

MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.

Name of Office	:	EHV O&M Division Dombivali,
Office Address	:	Office of the Executive Engineer, MIDC Residential Zone - II, P-31 Near New Power House, Dombivali (East) - 421 203
Telephone No.	:	8554996321
CIN No.	:	U40109MH2005SGC153646
E.mail ID	:	ee7240@mahatransco.in/ eedombivalim@gmail.com
Website	:	www.mahatransco.in

No.EE/EHV/O&M/Dn/DMB/ **01842**

Date **28 DEC 2023**

Budgetary offer

Sub. :- Budgetary offer for supply & application of nano technology based acid & alkali resistant nano modified Anticorrosive coating on EHV Line Transmission towers for various EHV lines under EHV Lines S/dn Ambernath under EHV (O&M) Dn Dombivali

Ref:- As per MSETCL Circular no. CE/MSETCL/VSH/F&A/No. 1996 dt. 27.07.2023

Dear Sir,

Please offer reasonable rates for the subject work as per the enclosed schedule 'A'. The detailed scope of works is given below. Please note the following.

RFx Number	Budgetary offer
Submission of Sealed and superscribed Quotations	29.12.2023, 10:00 Hrs to 04.01.2024, 18:00 Hrs.
Last date submission of Quotation	On or Before 04.01.2024, 18:00Hrs
Quotation opening date	05.01.2024 at 10:00 Hrs.(if possible)
Estimated Cost	

For further details visit our website :- <http://srmetender.mahatransco.in>
Contact Person :- The Dy.. Executive Engineer. (O) : Phone No. 9833266055.

TERMS AND CONDITIONS :-

- 1] **SCOPE of Work : For supply & application of nano technology based acid & alkali resistant nano modified Anticorrosive coating on EHV Line Transmission towers for various EHV lines under EHV Lines S/dn Ambernath as per the Schedule 'A'.**

The Scope of work includes " Supply and application of nano technology based acid and alkali resistant nano - modified anti corrosive coating on rusted Transmission Line tower's members legs/ stubs under EHV Lines s/dn Ambernath scope of work also includes mobilization & demobilization of manpower & material as required from contractor's base camp to execution site, labour, Supervisor, vehicles, lodging & boarding of engaged labour, Tools & Plants, Material and any other services required for the execution of subject work.

Proposed Technical Specification for Tower/Structure Painting:

It is Nano- technology based acid and alkali resistant nano- modified anti corrosive coating on rusted Transmission Line towers legs/stubs members should be used.

The Salient points of paint coating (Nano- technology based acid alkali Nano-modified anti corrosive coating):-

Sr. No.	Feature	Particular
1	Type of Point	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)

The test report of paint done at NABL certified test laboratory prior to start of work is must.

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

- 1) Tafel Extra Polation test certificate for its Nobility.
 - 2) Temperature stability test certificate for 250degree celsius
 - 3) Bond strength with concrete test certificate as per IS: 2770
 - 4) ROHS compliance test certificate.
 - 5) Chemical resistance test as per ASTM D 6943.
 - 6) Salt spray test of 4000 hours from NABL approved labs.
 - 7) Holiday detector test certificate for 5.5 KVA as per ASTM D5162.
 - 8) Tensile strength and Elongation test certificate as per ASTM D 638
- 2] The prescribed form i.e Schedule 'A' duly filled in with the rates written in words and figures and signed should be sent by Registered post or in person to The Executive Engineer EHV O&M Division, Dombivali.
- 3] Please Super scribe the offer with the following details :-
- A] Quotation for :-
 - B] Due Date :-
 - C] Name of the Bidder :-



- 4] Quotations which do not fulfill all or any of the qualifying conditions or are incomplete in any respect are liable to be rejected.
- 5] Bidder should not submit "Conditional Quotations"; Such conditional offer shall liable for rejection.

Not stated herein with all other General Terms and Conditions of the contract with MSETCL will be applicable to this contract too.

Thanking you,

Encl: Schedule 'A'

Yours faithfully,


H. S. Meshram,
Executive Engineer ,
EHV O&M DnDombivali


MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD
EHV (O&M) DIVISION, DOMBIVALI.

SCHEDULE 'A'

Sub - Budgetary offer for supply & application of nano technology based acid & alkali resistant nano modified Anticorrosive coating on EHV Line Transmission towers for various EHV lines under EHV Lines S/dn Ambernath under EHV (O&M) Dn Dombivali

Sr.No.	Material No	Material Description	Material Description	Unit	Qty in EA	Rate	Amount
Supply Part							
I	50007690	Painting of Line Suspension D/C Tower	<p>Technical Specification: Protection coating on EHV Towers with nano technology based acid & alkali resistant nano modified Anticorrosive coating as approved by C.O Mumbai:-</p> <p>(i) 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.</p> <p>(ii) Minimum one coat of Acidic nano technology based rust Fixator/ Rust Preventive / Steel Guard Nano coat to freeze the rust permanently.</p> <p>(iii) Minimum one coat (not less than 150 micron) of Acid and Alkali resistant Nano Modified PvdF Epoxy paint.</p> <p>(iv) Minimum one coat (not less than 150 micron) of Intermediate Acid and Alkali Resistant Nano Modified PvdF Epoxy paint.</p> <p>(v) Minimum one coat (not less than 150 micron) of finished Acid and Alkali Resistant Nano Modified PvdF Epoxy paint.</p> <p>Salient features of paint coating:</p> <p>Type of Paint: Nano modified Acid resistant</p> <p>Application of painting: By brush/ roller</p>				
	50007691	Painting of Line Cut point D/C Tower					

			<p>Dry Film Thickness: Not less than 150 micron in one coat.</p> <p>No. of coat to be done: Minimum 3</p> <p>Resistive property: Shall be chemical resistant against fumes and spillages (Acid & Alkali)</p> <p>The test report of paint done at NABL certified test laboratory prior to start</p>				
			TOTAL -A				
			GST @ 18%				
			GRAND TOTAL				


 H. S. Meshram
 Executive Engineer,
 EHV O&M Dn Dombivali
