

Office of the Executive Engineer,  
3<sup>rd</sup> floor, Bramhaputra Building, MSEB Complex, Airoli,  
Thane Belapur Road, At-Airoli Node, Navi Mumbai – 400 708  
Email ID. ee71110@mahatransco.in

Ref.: No.EE/EHV/O&M/Dn/BND/Tech/ 001045

Date : 04 JUL 2024

**E-ENQUIRY**

**(Through MSETCL webpage)**

To,  
WHOM SO EVER IT MAY CONCERN

**Sub.:** Enquiry for Supply of Digital Multi-meter at various 220kV substations under EHV(O&M) Dn., Bhandup .... **submission of budgetary offers thereof.**

This office has to prepared estimate for Supply of Digital Multi-meter at various 220kV substations under EHV(O&M) Dn., Bhandup. It is requested to offer your favorable budgetary rate for the subject work as detailed in the enclosed Price estimate. The detailed feature of Digital Multi-meter is as given below:

**General specification: -**

**1] Environmental specifications –**

- a) Operating temperature-10°C+50°C,
- b) Storage temperature - 30°C+60°C

**2] Humidity (without condensation)**

- a) 0%-90% (0°C-30°C),
- b) 0%-70% 35°C-50°C)

**3] Safety specifications – Overvoltage category**

- a) EN 61010-1 to 1000V CAT III,
- b) EN 61010-1 to 600V CAT IV

**Accuracy specification.: -**

Sr. No.	Function	Rang±	Resolution	Accuracy
1	Ac volts	1000V	1V	2.0 % +3 (500 Hz to 1 kHz)
2	DC mV	600 mW	0.1 mW	0.09% + 2
3	DC volts	1000V	1 V	0.15% + 2

**Basic features of Digital Multi-meter**

- 1] Counts – 6000
- 2] True – RMS readings – AC
- 3] Basic DC accuracy – 0.09%
- 4] Digits – 3-1/2

**5] MEASUREMENTS –**

- a) Voltage AC/DC – 1000 V,
- b) Current AC/DC – 10A,
- c) Resistance – 50M $\Omega$ , d) Frequency – 100 kHz,
- e) Capacitance - 10000 $\mu$ F,
- f) Temperature – (+)400°C

**6] Warranty – 10 Years,**

**7] Battery Life – Alkaline on 200 hours typical**

**8] Digital Multi-meter should be included with the accessories such as –**

- a) installed 9V Battery,
- b) Test leads,
- c) User's Manual,
- d) Temperature Probe

**1] DUE DATE:** - The quotations, complete in all respects, duly sealed & super scribed should be submitted to this office on or before due date i.e., **Dt. 12.07.2024.**

**2] QUOTED RATES:** The quoted rates should include the cost of all skilled & unskilled Labour and also the requisite consumables, T&P and all incidental charges such as traveling/ transportation, accommodation etc.

**3] DOCUMENT SUBMISSION:** The bidder should submit documents required for execution of work in sealed Envelope to this office.

**4] Please note that the said budgetary offer is only for estimate purpose & not considered for any bidding & No work order will be issued based on this Enquiry.**

Thanking you,

Yours faithfully,



(Mukund N. Pawar)  
**Executive Engineer**  
**EHV O&M Dn., Bhandup**

**Copy to:** - 1) The Manager (F&A), EHV (O&M) Circle, Kalwa.  
2) Notice board.