



Himachal Pradesh State Electricity Board Limited

(A State Government Undertaking)

REGISTERED OFFICE:- VIDYUT BHAWAN, HPSEBL, SHIMLA-171004 (H.P.)

CIN: U40109HP2009SGC031255

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No. HPSEBL(Sectt.)/CE(Comm.)/R-APDRP/Part-A/HCL/10/Vol-XXVIII-2724-30 Dated: 22-08-2017

To

All The Chief Engineers (Op),
North, Central and South Operation Zone,
HPSEB Ltd., Dharamshala, Mandi and Shimla.

Subject:- Advisory-cum-guidelines to be followed for procuring/ installing meters at Feeder / Sub Station/DTR etc.

As you are well aware that Ministry of Power (MoP), Government of India (GoI)'s initiative R-APDRP Part-A project vide which the online data of all the feeders falling under R-APDRP towns is being fetched to the National Power Portal for monitoring the reliability indices, AT&C losses and further the same is being made available to consumers in public domain for better consumer connect. MoP, GoI has designed the architecture of R-APDRP Part-A project with intent to solve the interoperability issue of different make / model of meters installed in different utilities and fetching the meter data remotely through Automatic Meter Reading (AMR) system. The AMR system has already been established in 14 towns covered under R-APDRP (Part-A) and further , MoP, GoI has now considered and approved the extension of such metering and AMR system to other 40 towns under the IT Phase-II of Integrated Power Development Scheme (IPDS).

Therefore, in addition to the standard specification, you are requested to consider the following additional guidelines while procuring/installing meters for various metering nodes of Sub-Stations in future:-

1. Meters to be installed on all incoming and outgoing feeders, HV & LV side of Power transformers in a Sub-Station and should be DLMS compliant with RS-485 port, so that these may be connected with the Data Converter Unit (DCU) to fetch the meter data to Data Center remotely to generate the substation balance report.
2. Feeder meter should have voltage profile parameter in the load survey data.
3. Meters to be installed on Distribution Transformer (DTR) should be DLMS compliant with RS-232 port, so that the same may be connected with the MODEM to fetch the meter data to Data Center remotely.
4. Outage information of feeders (SAIFI/ SAIDI) should be recorded in the feeder meter. As per the earlier practice, the feeder meters were wired with the Bus PT without routing it through the auxiliary contact of the feeder breaker and thus the meter was not able to record feeder trippings, unless the Bus-Bar is not tripped. Thus in order to record the tripping, it is required to rewire the feeder meter PT circuit with the auxiliary contact of the feeder breaker. In order to complete this work in sub-stations, the requisite material i.e. Contact Multiplier Relay (CMR) having control supply 220 Volt DC or 30 Volt DC as per the DC Control voltage of the respective Sub-Station with minimum 3NO+3NC Contacts, control cable and thimbles are required. Detailed instructions has already been issued vide this office letter no. HPSEBL(Sectt.)/ CE(Comm.)/R-APDRP/Part-A/HCL/10/Vol-XXVIII- 733-82 dated:18/05/2017 to the nodal officers of 14 R-APDRP towns (copy available in HPSEBL website under IT initiatives-R-APDRP)

You are therefore requested to adhere the above mentioned guidelines in R-APDRP and IPDS towns on priority and subsequently in all upcoming sub stations/DTRs of other area.

(E. S. K. Joshi)

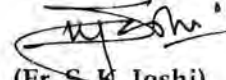
Chief Engineer (Comm.)

HPSEB Ltd., Vidyut Bhawan,
Shimla-4.

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Copy forwarded to following for information and further necessary action please.

1. The Sr. P.S. to Director (Op), HPSEB Ltd., Vidyut Bhawan, Shimla-4 for kind information of Director (Op) please.
2. The Sr. P.S. to Director (Op), HPSEB Ltd., Vidyut Bhawan, Shimla-4 for kind information of Director (Op) please.
3. The Chief Engineer (ES), Electrical System, HPSEB Ltd. at Anu, Hamirpur.
4. The Chief Engineer (MM), HPSEB Ltd., Vidyut Bhawan, Shimla-4.



(Er. S. K. Joshi)
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