

# **TENDER SPECIFICATION**

**BHEL: PSSR: SCT: 2046**

**FOR**

**Erection, testing, commissioning of Fire Protection System Equipments and Piping 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, surface finish, supply & application of primer & finish paints including labeling & flow direction on the piping & hangers and supports, pre-commissioning, commissioning, Assistance for Trial Operation of the Units & handing over to customer of Fire Protection System including Water Based Hydrant and Spray System, Medium Velocity Water Spray System, High Velocity Water Spray System, Foam Based System, Inert Gas System and Portable Fire Extinguisher System including Piping, Pumps & Misc Equipment, Hangers and Supports, Valves, Miscellaneous Equipment etc. for Units 1,2,3,4&5 and all other common areas**

**Of**

**5x800MW Yadadri TPS**

**At**

**Veerlapalem Village, Dameracherla Mandal,  
Nalgonda Dist, Telangana State**

**VOLUME –II**

**PRICE BID**



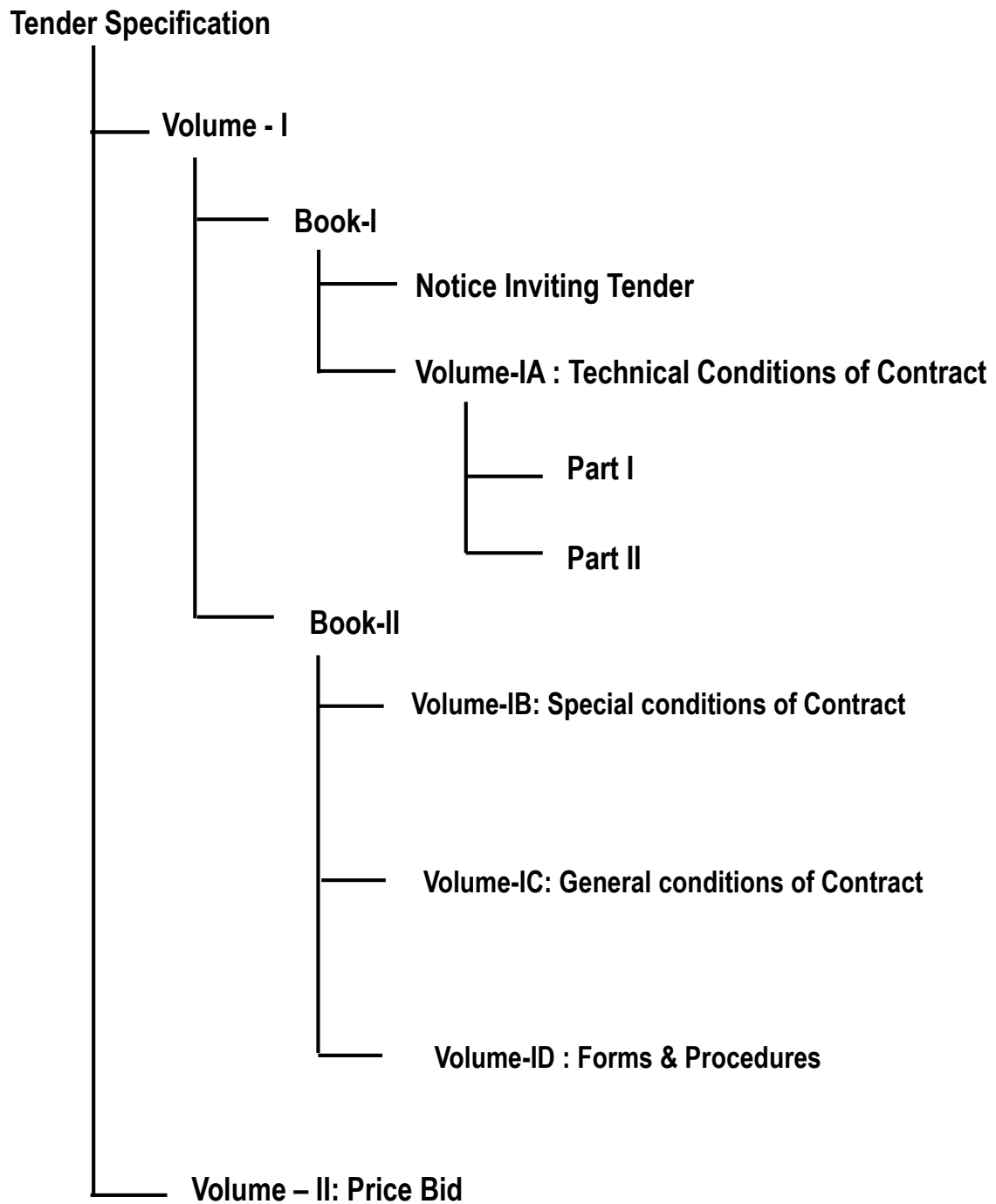
**BHARAT HEAVY ELECTRICALS LIMITED**

**(A Government of India Undertaking)**

**Power Sector – Southern Region**

**Tek Towers, No.11, Old Mahabalipuram Road,  
Okkiyam Thoraipakkam, Chennai - 600097**

**TENDER SPECIFICATION CONSISTS OF**



## PRICE BID

---

<b>CONTENTS</b>	
<b>Description</b>	<b>No. of pages</b>
Part A of Price Bid: Instructions to the Bidders	01
Part B : Format for total amount (Enclosed as a separate Excel File in BHEL NIC e-Procurement portal for the subject tender)	(Separate Excel File)
Part C: Bill of quantities with weightage for amount of each items with respect to the total quoted price	01

**PART A**

**Instruction to Bidders:**

1. The quantity indicated in the BOQ in Part C of Price Bid is approximate only and is liable for variation. Payment will be as per actual quantity executed and as certified by BHEL Engineer.
2. Tenderers are requested to affix their company seal and authorized signature in all pages.
3. 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.
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 of Price Bid.
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 Sl. 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 as certified by BHEL Engineer.
9. Bidders to also refer Terms of Payment in Chapter VII of Volume IA Part I, Technical Conditions of Contract.

**Part C : Bill of Quantities**

**Tender Specification BHEL:PSSR:SCT:2046 for Fire Protection System at 5X800 Yadadri TPP  
at 5 X 800 MW Yadadri TPS**

<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, commissioning of Fire Protection System Equipments and Piping 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, surface finish, supply & application of primer & finish paints including labeling & flow direction on the piping & hangers and supports, pre-commissioning, commissioning, trial operation & handing over to customer of Fire Protection System including Water Based Hydrant and Spray System, Medium Velocity Water Spray System, High Velocity Water Spray System, Foam Based System, Inert Gas System and Portable Fire Extinguisher System including Piping, Pumps & Misc Equipments, Hangers and Supports, Valves, Miscellaneous Equipment etc. for Unit -1 to Unit-5 and all other common areas Of 5x800MW Yadadri TPS at VEERLAPALEM VILLAGE, DAMERACHERLA MANDAL, NALGONDA DIST, TELANGANA STATE	--		
1A	Stainless Steel Piping (SS)	MT	2	.0012889
1B	Buried Piping (CS) Piping Under Ground with Wrapping and Coating CS (UG)	MT	1,889	.3119174
1C	Carbon Steel Piping Over Ground CS (OG)	MT	824	.2334857
1D	Galvanized Iron Piping (GI)	MT	734	.3861816
2.0	Hangers and Supports, Miscellaneous Items, (H&S)	MT	539	.0671264
<b>TOTAL Weightage</b>				1.0