 71.97 Million PKR
Expenses of Underground
Distribution System
 - (iii) Annual Energy Charges of = 1299.6 Million PKR
Street Lights, OHWTs, Disposals,
Masjids, Parks and Technical Losses
- Total Annual Expenditures = 1791.38 Million PKR**





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Private Limited

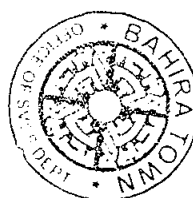
Corporate Head Office
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Bahria Town Lahore
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Fax: 042-35451619

(D) Administrative Costs

(i)	Salaries of Staff and Depreciated Cost of Vehicles	=	99.93 Million PKR
(ii)	Annual Expenses of Staff Accommodation (Electricity & Maintenance)	=	8.41 Million PKR
(iii)	Annual Food Expense of Staff	=	21.20 Million PKR
(iv)	Rent of Generators per Annum	=	50.3 Million PKR
(v)	Annual Diesel Expenses	=	210.9 Million PKR
(vi)	Annual Lubricant Expense	=	08.5 Million PKR
(vii)	Total Annual Expenses	=	399.24 Million PKR
	Total Operational + Administrative Cost	=	2190.62 Million PKR

3.2. Funding Strategy

Bahria Town has developed the entire networks at 100% own resources. The cost to be incurred on infrastructure remains included as development charges with the purchase of plots.





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3.3. Revenue Model

Bahria Town generates its revenue from residents (customers) exactly as per DISCO's practices under NEPRA approved tariffs.

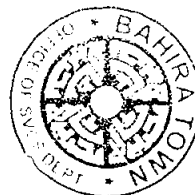
Till 2019, Bahria Town could generate revenue to meet the expenses to pay monthly billing to LESCO on bulk rates alongwith meeting O&M charges.

But sharp increase in bulk supply C3 tariff since 2019 without tariff increase to end customers created a big gap and resulting financial loss to Bahria Town management.

Application for power supply licence is an effort to address the situation and provide Bahria management to run their financial affairs in a viable manner.

3.4. Financial Projections

Bahria Town management always keeps the future load projections in view regarding the demand of power and accordingly makes investments ahead to ensure the quality services for Bahria Town residents / consumers.





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STRATEGIC BUSINESS PLAN FOR ELECTRIC POWER

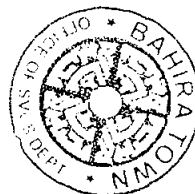
SUPPLY BUSINESS

Executive Summary

This document outlines a strategic business plan for Bahria Town (Private) Limited to enter the electric power supply business in Lahore for its project at Mohlanwal Scheme and Bharia Orchards over the next three years. The plan demonstrates our capability to operate as a reliable and competitive supplier of the last resort (SoLR), complying with Rule 3(c) of the Supply Eligibility Criteria Rules (2023).

1. Company & Project Background:

Bahria Town (Private) Limited is a company registered under the Company's Ordinance, 1984. Bahria Town (Pvt.) Limited is Pakistan's leading private sector real estate developer engaged in developing and delivering highly successful world class housing communities all over Pakistan and in this context Bahria Town Lahore (BTPL) has developed a high standard living projects comprising of 02 distinct areas of housing schemes, First area situated along the canal near Mohlanwal Lahore (Bahria Town Mohlanwal) while second area a few kilometers apart from first, on Raiwind Road Lahore in the name of Bahria Town Orchards Lahore. The schemes are located approximately 20 KMS from Lahore, close to Multan Road Lahore and on Raiwind Road Lahore (Mohlanwal and Orchards respectively). The total area of both schemes at present is 56,045 Kanal. Keeping in line with international standards, spacious network of roads and avenues has been developed. Play grounds,





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parks, sports facilities, clubs, hospitals, educational institutions, street lights, security and firefighting arrangements have been most adequately incorporated. Both schemes have their own dedicated 132 kV grid stations, telephone exchanges and gas distribution networks.

2. Market Analysis

Target Market:

Our primary target market will be residents and businesses within Bahria Town. We recognize Bahria Town's projected load increase, with a maximum demand of 75 MW anticipated by 2028.

3. Business Strategy

3.1. Target Market

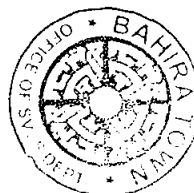
Residents and commercial entities within the premises of Bahria Town projects located at Mohlanwal Scheme and Bahria Orchards.

3.2. Service Offering

We will offer a variety of electric power supply contracts tailored to the needs of our customers in Bahria Town. The Company shall seek Tariff from the NEPRA after a Supplier of Last Resort Licence coupled with Distribution Licence is issued by the NEPRA. The Company shall charge the same tariff as duly approved by NEPRA.

3.3. Sourcing Strategy

At present, the Company intends to purchase Electric Power from the LESCO at one-point supply. In longer period of time, the Company may consider opting the following strategies:





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- **Negotiate power purchase agreements** with generators to secure a portion of our supply needs.
- **Participate in the wholesale electricity market** to access additional capacity and manage price fluctuations.

We will develop a robust risk management strategy to mitigate the impact of potential price volatility in the wholesale market.

3.4. Technology and Infrastructure

The Company has already installed an efficient, effective, secure and reliable technology infrastructure to manage customer accounts, billing, and meter data management. It will be ensured that it includes a Customer Relationship Management (CRM) system, billing software, and a secure data management system that complies with relevant regulations. Given Bahria Town's existing infrastructure plans, we will assess the need for any additional physical infrastructure like substations based on our chosen sourcing strategy.

3.5. Regulatory Compliance

We demonstrate a clear understanding of Rule 3(c) of the Supply Eligibility Criteria Rules and highlight our ability to comply with all licensing and regulatory requirements outlined by NEPRA. We will maintain a team dedicated to staying updated on evolving regulations and ensuring we possess the necessary licenses for operation.





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4. Management Team

Bahria Town has been maintaining the network in the premises for a while now and consists of a dedicated and experienced team for this purpose. The detailed CVs of the management and the technical team are already submitted with the Application.

5. Financial Projections

The Bahria Town (Private) Limited shall receive Tariff as duly approved by the NEPRA and shall charge all consumers accordingly. The financial projections pertaining to the project are largely dependent upon the tariff as approved and later on revised by the NEPRA, therefore, financial forecast regarding revenue projections, cost estimates, and profitability targets may not be applicable at present. Still however, the financial feasibility of the project is separately submitted in terms of Feasibility Report.

6. Marketing and Sales Strategy

Bahria Town (Private) Limited being the Applicant for Supplier of Last Resort Licence as well as Distribution Licence for the same service territory believes that all the residents as well as commercial entities in Bahria Town shall purchase electric power from BTPL. Moreover, the Company shall ensure to employ other marketing initiatives to raise awareness of BTPL's services and educate potential customers about company's offerings.

Dated: 05 April 2024

(Brig Bakhtiyawar Lal Hussain Retd)

Director Services Bahria Town Lahore





BAHRIA TOWN

— PRIVATE LIMITED —

BAHRIA TOWN (PRIVATE) LIMITED

کسٹمر سپورٹ سنٹر

Customer Support Center

BAHRIA TOWN (PRIVATE) LIMITED

BAHRIA TOWN (PRIVATE) LIMITED

Customer Support Center



10
INTERNATIONAL
PROPERTY
AWARDS

**CERTIFIED TRUE COPY OF THE EXTRACT OF A RESOLUTION
PASSED BY THE BOARD OF DIRECTORS OF BAHRIA TOWN (PRIVATE)
LIMITED, HAVING ITS REGISTERED OFFICE AT CORPORATE HEAD
OFFICE BAHRIA ORCHARD, RAIWIND ROAD LAHORE**

**"Application for seeking Electric Power Supply License for Bahria Town,
Mohlanwal, Lahore and Bahria Orchards, Raiwind Road, Lahore"**

WHEREAS, the Management of Bahria Town (Private) Limited (herein referred the "Company") desirous of applying to the National Electric Power Regulatory Authority (NEPRA) for Electric Power Supply License in respect of Bahria Town at Mohlanwal, Lahore and Bahria Orchards at Raiwind Road, Lahore.

RESOLVED THAT the Board of Directors of the Company hereby approve to file **Application for seeking Electric Power Supply License** (The "Application") under NEPRA laws with the National Electric Power Regulatory Authority (NEPRA).

FURTHER RESOLVED that the Company be and hereby authorizes Brig Bakhtiyawar Lal Hussain (Retd) Director Services of the Company holding CNIC No. 35201-2986374-3 to file the Application, deposit fees and submit documents/License Applications for Electric Power Supply Licence of the Company with NEPRA, and any documentation ancillary thereto.

FURTHER RESOLVED that the Company be and hereby authorizes and empowers Brig Bakhtiyawar Lal Hussain (Retd) to do all acts and things necessary/incidental for the processing, completion and finalization of the Applications as he may deem fit on behalf of the Company.

FURTHER RESOLVED THAT M/s Saqlain & Husnain Advocates and Corporate Counsels, 65/3, FCC, Gulberg IV Lahore to appear and act for the Company as its counsel in connection with the processing, presentation of the Company's Supply Licence. Further resolved that the said Advocates or any one of them to do all acts and things necessary for the processing, completion and finalization of the Applications with NEPRA with concurrence of the Authorized Person.

FURTHER RESOLVED THAT a certified true copy of this resolution be communicated to whom it may concern and shall remain in force until notice in writing to the contrary be given.

Hamid Riaz

Company Secretary

Company Secretary
Bahria Town (Pvt) Ltd.



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Private Limited

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FULFILLMENT OF PUBLIC SERVICE OBLIGATIONS BY BAHRIA TOWN (PRIVATE) LIMITED

**[UNDER RULE 3(f) and (g) OF THE ELIGIBILITY CRITERIA
(ELECTRIC POWER SUPPLIER LICENCES) RULES, 2023
(THE “SUPPLY ELIGIBILITY CRITERIA RULES”)]**

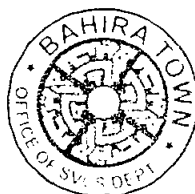
Introduction

This document addresses Bahria Town (Private) Limited's commitment to ensuring prompt and effective coordination with relevant entities within the electric power sector and ability to discharge public service obligations as outlined by the National Electric Power Regulatory Authority (NEPRA). We recognize the importance of collaboration in adhering to the provisions of various codes and legal instruments for a reliable and efficient power grid. We are committed to providing high-quality electric power supply services while maintaining transparency and adhering to all regulatory requirements.

Obligations under Rule 3(f):

Effective Coordination

- **Communication Channels:** We will establish dedicated communication channels with the system operator, market operator, and relevant distribution licensees. These channels will





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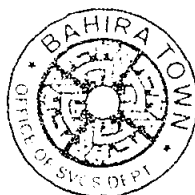
Corporate Head Office
Bahria Town, Islamabad
City Office, Lahore
Phone: 35341000
Fax: 35341010

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- facilitate the timely exchange of information, allowing for coordinated decision-making and problem-solving.
- **Joint Planning and Operations:** We will actively participate in joint planning and operational activities with these entities. This collaboration will ensure efficient grid management, minimize disruptions, and optimize resource allocation.
- **Dispute Resolution Mechanisms:** We will actively engage in establishing clear and efficient dispute resolution mechanisms with system operators, market operators, and distribution licensees. This will ensure timely and amicable resolution of any disagreements that may arise.

Compliance with Codes and Instruments

- **Grid Code, Distribution Code, and Commercial Code:** We are committed to a comprehensive understanding and strict adherence to the provisions of the grid code, distribution code, and commercial code, as mandated by NEPRA. Our internal processes and procedures will be designed to ensure compliance with all relevant clauses within these codes.
- **Legal Instrument Compliance:** We will remain updated on all relevant legal instruments governing the electric power sector. We will ensure our operations comply with all applicable regulations and directives issued by NEPRA or other authorized bodies.





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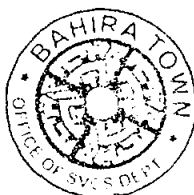
Commitment to Collaboration

Bahria Town (Private) Limited recognizes the interconnected nature of the electric power sector. We are dedicated to fostering a collaborative environment with system operators, market operators, and distribution licensees. Through open communication, joint planning, and strict adherence to regulatory codes, we can contribute to a more reliable, efficient, and well-coordinated electric power grid system in Pakistan.

Obligation under Rule 3(g):

A. Quality of Electric Power Supply Service

- **Automated Billing and Collection Systems:** We will implement advanced software tools for automated billing and collection. This will ensure efficiency, accuracy, and timely delivery of bills to consumers.
- **Information Exchange Systems:** We will establish robust information exchange systems to facilitate communication and transactions with system operators, market operators, distribution licensees, and other relevant entities. This will enhance coordination and improve overall grid management.





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- **Compliance with Performance Standards:** We are committed to complying with all NEPRA-specified performance standards and codes for electric power services. This includes maintaining high standards for effective and timely billing and collection, providing exceptional customer support services, and resolving consumer complaints efficiently.
- **Timely Reporting:** We will ensure the timely dissemination of all reporting requirements mandated by NEPRA. This includes submitting accurate and comprehensive data on various aspects of our operations.
- **Recordkeeping:** We will maintain complete and accurate records and data encompassing all aspects of our electric power supply business. These records will be securely stored for a minimum of five years, complying with NEPRA regulations and legal requirements.

B. Transparency of Transactions

- **Accounting Standards and IFRS Compliance:** We will adhere to the accounting standards and uniform system of accounts specified by NEPRA. Additionally, we will ensure compliance with International Financial Reporting Standards (IFRS) as applicable in Pakistan. This commitment fosters transparency and facilitates financial accountability.





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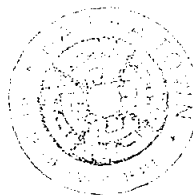
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- **Information Sharing:** We will establish a dedicated website or portal to share necessary information and data with stakeholders, as mandated by any legal instrument. This platform will promote transparency and enhance public access to relevant information.
- **Reporting to NEPRA:** We will diligently report all information required by NEPRA for monitoring purposes. This comprehensive reporting will enable NEPRA to effectively regulate the power sector and ensure compliance with regulations.

C. Collection and Deposit of Charges

- **Timely Collection and Deposit:** We are committed to the timely collection and deposit of all charges determined by NEPRA, including but not limited to:
 - Transmission use of system charges
 - Distribution use of system charges
 - Market and system operator fees
 - Any other charges as stipulated in Rule 5 of the Rules
- **Efficient Collection System:** We will establish an efficient collection system to ensure the prompt collection of all charges from consumers. This may involve offering multiple payment options and implementing effective credit control measures.





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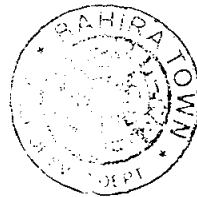
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Fax: 042-38341610

D. Collection and Deposit of Surcharges and Taxes

- **Timely and Effective Collection:** We will ensure the timely and effective collection and deposit of any and all surcharges imposed by the Federal Government, along with all applicable taxes. This demonstrates our commitment to fulfilling our financial obligations and contributing to national revenue generation.

Bahir Town (Private) Limited is fully committed to fulfilling all public service obligations as outlined by NEPRA. We will implement robust systems and processes to ensure the delivery of high-quality electric power supply services while maintaining transparency and adhering to all regulatory requirements. This commitment will contribute to a more efficient and reliable electric power sector in Pakistan.





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**OBLIGATIONS AS A SUPPLIER OF LAST RESORT
LICENCEE**

**[UNDER RULE 4 OF THE ELIGIBILITY CRITERIA
(ELECTRIC POWER SUPPLIER LICENCES) RULES,
2023 (THE “SUPPLY ELIGIBILITY CRITERIA
RULES”)]**

Introduction

This working paper provides a comprehensive overview of the Bahria Town (Private) Limited's capabilities to fulfill the requirements for a license to operate as an electric power supplier of last resort in Pakistan, as outlined by the National Electric Power Regulatory Authority (NEPRA). The information detailed here complements the information already submitted within the application itself.

I. Capability to Carry Out Detailed Schemes and Programs

A. Planning and Development

- Bahria Town (Private) Limited possesses a dedicated team of experienced engineers and planners who will develop comprehensive schemes and programs for supplying electric power to all consumers within the designated area.
- This team will conduct thorough load forecasting analyses to anticipate future demand and ensure adequate capacity is available.





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- We will collaborate with relevant stakeholders, including NEPRA, distribution companies, and consumers, to identify and address specific needs within the designated area.
- We will develop contingency plans to mitigate potential disruptions and ensure a reliable and consistent supply of electricity.

B. Infrastructure Development and Maintenance

- Bahria Town (Private) Limited has a well-defined plan for the development and maintenance of power generation, transmission, and distribution infrastructure.
- This plan includes investments in:
 - Upgrading existing power generation facilities.
 - Expanding transmission networks to reach underserved areas.
 - Modernizing distribution infrastructure to minimize losses and improve efficiency.
 - Implementing smart grid technologies for better network management and consumer engagement.
- We will prioritize the use of reliable and efficient technologies, adhering to all environmental regulations.





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- A robust maintenance program will ensure the smooth operation and timely repair of infrastructure assets.

C. Implementation and Monitoring

- Bahria Town (Private) Limited will establish clear timelines and milestones for the implementation of all planned schemes and programs.
- Regular progress reports will be submitted to NEPRA, detailing achievements and addressing any challenges faced.
- Performance indicators will be established to monitor the effectiveness of implemented schemes, allowing for adjustments and optimizations as needed.

II. Financial Capability

As demonstrated in the application itself, Bahria Town (Private) Limited has developed a comprehensive budget that outlines our financial resources dedicated to engaging in electric power supply effectively and efficiently. This budget incorporates:

- **Capital Expenditure**: Investments in infrastructure development, equipment procurement, and technology upgrades.
- **Operational Expenditure**: Costs associated with fuel procurement, personnel, maintenance, and administrative functions.





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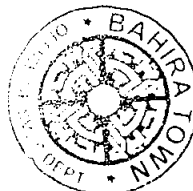
- **Financial Reserves:** Sufficient reserves will be maintained to address unforeseen circumstances and ensure uninterrupted service delivery.

The entire project of the Company is self-funded and the Company has evidently sufficient funds and finances to implement & maintain the project. Bahria Town (Private) Limited is committed to maintaining financial prudence and will ensure transparent management of all financial resources.

III. Providing Power to Consumers of Defaulting Suppliers

Bahria Town (Private) Limited understands the importance of ensuring a reliable electricity supply for all consumers. In the event of a default by another electric power supplier, we are prepared to:

- **Negotiate Inter-Utility Agreements:** Enter into agreements with the defaulting supplier and the relevant distribution company to facilitate a smooth transition of service provision.
- **Coordinate with NEPRA:** Seek guidance and authorization from NEPRA to assume responsibility for supplying electricity to the affected consumers.
- **Prioritize Critical Infrastructure:** Ensure uninterrupted power supply to essential services like hospitals, emergency services, and water treatment facilities.
- **Consumer Communication:** We will proactively communicate with affected consumers regarding the transition and provide them with clear information on the continuation of their electricity service.





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It is committed that Company shall only provide this service to the bulk power consumers located in its service territory as provided under the NEPRA's Supply Eligibility Criteria Rules.

IV. Timely Publication of NEPRA Tariffs

Bahria Town (Private) Limited recognizes the importance of transparency in consumer billing. We are committed to ensuring the timely publication of NEPRA-approved rates, charges, and other terms and conditions related to electricity supply. This will be achieved through:

- **Dedicated Website Section**: A dedicated section on our website will be established to display the latest NEPRA-approved tariffs, charges, and terms and conditions.
- **Regular Updates**: This section will be updated promptly upon any revisions or changes implemented by NEPRA.
- **Clear Communication**: We will communicate tariff changes to consumers through various channels, including bill inserts, website announcements, and social media updates.
- **Customer Service Availability**: Our customer service department will be readily available to answer any queries consumers may have regarding tariffs and billing.





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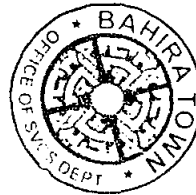
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Bahria Town (Private) Limited is a highly qualified and capable entity to serve as a reliable and efficient electric power supplier. The information presented in this working paper, along with the details included in the main application, demonstrates our commitment to fulfilling all NEPRA regulations and contributing to a robust and sustainable electric power sector in Pakistan.



E-STAMP

Appendix-VIII



ID : PB-LHR-2268A39E8BE7DA25
Type : Low Denomination
Amount : Rs 300/-



Scan for online verification

Description : AFFIDAVIT - 4
Applicant : BAKHTIYAWAR LAL HUSSAIN [35201-2986374-3]
S/O : MUHAMMAD HUSSAIN
Agent : Self
Address : LHR
Issue Date : 15-Mar-2024 9:50:39 AM
Delisted On/Validity : 22-Mar-2024
Amount in Words : Three Hundred Rupees Only
Reason : AFF
Vendor Information : Junaid Ahmed | PB-LHR-383 | Bhobattian

9275

نوٹ: یہ ٹرانزیکشن تاریخ اجرا سے سلت دنوں تک کے لیے قابل استعمال ہے۔ ای اسٹامپ کی تصدیق پتیریہ ویب سائٹ، کیوار کوڈ یا ایس ایم سے کی جا سکتی ہے۔

Type "eStamp <16 digit eStamp Number>" send to 8100

BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

"Application for seeking Electric Power Supply License for Bahria Town, Mohlanwal, Lahore and Bahria Orchards, Raiwind Road, Lahore"

ON BEHALF OF BAHRIA TOWN (PRIVATE) LIMITED

AFFIDAVIT

I, Brig Bakhtiyawar Lal Hussain (Retd) Director Services, holding CNIC No 35201-2986374-3 being the duly authorized representative of **Bahria Town (Private) Limited**, duly authorized in this regard by virtue of the Board Resolution attached with the Application, hereby solemnly affirm and declare that the Applicant is compliant with and fulfills all the requirement as stated under the **Eligibility Criteria (Electric Power Supplier Licences) Rules, 2023** (the "Supply Eligibility Criteria Rules") and shall comply with any amendments made thereto pursuant to grant of Electric Power Supply Licence.



Brig Bakhtiyawar Lal Hussain (Retd)
Director Services Bahria Town Lahore
Date: 30 Mar 2024

Bakhtiyawar

[Signature]