

**BANGLISH RURAL ELECTRIFICATION BOARD
DHAKA, BANGLADESH**

PBS INSTRUCTION 300-6

SUBJECT: SYSTEM LOSSES.

Date of Approval : 25-09-1984
Last revision : 19-02-2020

PURPOSE: To set forth police and general recommendations with respect to adopting a more realistic method for comparison between electric energy purchased by the palli Bidyut Samity at wholesale and the resale of that same electric energy through its distribution system to the consumer-members of the Samity. The difference between the two amounts and that which is classified as unaccounted, being reported monthly as system losses.

GENERAL POLICY:

Each palli bidyut Samity shall be responsible for implementing the following procedures from Nov'84 and thereafter unless notified by the Bangladesh Rural Electrification Board.

- (a) The Senior General Manager/ General Manager of each Samity shall arrange and establish in consultation with proper officers of the Bangladesh Power Development Board (BPDB)/ Power Grid Company of Bangladesh (PGCB) / Other organization, a date for which each of his power meters (substation) shall be read each month during the calendar year (Either the first day of each month.) .To insure that the power meter(substation) is read each month on the day so agreed, the Samity shall offer and if requested, provide necessary conveyance for BPDP/ PGCB personnel to the power meter (substation) location and return to post

Revision:				
BANGLADESH RURALELECTRIFICATION BOARD				
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Original Date	Reviewed by	Approved by	Section & Page	Rsv.No
25-09-1984	BEEB	BREB Board	300-6-1	3 (02/2020)
Revision Dates: 31/10/1996, 24/12/2013, 19/02/2020				


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- (b) The meters of all industrial and any other type of large loads served by the Samity shall be read within a period not to exceed three (3) days prior to the date on which the power meter (substation) is to be read. When possible the meter of industrial consumer which regularly use large amounts of electric energy shall be read on the last day prior to, or preferably on the same day on which the power meter(substation) is read Meters of industrial consumers which use smaller quantities of electric energy shall be read earliest in the read new meter reading scheme.
- (c) During irrigation season all meters under this class of services, in addition to industrial consumers, shall be read as closely to the same date on which the power meter (substation) in read as possible. All irrigation meters shall be read within a period not exceed 5 (five) days prior to the date mutually agreed to, on which power meter (substation) in read. The five day period is exclusive of the day on which BPDB/ Power Grid Company of Bangladesh (PGCB)/ Other organization, personnel will read the power meter (substation) ,thereby actually allowing six days in which the PBS is to complete meter reading of all irrigation installations.
- (d) The Senior General Manager/ General Manager of each Samity shall assign sufficient numbers of his departmental managers and employees of the various departments at his disposal, the task of complying with the intent of this policy Instruction. If necessary, and with prior approval of the Rural Electrification Board additional individuals, may be employed on master roll basis in order to accomplish the task of correctly reading all meters served under the two classifications herein-above mentioned within the allotted time frame as specified.

Revision:				
BANGLADESH RURALECTRIFICATION BOARD				
PBS Instruction 300-6 : SYSTEM LOSS				
Original Dare	Reviewed by	Approved by	Section& Page	Rsv.No
25-09-1984	BEEB	BREB Board	300-6-2	3 (02/2020)
Revision Dates: 31/10/1996, 24/12/2013, 19/02/2020				

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(e) Implementation of this scheme shall insure comparison of the maximum number of kwh delivered to the consumer-members with the number of kwh purchased at wholesale from BPDB/ Power Grid Company of Bangladesh (PGCB)/ Other organization, during a given month. Adopting this approach will allow each samity to reflect the most accurate accounting possible for energy purchases during the early years of rapid growth in new meter connections. System losses as reported in REB from 550 will provide a more accurate and realistic picture of the actual facts existing during this stage of Palli Bidyut Samity development.

For the cases where BPDB/ Power Grid Company of Bangladesh (PGCB)/ Other organization, bills on the basis of meter reading of their Grid S/S with line loss added, the system loss shall be calculated on the basis of both BPDB/ Power Grid Company of Bangladesh (PGCB)/ Other organization, and PBS sub-station reading and Loss value arrived on the basis of PBS S/S reading shall be used in 550 Form and the loss based on BPDB/ Power Grid Company of Bangladesh (PGCB)/ Other organization, meter shall also be stated in 550 Form separately.

(f) Each Samity shall exert maximum effort in reducing the delays existing at the present time, to bring all newly connected-consumer-members in to the billing cycle in the shortest time possible. Newly installed all industrial large commercial and irrigation meters may be read initial electric bills may be rendered for periods which reflect less than thirty days energy usage in order to bring them in the billing cycle as per above procedures.

(g) A great deal of emphasis has been placed on system losses, and with due justification, therefore it is the duty of each Senior General Manager/ General Manager to initiate necessary actions through his departmental Managers, which

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BANGLADESH RURALECTRIFICATION BOARD				
PBS Instruction 300-6 : SYSTEM LOSS				
Original Date	Reviewed by	Approved by	Section & Page	Rsv.No
25-09-1984	BEEB	BREB Board	300-6-3	3 (02/2020)
Revision Dates: 31/10/1996, 24/12/2013, 19/02/2020				


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will ensure system losses maintained on a level acceptable to the Bangladesh Rural Electrification Board and donor agency.

- (h) PBS shall install energy meters at feeder out-goings and at intermediate positions for long feeders if they intent to indentify the areas responsible for higher system loss. These meters when installed, shall be read on the same date on which sub-station meters are read.

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Original Dare	Reviewed by	Approved by	Section & Page	Rsv.No
25-09-1984	BEEB	BREB Board	300-6-4	3 (02/2020)
Revision Dates: 31/10/1996, 24/12/2013, 19/02/2020				

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