

**TENDER SPECIFICATION**  
**BHEL: PSSR: SCT: 1977**

**FOR**

**Erection, Testing and  
Commissioning of Power Cycle Piping  
and all associated Piping & Insulation  
works of Unit-2 and Unit-4 at 5X800  
MW Yadadri Thermal Power Project,  
Nalagonda, Telangana**

**VOLUME-II  
PRICE BID**



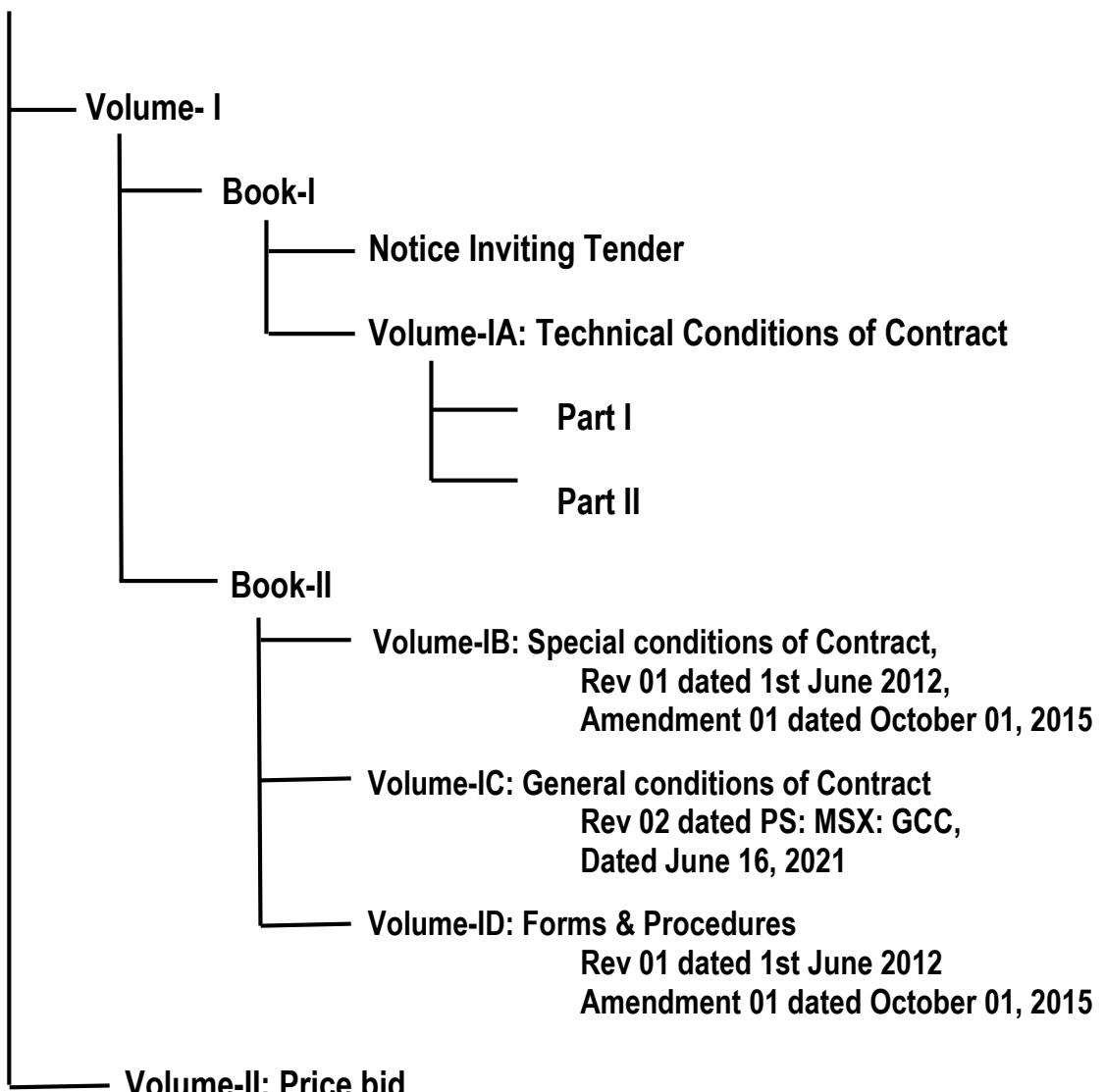
**BHARAT HEAVY ELECTRICALS LIMITED**  
(A Government of India Undertaking)  
**Tek Towers, No.11, Old Mahabalipuram Road,  
Okkiyam Thoraipakkam, Chennai - 600097.**

# PRICE BID

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TENDER SPECIFICATION CONSISTS OF

Techno-Commercial Bid



# PRICE BID

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# PRICE BID

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## **PART-A-INSTRUCTIONS TO BIDDERS:**

1. The 'Price bid contains the consolidated list of BOQ with brief description of items. The quantity indicated in the BOQ / Price bid is approximate only and is liable for variation. Payment will be as per actual quantity executed as certified by BHEL Engineer.
2. Bidders shall quote 'Total Amount' in the format enclosed as a separate Excel File in BHEL NIC e-Procurement portal for the subject tender and upload the same under 'Packet details - > Tender covers -> Finance '(Cover Type Description – Price Bid)" and same shall be taken into account for evaluation and awarding and hence, shall be complete in all respect for the full scope of work defined in specification and in accordance with terms & conditions of the tender. Any other entry elsewhere in the price bid shall be treated as Null and Void. Quoting of rates in any other form/formats will not be entertained.
3. Before filling the Rates in the Price bid, the bidder shall go through the detailed specification of all items of BOQ as well as Scope of Work as specified in relevant Clause of this document
4. The above mentioned 'Total amount' is for the entire Bill of Quantity (BOQ) given in Part -C of the Price Bid.
5. BHEL has pre-fixed the weightages for the amount of individual items of Bill of Quantity with respect to the 'Total Amount' in Part-C.
6. Based on the pre-fixed weightages, the amount for the individual items of the Bill of Quantity shall be arrived at. This amount shall be rounded off to the nearest rupee.
7. Based on the quantities of individual item and the amount arrived in SI No: 6 above, unit rate of individual items shall be derived. This unit rate shall be rounded off to four decimal places.
8. Bidders to note that this is an item rate contract. Payment shall be made for the actual quantities of work executed at the unit rate arrived at as per SI No.7 above.

**Part C : Bill of Quantities**

**Tender Specification BHEL:PSSR:SCT:1977 for Power Cycle Piping/Critical Piping/Piping in case of CCP/Nuclear PP  
at 5 X 800 MW Yadadri TPS**

Ref.No.	Description	Unit of Measurement	Qty.	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount
--	Erection, Testing and Commissioning of Power Cycle Piping and all associated Piping & Insulation works including handling at site stores / storage yard, transporting to site, inspection, pre-assembly, erection, alignment, welding, NDT, fixing of hangers & supports, chemical cleaning / pickling, oil flushing, water flushing, hydro testing & steam blowing, surface finish, supply & application of primer & finish paints and application of refractory & insulation works as per requirement / as given in the drawings including labeling & flow direction on the piping / over insulation & hangers and supports, pre-commissioning, commissioning, trial operation & handing over to customer and supply & application of final painting, etc. for Unit2 and Unit4 OF 5 X 800MW YADADRI TPS FOR TSGENCO AT VEERLAPALEM VILLAGE, DAMERACHERLA MANDAL, Nalgonda Telengana	--		
1A	P91 Piping	MT	1,592.58	.3140797
1B	HP Piping	MT	2,475.6	.3471451
1C	LP Piping	MT	703.31	.0777212
1D	SS Piping	MT	10.78	.0023352
1E	Hangers and Supports including Tanks, Vessels, Pumps, etc	MT	1,336.43	.1099283
2A	Temporary Piping for Chemical Cleaning	MT	206.48	.0149951
2B	Temporary Piping for Steam Blowing	MT	387.26	.0293877
3A	Fixing components	MT	15.4	.0012654
3B	Mineral wool	MT	1,187.34	.0746284
3C	Aluminium Sheets	MT	299.08	.0285138

**Part C : Bill of Quantities**

**Tender Specification BHEL:PSSR:SCT:1977 for Power Cycle Piping/Critical Piping/Piping in case of CCP/Nuclear PP  
at 5 X 800 MW Yadadri TPS**

Ref.No.	Description	Unit of Measurement	Qty.	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount
<b>TOTAL Weightage</b>				1.0