

ANNEXURE - C to TENDER BAP/CAP/2014-15/OT-04

SPECIFICATION FOR PORTABLE DIGITAL ENERGY METER

THE DIGITAL ENERGY METER SHOULD CONFIRM TO THE FOLLOWING SPECIFICATIONS:

DIGITAL ENERGY METER: 0.3 CL. QTY: 4 NOS

No flush mounting / multifunction meters are acceptable.

ITEM	REQD SPEC.
DISPLAY	LED, LCD OR VFD.
POWER SUPPLY	3 PHASE 3 WIRE, 3 PHASE 4 WIRE.
Voltage range	Up to 600 V AC WITH MULTIPLE RANGES.
FREQUENCY RANGE	45 TO 65 HZ.,
Internal power supply FOR METER.	100-240 V AC WITH BATTERY BACKUP PREFERRED.
CURRENT INPUT FOR THE PHASES	UP TO 1A WITH PROPER SENSING PROBES / CLAMP SENSORS.
ACCURACY CLAUSE	0.3 FOR THE METER EXCLUDING CURRENT PROBES. For current 0.3 +/- 0.2% FS RANGE. For Voltage 0.3 +/- 0.2% FS RANGE.
MEASUREMENTS REQUIRED	CUMULATIVE ENERGY, INSTANT POWER PHASE VOLTAGES, PHASE CURRENTS, FREQUENCY, POWER FACTOR, ACTIVE ENERGY, APPARENT ENERGY, CUMULATIVE DEMAND, REACTIVE POWER, REAL TIME.
OTHER ACCESSORIES REQUIRED	1. CLIPS FOR VOLTAGE MEASUREMENT. 2. SEPARATE COLOUR CABLES FOR EACH PHASE CURRENTS AND VOLTAGE INPUTS WITH CONNECTORS. 3. CLAMP TYPE CTS FOR ALL THE PHASES WITH 1:1 (1A FOR PRIMARY AND SECONDARY FOR THE CTS FOR ALL THE THREE PHASES, ADDITIONAL FACILITY FOR 5A IN THE SAME CLAMPS ALSO DESIRABLE)
CARRYING CASE	THE METER SHOULD BE HOUSED IN A SUITABLE CARRYING CASE/SUITCASE.
CLAMP ON SENSOR FOR MEASUREMENT.	CLAMP ON SENSORS MEASUREMENT UP TO 1 A CURRENT RANGE WITH ACCURACY OF 0.3 +/- 0.2 FS RANGE. FULL SCALE RANGE OF CT SHALL BE 1 A PREFERABLY AND MAXIMUM RANGE SHOULD BE NOT MORE THAN 5A.
OTHER ITEMS IF ANY	PLEASE SPECIFY & RATE OF THE SAME SEPARATELY
NOTE: OUR REQUIREMENT IS PORTABLE TYPE ONLY & TO BE CARRIED TO SITES FOR ENERGY MEASUREMENT. WE REQUIRE PORTABLE ONLY AND NOT FLUSH MOUNTED MULTI FUNCTION TYPE METERS	