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# TENDER SPECIFICATIONS

TENDER NO. BHEL: NR(SCT): SURATGARH -6:BLR & MM: 415

FOR

Erection, testing, commissioning and trial operation of Boiler and Material Handling work for the entire plant packages of 1 x 250 MW coal based unit # 6, Stage – IV at Suratgarh Thermal Project (SSTPS), Distt. Sri Ganganagar, Rajasthan.

## PART II – PRICE BID



**Bharat Heavy Electricals Limited**  
(A Govt. Of India Undertaking)  
**Power Sector – Northren Region,**  
**Plot No. 25 , Sector - 16A ,**  
**Distt. Gautam Budh Nagar, NOIDA – 201 301 (INDIA)**



ISO 9001-2000, ISO 14001  
and OHSAS 18001 certified  
company  
SubContract and Purchase  
Deptt.

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**Plot No. 25 , Sector - 16A ,**  
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**IMPORTANT NOTE**

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THIS TENDER SPECIFICATION ISSUED TO:

M/S-----

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**RATE SCHEDULE****I. Rates For Erection Testing & Commissioning Of Boiler, ESP, Rotating Machines Piping & insulation etc.**

Sl. No	DESCRIPTION OF WORK	Rate in Rupees (In figures and words)	TOTAL VALUE in Rupees (In figures and words)
	<b>BOILER WORKS</b>		
1	Rate in Rupees per MT for handling, erection, testing, commissioning, trial operation and handing over of 1 x 250 MW Boiler, ESP, Rotating Machines, auxiliaries etc as per tender specifications. (Approx. tonnage involved is <b>14,600 MT</b> as per Annexure- I)		
2	<b>Rate in Rupees per MT</b> for handling, erection, testing, commissioning, trial operation and handing over of Piping systems for 1 x 250 MW Boilers as per tender specifications (Approx. tonnage involved is <b>850 MT</b> including its insulation as per Annexure- I)		
2a	<b>All Piping systems Except of P91 material</b> (Approx. tonnage involved is <b>740 MT</b> as per Annexure- I)		
2b	<b>All Piping systems of P91 material</b> (Approx. tonnage involved is <b>110 MT</b> as per Annexure- I; Welding consumables shall be as per SCC cl. 36.4)		
3	<b>Differential Rate</b> in Rupees per joint for welding, HT, RG and NDT for T91 tubes joints in boiler (extra rate over and above the rate covered at sl no. 1 of rate schedule) (Appx. Joints = <b>500 nos.</b> )		

**II. RATES FOR MATERIAL HANDLING WORK****(A) MAIN RATES**

SI.No	DESCRIPTION OF WORK	Rate in Rupees (In figures and words)	Total Value in Rupees (In figures and words)
4	Rate in Rupees per MT <b>for entire scope of work</b> of material handling as defined in this tender specification in respect of all items (except Boiler Drum Generator Stator and Generator Transformer) from Railway Wagons at power plant siding of RVUNL.  (Approx. weight to be handled <b>10,000 MT</b> )		
5	Rate in Rupees per MT <b>for entire scope of work</b> of material handling as defined in this tender specification in respect of all items (except Boiler Drum Generator Stator and Generator Transformer) from Trucks / Trailers and other vehicles directly coming to site / store sheds / storage.  (Approx. weight to be handled <b>4,500 MT</b> )		
6	Rate in Rupees per MT <b>for entire scope of work</b> of material handling as defined in this tender specification in respect of all items already received at site prior to commencement of work contract excluding unloading from trucks / trailers and other vehicles directly received at site / store sheds / storage which may involve reshifting / restacking etc.  (Approx. weight to be handled <b>3,000 MT</b> )		
7	<b>Lump sum price</b> for entire scope of work as defined in this tender specification in respect of following items:		<b>LUMPSUM PRICE FOR EACH ITEM</b>
7.1	To unload Generator stator Approximate weight: <b>218 MT</b>		
7.2	Generator Transformer Approximate weight: <b>180 MT</b>		
7.3	Boiler Drum Approximate weight: <b>133 MT</b>		

## B) OPTIONAL RATE FOR MATERIAL HANDLING WORK

Sl.No	Description of Work	Rate in Rupees (In figures and words)
8	<p><b>Loading</b> of materials including packing (if required) <b>in their own Trucks / Trailers</b> and transporting it to Carriers Godown / Railway Station at following locations &amp; booking of the same to destination as per instructions of the Engineer.</p> <p>SURATGARH Rate in Rs. Per MT</p> <p>Minimum rate per trip</p> <p>BIRTHWAL Rate in Rs. Per MT</p> <p>Minimum rate per trip</p>	
9	<p>Rate in Rs. per MT for collecting and <b>loading</b> of materials including packing (if required) <b>in carriers Trucks / Trailers</b> (to be placed by Carriers) at the plant stores/ project area for despatch of material.</p>	
10	<p>For scope of work as defined in this tender in respect of all items (except Boiler Drum and Generator Stator) for <b>taking delivery</b> of materials in their own Trucks / Trailers from</p> <p>a) Godowns of Carriers, parcels / goods office of Railways at <b>Suratgarh</b> &amp; bringing the same to BHEL store.</p> <p>Rate in Rs. Per MT</p> <p>Minimum rate per trip</p> <p>b) a) Godowns of Carriers, parcels / goods office of Railways at <b>Birthawal</b> &amp; bringing the same to BHEL store.</p> <p>Rate in Rs. Per MT</p> <p>Minimum rate per trip</p>	

NOTES:

1. The quantities indicated against each item above are tentative and these are liable to vary depending upon the site requirement. The contractor has to handle / erect / commission all items indicated by BHEL Engineer for achieving unit wise milestone and completion of work.
2. PLEASE NOTE THAT RATE SCHEDULE FOR BOILER AND MATERIAL HANDLING WORK IS TO BE SUBMITTED IN SEALED ENVELOPE, AS PER ABOVE RATE SCHEDULE. PLEASE REFER CLAUSE- 56.3 (RATE SCHEDULE)
3. Only 'Unit Rate' shall be considered for evaluation and award.
4. The rate shall be entered in figures as well as in words. In case of difference in rates between words and figures, the lesser of the two will be treated as valid rate.
5. In case of omission in quoting any rate, the evaluation will be done considering the highest quoted rate obtained against that item. But the work, if awarded, will be on the lowest quoted rate obtained against that item.
6. Rates applicable against item no 7.1, 7.2 & 7.3 will be applicable only when the material is unloaded Manually by sleeper / jack method. In case material is unloaded using BHEL's 75 /100 / 150 /200 / 250 MT crane or EOT CRANE, the payment shall be released as per quoted rate against the applicable rates under Item no 4 or 5
7. Items covered in above Sl. Nos. 8, 9 and 10 are optional rates and shall not be considered for evaluation of tender.
8. The contractor while quoting the price / rates as above, categorically confirms having understood the fullest implications of the price escalation provisions contained in [clause 50.0](#) of this tender. Accordingly, taking into considerations all aspects thereof, quoted the above rates. Further the contractor confirms that he will not come up with any other claim / compensation on account of any increase whatsoever during entire period of execution including extended period, if any.

(Seal and Signature of Tenderer)