

**TENDER SPECIFICATION  
BHEL PSSR SCT 2099**

**FOR**

**Erection, Testing and Commissioning of FGD Mechanical Package, along with Deployment of Material Handling agency for handing the Unit Material, Completion of Balance Works of TP-09 Lift and deployment of Electrical Supervisor for maintenance of LT Power at Site in Unit-12 of KOTHAGUDEM STAGE-VII, 1 x 800 MW**

**PRICE BID**

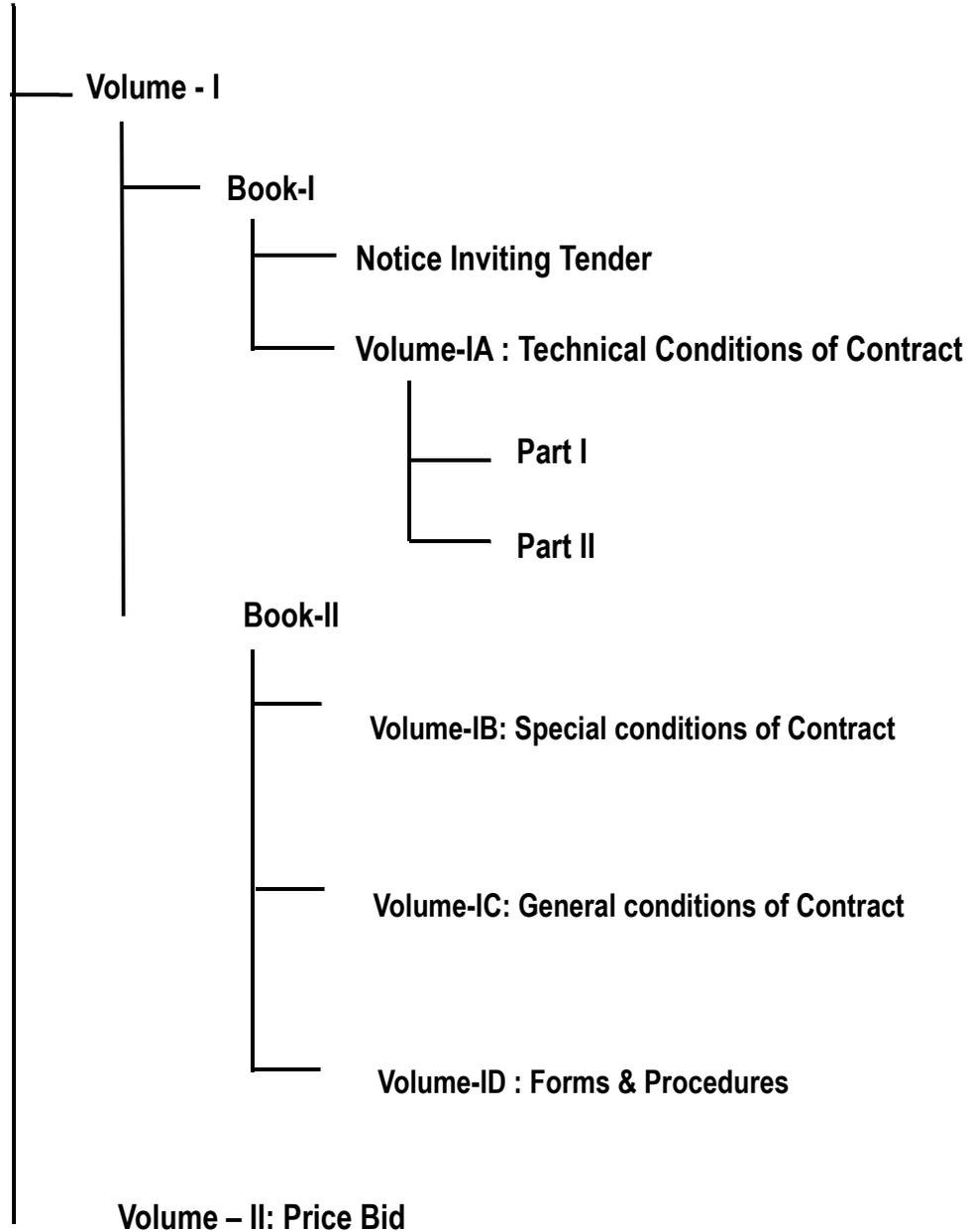
**VOLUME –II**



**BHARAT HEAVY ELECTRICALS LIMITED**  
(A Government of India Undertaking)  
Power Sector – Southern Region  
BHEL Integrated Office Complex, TNEB Road  
Pallikaranai, Chennai -600100

**TENDER SPECIFICATION CONSISTS OF**

Tender Specification



## PRICE BID

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## PRICE BID

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### **PART A**

#### **Instruction to Bidders:**

1. The quantity indicated in the BOQ / Price bid (Part C) is approximate only and is liable for variation. Payment will be as per actual quantity executed 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.
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:00004 for Erection, testing, commissioning, trial run and handing over of the FGD system (Mechanical), along with completion of the balance works of TP09, deputation of certified personals for maintaining construction power and material handling jobs of KTPS FGD at Kothagudem FGD 1X 800 MW.**

**at Kothagudem Stage VII Unit 12, 1 X 800 MW**

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
1.0	Erection, testing, commissioning, trial run and handing over of the FGD system (Mechanical) as per the tender specifications. This FGD system consists of mainly E & C of Ducts (Tap off from Existing Flue gas duct, Duct from Absorber to Chimney inlet & Duct inside chimney till flue can connection), Absorber tower along with oxidation blowers, Gas Gas Heater (GGH), Booster fans, Lime stone grinding and slurry preparation system consist of Wet ball mills, Lime stone silos, Slurry pumps, Gypsum dewatering system, Various Tanks and associated piping and also other auxiliaries i.e. Fire protection system, Equipment cooling water system (ACW and ECW pumps), fabrication and erection of Tanks of various sizes, removal & application of insulation, etc. & Painting of the FGD equipment at Kothagudem FGD 1X 800 MW	0.0		
1.1	Structure	MT	2,686.88	.3563435
1.2	Non Pressure Parts/Ducts/Dampers	MT	906.37	.1249387
1.3	Rotating Components/Machines	MT	2,212.15	.2425427
1.4	Fabrication and Erection of the Tanks from the Structural Materials (Plates, Structural Components) and Hydro Cyclones and Other Miscellaneous items	MT	421	.0926497
1.5	Mineral Wool	MT	105.05	.0177681
1.6	Fixing Components	MT	132.62	.0303176
1.7	Aluminium Sheet & Sealing Compound	MT	36.7	.0083099
1.8	CS Piping	MT	146.99	.064015
1.9	SS Piping	MT	8	.001906

**Part C : Bill of Quantities**

**Tender Specification BHEL:PSSR:SCT:00004 for Erection, testing, commissioning, trial run and handing over of the FGD system (Mechanical), along with completion of the balance works of TP09, deputation of certified personals for maintaining construction power and material handling jobs of KTPS FGD at Kothagudem FGD 1X 800 MW.**

**at Kothagudem Stage VII Unit 12, 1 X 800 MW**

<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>
2.1	Work-Material Handling of Flue Gas Desulphurization System (FGD), Components of Steel Supplies Like TMT Bars, Plate Materials/Structural steel/reinforcement steel/Tool and Plants and Equipments, Electrical Components etc. miscellaneous items etc by arranging manpower and suitable TnP required for the job at 1X800 MW Kothagudem	MT	8,000	.0295103
3.1	Monthly rate for maintaining the Construction power supply by deploying C-Grade SUpervisor	Per Month	15	.0033662
3.2	Monthly rate for maintaining the Construction power supply by deploying electrician/shift	Per Month	30	.0042077
4.0	Erection, alignment, welding, supply and application of painting of the prefabricated structural works at TP -9 at 1x800MW TPS, Kothagudem which include transportation of the fabricated structures from the fabrication yard to the site of erection.	LS	1	.0241244
<b>TOTAL Weightage</b>				<b>1.0</b>