

# **TENDER SPECIFICATION**

## **BHEL: PSSR: SCT: 1848**

**FOR**

**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 etc. for Unit-1 (Package-A) & Unit-2 (Package-B)**

**at**

**2X660MW Ennore SEZ Supercritical Thermal Power Project  
at Ash Dyke of NCTPS, Tamilnadu**

## **VOLUME-II**

## **PRICE BID**



**BHARAT HEAVY ELECTRICALS LIMITED**

(A Government of India Undertaking)

Power Sector – Southern Region

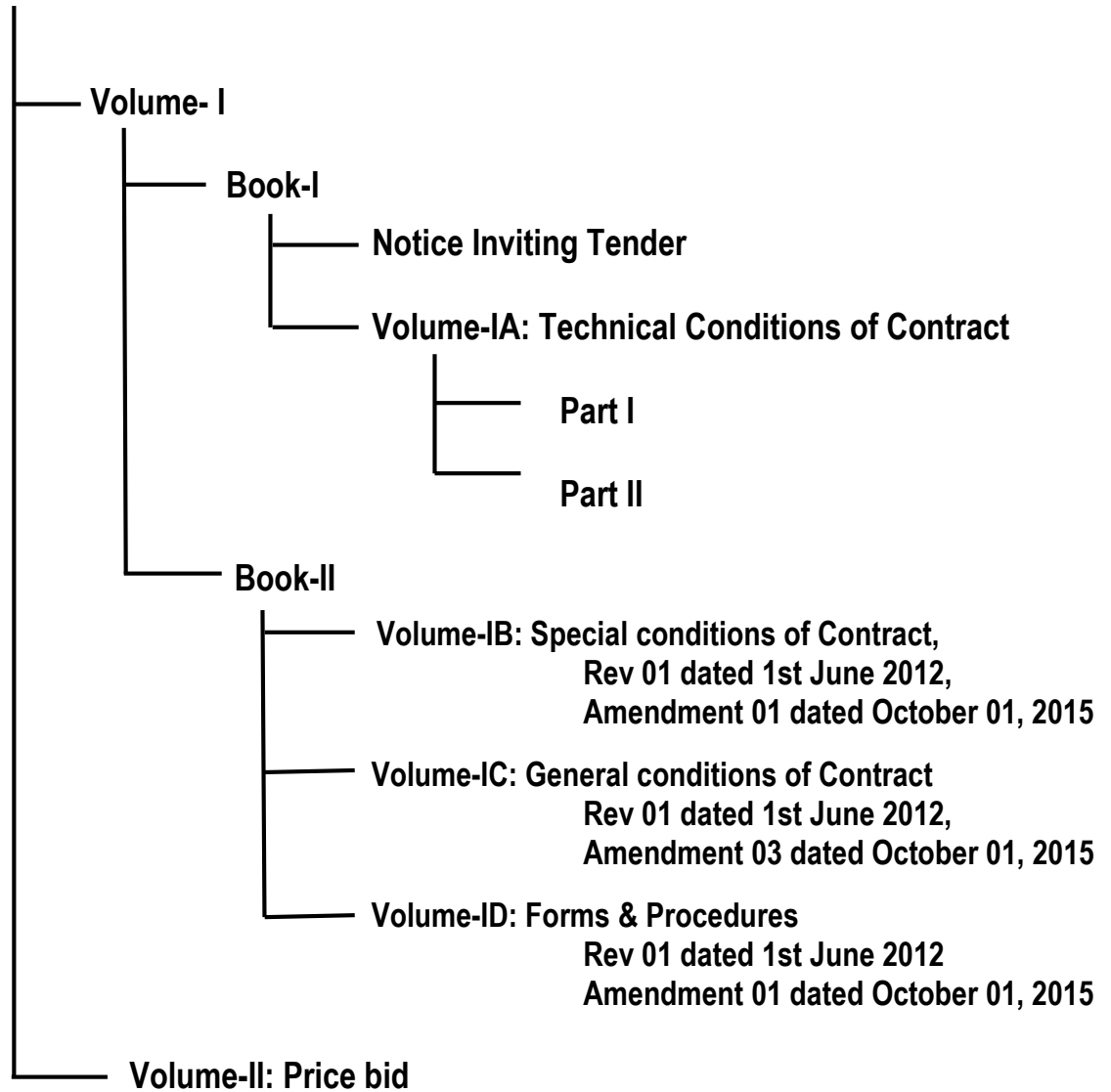
690, Anna Salai, Nandanam, Chennai – 600 035.

# 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. Bill of Quantities enclosed in Part C is for one package (Package A) only and the quantity of the second package (Package B) is the same as that of Package A.
2. The 'Total amount' mentioned in Part-B of the Price Bid corresponds to the entire Bill of Quantities (BOQ) given in Part -C of the Price Bid.
3. Bidders shall quote 'Total Amount' in the format for Price Bid available in the e-Procurement portal. Bidders may also quote 'Total Amount' in the format given in Part-B of this document (Optional). Any other entry elsewhere in the price bid shall be treated as Null and Void.
4. 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.
5. 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.
6. Based on the quantities of individual item and the amount arrived in SI No: 5 above, unit rate of individual items shall be derived. This unit rate shall be rounded off to four decimal places.
7. 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.6 above.

**Part B: Format to quote Total Amount**

**Tender Specification BHEL:PSSR:SCT:1848 for Power Cycle Piping/Critical Piping/Piping in case of CCP/Nuclear PP  
at 2 X 660 MW Ennore SEZ Supercritical Thermal Power Project at Ash Dyke of NCTPS**

**Total Amount for the entire Bill of Quantities(BOQ) given in Part C**

In Figures

In words

**Note :**

Bidders to quote Total Amount in this format given above, which shall be taken into account for evaluation and awarding and hence, shall be complete in all respect for the full scope defined in specification and in accordance with all terms & conditions of tender.

**Date**

**SIGNATURE OF BIDDER WITH SEAL**

**Part C : Bill of Quantities**

**Tender Specification BHEL:PSSR:SCT:1848 for Power Cycle Piping/Critical Piping/Piping in case of CCP/Nuclear PP  
at 2 X 660 MW Ennore SEZ Supercritical Thermal Power Project at Ash Dyke of NCTPS**

<b>Ref.No.</b>	<b>Description</b>	<b>Unit of Measurement</b>	<b>Qty.</b>	<b>Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount</b>
--	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 each package (Package-A for Unit-1 & Package-B for Unit-2) at 2X660MW Ennore SEZ Supercritical Thermal Power Project at Ash Dyke of NCTPS, Tamilnadu.	--		
1A	P91 Piping	MT	734.765	.272745
1B	HP Piping	MT	1,496.582	.375348
1C	LP Piping	MT	604.691	.1278227
1D	SS Piping	MT	13.391	.0056358
1E	Hangers and Supports including Tanks, Vessels, Pumps, etc	MT	750.053	.1121349
2A	Temporary Piping for Chemical Cleaning	MT	124.016	.0166463
2B	Temporary Piping for Steam Blowing	MT	117.152	.0159678
3A	Fixing components	MT	33.797	.0049872
3B	Mineral wool	MT	449.809	.0499941
3C	Aluminium Sheets	MT	109.306	.018718

**Part C : Bill of Quantities**

**Tender Specification BHEL:PSSR:SCT:1848 for Power Cycle Piping/Critical Piping/Piping in case of CCP/Nuclear PP  
at 2 X 660 MW Ennore SEZ Supercritical Thermal Power Project at Ash Dyke of NCTPS**

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