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## **TENDER SPECIFICATION**

**TENDER NO. BHEL/NR/SCT/GADARWARA/PIPING/PACKAGE- A&B/1002**

**FOR**

**“COLLECTION OF MATERIALS FROM BHEL/CLIENT’S STORES/STORAGE YARD, TRANSPORTATION TO SITE, ERECTION, TESTING, COMMISSIONING AND HANDING OVER OF POWER CYCLE PIPING, ITS INSULATION AND FINAL PAINTING OF PACKAGE-A (UNIT NO. 1 & AUX. BOILER) & PACKAGE-B (UNIT NO.2 ) INCLUDING SUPPLY OF PAINTS AT 2X800 MW, GADARWARA STPS OF NTPC, GADARWARA MP.”**

**PART II – PRICE BID (Package –A)**



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

**TENDER NO. BHEL/NR/SCT/GADARWARA/PIPING/PACKAGE- A&B/1002**



ISO 9001, ISO 14001,  
OHSAS 18001 & SA 8000  
certified company  
SubContract and Purchase Deptt.

**Bharat Heavy Electricals Limited**  
(A Govt. Of India Undertaking)  
**Power Sector – Northern Region,**  
**Plot No. 25 , Sector - 16A ,**  
**Distt. Gautam Budh Nagar, NOIDA – 201 301(INDIA)**  
**Phone: 0091-0120- 2416440/ 2416292**  
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**TENDER NO -: BHEL/NR/SCT/GADARWARA/PIPING/PACKAGE- A&B/1002**

**IMPORTANT NOTE**

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THIS TENDER SPECIFICATION ISSUED TO:

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**RATE SCHEDULE FOR PACKAGE –A (UNIT No. 1)**

	<b><u>PACKAGE-A (UNIT NO. 1)</u></b>	
<b>11.0</b>	<b><u>RATE SCHEDULE (UNPRICED)</u></b>	
<b>Item No.</b>	<b>DESCRIPTION OF WORK</b>	<b>Total Value In Rupees (In figures and words “A”)</b>
<b>11.1</b>	<p><b>Total Lumpsum price for entire scope of handling, erection, testing, commissioning, trial operation and handing over of Piping of Unit No.1 &amp; Aux. Boiler Piping at 2x800 MW, NTPC Gadarwara including insulation &amp; final painting including Supply of paints as per tender specification.</b></p> <p><b>(Approx. tonnage involved is 4917 MT as per Annexure-B)</b></p>	
<b>11.2</b>	<b>Grand total amount (Rs)</b>	
<b>11.3</b>	<b>Note:-</b>	
<b>11.3.1</b>	<b>The rates of different items for the entire scope shall be worked out &amp; awarded as per Annexure “B”.</b>	

<b>PACKAGE-A (UNIT NO. 1 &amp; AUX. BOILER)</b>			
<b>Sl. No</b>	<b>DESCRIPTION OF WORK</b>	<b>QTY.&amp; UNIT</b>	<b>Rate per MT in Rupees (In figures and words)</b>
<b>11.4</b>	<b>PIPING (SERVICE PORTION)</b>		
<b>11.4.1</b>	Rate in Rupees per MT for erection, testing, commissioning, trial operation and handing over of Piping of Unit No.1 & Aux. Boiler Piping as per tender specifications. (As per attached Annexure I,II, III,IV,VIII, IX, X)		
11.4.1.1	P-91/P-92 Piping	<b>910 MT</b>	<u>A X 30.2127</u> 100000
11.4.1.2	P-22/Alloy Steel (AS) Piping	<b>97 MT</b>	<u>A X 23.8286</u> 100000
11.4.1.3	Carbon Steel (CS) Piping/ H&S/ Additional Platforms/ Other Materials/ PEM Supply (Except insulation)	<b>2974 MT</b>	<u>A X 20.2929</u> 100000
11.4.1.4	Stainless Steel (SS) Piping	<b>3 MT</b>	<u>A X 38.7335</u> 100000
11.4.1.5	Temporary Piping	<b>176 MT</b>	<u>A X 7.1237</u> 100000
11.4.1.6	Insulation	<b>757 MT</b>	<u>A X 9.8732</u> 100000
	<b>TOTAL</b>	<b>4917 MT</b>	
<b>11.5</b>	<b>PIPING (SUPPLY PORTION)</b>		
<b>11.5.1</b>	Supply of all paints, primers & other consumables required for complete painting of Unit No. 1 as per Tender specification	<b>Lumpsum</b>	A X 0.01
<b>11.6</b>	<b>NOTES:</b>		
<b>11.6.1</b>	The quantities indicated above are tentative and are liable to vary depending upon the site requirement. The contractor has to supplied / erect / commission all the items indicated by BHEL for achieving the milestones and completion of work.		
<b>11.6.2</b>	Evaluation of bids shall be done on total price of Package-A against this Rate Schedule/BOQ.		
<b>11.6.3</b>	In case of any mismatch in Rate and amount on Price discrepancy, the same will be dealt as per clause No. 1.4 of GCC.		
<b>11.6.4</b>	The contractor while quoting the above rates, categorically confirms having understood the fullest implications of price escalation provisions contained in tender. Accordingly taking into consideration all aspects thereof quoted above rates. Further contractor confirms that he will not come with any other claim/compensation on account of any increase whatsoever during the entire period of execution including extended period, if any.		
<b>11.6.5</b>	The final award value shall be based on the calculated value of ANNEXURE 'B' & not quoted value of ANNEXURE 'A'		

**DATE:**  
**PLACE:**

**SIGNATURE:**  
**NAME OF SIGNATORY:**  
**NAME OF BIDDER:**  
(SEAL OF THE BIDDER)

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**PART II – PRICE BID (Package –B)**



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

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**RATE SCHEDULE FOR PACKAGE –B (UNIT No. 2)**

	<b><u>PACKAGE-B (UNIT NO. 2)</u></b>	
<b>11.7</b>	<b><u>RATE SCHEDULE (UNPRICED)</u></b>	
<b>Item No.</b>	<b>DESCRIPTION OF WORK</b>	<b>Total Value In Rupees (In figures and words "A")</b>
<b>11.8</b>	Total Lumpsum price for entire scope of handling, erection, testing, commissioning, trial operation and handing over of Piping of Unit No.2 at 2x800 MW, NTPC Gadarwara including insulation & final painting including Supply of paints as per tender specification.  (Approx. tonnage involved is 4688 MT as per Annexure-D)	
<b>11.9</b>	<b>Grand total amount (Rs)</b>	
<b>11.10</b>	<b>Note:</b>	
<b>11.10.1</b>	<b>The rates of different items for the entire scope shall be worked out &amp; awarded as per Annexure "D".</b>	

<b>PACKAGE-B (UNIT NO. 2)</b>			
<b>Sl. No</b>	<b>DESCRIPTION OF WORK</b>	<b>QTY.&amp; UNIT</b>	<b>Rate per MT in Rupees (In figures and words)</b>
11.11	PIPING (SERVICE PORTION)		
11.11.1	Rate in Rupees per MT for erection, testing, commissioning, trial operation and handing over of Piping of Unit No.2 as per tender specifications. (As per attached Annexure V,VI,VII, VIII, IX, X)		
11.11.1.1	P-91/P-92 Piping	893 MT	A X 31.7422 100000
11.11.1.2	P-22/Alloy Steel (AS) Piping	97 MT	A X 25.0352 100000
11.11.1.3	Carbon Steel (CS) Piping/ H&S/ Additional Platforms/ Other Materials/ PEM Supply (Except insulation)	2767 MT	A X 21.3177 100000
11.11.1.4	Stainless Steel (SS) Piping	3 MT	A X 40.6950 100000
11.11.1.5	Temporary Piping	176 MT	A X 7.4842 100000
11.11.1.6	Insulation	752 MT	A X 10.3729 100000
	<b>TOTAL</b>	<b>4688 MT</b>	
11.12	PIPING (SUPPLY PORTION)		
11.12.1	Supply of all paints, primers & other consumables required for complete painting of Unit No. 2 as per Tender specification	Lumpsum	A X 0.01
11.13	<b>NOTES:</b>		
11.13.1	The quantities indicated above are tentative and are liable to vary depending upon the site requirement. The contractor has to supplied / erect / commission all the items indicated by BHEL for achieving the milestones and completion of work.		
11.13.2	Evaluation of bids shall be done on total price of Package-B against this Rate Schedule/BOQ.		
11.13.3	In case of any mismatch in Rate and amount on Price discrepancy, the same will be dealt as per clause No. 1.4 of GCC.		
11.13.4	The contractor while quoting the above rates, categorically confirms having understood the fullest implications of price escalation provisions contained in tender. Accordingly taking into consideration all aspects thereof quoted above rates. Further contractor confirms that he will not come with any other claim/compensation on account of any increase whatsoever during the entire period of execution including extended period, if any.		
<b>11.13.5</b>	The final award value shall be based on the calculated value of ANNEXURE 'D' & not quoted value of ANNEXURE 'C'		

**DATE:**  
**PLACE:**

**SIGNATURE:**  
**NAME OF SIGNATORY:**  
**NAME OF BIDDER:**  
(SEAL OF THE BIDDER)