

BANGLADESH RURAL ELECTRIFICATION BOARD

PBS INSTRUCTION 100-78

ENERGY AUDITING POLICY

BANGLADESH RURAL ELECTRIFICATION BOARD
DHAKA, BANGLADESH
PBS INSTRUCTION 100-78

Approval Date: 19/02/2020

Revision Date : -

SUBJECT : ENERGY AUDITING POLICY

1. PURPOSE

To set standard and procedures for Energy usage, auditing and recommendation to reduce the energy loss in PBS's .

2. POLICY

A. Energy auditing at 33 KV level

1. Energy auditing shall be done for individual 33 KV line. The meter reading at 132/33 KV grid end shall be recorded at 00:00 hrs. of 1st day of each month of the 33/11 KV substation of PBS's those are under this 33 KV line at the same time.
2. AGM (O&M) will be responsible to collect the meter reading from 33/11 KV substation end. AGM (O&M) may collect these data with the help of JE/AJE/LM.
3. After collection of data from individual 33 KV line and substation, AGM (O&M) will prepare a report showing the loss of individual 33 KV line. This loss shall be compared with the loss calculation formula prescribed in PBS instruction 100-21.
4. This report shall be checked and signed by DGM(Tech), Sr. GM/ GM and respective Executive Engineer of BREB and they will also provide the recommendation for reducing the line losses. This report shall be send to Central System Operation and Energy Auditing Unit of BREB.
5. DGM (Tech) will follow up the 33 KV line loss and take initiative to reduce the loss. He/ She will prepare a report in every 3 month showing the monthly individual 33 KV line loss and the measure taken to reduce this loss. This

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report shall be send to Central System Operation and Energy Auditing Unit of BREB.

B. Energy auditing at 11 KV level

1. Energy auditing shall be done for individual 11 KV feeder of each substation. The energy meter in each 11 KV feeder shall be installed. The reading of 11 KV feeders shall be taken at 00:00 hrs. of 1st day of each month of 33/11 KV substation so that loss can be determined.
2. AGM (O&M) will be responsible to collect the meter reading from 11 KV feeders. He/ She may collect these data with the help of JE/AJE/LM.
3. After collection of data from individual 11 KV feeders, AGM (O&M) will prepare a report showing the loss of the 33/11 KV substation.
4. AGM (Finance) will ensure that the consumer billing has been done feeder wise. Monthly total billing unit (KWh) of each 11 KV feeder shall be supplied by AGM(Finance) to AGM (O&M) on 25th day of respective month. AGM(O&M) will prepare a report showing individual 11 KV line loss within the last date of that month.
5. This report shall be checked and signed by DGM (Tech), Sr. GM/GM and respective Executive Engineer of BREB and they will also provide the recommendation for reducing the line losses. This report shall be send to Central System Operation and Energy Auditing Unit of BREB.
6. DGM (Tech) will follow up the 33 KV line loss and take initiative to reduce the loss. He/ She will prepare a report in every 3 month showing the monthly individual 33 KV Line loss and the measure taken to reduce this loss. This report shall be send to Central System Operation and Energy Auditing Unit of BREB.

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