

MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD.,

Office of the Executive Engineer
500 Kv HVDC TL (O&M) Division, Rajgurunagar
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Ref.No.: EE/500 kV/HVDC/TL(O&M)/Dn./RNGR/Tech/ **No 0 0 6 5 0**

Date: **29 DEC 2023**

NOTIFICATION FOR BUDGETARY OFFERS
(Through MSETCL webpage)

Sub:- Supply and service of Nano Modified Acid Resistant Painting on Transmission Towers under the jurisdiction of 500 kV HVDC TL(O&M) Division, Rajgurunagar'

Sir/Madam,

This office has to prepare estimate for Supply and service of Nano Modified Acid Resistant Painting on Transmission Towers under the jurisdiction of 500 kV HVDC TL(O&M) Division, Rajgurunagar.

In view of this, budgetary Offers are invited from the MSETCL registered vendors having subject experience for the supply of material and service portion as per schedule A given below & as per under given terms and conditions :-

SCHEDULE -A

Sr. No.	Description	Unit	Qty	Rate (Ex-works without Freight&Insurance, Labour cess and GST) for each (A)	Freight & insurance on A (B)	Total A+B (C)	Labour cess on C (D)	Total C+D (E)	GST on E (F)	Total= E+F
1	Supply of Nano Modified Acid Resistant Painting on EHV Towers	Ltr	1							
2	Application of Nano Modified Acid Resistant Painting on EHV Towers	Sqm	1		NIL					

Scope of Work:-

Supply and application of Nano technology based acid and alkali resistant anti corrosive coating on transmission Tower under the jurisdiction of 500 kV HVDC TL(O&M) Division, Rajgurunagar'

Also include mobilization and demobilization of manpower material as required from contractor's base camp to execution site, labour, supervisor, vehicles, lodging & boarding of engaged labor, Tools and plant, material and any other services required for the execution of subject work.

The Detail Scope of work includes:

1. Surface Preparation: - The surface should be cleaned only by either mild machines grinding, manually by sand paper or with metal sharpeners and steel wires brushes for cleaning the rusted metal surface. Use rust remover to remove heavy or thick rust and paint stripper to remove old paint if painted previously.

2. Minimum one coat of acidic nano technology based rust fixator/rust preventive/steel guard Nano coat to freeze the rust permanently.
3. Minimum one coat (not less than 150 micron) of Acid and Alkali Resistant Nano Modified PvdF Epoxy paint.
4. Minimum one coat (not less than 150 micron) of Intermediate Acid and Alkali Resistant Nano Modified PvdF Epoxy paint.
5. Minimum one coat (not less than 150 micron) of finished Acid and Alkali Resistant Nano Modified PvdF Epoxy paint.

1. Salient Points of paint coating (Nano-technology based acid and alkali nano-modified anti corrosive coating) :-

Sr. No.	Feature	Particular
1.	Type of Painting	Nano Modified Acid Resistant
2.	Application of Painting	By Brush/ Roller
3.	Dry Film Thickness (DFT)	Not less than 150 micron in one coat.
4.	No. of coat to be done	Minimum 3
5.	Resistive Property	Chemical Resistant against fumes & Spillages (Acid & Alkali)

Contractor/Bidder shall submit following certificates for the nano modified acid and alkali resistant coating system :-

- i) Tafel Extra Polation test certificate for its Nobility.
- ii) Temperature stability test certificate for 250 degree Celsius
- iii) Bond strength with concrete test certificate as per IS:2770
- iv) ROHS compliance test certificate.
- v) Chemical resistance test as per ASTM D 6943.
- vi) Salt Spray test of 4000 hours from NABL approved labs.
- vii) Holiday detector test certificate for 5.5 kVA as per ASTM D5162.
- viii) Tensile strength and Elongation test certificate as per ASTM D 638.

Terms & conditions :-

1. The items/ material to be supplied or service portion required with specifications are as attached herewith separately.
2. The quotations complete in all respect as given in above format, duly sealed & superscribed should be submitted in this office within 10 days from date of the issue of notification on website.
3. The quoted rates should include the cost of all skilled & unskilled labor and requisite consumables, T&P and all incidental charges such as travelling,transport, accommodation.
4. The bidder should submit all the supporting and accompanying documents (i.e. material drawing if any, PAN, GST certificate, shop & establishment certificate, etc) required for execution of work in sealed envelope to this office.
5. 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.
6. Freight & Insurance will be applicable 2% on supply & Labour cess will be applicable 1% on supply and service items
7. GST at 18% will be applied on these items.
8. Validity of offer period should be mentioned on the offer letter.
9. Guarantee for supply of the material and Warranty for workmanship should be mentioned in the offer.

Such sealed offers need to be sent on letter head with due company seal and sign of authorized person in hard copy to this office address as mentioned above.

Signature
Executive Engineer
500kV HVDC TL O&M Division,
MSETCL. Rajgurunagar

Copy to :- Notice Board