



MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD
Government of Maharashtra (Undertaking)
(CIN:U40109MH2005SGC153646)
Office of The Executive Engineer
400 kV RS O&M Division, Chakan
Plot No. P-10, Opp. Mercedes Benz, Phase III,
Chakan MIDC, Tal-Khed, Dist.- Pune 410501
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Ref. No.EE/400 KV/CHAKAN/Tech/No.122

Date: 10.03.2025

ENQUIRY
(Through MSETCL webpage)
TO WHOM SO EVER IT MAY CONCERN

Subject: Calling budgetary offer for Providing & Fixing of high voltage acid and alkali proof insulating mat (3.0 MM) confirming to IS:15652 22006 & having in-built Auto glow bands on the border of mats for 400kV Chakan substation under EHV O&M Circle, Pune

Dear Sir,

The budgetary offers through mail are invited for Providing & Fixing of high voltage acid and alkali proof insulating mat (3.0 MM) confirming to IS:15652 22006 & having in-built Auto glow bands on the border of mats for 400kV Chakan substation under EHV O&M Circle, Pune as per Schedule 'A' as below-

Schedule 'A'

Sr. No.	Particulars	UOM	Unit Ex Rate	% GST	Unit Rate (incl of GST)
A)	Providing & Fixing of high voltage acid and alkali proof insulating mat (3.0 MM) confirming to IS:15652 22006 & having in-built Auto glow bands on the border of mats for 400kV Chakan substation under EHV O&M Circle Pune	Sq. Ft.			

Note: Rate shall be valid for 60 days from the date of submission of offer.

You are requested to submit your best reasonable rate for above work. The terms & conditions and technical specifications of insulating Mat are as follows.

A) Requirement and Technical Specification of Insulating Mat

The Insulating Electromat IS: 15652:2006 w.e.f. 01 November 2007 as per Govt. of India Gazette Notification No. S.O.2086 Dated 17 July 2007. It should have features as follows-

- High Voltage Insulated Mats of various Thickness with High Di Electric strength upto 65000 volts (i.e. 65 KV).
- Fire Retardant

- c. Excellent Mechanical properties to with stand load and movement of Breakers, Trolleys associated electrical equipments.
- d. No adverse effect of Acids, Alkali & Transformer oil.
- e. permanently pasted in front of electrical panels & equipments.

B) ELECTROMAT TECHNICAL SPECIFICATIONS: -

- a) INSULATION MAT WOULD BE ISI MARKED AT EVERY METER.
- b) INSULATION MAT WOULD BE TESTED BY CPRI FOR IS:15652:2006 SHOULD SUBMITT LATEST TEST REPORT.
- c) INSULATION MAT WOULD BE 100% SHOCK PROOF UNDER LEAKAGE CURRENT OF 10mA.
- d) INSULATION MAT WOULD BE FIRE RETARDENT, WATER AND MOISTURE PROOF.
- e) INSULATION MAT WOULD HAVE NO ADVERSE EFFECT OF ACIDS, ALKALIES AND TRANSFORMER OIL AND WOULD HAVE MECHANICAL PROPERTIES TO WITHSTAND LOAD AND MOVEMENT OF BREAKER TROLLEY.
- f) INSULATION MAT WOULD BE MANUFACTURED WITHOUT ANY METALLIC DERIVATIONS.
- g) INSULATION MAT WOULD BE SUITABLE FOR BOTH AC & DC ELECTRICAL INSTALLATIONS.
- h) INSULATION MAT WOULD HAVE HIGH TENSILE STRENGTH TO WITHSTAND TROLLEY MOMENT. FOR 2MM >15.0 N/SQ. MM. FOR 2.5 MM >15.0 N/SQ.MM. FOR 3.0 MM >15.0 N/SQ.MM.
- i) INSULATION MAT SHOULD BE MANUFACTURED WITHOUT ANY METALLIC DERIVATIONS.
- j) MECHANICAL PUNCTURE RESISTANCE TEST
- k) SLIP RESISTANCE TEST
- l) INSULATION MAT WILL BE MARKED WITH CLASS, ISI, LOT No, ROLL NO., MANUFACTURER IDENTITY.
- m) INSULATION MAT WOULD HAVE LIMITING OXYGEN INDEX (LOI) OF MINIMUM 30 AS PER IS: 13501.
- n) THE INSULATION MAT SHOULD HAVE INHERENT INBUILT GLOW BANDS ON THE BORDERS FOR EXTRA SAFETY AND VISIBILITY IN THE DARK.

C) Terms & Conditions :

- 1) The rate should be quoted on firm quotation basis.
- 2) The rate should be exclusive of all taxes. Taxes should be quoted extra.

- 3) You are requested to submit your best reasonable budgetary offer as per Schedule A for above work on **Email ID: ee6180@mahatransco.in upto 18:00 Hrs on dtd 17.03.2025.**
- 4) Following documents should be submitted along with your Offer:
 - a) Shop Act / Udyog Aadhar Registration Certificate.
 - b) Work Experience Certificate for similar nature of works in MSETCL/ in any Power Utility or in Private company in India.
- 5) Please note that said budgetary offer is only for estimate purpose & will not be considered for any bidding & no work will be issued based on this offer.

Thanking you,

Yours Faithfully,

Sd/-
Rupesh V. Gaikwad
Executive Engineer
400 kV R.S O&M Dn, Chakan
MSETCL, Pune