

GOVERNMENT OF ORISSA
OFFICE OF THE CHIEF ENGINEER (PROJECT)-CUM-CHIEF ELECTRICAL
INSPECTOR (GENERATION) POWER HOUSE SQUARE, UNIT-V,
ORISSA, BHUBANESWAR-1
Tel. 2391195, Fax.- 239114

CIRCULAR

Letter No. _____/Dtd. _____/

It is observed that, generating units / stations are installing Energy meters/ C.Ts / P.Ts of different type, quality and accuracy class etc. randomly at their sweet will. As a result, this organization is in difficulty while assessing the Government revenue in the form of Electricity Duty. But in accordance to the powers conferred in the Electricity Act-2003, this organization can regulate the type, quality, and accuracy class of Energy meters / C.Ts / P.Ts to be installed to measure the quantum of Electricity generated and consumed in a generating unit / station.

Accordingly it is hereby directed that for all new installations, the Energy meters / C.Ts / P.Ts with I.S.I. mark having type, class of accuracy as detailed at Annexure-I (enclosed) are required to be installed by the generating units / stations for reasonably accurate recording of their generation and consumption of Electricity. Separate exclusive metering C.T. / P.T. for metering purpose is to be provided. Draw out type Energy meters / C.T / P.T. are strictly not allowed. No programmable static Energy meters are allowed. Provision for independent sealing of Energy meter terminals / body and C.T. / P.T. secondaries should be available. Each model of the measuring instrument should be type tested and each individual instrument should be routine tested from any accredited testing laboratory / S.T.L., Bhubaneswar before installation. After installation, the above measuring instruments are to be get sealed by the Electrical Inspector concerned with record of the Initial meter reading, seal serial No., Name / Signature of the Inspecting Officer on the log book of the control room. A register is to be maintained by the inspecting officer which should contain pre & post status of the meter and metering equipments and which is to be signed by the owners and concerned inspector. Prior permission for removal of any instrument is to

Cont...../2/

be obtained from the Electrical Inspector concerned with record of the final meter reading, and status of meter etc. All the above measuring instruments should be calibrated annually by any accredited testing laboratory / S.T.L., Bhubaneswar.

Further, all the above measuring instruments of existing generating units / stations should be phased out as per the specifications / requirements described above, within a period of one year from the date of issue of this circular. After completion of this transition period, it will be mandatory for all the installations to comply the above instructions strictly.

(P.K. PADHI)

Chief Engineer (P)-Cum-C.E.I.(G)

Memo No. _____/Dtd. _____/

Copy forwarded to All S.E.(P)-cum-E.I.(G), Circles / All E.E.(P)-cum-D.E.I. (G) for information and necessary action. They are required to circulate this circular to the owners of the generating units/ stations under their jurisdiction.

Chief Engineer (P)-Cum-C.E.I.(G)

Memo No. _____/Dtd. _____/

Copy to the Chief Electrical Inspector (T&D), Orissa, Bhubaneswar / E.I.C.(Elec)-cum-P.C.E.I., Orissa, Bhubaneswar for information.

Chief Engineer (P)-Cum-C.E.I.(G)

Memo No. _____/Dtd. _____/

Copy submitted to the Commissioner-cum-Secretary to Government, Department of Energy, Government of Orissa, Secretariate, Bhubaneswar for information.

Chief Engineer (P)-Cum-C.E.I.(G)

Annexure-I

SPECIFICATIONS FOR ENERGY METERS AND MEASURING C.T.s / MEASURING P.T.s

Sl No.	Type of Generating Unit / Station	Energy Meter Type	Energy Meter Accuracy Class	Measuring C.T. / P.T. accuracy
1	2	3	4	5
1	Stand by D.G. below 1 MVA	Static	1.0	1.0
2	Stand by D.G. above 1 MVA	Static	0.5	0.5
3	Stand alone D.G. of 500 KVA & below	Static	1.0	1.0
4	Stand alone D.G. above 500 KVA	Static	0.5	0.5
5	Turbo Generators (T.G.) up to 10 MVA	Static	0.5	0.5
6	Turbo Generators (T.G.) above 10 MVA	Static	0.2	0.2