

MSETCL/EE/500 kV HVDC IDOD /Dn./PDG/NO 524 .. Date : 27 SEP 2023

E- Enquiry (Budgetary offer)

Sub : - Enquiry of Providing and fixing Epoxy flooring for 500kV HVDC building at HVDC Padghe

Dear Sir

Budgetary offers are invited by the undersigned from the agency having experiences of Providing and fixing Epoxy flooring for 500kV HVDC building at HVDC Padghe on or before: 04/10/2023 up to 17:00 Hrs. The other terms And conditions are as mentioned below.

1) Offer should be duly filled in and submitted via sealed envelope to SE,HVDC ,Padghe office address as below-


SUPERINTENDING ENGINEER, HVDC RS (O&M) Circle,PADGHE - 421 101
Tal: Bhiwandi Dist-Thane (Maharashtra, India) Phone No. : 9769006191 (O)

, will only be accepted.

2) This enquiry is solely for collection of offer for estimate purpose & not for work allocation.

3) The offer should be submitted as per details mentioned below.

4) Quote rate in prescribed format & Attached Specifications in Annexure-A::


Executive Engineer
±500 KV HVDC ID/OD Padghe.

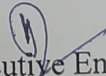
MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD.
HVDC IDOD TSC Division, Padgha.

Annexure-(A)

Subject: Providing and fixing Epoxy flooring for 500kV HVDC building at HVDC Padghe

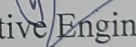
Sr. No.	Particulars of item	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	Removing of old carpet & cleaning the surface for applying coat of primer	495.48	Sqm		
2	Providing and applying top coat of primer before applying flooring epoxy including necessary preparing surface including filling with white cement and by thoroughly cleaning of oil, grease, dirt and other material and fine aggregate (naturalsand /crushed sand VSI grade finely washed etc.) preparing as required, etc. complete.	495.48	Sqm		
3	Providing and fixing 2mm thick epoxy carpet flooring in line and level with required finish including all labour and material etc complete as directed by the Engr-in-charge	495.48	Sqm		
Total					

Note:- Above all rates should be exclusive of GST+ Labour cess & all other applicable charges, should be mentions separately if applicable. Estimated quantity is tentative it may vary during the PO.


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Technical Data

1	Base	Two component epoxy resin
2	Mixed Colour	Yellowish translucent white
3	Mixing ratio, parts by weight	100:16
4	Mixed Density	1.4+0.55g/cm ³
5	Pot life at +30 ⁰ C at +30 ⁰ C	Approx. 15 minutes Approx. 30 minutes
6	Application temperature	Min. Approx.+10 ⁰ C Max. Approx.+30 ⁰ C
7	Foot traffic after at 27 ⁰ C (ASTM C 722)	Min. 12 Hours
8	Overcoat after, at 27 ⁰ C (ASTM D 1640)	Min. 12 hours up to a max 24 hours
9	Full cured after at +27 ⁰ C (ASTM C722)	Approx 7 days
10	Min cure temperature	+10 ⁰ C
11	Bond strength @ 7 days at 27+ C (ASTM D4541-95)	1.5 N/mm ² concrete failure
12	Mixed Density	Approx 1.65gm/cc
13	Shore D hardness after 7 days at 30 ⁰ C (ASTM D 2240)	70- 80
14	Foot Traffic (ASTM C772)	24 Hours @30 ⁰ C 48 Hours @30 ⁰ C
15	Vehicular traffic (ASTM C772)	72 Hrs. @30 ⁰ C
16	Abrasion resistance (ASTM D 4060)	H 18: 0.35 mm loss
17	Chemical Resistance (ASTM C 722 Spot)	7 Days @30 ⁰ C
18	Compressive strength After 14 days (IS 9162)	>60 N/mm ² @30 ⁰ C
19	Flexural Strength After 14 days (IS 9162)	>30 N/mm ² @30 ⁰ C
20	Tensile Strength After 14 days (IS9162)	>16 N/mm ² @30 ⁰ C
21	Thermal Resistance Permanent	+ 5 ⁰ C


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