

**TENDER SPECIFICATION  
BHEL PSSR SCT 2029**

**For**

**Erection, Testing and Commissioning of  
Power Cycle Piping and all associated  
Piping & Insulation works, etc. for  
Package-A (Unit-1) and Package-B (Unit-2)  
of 2 X 660 MW Udangudi Supercritical  
Thermal Power Project at Tuticorin  
District, Tamil Nadu**

**VOLUME –II  
PRICE BID**



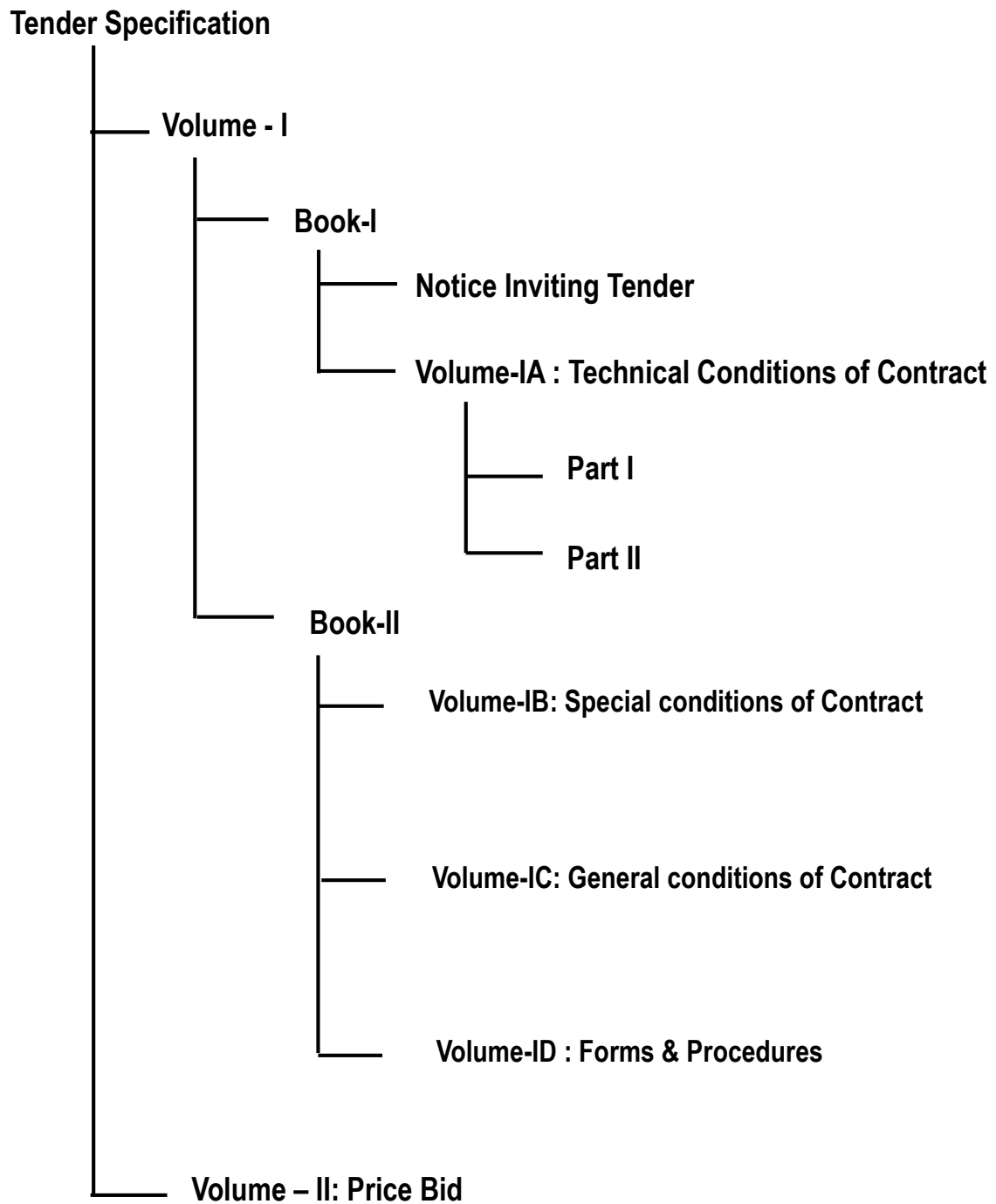
**BHARAT HEAVY ELECTRICALS LIMITED**

(A Government of India Undertaking)

Power Sector – Southern Region

Tek Towers, No. 11, Old Mahabalipuram Road,  
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**TENDER SPECIFICATION CONSISTS OF**



## PRICE BID

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| Part C:   |                       |
| (i). Bill of quantities with weightage for amount of each item w.r.t. the total quoted price for Tender specification BHEL:PSSR:SCT:2029 Package- A (Unit-1)  | 1                     |
| (ii). Bill of quantities with weightage for amount of each item w.r.t. the total quoted price for Tender specification BHEL:PSSR:SCT:2029 Package- B (Unit-2) | 1                     |

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

1. Bill of Quantities for Package-A (Unit-1) is indicated as “Part C : Bill of Quantities, Tender Specification BHEL:PSSR:SCT:2029 Pkg A (Unit-1) and Bill of Quantities for package- B (Unit-2) is indicated as “Part C : Bill of Quantities, Tender Specification BHEL:PSSR:SCT:2029 Pkg B (Unit-2)”
2. Bidders shall quote ‘Total Amount for Package- A (Unit-1)’ 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. The above mentioned ‘Total amount’ is for the entire Bill of Quantity (BOQ) for Package- A (Unit-1) given in Part -C (BHEL:PSSR:SCT:2029 Pkg A (Unit-1)) of the Price Bid.
4. The successful bidder against this quote will be awarded the contract for Package- A (Unit-1).
5. BHEL may award the contract for Package B on the same terms and conditions of tender to the next lowest bidder in the order of competitiveness (i.e., L2, L3 and so on till H1 in that order) if they match their total amount quoted with 94.37315% of the total amount as accepted by BHEL for awarded Package-A. i.e Total amount of Package B = 0.9437315 \* (Total amount of Package A)
6. However, BHEL reserves the right to not award Package-B in this manner at its sole discretion, without furnishing any reason to the bidders.
7. If BHEL goes for retendering of Package B, successful bidder for Package A will not be considered for that tender.
8. 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 of Price Bid.
9. 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.

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10. Based on the quantities of individual item and the amount arrived in Sl. No: 9 above, unit rate of individual items shall be derived. This unit rate shall be rounded off to four decimal places.
11. Bidders to note that this is an item rate contract. Payment shall be made for the actual quantities of work executed as certified by BHEL Engineer.

**Part C : Bill of Quantities**

**Tender Specification BHEL:PSSR:SCT:2029 Pkg A for Power Cycle Piping BOQ for Unit 1 of 2x660 MW Udangudi STPP  
(Pkg A)**

**at Udangudi Thermal Power Station**

| <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 and Completion of Power Cycle Piping and all associated Piping & Insulation for Unit 1 (Package A) of 2x660 MW Udangudi STPP, Tuticorin Dist, Tamil Nadu of as per the tender specification | --                         |             |   |
| 1.1                    | P91 Piping  | MT                         | 781.683     | .2824648  |
| 1.2                    | HP Piping   | MT                         | 1,389.592   | .3545157  |
| 1.3                    | LP Piping   | MT                         | 690.16      | .140626   |
| 1.4                    | SS Piping   | MT                         | 19.058      | .0076149  |
| 1.5                    | Hangers and Supports including Tanks, Vessels, Pumps, etc   | MT                         | 803.1       | .1199382  |
| 1.6                    | Temporary Piping for Chemical Cleaning  | MT                         | 124         | .0164729  |
| 1.7                    | Temporary Piping for Steam Blowing  | MT                         | 118         | .0162184  |
| 1.8                    | Mineral wool  | MT                         | 400         | .0453405  |
| 1.9                    | Fixing components   | MT                         | 37.373      | .005555   |
| 1.10                   | Aluminium Sheets  | MT                         | 65          | .0112535  |
| <b>TOTAL Weightage</b> |   |                            |             | 1.0   |

**Part C : Bill of Quantities**

**Tender Specification BHEL:PSSR:SCT:2029 Pkg B for Power Cycle Piping for Unit 2 of 2x660 MW Udangudi STPP (Pkg B)  
at Udangudi Thermal Power Station**

| <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 and Completion of Power Cycle Piping and all associated Piping & Insulation for Unit 2 (Package B) of 2x660 MW Udangudi STPP, Tuticorin Dist, Tamil Nadu of as per the tender specification | --                         |             |   |
| 1.1                    | P91 Piping  | MT                         | 781.683     | .3001862  |
| 1.2                    | HP Piping   | MT                         | 1,156.213   | .3134818  |
| 1.3                    | LP Piping   | MT                         | 696.966     | .1509225  |
| 1.4                    | SS Piping   | MT                         | 18.421      | .0078222  |
| 1.5                    | Hangers and Supports including Tanks, Vessels, Pumps, etc   | MT                         | 802.78      | .1274121  |
| 1.6                    | Temporary Piping for Chemical Cleaning  | MT                         | 124         | .0175064  |
| 1.7                    | Temporary Piping for Steam Blowing  | MT                         | 118         | .0172359  |
| 1.8                    | Mineral wool  | MT                         | 400         | .0481851  |
| 1.9                    | Fixing components   | MT                         | 33.477      | .0052881  |
| 1.10                   | Aluminium Sheets  | MT                         | 65          | .0119596  |
| <b>TOTAL Weightage</b> |   |                            |             | 1.0   |