

# TENDER SPECIFICATION

**BHEL: PSSR: SCT: 1405**

**FOR**

Handling at site stores / storage yard, Transportation to site of work, Application of Refractory & Insulation materials and connected works for Boiler and its auxiliaries and Piping works for units 1 & 2 of 2 x 500 MW units

**at**

**NTECL Vallur TPP, Kuruvimedu, Ponneri TK,  
Tiruvallur Dist, Tamilnadu**

**PART – II PRICE BID**

**BOOK NO :**



**BHARAT HEAVY ELECTRICALS LIMITED**

(A Government of India Undertaking)  
Power Sector – Southern Region  
690, Anna Salai, Nandanam, Chennai – 600 035.

**BHARAT HEAVY ELECTRICALS LIMITED**  
(A Government of India Undertaking)  
Power Sector, Southern Region  
690, Anna Salai, Nandanam, Chennai – 35

*TENDER SPECIFICATION NO: BHEL: PSSR: SCT: 1405*

**NAME OF WORK**

Sub: Handling at site stores / storage yard, Transportation to site of work, Application of Refractory & Insulation materials and connected works for Boiler and its auxiliaries and Piping works for units-1 & 2 of 2 x 500 MW units at NTECL Vallur TPP, Kuruvimedu, Ponneri TK, Tiruvallur Dist, Tamilnadu

(PRICE BID)

PART II

Issued to  
M/s.

For and on behalf of  
BHARAT HEAVY ELECTRICALS LIMITED

Additional General Manager/Contracts

(This tender document is not transferable)

Place: Chennai-600 035.  
Date:

**SECTION – VII - APPENDIX -VII**

**RATE SCHEDULE –NTECL-VALLURTPP- 2 X 500 MW UNITS – I & II**

SNO	DESCRIPTION OF WORK	APPROXIMATE WEIGHT PER UNIT ( MT)	RATE / MT ( Rs )	TOTAL AMOUNT ( Rs )
01	Application of all insulation & refractory materials like Cement, mortar standard and shaped bricks refractory, pourable insulation & other similar items as per BHEL Engineers instructions and drawings for Boiler and connected auxiliaries,& equipments, TG Auxiliaries and piping. Rates quoted shall include all incidental works like chipping, shaping and arranging shuttering if any to suit site conditions & leading these materials from storage yard to place of erection.			
1a	Fire Bricks	<b>0.73</b>		
1b	Castable Refractory	<b>150.00</b>		
1c	Pourable Insulation	<b>270.00</b>		
1d	Sealing compound	<b>1.53</b>		
2	Application of Mineral wool insulation including acoustic insulation of fans, Insulation in the specific shapes like mattresses of single or multilayer ( with unbonded and bonded wool mattresses) as per drawings, BHEL's specifications & BHEL Engineers instructions for Boiler and their connected auxiliaries, ESP ( excluding ESP inner walls),piping. These rates shall include preparation of mattresses with specified density and proper shape to suit ducts, vessels, pipes, valves and other similar works. These shall also include leading these materials from storage yard to place of work.	<b>1649.17</b>		

SNO	DESCRIPTION OF WORK	APPROXIMATE WEIGHT PER UNIT ( MT)	RATE / MT ( Rs )	TOTAL AMOUNT ( Rs )
3	Application of iron components for linking and fixing components like hooks, casing supports , casing strips, omega strips retainers, sheets, channels, weld mesh, GI wire, etc., including erection of structural material enclosures for pressure parts, skin casing and other miscellaneous items, for insulation works including fabrication, erection and installation of these components gas and arc welding, gas cutting, etc., required for proper erection of the materials, painting as required for above works as per drawings & specification and instructions of BHEL Engineer. The rate quoted shall also include leading these materials from storage yard to place of work and also gas cutting, welding, bolting, threading, jointing, erection, alignment welding of structural parts coming as support for insulation, refractory works, etc., as per drawings and BHEL Engineer instructions.	<b>289.63</b>		
4	Application of Aluminium sheeting of varying thickness including corrugated sheets and other connected components used for supporting and reinforcing wool insulation including arc and gas welding, fabrication and installation of these components, painting inner side of the sheets with two coats of anti corrosive paint ,application of sealing compound as per BHEL specification , drawings and site engineers instructions. The rate quoted shall also include fabrication of boxes shaped coverings to suit site conditions and leading these materials from storage yard to place of work.	<b>363.05</b>		

**TOTAL (SL NO 01 TO 04) Rs** \_\_\_\_\_

SIGNATURE OF THE TENDERER

**Note :**

1. The total weight indicated in rate schedule is only approximate and is liable for variation / alteration at the discretion of BHEL.
2. welding includes welding on pressure parts and non pressure parts of certain places. The accepted rates shall include this also.
3. Tenderers are required to quoted their rates, only in the price bid (part II) provided by BHEL. Quoting of rates in any other form / formats will not be entertained.

**SIGNATURE OF THE TENDERER**