

21379/Spec Ph-III/P&S/15/MAP

11 Jul 2012

(All PMs & DEPMCs)

SPECIFICATIONS: SINGLE PHASE ENERGY METER

1. Refer this Headquarters letter No 21378/Vendor PH-III/P&S/03/MAP dt 29 Jun 2012.
2. Given in the succeeding sub paragraphs are the specifications for Single Phase Energy Meter for the future projects of MAP Phase-II and Phase-III:-
 - (a) Electronic type energy meters shall be single phase 240V, 10-40 Amp, 50 Hz, LCD display with class 1.0 accuracy, Meter should be as per IS-13779 and with IS certification mark, Meters should be of stainless steel, transparent polycarbonate body with tamper proof design and should give accuracy irrespective of mounting position. The accuracy should not get effected by external magnetic field. It should be with LED indication proportional to kWh for on spot calibration check.
 - (b) Meter should be suitable for:
 - (i) Frequency range : 50 Hz \pm 5%
 - (ii) Starting Current : 0.4% of Basic Current
 - (iii) Operating Ambient Temperature : 0 to 55 Deg. Cent.
 - (iv) Power factor Range : 0.5 lag – UPF – 0.8 lead
 - (v) Meter should have following features:
 - (vi) LED Indication for Power on, Reverse Current, kWh Pulse output
 - (vii) Display - _ 6 digit (1 decimal digit)
 - (c) Meter shall continue to operate satisfactory under the following conditions:-
 - (i) Phase/Neutral Reversed.
 - (ii) Supply side – Load side interchanged
 - (iii) Full Load / Partial Load terminated to Earth
 - (iv) Combination of any of the above.

(JS Sodhi)
Lt Col
SO 1 (P&S)
for DG MAP

Internal

Team 'A'	-	for necessary action please
Team 'B'	-	-do-
Contract Section Team 'A'	-	-do-
Contract Section Team 'B'	-	-do-
Arch Section	-	-do-