



## Uttar Haryana Bijli Vitran Nigam

Off. of The Chief Engineer/MM, Shakti Bhawan, Sector 6, Panchkula.

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### AMENDMENT-II

The clarifications sought by various firms in the technical specifications of Single, three, LT CT & HT CT/PT net meters against tender enquiry No. QH-I/2505 are as notified for all concerned as under:

#### For all type of meters.

**1. Clause No.6.1.9 Instantaneous Power Factor:**

The sign for instantaneous power factor will be dependent on the load (either lag or lead).

**2. Clause No.17.9 Magnetic tamper:** The clause may be read with following provisions:

In case of magnetic influence higher than the value for which the meter is not immune the meter will record energy as under:

**a. Import mode:**

The meter will record energy at  $I_{max}$ .

**b. Export mode:**

The meter will record import energy at  $I_{max}$  irrespective of the export energy during that period.

**3. The meters should communicate at a minimum baud rate of 9600 kbps. The provision of maximum time i.e. 5 minutes stands deleted.**

**4. The time for current un-balance tamper has been defined as 15 minutes. The same has been corrected to 5 minutes as defined in other tampers.**

**5. The magnetic tamper occurrence and restoration time should be within 15 seconds for all type of meters.**

**6. The power failure tamper conditions have been amended i.e. occurrence when all the phases are switched off for 15 minutes or more and restoration when any of the phase voltage is present (immediately)**

**7. The CT reversal tamper is not applicable in case of bi-directional meters. As such it has been removed wherever mentioned in the specifications.**

#### For single phase meters


**1. Clause No.2:** As the category C is applicable for unidirectional meters it has been decided to use OBIS code defined in Category B meters for bi directional meters as per IS 15959.

**2. Serial No. 3:** The tamper condition for diode injection through neutral and  $I_r$  or  $I_y$  or  $I_B > 1A$  (10% of  $I_b$ ) or [system frequency  $> 52.5$  Hz) or  $< 47.5$  Hz]. As the condition is not practical in the field the same has been deleted.

The delivery clause of the NIT has been amended as under:

The delivery will commence with 50% of the ordered Qty. within 45 days from the date of issue of purchase order. The balance 50 % supplies will be completed within one month thereafter.

All other terms and conditions shall remain unchanged.

  
Superintending Engineer/P-1  
For CE/MM, UHBVN, Pki.