MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.
(CIN: U40109MH2005SGC153646)

OFFICE OF THE EXECUTIVE ENGINEER
EHV O&M DIVISION, MANCHAR
DSK's Pride , Survey No-170/7B, Pune-Nashik Highway,
In front of Rural Health Centre, Manchar , Tq- Ambegaon Dist: Pune
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EE/EHV/O&M/Division/Manchar/Tech/No. 265	**Date: 17.03.2023**

TO WHOM SO EVER IT MAY CONCERN

This office intends to purchase the insulation tester of EHV O&M Division Manchar as mentioned below,

Sr. No.	Particulars	Unit	Rate/Unit (Rs.)	Applicable GST%	Total Amount (Rs.)
1	Supply of insulation tester along with all required accessories. **Specifications as per Annexure-A**	EA			

All interested are requested to submit their best offer. The bidder must be a manufactures or the authorized channel partner/dealer. If the bidder is channel partner/dealer then he shall be submit the dealership/channel partner certificate along with the budgetary offer. The budgetary offer shall be submitted on **Email id: ee61A0@mahatransco.in** along with applicable rate of GST & F&I if applicable for above work on or before 27.03.2023.

This budgetary offer is invited only for estimation purpose and same will not be considered for any bidding or other activity.

Sd/-
(S G Bide)
Executive Engineer
EHV O&M Division Manchar

Annexure-A

INSULATION TESTER SPECIFICATIONS

AC voltage (auto-ranging)
: 90-264 V rms, 47- 63 Hz 100 VA

Battery charge time 2.5 hours deep discharge,
2 hours normal discharge
Battery life 11.1 V, 5.2Ah Li-ion batteries,
meet IEC 62133:2003,
2 battery packs
Battery life
6 hours (typical) continuous

Testing at 5 kV with a
100 MΩ load
4.5 hours (typical) continuous
testing at 10 kV with a
100 MΩ load

Test voltage
250 V, 500 V, 1000 V, 2500 V,
5000 V,

User defined test voltage.
1 kV to 5 kV in 25 V steps

Test voltage accuracy
+4%, -0%, ±10 V nominal test
voltage at 1 GΩ load (0°C to 30°C)
Resistance range 10 kΩ to 15 TΩ @ 5 kV,

Accuracy
(23 °C) from 1 MΩ to
5000 V2500 V 1000 V 500 V 250 V
±5% 1 TΩ 500 GΩ 200 GΩ 100 GΩ 50 GΩ
±20%10 TΩ5 TΩ 2 TΩ 1 TΩ 500 GΩ

Guard terminal performance
Guards out parallel leakage resistance
down to 500 kΩ with a maximum
additional resistance error of 1% with
a 100 MΩ load

Display analogue:
100 kΩ to 10 TΩ

Digital:
10 kΩ to 10 TΩ

Short circuit / charge current
3 mA @ 5 kV, 10 kV, 15 Kv

ENVIRONMENTAL
Maximum altitude 3000 m (5 kV, 10 kV)
3000 m (15 kV)
Operating temperature range
-20 °C to 50 °C
Storage temperature range
-25 °C to 65 °C
Humidity 90% RH non-condensing at 40 °
IP rating IP65 (lid closed), IP40 (lid open)

Safety: CAT IV 600 V to 3000 m altitude

Meets the requirements of IEC 61010-1.

(S G Bide)
Executive Engineer
EHV O&M Division Manchar