

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



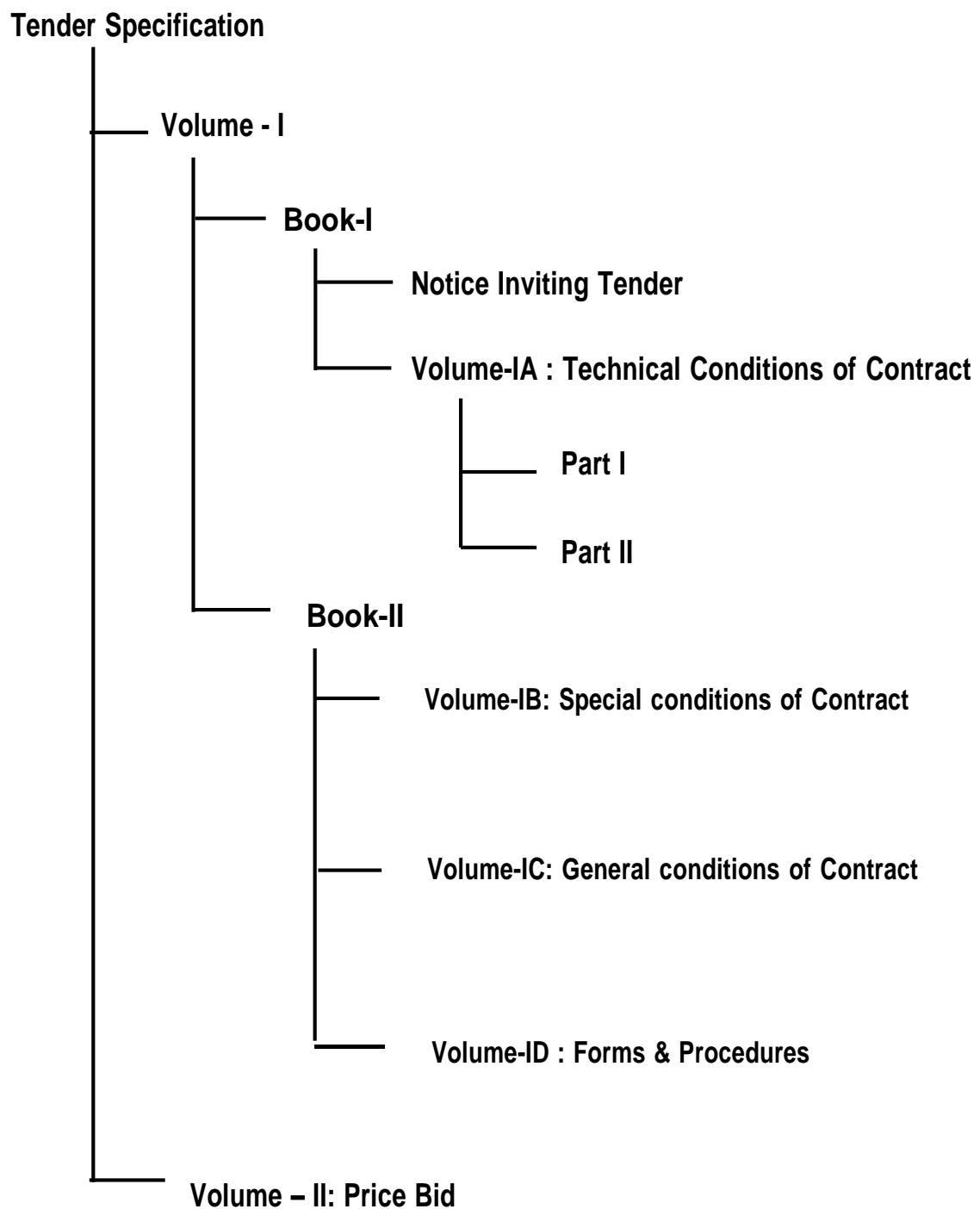
BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

Power Sector – Southern Region

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

TENDER SPECIFICATION CONSISTS OF



PRICE BID

| CONTENTS | |
|---|-----------------------|
| Description | No. of pages |
| Part A of Price Bid: Instructions to the Bidders | 01 |
| Part B : Format for total amount (Enclosed as a separate Excel File) | (Separate Excel File) |
| Part C: Bill of quantities with weightage for amount of each items with respect to the total quoted price | 03 |

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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Tiruchendur Taluk, Tutticorin District, Tamil Nadu**

| 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 REECEPTACLE TYPE- RA | Nos. | 66 | 0.0002890 |
| 3.6 | 20A INDUSTRIAL REECEPTACLE TYPE- RB | Nos. | 179 | 0.0034681 |
| 3.7 | 20A INDUSTRIAL FLAMEPROOF REECEPTACLE | 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 |