

TENDER SPECIFICATION

BHEL/PSSR/USTPP/SCT&P/SCT/249

for

**Part works of Illumination of CHP and AHP area for
Unit 1 & 2 at 2X660 MW Udangudi Supercritical Thermal
Power Project, Kallamozhi, Tiruchendur Taluk,
Tuticorin District, Tamil Nadu**

**VOLUME –II
PRICE BID**



BHARAT HEAVY ELECTRICALS LIMITED

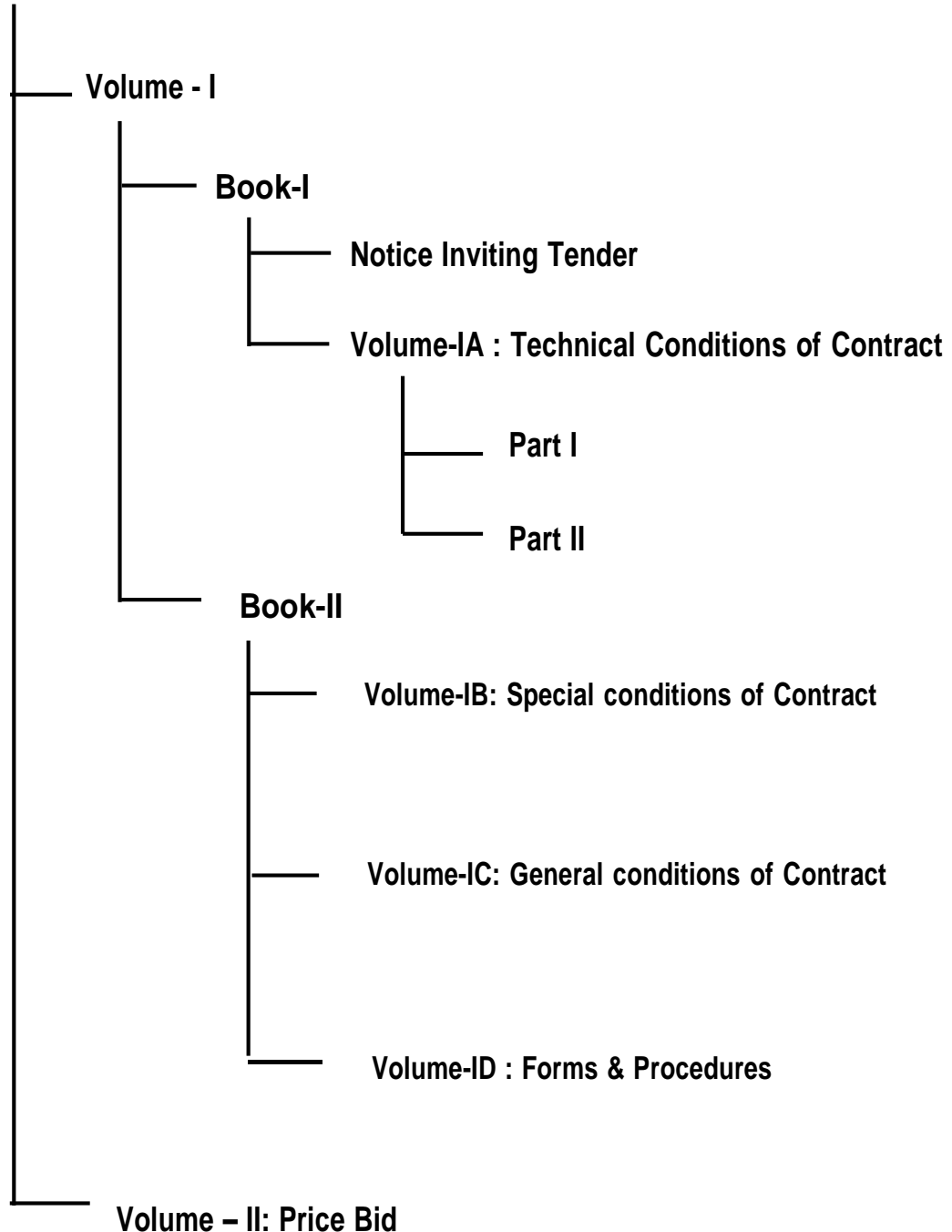
(A Government of India Undertaking)

Power Sector – Southern Region

BHEL site office, 2X660 MW Udangudi STPP,
Kallamozhi, Tiruchendur-628206

TENDER SPECIFICATION CONSISTS OF

Tender Specification



PRICE BID

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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 and password protect it. The 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. Password for the file shall be furnished by the bidder through email to BHEL on price bid opening date.
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.

Part C : Bill of Quantities

**Tender Specification BHEL/PSSR/USTPP/SCT&P/SCT/249 for
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Sl.No.	Description	Unit	QTY	Weightage for amount of each item(Nearest to the 7 decimal points) w.r.t.to the total amount
1	LIGHTING FIXTURES			
1.1	40W LED 40W INDUSTRIAL TYPE LED LIGHT- FC06	Nos.	821	0.0046242
1.2	40W LED DECORATIVE RECESSED TYPE LED LIGHT- FC30	Nos.	225	0.0005780
1.5	100W LED MEDIUM BAY LIGHT LIGHT- SB11	Nos.	547	0.0215024
1.7	120W LED STREET LIGHT- SS62	Nos.	463	0.0041618
1.8	45W LED WELL GLASS LIGHT- SW41	Nos.	1671	0.0880037
1.9	70W LED WELL GLASS LIGHT- SW42	Nos.	358	0.0093928
1.10	14W LED RECESSED LIGHT_FC33 - 220V AC/ DC	Nos.	33	0.0001156
1.11	14W LED BULKHEAD LIGHT_FC34 -220V AC/DC	Nos.	231	0.0090171
1.12	45W FLAME PROOF WELLGLASS- MW96	Nos.	82	0.0080923
2	POINT WIRING WITH CONDUIT & WIRES:			
2.1	20 MM DIA. G.I. CONDUIT	Mtrs.	40000	0.4064212
2.2	25 MM DIA. G.I. CONDUIT	Mtrs.	6000	0.0339588
2.3	20 MM DIA. EPOXY COATED CONDUIT	Mtrs.	500	0.0039739
2.4	2.5 SQ.MM, COPPER, FLEXIBLE LIGHTING WIRE	Mtrs.	109800	0.1083790
2.5	4.0 SQ.MM, COPPER, FLEXIBLE LIGHTING WIRE	Mtrs.	27120	0.0293924
2.6	20 MM PVC COATED GI FLEXIBLE CONDUIT	Mtrs.	4853	0.0210342

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Sl.No.	Description	Unit	QTY	Weightage for amount of each item(Nearest to the 7 decimal points) w.r.t.to the total amount
3	SWITCHBOARDS, JUNCTION BOXES & RECEPTACLES			
3.1	JUNCTION BOXES FOR LIGHTING FIXTURES	Nos.	4388	0.0604755
3.2	MODULAR TYPE SWITCHBOARDS TYPE- SWB 1	Nos.	58	0.0876425
3.5	10/20A MODULAR RECEPTACLE TYPE- RA	Nos.	66	0.0002890
3.6	20A INDUSTRIAL RECEPTACLE TYPE- RB	Nos.	179	0.0034681
3.7	20A INDUSTRIAL FLAMEPROOF RECEPTACLE	Nos.	3	0.0000723
5	LIGHTING PANELS			
5.4	AC NORMAL OUTDOOR LP18-C WITH TIMER	Nos.	18	0.0028901
5.5	AC NORMAL INDOOR LP12-A WITH TIMER	Nos.	11	0.0007225
5.6	AC NORMAL OUTDOOR LP12-B WITH TIMER	Nos.	23	0.0039739
5.7	DC INDOOR LIGHTING PANEL LPD6-A	Nos.	9	0.0003613
5.8	DC OUTDOOR LIGHTING PANEL LPD6-B	Nos.	11	0.0018063
8	PORTABLE EMERGENCY LIGHTING UNIT	Nos.	10	0.0000578
14	Cables			
14.4	3.5Cx 70 sqmm Al Cable	Mtrs.	2100	0.0057802

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Sl.No.	Description	Unit	QTY	Weightage for amount of each item(Nearest to the 7 decimal points) w.r.t.to the total amount
14.6	3.5Cx 25 sqmm Al Cable	Mtrs.	25500	0.0708076
14.7	2Cx 16 sqmm Al Cable	Mtrs.	5000	0.0130055
	TOTAL			1.0000000