

CE/Testing/Metering Circular/06/6412

Date:25/02/2020

CIRCULAR NO-06

Sub: Revised Guidelines regarding Metering in respect of HT/EHV/Open Access consumers.

Ref:- Hon. MERC order in case no. 276 to 280, 306, 307, 313 & 319 of 2019

As per present metering policy adopted vide Commercial Circular no. 291 dated 29/06/2017 and Testing circular no. 8378 dated 16/04/2018 the guidelines were issued regarding Metering in r/o HT/EHV/Open Access & Generator consumers. However, it is observed that still there is some ambiguity regarding metering specifications in r/o HT/EHV/Open Access consumers and Generators.

In this regard the revised guidelines are hereby issued regarding Metering Specifications in r/o HT/EHV/Open Access consumers/Generators; the same shall be followed scrupulously henceforth-

A) The standard metering specifications shall be as per the chart shown below—

Particulars		Approved Specification		
		Ratio	Class	Burden VA
HT Consumers having CD below 1000 KVA with Metering Cubicle	CT	Commensurate with Contract Demand, Single Core, Single ratio(.../5A)	0.5 S	10
	PT	...KV/√3/110/√3	0.5	50
	HT TOD Meter	(-/5A), 11KV/√3/110/√3	0.5S	-
HT Consumers having CD 1000 KVA & above with Metering Cubicle for Main and identical additional Check metering.	CT	Commensurate with Contract Demand, Single Core, Single ratio(.../5A)	0.2 S	10
	PT	...KV/√3/110/√3	0.2	50
	HT TOD Meter	(-/5A), 11KV/√3/110/√3	0.2S	-
EHV Consumers with outdoor type CT-PT for Main and identical additional Check metering.	CT	Commensurate with Contract Demand, Single Core, Single ratio(.../1A)	0.2 S	15
	PT	...KV/√3/110/√3	0.2	50
	HT TOD Meter	(-/1A), 11KV/√3/110/√3	0.2S	-
Open Access Consumers with compact cubicle upto 33KV & above 33KV -with outdoor type CT-PT, for Main and identical additional Check Metering	CT	Commensurate with Contract Demand, Single Core, Single ratio(.../5A) for HV & (.../1A) for EHV	0.2 S	10*(Cubicle) 15(Outdoor)
	PT	...KV/√3/110/√3	0.2	50
	ABT, 4 quadrant, Import-Export type Meter	(-/5A)for HV & (-/1A) for EHV, 11KV/√3/110/√3	0.2S
Generation Projects (CPP/IPP/CO-gen/Solar etc) (With Outdoor type CT PT /Metering Cubicle) for Main and identical additional Check metering #	CT	Commensurate with Contract Demand, Single Core, Single ratio(.../5A) for HV & (.../1A) for EHV	0.2 S	10*(Cubicle) 15(Outdoor)
	PT	...KV/√3/110/√3	0.2	50
	ABT, 4 quadrant, Import-Export type Meter	(-/5A)for HV & (-/1A) for EHV, 11KV/√3/110/√3	0.2S

* If existing CTs in case of Open Access/MSEDCL HT consumers are of 15VA burden then the same shall be allowed to utilize as it is and also in case of future load enhancement/Reduction and need not be replaced. In case of EHV Open Access consumers VA burden of CT shall be 15VA; existing 10VA CTs(if any) need not to be replaced.

In case of outdoor type installation, it is Consumer/Generator's choice to install oil cooled or dry type CT/PT of MSEDCL approved specifications/vendors.

• **Express Feeder Consumer Substation End Metering:-** CEA (Installation and Operations of meters) Regulations 2006 stipulates that accuracy class of meters in distribution system shall not be inferior to 0.5S class. Therefore, if class of accuracy of meter provided by MSETCL/MSEDCL is not inferior to 0.5S then Meter of feeder at substation provided by MSETCL/MSEDCL shall be used for Energy audit, in case of express feeder consumers.

• **Metering Room:-** Metering room shall be constructed with minimum 15'x12' size with proper ventilation and lighting arrangement for HT cubicle/Meter. One plug point and fan shall be provided in metering room to facilitate routine testing work.

In case of SEM installation for RE generators (windmill/Solar) weatherproof portable cabins having minimum size of 12' x10' with wooden interior, proper ventilation alongwith Light and fan arrangement shall be accepted as per Generators request(if any) at their own risk and cost. However concerned SE TQA shall verify the design & material Quality and approve the same before utilization in order to have uniformity.

• **Isolation Before Metering:-** As per this office amended circular ref. No. CE/Testing/AB Switch/32510 dated 26/11/2019, isolation arrangement (AB Switch/Isolator/RMU) before Metering shall be invariably provided to all HT consumers & all Generators before release of connections.

All other conditions of Commercial Circular 291 dated 29/06/2017, Testing Circular no. 8378 dated 16/04/2018 shall remain applicable.

This circular shall come in force with effect from the date of issuance. This circular is available on MSEDCL website i.e. www.mahadiscom.in . So hard copy of the same shall not be issued.


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