



MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.  
(CIN: U40109MH2005SGC153646) (GSTN: 27AAECM2936N1Z2)

**Office of the Executive Engineer (Civil),**  
E.H.V. Civil Construction Cum Maintenance Division, Airoli  
M.S.E.T.C.L. Complex, Thane – Belapur Road,  
Post Box No. 11, Airoli, Navi Mumbai – 400 708  
☎022- 27601814 ☐e-mail: ee7710@mahatransco.in

**Date:20.02.2024**

**TO WHOMSOEVER IT MAY CONCERN**

**Sub:** Invitation of Budgetary offer for work of “Providing and applying IS 17218:2019 based Solar Thermo-Heat Reflective WP Coating System at 220 KV Airoli Knowledge Park Substation”.

Dear Sir,

With ref to the above subject, this office is processing the estimate of subject work and for the same budgetary offer are invited by the undersigned from reputed, experienced vendors, through email upto 27.02.2024, 18:00:00 Hrs.

You are requested to quote your best reasonable rate for the above work. The terms & Conditions are as follows:

**Terms & Condition:**

1. The rate should be quoted on firm quotation basis.
2. The budgetary offer rates shall include all material T&P, skilled workmen, etc.
2. The rates should be exclusive of all taxes. Taxes should be quoted extra. The GST & other taxes should be mentioned in the budgetary offer.
3. You are requested to submit your best reasonable budgetary offer as per Schedule ‘A’ for above works on **E-mail id: ee7710@mahatransco.in** upto 27.02.2024, 18:00:00 Hrs.
4. Budgetary offers received after the due date will not be accepted.
5. Submit the budgetary for the items mentioned in schedule attached with this letter.
4. Following documents should be submitted along with your offer
  - Test Report for products as per IS 17218:2019/ASTM standards from NABL accredited lab. - Drying Time, Mass, Consistency, Viscosity, Finish, Thickness, SRI, pull off Adhesion, Hardness, Accelerated Weatherometer test (2000 hrs.).
  - Test Report for products as per ASTM Standard from NABL accredited lab - Stormer Viscosity (ASTM D562-18), Solid Content (ASTM D 2369), Taber Abrasion (ASTM D 4060), Cross Hatch Test (ASTM D 3359), Alkali Resistance (ASTM D 6943), Acid Resistance (ASTM D 6943), % Elongation (ASTM D 638), Tensile Strength (ASTM D 638), Water Vapor permeability (ASTM D 1653)
  - Griha Certification for GRIHA V 3.1/5/4 & 2015 3/8 & SVGRIHA 2/5 issued by Griha Council

Please note that said budgetary offer is only for estimation purpose and will not be considered for any bidding & no work order will be issued based on this offer.

Thanking you,

Yours Faithfully,

Executive Engineer (Civil), Airoli.

**Schedule A**

<b>ITEM WISE - SUPPLY &amp; APPLICATION OF 5 LAYER THERMACOOL SHR WP SYSTEM</b>			
<b>STEP</b>	<b>ITEM INCLUDING MATERIAL AND LABOUR</b>	<b>Unit</b>	<b>Rate</b>
1	SURFACE PREPARATION BY REMOVAL OF APP SHEETS/CLEANING THE SURFACE WITH WIRE BRUSH, HIGH PRESSURE WATER JET, THINNER TO REMOVE DIRT, MILDEW, LOOSELY HELD PLASTER, POWDERY RESIDUE, OIL, GREASE OR ANY OTHER CONTAMINATION, IDENTIFICATION AND OPENING OF CRACKS ETC AS APPLICABLE	Sq.m.	
2	<b>1ST COAT</b> - APPLICATION OF ABSORPTION COAT: MIXING THERMACOOL WP51 + CEMENT + WATER IN THE RATIO 1:2:17 V/V AND APPLYING IT GENEROUSLY ON THE ENTIRE SURFACE ENSURING SATURATION OF OPENED CRACKS	Sq.m	
3	FILLING OF CRACKS WITH ELASTOMERIC PUTTY (THERMACOOL WP51 + CEMENT) AND THEN SEALING IT WITH THERMACOOL WP51+CEMENT WATERPROOFING COAT	Sq.m	
4	<b>2ND COAT</b> - APPLICATION OF WATERPROOFING COAT: MIXING THERMACOOL WP51 + CEMENT + WATER IN THE RATIO 8: 8-10: 3-4 DEPENDING ON VARIOUS ATMOSPHERIC FACTOR AND THEN APPLYING IT BY POURING AND SPREADING ON THE ENTIRE SURFACE.	Sq.m	
5	<b>3RD COAT</b> - APPLICATION OF WATERPROOFING COAT: MIXING THERMACOOL WP51 + CEMENT + WATER IN THE RATIO 8: 8-10: 3-4 DEPENDING ON VARIOUS ATMOSPHERIC FACTOR AND THEN APPLYING IT BY POURING AND SPREADING ON THE ENTIRE SURFACE.	Sq.m	
6	<b>4TH COAT</b> - MIXING AND APPLYING OF THERMACOOL 0.3C PURE ACRYLIC BASED, UV RESISTANT, NON-YELLOWING, BIO-ORGANISM RESISTANT (NON-CHALKING, NON-YELLOWING, ANTI-FUNGAL, ANTI-BACTERIAL) SOLAR IR HEAT REFLECTIVE COATING CONFORMING TO BIS STD IS 17218:2019 WITH PULL OFF ADHESION 2.8 MPA, PASSES 2000 HRS ACCELERATED DURABILITY TEST, SUITABLE FOR ALL TYPES OF CEMENTITIOUS SURFACES, MATT, WHITE COLOUR.	Sq.m	
7	<b>5TH COAT</b> - MIXING AND APPLYING OF THERMACOOL 0.3C PURE ACRYLIC BASED, UV RESISTANT, NON-YELLOWING, BIO-ORGANISM RESISTANT (NON-CHALKING, NON-YELLOWING, ANTI-FUNGAL, ANTI-BACTERIAL) SOLAR IR HEAT REFLECTIVE COATING CONFORMING TO BIS STD IS 17218:2019 WITH PULL OFF ADHESION 2.8 MPA, PASSES 2000 HRS ACCELERATED DURABILITY TEST, SUITABLE FOR ALL TYPES OF CEMENTITIOUS SURFACES, MATT, WHITE COLOUR.	Sq.m	

  
 Executive Engineer (Civil), Airoli.