

PUNJAB STATE TRANSMISSION CORPORATION LTD.**GUIDELINES FOR INSTALLATION OF METERING EQUIPMENTS AND ARRANGEMENTS AT THE PREMISES OF OPEN ACCESS CUSTOMERS.**

The following guidelines are to be strictly implemented for installation of metering equipments including ABT compliant special energy meters (SEM) of accuracy class 0.2S/0.2 and connecting arrangements for metering of open access customers.

A) Open Access Customer's Premises (To be complied by OA Customer)

- i) Open Access Customers injecting power in to PSPCL/PSTCL system shall provide separate line bay with line protection scheme at both ends to take care of any fault on line.
- ii) Meters are to be installed directly on line without any isolator in between line and metering CTs/PTs.
- iii) Metering CTs/PTs should be exclusively for PSPCL metering. Customers may install any additional meter with separate CTs/PTs.
- iv) CTs of 0.2S and 0.2 accuracy class are to be installed where CT output is 5A (in case of 11 kV) and 1A (in case of 33/66/132/220 kV) respectively. However PTs of accuracy class 0.2 are to be used.
- v) Metering CT/PT should be exclusive for metering purpose. These will not be allowed for protection purpose. However, metering CT/PTs are to be provided in line with the CEA (Installation and Operation of Meters) Regulations 2006 as amended from time to time.
- vi) The meter should be installed nearest to the CTs/PTs in separate room, with easy/free access by PSPCL/PSTCL staff.
- vii) All connecting cables from CT/PT to meters should be routed through conduit pipe duly welded.
- viii) Un-climbable fencing around metering, CTs, PTs area is to be provided which will be sealed by PSPCL.
- ix) Use of only single ratio metering CTs will be allowed. Multi ratio CTs are not to be used in any case.
- x) Metering CTs/PTs bottom plate needs to be welded after testing/installation at site.

- xi) Open access customer (non-consumer of PSPCL) is required to provide two communication channels at his own cost for communication of metering data to SLDC control room.
- xii) Consumers who have already installed CTs/PTs without witness/checking of PSPCL shall get the same tested in the presence of PSPCL representative. The CTs/PTs may be got tested from PSPCL or NABL accredited lab.
- xiii) Meter is not to be installed in the control room of consumer's substation.

B) Compliance by PSPCL

At Consumer end:

- i) Installation of Check Meter
- ii) TPT meter installed for consumers injecting & drawing power to be import/export type of accuracy class 0.2S.

At PSPCL/PSTCL Sub Station end

- i) Supply should not be tapped from Bus PT. Exclusive line CTs and PTs are to be installed for metering at Sub-Station end. CTs/PTs provided shall have two metering cores.
- ii) Meters are to be installed near line bay in Sub-Station Yard.