

BANGLADESH RURAL ELECTRIFICATION BOARD

PBS INSTRUCTION: 100-42
BREB INSTRUCTION 500-11

**EXTENSION OF ELECTRICAL LINES
ON DEPOSIT WORK BASIS**

**BANGLADESH RURAL ELECTRIFICATION BOARD
PBS INSTRUCTION 100-42/ BREB INSTRUCTION 500-11**

Approval Date: 21/10/1982
Revision Date : 19/02/2020

**SUBJECT: EXTENSION OF ELECTRICAL LINES ON DEPOSIT WORK
BASIS**

I. PURPOSE

To establish and set forth the terms and conditions for extension of Single Phase and Three Phase electric network system including conversion or up-gradation (if required) of existing electric system for electric service connection to Consumer(s) against payment of cost for such service connection.

II. POLICY

The PBS will agree to expand/ construct/ convert/ upgrade its electric network system, widely known as deposit work, in order to provide electric service facilities to the consumers, who are willing to pay the cost of expansion/ construction/ conversion/ up-gradation. Cost includes the followings-

- (a) cost of all Materials needed to provide the connection;
- (b) consultancy fee;
- (c) cost of expansion/ construction/ conversion/ up-gradation;
- (d) other administrative cost if any.

III. APPLICATION OF DEPOSIT WORK PROCEDURE

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Deposit works will be applicable in respect to the following situations-

- (a) who does not qualify in accordance to BREB revenue criterion;
- (b) qualifies but lags behind in the priority list for construction;
- (c) it is not included in current project works of construction;
- (d) the expand/ construction/ conversion/ up-gradation is required for some one's personal need;
- (e) Government, Semi-Government, and Private organizations, who want to build or convert their electric system as PBS standard system by PBS inside their compound/ premises;
- (f) expand/ construction/ conversion/ up-gradation is required on temporary basis or permanent connection, such as irrigation, industry etc.

IV. TERMS AND CONDITIONS FOR CONNECTION

- A. (1) The Applicant Consumer, requesting electric service facilities under deposit work procedure shall submit in writing, an application expressing their need for permanent electric Service facilities, specifying exact date (Month & Year) when Electric Connection is required, with estimated Load and Motor Capacity to be connected.
- (2) The management of the society-complex willing to provide electric-service-facilities to its Residential-commercial-industrial members from PBS electric line, shall submit in writing, an application expressing the requirement of electric service facilities to PBS authority specifying complete and detail list of members with type of connections, load and Motor- Installation capacity (in case of industry) to be electrified. The written application should also accompany a

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detailed and comprehensive sketch (layout plan) of the society complex by pin-pointing the exact location of each proposed service points, internal roads, existing electric facilities etc. so as to facilitate the internal line design and construction of electric line.

- B. (1) Survey and staking for Extension of Three Phase or Single Phase electric Line from the existing or under construction High of Low tension lines shall only be undertaken provided, the applicant Consumer agrees and provides a written commitment stating that in addition to the standard security deposits, Non-refundable security (where applicable) and other charges as per PBS Policy Instructions, he/she shall pay in advance all cost of construction (line construction materials, transformer, service drop, contractor cost, consultant fees and other accessories), the total specified amount for the extension work of electric line in order to connect the consumer.
- (2) In case a society/complex may have its own distribution system but needs upgrading to bring it up to BREB Standard, the society/complex will be instructed to do so before PBS provides service connection to the consumers. PBS may take up the responsibility of upgrading if the cost is borne by the society/complex. At the time of up-grading /renovation/conversion of existing electric line/ facilities inside the society/complex, PBS will return all dismantled materials to the authority of society/complex.
- C. The ownership of the lines constructed/ converted/ up-graded and responsibility of operation and maintenance of such electric lines/ facilities but (except) the electric lines/ facilities constructed inside the compound/ complex of Government, Semi-Government or Private organization will be vested upon the PBS.

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- D. PBS will not own the electric lines/ facilities constructed/ converted/ up-graded inside the compound/premises of Government, Semi-Government or private organization, neither the PBS will have any responsibility to operate and maintain these electric lines/ facilities. PBS may undertake responsibility of operation and maintenance of such electric lines/ facilities under a separate contract with these organizations.
- E. In case of Government/Semi-Government/Autonomous Organizations, if any exception arises, PBS will send Board proposal for approval to BREB.

V. TERMS AND CONDITION FOR IRRIGATION CONNECTION

Irrigation connection will be governed by circular issued from time to time in this respect by BREB authority before starting of each irrigation season.

VI. PROCEDURE

- A. The applicant shall submit his/ her application in prescribed form for service connection under deposit works to the PBS along with an undertaking as stated in IV-B above and fees as per PBS Instruction 300-4. The applicant shall also state in his/ her application, type of connection he/ she requires and desired time and date by which the connection is to be provided.
- B. On receipt of application along with fees, the PBS will advise the consultant to carry out studies and prepare design.
- C. The consultant shall prepare design, staking sheet and material list and determine cost of Construction /conversion/ up-gradation in actual basis.

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- D. After preparation of design & staking sheet by the consultant, Senior General Manager/ General Manager will approve the design up to 1.0 (one) Km. If line length is more than 1.0 (one) Km, PBS will send design proposal to SE&D Directorate of BREB for approval.
- E. After obtaining design approval from competent authority, the Member Service department shall contact with relevant departments of PBS to ensure availability of required materials.
- F. PBS will maintain separate Store & Ledger for deposit work materials in order to avoid use of these materials for (O&M) or any other store.
- G. Ensuring all materials are available in the PBS Deposit Work Store for said construction of line, and then PBS will issue a letter to the consumer for deposition of money. Meeting up urgency and satisfaction of consumer, PBS can make interim arrangement of materials from another store other than O&M on loan basis but this loan must be adjusted.
- H. PBS will sign a contract with the applicant for the expansion/ construction/ conversion/ up-gradation under deposit work after he/ she has deposited required amount of money.
- I. After receiving the money and signing the contract, the PBS shall arrange to construct/ convert/ up-grade the line and provide service connection on priority basis. Construction/ conversion/ up-gradation work under deposit work shall be done following PBS Instruction 100-41.
- J. PBS shall submit report of electric line/ facilities construction under deposit work up to 1.0(one) km along with as built staking sheet to Zonal Superintending Engineer quarterly.

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- K. After completion of the electric lines/ facilities construction/ conversion/ up-gradation work, PBS will send actual cost with breakup to the applicant consumer. Deposit work money will be adjusted (if any) with actual cost of work done.
- L. LT bare line construction will be discouraged. HT and LT line ratio should maintain 70 : 30.
- M. PBS Instruction 100-28 and 100-45 must be followed for line construction.
- N. In case of LT line construction, voltage drop should not exceed acceptable limit.
- O. Cost basis estimate for deposit work will be made, in case of construction of 33 KV line, covered HT line and line with spacer cable. Material confirmation is required prior to estimate for HT covered line and spacer cable line.

VII. PROCEDURE TO EXPEDITE DEPOSIT WORK

- A. If the deposit work is feasible, PBS will not wait for money to be deposited by the applicant and prepare staking sheet immediately after receiving application. After preparing staking sheet, PBS will publish tender notice to engage construction contractor if necessary.
- B. Construction against deposit work will be carried out according to serial number of estimated money deposited at PBS Fund.
- C. PBS will issue work orders in such a way that at any time deposit work can be done under those work orders. Depending on work load, these types of work orders may be issued Upazila wise or one work order for more than one Upazila.

VIII. UTILIZATION OF FUND RECEIVED AGAINST DEPOSIT WORK

A fund will be raised by the money that has been collected against the deposit work. The name of the fund will be "FUND FOR DEPOSIT

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WORK". PBS will purchase materials for deposit work through lead PBS as per PBS Instruction100-64 or through BREB as per PBS Instruction100-68.

IX. SUPPLY OF TRANSFORMER

Consumer will pay the cost of transformer or supply for his / her connection as per PBS Instruction 100-35 in force at the time. Transformer Installation cost will be borne by the consumer also.

X. SPAN WISE LINE CONSTRUCTION COST AGAINST DEPOSIT WORK

A. Cost for New Lines

Sl No.	Type of Electric Line	Maximum Span Length (Meter)	Cost per Span (BDT)
01	3-Phase 11 KV (Bare)	90	62,000.00
02	1-Phase 6.35 KV (Bare)	90	48,000.00
03	1-Phase 6.35 KV (Covered)	60	48,000.00
04	3-Phase LT Line (Bare)	60	42,000.00
05	3-Phase LT Line (Covered)	46	42,000.00
06	1-Phase LT Line (Bare)	60	38,000.00
07	1-Phase LT Line (Covered)	46	27,000.00
08	Push Pole (Any voltage level), Pole size 40 ft and above	-	40,000.00
09	Push Pole (Any voltage level), Pole size 35 ft and below	-	30,000.00

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B. Cost for Conversion Lines

SI No.	Type of Electric Line	Maximum Span Length (Meter)	Cost per Span (BDT)
01	From 1-Phase HT to 3-Phase HT	-	30,000.00
02	From 1-Phase LT to 3-Phase HT	-	65,000.00
03	From 1-Phase LT to 3-Phase LT (Covered)	46	52,000.00
04	From 1-Phase UB to 3-Phase UB (Covered)	46	20,000.00
05	From 1-Phase LT to 1-Phase HT	-	46,000.00
06	From 3-Phase LT to 3-Phase HT	-	72,000.00
07	From 1-Phase LT(Covered) to 3-Phase HT	-	65,000.00
08	From 1-Phase LT(Covered) to 3-Phase LT (Covered)	-	31,000.00

C. Cost for Under -Built(UB) Lines

SI No.	Type of Electric Line	Maximum Span Length (Meter)	Cost per Span (BDT)
01	1-Phase Under-built	-	13,000.00
02	3-Phase Under-built (Bare)	-	34,000.00
03	3-Phase Under-built (Covered)	46	21,000.00

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