

**Bharat Heavy Electricals Limited**  
**High Pressure Boiler Plant**  
**Tiruchirappalli – 620 014. India**  
**Civil Engineering Department (Factory)**

**TENDER DOCUMENT (PRICE BID)**

**Name of work** : **Roof water proofing of Building 66 in HPBP  
Factory Area, BHEL, Tiruchirappalli**

**Value of work** : **Rs. 7,75,200.00 + Applicable GST**

**Tender Schedule No.** : **CF:TS:032/19-20**

**Period of Contract** : **02 (Two) Months**

**EMD** : **Rs. 15,500/- (Rupees Fifteen Thousand Five  
Hundred only)**

**Issued to** :

**Date of Notification** : **09.10.2019**

**Last Date for Receipt of  
Tender** : **15.10.2019 at 10.00 hrs**

**BHARAT HEAVY ELECTRICALS LIMITED  
TIRUCHIRAPALLI - 620 014**

**SCHEDULE - A**

**Name of Work:** Roof water proofing of Building 66 in HPBP Factory Area, BHEL, Tiruchirappalli

I / We \_\_\_\_\_ have read the condition of tender attached hereto and agree to abide by such conditions. I/We offer to execute the works in **CF:TS:032/19-20** for a period of **02 (Two) Months** at the percentage below / at par / above the rates contained in Bill of Quantities appended **below from Page 03**.

I / We further agree to sign an Agreement Bond to abide by the General Conditions of Contract and to carry out all works according to the specifications for materials and works of Bharat Heavy Electricals Limited, Tiruchirapalli-620 014. In case of acceptance of the tender by the BHEL, I/We bind myself/ourselves to execute the contract documents within 7 days after notice that my/our tender has been accepted and this contract has been awarded to me/us and thus failing which I/We shall have no objection to the forfeiture of the Earnest Money amount to **Rs. 15,500/- (Rupees Fifteen Thousand Five Hundred only)** lodged with Bharat Heavy Electricals Limited, Tiruchirapalli-620 014.

I / We further agree to include all tools & plants and consumables required for the work in my / our scope but required power and water will be provided at one point by BHEL at free of cost and based on this, we have quoted our percentage.

**Note:** Details & Quantities of each item of work shown in the BILL OF QUANTITIES are only approximate and the same is appended below. They are given as a guide for the purpose of tendering only and are liable to variation and alteration of the Competent Authority. The work under each item as executed shall be measured and priced at the overall percentage quoted by the contractor **Below (100-X) % / At par (100%) / Above (100+X) %** of the rates provided in Bill of Quantities appended below from **Page 03**

Sl. No.	Approx. Value of work	<b>Common single percentage rate, Below (100-X) % / At par (100%) / Above (100+X) % to be quoted with respect to the BHEL estimate rate provided in Bill of Quantities appended below from Page 03</b>	
		In Figures	In Words
1.	<b>Rs. 7,75,200.00</b> (Excluding GST) = 100%		

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**Note: BHEL estimate total 100% is given below. Contractor has to quote Common single percentage, Below (100-X) % / At par (100%) / Above (100+X) %, with respect to the estimate total in Bill of Quantities below, at page 2 both in figures and in words.**

**BHEL / TRICHY-620 014 , CIVIL ENGINEERING DEPARTMENT-FACTORY**

**BILL OF QUANTITIES**

**Name of work : Roof water proofing of Building 66 in HPBP Factory Area, BHEL, Tiruchirappalli**

<b><u>Specification</u></b>					
<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>Qty</b>	<b>Units</b>	<b>BHEL Rate</b>	<b>Amount</b>
<b>10</b>	<p>Providing Atactic Polypropylene Membrane (torch applied bituminous membrane) water proofing treatment over the pre-cast concrete roof at Building 66 in BHEL, Trichy Factory complex. The scope of work is as follows:</p> <ol style="list-style-type: none"> <li>1. Dismantling/removing/racking/chipping out the existing bituminous membrane and other loose particles in the roof slab</li> <li>2. Removing the residual bituminous material using LPG torch or any other approved methodology</li> <li>3. Disposing off the materials / debris as per the instructions of Engineer in-charge</li> <li>4. Joints between the pre-cast slabs shall be filled with Cement Mortar 1:3</li> <li>5. Undulations shall be levelled with polymer modified mortar</li> <li>6. Drain pipe joints shall be sealed with polymer modified mortar</li> <li>7. One coat of Bituminous primer shall be applied over the surface</li> <li>8. Atactic Polypropylene Membrane (torch applied bituminous membrane) of 4 mm thick shall be installed over the surface after primer as per manufacturer's recommendations and application methodology</li> <li>9. The laps shall be as per manufacturer's recommendation <b>subject to minimum 100 mm</b></li> <li>10. The treated area shall be covered with one coat of Aluminium paint suitable for the bituminous membrane</li> <li>11. Payment will be made for the completed area of roof measured in square meters</li> <li>12. The rate quoted shall include all materials including cement, labour charges, safety equipment, PPE and any other incidental charges etc., complete</li> </ol>	950.00	SQM	816.00	7,75,200.00

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	13. Rate quoted does not include GST 14. The height of the roof slab is at +10 meter level  <u><b>Special Conditions:</b></u> 1. Maintenance Period - 6 Months 2. The vendor shall visit the site before submitting his offer 3. The vendor shall submit the manufacturer's product data sheet along with approved application procedure along with the offer 4. Approved Product List – SIKA/Dr Fixit/Cera or any other brand approved by BHEL 5. Electrical Energy, water and compressed air if required for the work will be provided by BHEL at free of cost at one point.				
	<b>BHEL estimate total (100%)</b>				<b>Rs. 7,75,200.00</b>

Mentioned rates excludes GST%

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