

21379/Spec Ph-III/P&S/06/MAP

09 Jul 2012

(All PMs & DEPMCs)

SPECIFICATIONS: THREE PHASE ENERGY METERS

1. Refer this Headquarters letter No 21378/Vendor PH-III/P&S/03/MAP dt 29 Jun 2012.
2. Given in the succeeding sub paragraph is the specification for Three Phase Energy Meters for the future projects of MAP Phase-II & Phase-III:-

(a) Electronic type energy meters shall be three phase, 4 wire 415V, 10-40 Amp, 50Hz, LCD display with class of accuracy 1.0 solidly earthed power supply system with balanced and unbalanced loads. Meter shall be as per IS-13779 with IS/BSI certificate 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.

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)
- (viii) Meter shall continue to operate satisfactory under the following conditions :-
 - (aa) Phase/Neutral Reversed
 - (ab) Supply side – Load side interchanged
 - (ac) Full Load / Partial Load terminated to Earth
 - (ad) Combination of any of the above

(JS Sodhi)
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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-