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TENDER DOCUMENTS		

Tender Notice No	97972023363, Dt: 03.01.2024
Name of work	Dismantling, Erection, Testing and Commissioning for the Modification of Air Pre Heater Single sealing arrangement with Double sealing arrangement in Unit-X (1x250MW) of KTPS-V Stage, at TSGENCO, Kothagudem, Telangana, using contractor's own tools and plants, cranes , consumables, manpower etc.
Type of tender	Open Tender (Two part bid)
Period of contract (ref Cl.26 in Page 7)	The Work period is 90 Days (Pre-shutdown activates 15 days + shut down activates 45 days + post shut down activities 30 days) from the date of site clearance by BHEL.
Earnest Money Deposit (EMD) Amount	Rs. 2,73,500 /- (Rupees Two Lakhs Seventy-Three Thousand Five Hundred only)
Tender download start date	03-01-2024
Last date & Time for Receipt of the Tender	24-01-2024 at 12.00 Hrs.
Date of Technical bid Opening	24-01-2024 at 16.00 Hrs. onwards
<i>(Please obtain updated information from the BHEL website about the latest applicable dates & other changes if any in the tender contents)</i>	
Date of Price Bid Opening	Bidders whose technical bids are found acceptable will be intimated separately about the status of their offers and the date of opening of Price Bid.
Submission of Tender	Online submission through BHEL eProcurement Portal website: https://eprocurebhel.co.in/nicgep/app
Tender Opening	Online through e-Procurement Portal

Note:

1. The Tender documents can be down loaded from BHEL eProcurement Portal website: <https://eprocurebhel.co.in/nicgep/app> and also BHEL website (<https://www.bhel.com/> tenders).
2. BHEL, Ranipet reserves the right to accept or reject any or all tenders without assigning any reasons whatsoever.
3. All corrigenda, addenda, amendments, clarifications etc. to tender specification will be hosted in the web pages (<https://eprocurebhel.co.in/nicgep/app>) only.
4. **Bidders shall keep themselves updated with all such developments.**
5. BHEL Ranipet reserves the right to reject any tender on the basis of unsatisfactory performance of the bidder in any ongoing job or any similar job in the past.
6. **BHEL will finalize the contract through Reverse Auction.**
7. **Contract will be awarded to single party only.**

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SPECIAL INSTRUCTIONS TO BIDDERS

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1. This Booklet consists of the scope and bill of quantities of the entire work etc.
2. The Bidders are requested to go through the instructions contained in the documents attached and quote in the Rate Schedule attached.
3. The Bidders are advised to go through the General conditions of contract, Special conditions of contract, Tender specifications and all parts of this tender document and fully understand the scope of work before quoting. Any doubt in the documents should be got clarified from Erection Services Department of BHEL, Ranipet before submitting their offer.
4. Bidders shall note that all consumables, tools & tackles and **all the required Cranes**, are to be provided by the contractor.
5. **No advance payment towards mobilization of site operation** or for any other purpose will be made by BHEL. The payment for work will be made strictly as per payment terms in the tender specification.
6. **The Tender Documents should be submitted duly signed and stamped in all the pages** of the Tender Specification, General conditions of contract, special conditions of contract, Annexure etc. by the Bidder.
7. The bidders shall submit the duly filled up **Formats** given in this tender document, along with the offer.
8. Time is the essence of the contract and all the resources required for completion of the work shall be arranged by the contractor with in the stipulated time period for avoiding any penalties.
9. BHEL is not bound to accept the lowest or any bid and will have the right to reject any or all the bids without assigning any reason whatsoever. It is to be noted that a two-part evaluation system will be used for this tender. Please read the relevant portions of the tender / NIT. Hence, it is essential that the bidder submit a comprehensive technical proposal in their bid.
10. Approval, if any, required from statutory authorities like Labour Commissioner, should be obtained by the bidder at his own cost and risk.
11. The bidder should mobilize maximum labour force from the local area of work.
12. These Tender Documents are not transferable.
13. Offer of the Bidder with all the required documents should be submitted so as to reach the specified addressee as per schedule given in the notice-inviting tender.
14. **ADDRESS FOR COMMUNICATION AND CLARIFICATION.**

<p align="center"> THE ADDITIONAL GENERAL MANAGER, ERECTION SERVICES DEPARTMENT, BHARAT HEAVY ELECTRICALS LIMITED, BOILER AUXILIARIES PLANT, RANIPET – 632 406. Phone No.:04172 - 241171 / 284973 E- mail : plramana@bhel.in </p>
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NOTICE INVITING TENDER

Online offers in TWO PARTS are invited from experienced bidders meeting the requisite Qualifying Requirements (QR) for the work mentioned below. Points relevant to the tender are mentioned below and are to be complied with

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1. **NAME OF THE WORK:** Dismantling, Erection, Testing and Commissioning for the Modification of Air Pre Heater (Size 27.5 VIMT 2000) Single sealing arrangement with Double sealing arrangement in Unit-X (1x250MW) of KTPS-V Stage, at TSGENCO, Kothagudem, Telangana, using contractor's own tools and plants, cranes, consumables, manpower etc.
2. **EARNEST MONEY DEPOSIT (EMD):** Total EMD is **Rs. 2,73,500 /-** (Rupees Two Lakhs Seventy-Three Thousand Five Hundred only) Every tender must be accompanied by the prescribed amount of earnest money deposit).
3. **Mode of payment** of Earnest money deposit (EMD).
 - 3.1.1 **Electronic Fund Transfer** credited in BHEL account No.10664849171 SBI-Mukundarayapuram, IFSC Code: **SBIN0007013** (before Technical-Bid of tender opening)
 - 3.1.2 Banker's Cheque/Pay Order/ **DEMAND DRAFT** drawn in favor of M/s BHARAT HEAVY ELECTRICALS LIMITED payable at RANIPET.
- 3.2 **An offer / bid that is not accompanied by the requisite EMD amount is liable to be summarily rejected.**
- 3.3 **MSME/NSIC registered parties are also required to submit the EMD for the full value and no exemption is applicable.**


4 TENDER SCHEDULE:


a.	SALE OF TENDER SPECIFICATION DOCUMENTS	03-01-2024
b.	PRE- BID MEETING	Not Applicable
c.	DUE DATE AND TIME FOR SUBMISSION OF OFFER	24-01-2024 at 12.00 Hrs.
d.	DATE & TIME OF OPENING OF TECHNICAL BID	24-01-2024 at 16.00 Hrs.


Note: **Please obtain updated information from the BHEL website about the latest applicable dates.**

- 5 PRE BID MEETING: Not Applicable
- 6 **OPENING OF TENDER:** Technical bids will be opened online on the mentioned date. In case the opening of the tender is, a non-working day then the opening will be taken place on the next working day.
- 7 Tender specification documents with complete details are hosted in e-procurement portal(NIC), BHEL web page (www.bhel.com). Bidders can directly download the same and use for submission of online offers.

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<p>8 Interested bidders may alternately collect hard copy of tender specification documents from Erection Services Department / BHEL / Ranipet on all working days (between 10.00 to 17:00 hrs) within the sale period.</p> <p>9 BHEL will not take any responsibility for delay/loss of documents or correspondence sent by courier/post.</p> <p>10 Acceptance of any bid shall be subjected to the approval by BHEL’s Customer.</p> <p>11 BHEL reserves the right to accept or reject any or all the bids without assigning any reasons whatsoever.</p> <p>12 All corrigenda, addenda, amendments, clarifications etc. to tender specification will be hosted in the NIC Portal (https://eprocurebhel.co.in/nicgep/app) only and not in the newspapers. Bidders shall keep themselves updated with all such developments.</p> <p>13 BHEL reserves the right to reject any offer on the basis of unsatisfactory performance of the bidder in any ongoing job or any similar job in the past.</p> <p>14 QUALIFYING REQUIREMENTS (QR): The Bidder must satisfy the following Qualification Criteria for participating in the Tender.</p> <p>14.1 The average financial turnover of the company during the last 3 years, ending 31st of March 2023, should be at least of Rs. 41.03 Lakhs. Audited balance sheet and profit & loss account of the company for the last three financial years (FY) ending on 31/03//2023 duly certified by chartered accountant /auditor should be submitted</p> <p style="text-align: center;">AND</p> <p>14.2 Experience of having successfully completed either of the following similar works during last 7 years ending December -2023.</p> <p>a) One similar completed work each costing not less than the amount equal to Rs: 109.40 Lakhs (OR)</p> <p>b) Two similar completed works each costing not less than the amount equal to Rs: 68.38 Lakhs (OR)</p> <p>c) Three similar completed works each costing not less than the amount equal to Rs:54.70 Lakhs</p> <p>14.3 Definition of Similar work: Erection/Retrofitting / Revamping / Renovation / Modification / Modernisation (R&M) of Rotary Air Pre- heaters in any power plants / CPP/ Industries of Minimum 120 MW or above rating coal/lignite fired boilers.</p> <p>14.4 A bidder must satisfy all the qualifying requirements enumerated as in (14.1) and (14.2) above concurrently in order to qualify to participate in this tender</p> <p>15. Supporting documents for QR:</p> <p>Bidder shall submit documents in support of possessing qualifying requirements as under, duly self-certified and stamped by the authorized signatory.</p> <p>(i) List of jobs done with the name of the project, Owner of the project, Name of the customer, Work order reference No and date, brief details of jobs, executed value, date of start, date of completion.</p> <p>(ii) Certified Photocopies of work orders issued by the Customer containing details of bill of quantities/schedule of rates and certificates for proof of satisfactory completion of work.</p> <p>(iii) Certified Photocopies of Audited profit and loss account accompanied by relevant schedules for turnover figures.</p>		


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<p>16 Seeking clarification on Tender Specification: Clarifications, if any shall be sought through written communication only, indicating the specific clauses in the Tender Document, so as to reach the specified office at least seven days before the last date for bid submission.</p> <p>17 BHEL shall not be responsible for Receipt of queries after the due date for seeking of clarification due to postal delay. Any clarification / query received after the last date for seeking the same may not be normally entertained by BHEL and no time extension will be given.</p> <p>18 BHEL may decide holding pre-bid meeting (PBM) with any /all intending bidders. On such communication from BHEL, the bidder shall ensure participation in the same at the appointed time, date and place as may be decided by BHEL. Bidders are advised to visit the site and completely familiarize themselves with the site conditions.</p> <p>19 All the information as called for in the various clauses and annexure of tender specification should be furnished. Please refer to the checklist. The details so furnished shall be complete in all respects and as per the formats prescribed in the Tender specification (Forms and Formats). The bidder may have to produce original documents for verification, if so desired by BHEL.</p> <p>20 Offers received with any deviation or without relevant information are liable to be rejected.</p> <p>21 Price bids received in any form other than prescribed in Part-II (PRICE BID) are liable to be rejected</p> <p>22 VALIDITY OF OFFER: The validity of the offer shall be 180 days from the date of bid opening (including extensions, if any). No unsolicited revision in the tender offer shall be entertained after opening of tenders and till expiry of the validity period.</p> <p>23 LIQUIDATED DAMAGES (LD): Time is the essence of the contract. The contractor has to complete the scope of work within the contract period. If the Contract-period gets extended due to reasons solely attributable to the contractor, then the "Liquidated Damages" at the rate of 0.5 % of the total contract value per week of delay and part thereof subject to a ceiling of 5% of contract value shall be levied, unless otherwise specifically waived-off.</p> <p>24 Reverse Action (RA): BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) for this tender. RA shall be conducted among all the techno-commercially qualified bidders. Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders in RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their online price bid along with applicable loading, if any, shall be considered for ranking</p> <p>25 BID EVALUATION: The offer submitted by bidders who meet the requisite Qualifying Requirements will be evaluated in two stages, namely Technical Bid Evaluation and Price Bid Evaluation. The bids which meet the qualifying requirements, will only be further considered for Price Bid Evaluation</p> <p>26 OPENING OF PRICE-BID: Bidders whose technical bids are found acceptable to BHEL shall be intimated separately about the status of their offers. Date of price bid opening shall be intimated to the qualified bidders only.</p> <p>27 PRICE BID EVALUATION CRITERIA: The successful bid shall be based only on the total quoted value for the entire scope of work, in the online "Price bid" or "Reverse Auction (RA)" as applicable.</p> <p>28 The offers of the bidders who are on the banned list as also the offer of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site "www.bhel.com".</p> <p>29 EPF registration: Bidders should furnish the EPF code and registration details along with the bid. Bidders who have not registered and do not possess EPF code, if awarded the work, should immediately register and obtain the code.</p>		

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<p>30 ORDER OF PRECEDENCE: In the event of any ambiguity or conflict between the clauses / statements in Tender Documents, the order of precedence shall be in the order below.</p> <ol style="list-style-type: none"> a. Amendments / clarifications / corrigenda / errata etc. issued. b. Notice Inviting Tender (NIT) c. Price Bid. d. Technical Conditions of Contract e. Special Conditions of Contract. f. General Conditions of Contract g. Forms & Procedures <p>31 In the event of any conflict between requirements of a clause/s of this specification /documents/drawings/data sheets etc. and different standards / codes specified, the same is to be brought to the notice of BHEL before submission of offer; else, BHEL's interpretation shall prevail.</p> <p>32 Typographical error/missing pages/other errors in the tender documents noticed, must be brought to the knowledge of BHEL in writing before submission of offer, else BHEL's interpretation shall prevail</p> <p>33 Multiple Bids: The bidder in his own interest shall submit only one bid. If a bidder submits multiple bids, all the bids are liable for rejection. Bids shall be considered "Multiple" in the following circumstances:</p> <ol style="list-style-type: none"> a. Two bids by the same party. If one bidder is the Affiliate of another bidder. For the purpose of this clause "Affiliate" shall mean with respect to any Person, any other Person that, directly or indirectly, controls, is controlled by, or is under direct or indirect common control with, such Person, or is a director/ member / officer/ employee of such Person or of any Person who would otherwise qualify as an Affiliate of such Person pursuant to this definition; "Person" for the purposes of this definition shall mean any natural person, individual, corporation, limited partnership, co-operative, general partnership, joint stock company, joint venture, association, company, trust, bank, trust company, land trust, business trust, corporate body or other organization, whether or not a legal entity." <p>34 SET OFF Clause: "BHEL shall have the right to recover any money which in the sole opinion of BHEL is due from the Contractor from any money due to the Contractor under this Contract or any other contract or from.</p> <p>35 Offer submitted in response to this NIT confirms your unqualified, unconditional acceptance of all Terms & Conditions of this NIT and its annexures. Any conditional / incomplete /unsigned bid shall be regarded as non-responsive and would be liable to be rejected.</p> <p>36 BHEL reserves the right to assess Bidder's Capacity and Capability.</p> <p>37 Overwriting or erasures should be avoided. if however, they exist they must be invariably attested.</p> <p>38 Cost of bid preparation along with supporting documents as called for and submission of the same is to bidders account.</p> <p>39 In case if the contractors working in the same project site, while quoting for this tender shall provide separate set of Tools & Tackles, Man Power etc and shall not mix with the facilities already available in the other contract.</p> <p style="text-align: center;">*****</p>		

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Registration & GST Rate

1. Bidder should indicate GSTIN No. (Copy of GST registration to be enclosed) and PAN No. (copy of PAN to be enclosed).
2. Bidders to ensure correct applicability of Central Tax/ State Tax/ Integrated Tax/ Union Territory tax based on the Inter / Intra state movement Supply of goods and provision services or both.
3. **Invoicing & Payment:** The Tax Invoice for supply of Services should be raised as per the provision of GST Act & Rules and must compulsorily mention the following: -
 - a. HSN Code or Service Accounting Code for supply of goods or services.
 - b. Name & address of supplier
 - c. GSTIN of Supplier
 - d. Consecutive Serial No. & date of issue
 - e. Description of goods or services
 - f. Total value of supply
 - g. Taxable value of supply
 - h. x Rate – Central Tax & State Tax or Integrated Tax,
 - i. Amount of Tax charged
 - j. Place of supply
 - k. Address of delivery if different from place of supply
 - l. Signature of authorized signatory
4. **Reimbursement of GST:** It is contingent upon complying with the following condition by the service provider: -
 - i. Uploading the onward GST Return (GSTR-1) in GSTN Network portal within the statutory time period.
 - ii. Discharging the GST tax liability to the Government.
 - iii. Submission of Tax Invoice to BHEL.
 - iv. Submission of proof of payment of GST to BHEL along with each bill is required for timely processing & payment.
5. **Input Tax Credit:** In case GST credit is delayed/ denied to BHEL, due to non/delayed receipt of goods and/or services and/or tax invoice or expiry of timeline prescribed in GST Law for availing such ITC, or any other reason not attributable to BHEL, GST amount shall be recoverable from Vendor along with interest & penalty levied/ leviable.
6. In case vendor delays declaring such invoice in his return and GST credit availed by BHEL is denied or reversed subsequently as per GST law, GST amount paid by BHEL towards such ITC reversal as per GST law shall be recoverable from vendor/contractor along with interest & penalty levied/ leviable on BHEL.
7. In case of discrepancy in the data uploaded by supplier in the GSTN portal or in case of any incomplete work/service, then BHEL will not be able to avail the tax credit and will notify the supplier of the same. Supplier has to rectify the data discrepancy in the GSTN portal or issue credit note (details to be uploaded in GSTN portal).

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8. For any such delay in availing of tax credit for reasons attributable to vendor (as mentioned above), interest as per the GST Act & Rules, along with penalty, if any will be deducted for the delayed period i.e. from the month of receipt till the month tax credit is availed, from the running bills.
9. **Penalty for Non-compliance of GST Act.** Penalty amount so determined along with GST if applicable thereon shall be recovered from the contractor.
10. **Anti-profiteering Measure:** Any reduction in rate of Tax on any supply of goods or services or the benefit of input tax credit shall be passed on to the recipient by way of commensurate reduction in prices.
11. **Other Provision:** The agency should quote the applicable taxes and duties in the technical bid (Part-I) as well as in price bid (part-II).
12. All the terms & conditions of the contract with respect to Taxes & Duties are subject to the new taxation laws introduced from time to time (e.g., GST). The terms & conditions will be modified in accordance with the provisions of new laws (e.g., GST).
13. The Prices quoted above must be inclusive of all taxes and duties and exclusive of GST, which will be payable extra as per applicable rules and subject to Submission of documentary evidence.
14. In case any changes in taxes and duties as per Gov. Notification (including GST), the same shall be applicable from time to time.

The following details to be furnished by the bidder:

Sl. No	Details	To be filled by the bidder
1	GSTIN No. (Copy to be enclosed)	
2	PAN No (Copy to be enclosed)	
3	HSN Code & SAC Code (Copy to be enclosed)	


The bidder has to submit this document along with their offer after duly signed & sealed by the authorized person.

SIGNATURE OF THE CONTRACTOR

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PROCEDURE FOR SUBMISSION OF TENDERS:

1. The tenderer must submit their tender in two parts namely price bid and technical bid. For technical bid submission, the vendor has to down load the tender documents from NIC portal, sign in all pages and scan and upload in pdf format in the NIC portal along with all required PQR supporting documents. For price bid submission, the vendor has to quote their lumpsum price at the specified column in the online price bid format (xls. file).

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TENDER SPEC. No : 97972023363

PROJECT INFORMATION

- | | |
|----------------------------|---|
| 1. Purchaser and Owner | : Telangana Power Generation Corporation Limited (TSGENCO) |
| 2. Location | : Kothagudem Thermal Power Station Stage V Palwancha, (V&M) Khammam Dist.– 507115 |
| 3. Bus Stations | : Kothagudem-Vp, Kothagudem |
| 4. Nearest Railway station | : Kothagudem |

Before submitting his/her/their offer, the bidder has to get thoroughly acquainted with the site conditions with reference to Operating procedures inside the plant, security rules for access and movements, HSE rules prevailing in the plant, site interference problems, movement of cranes / derricks etc. in the store yard / work site during material handling, erection, storage facilities available, constraints on access and movements, etc. No compensation or revision of rates will be entertained at a later date for not having proper knowledge of the site conditions.

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TENDER SPECIFICATION

1. SCOPE OF WORK: Dismantling, Erection, Testing and Commissioning for the Modification of Air Pre Heater (Size 27.5 VIMT 2000) Single sealing arrangement with Double sealing arrangement in Unit-X (1x250MW) of KTPS-V Stage, at TSGENCO, Kothagudem, Telangana, using contractor's own tools and plants, cranes, consumables, manpower etc. The detailed scope of work is further enumerated herein under and in the SPECIAL CONDITIONS OF CONTRACT.


A) DISMANTLING WORKS: Dismantling of existing Single sealing APH components and transporting of all dismantled materials/ scrap to TSGENCO/KTPS scrap yard (located within the KTPS plant boundary). The following major parts are involved

- i) Cutting and removal of Rotor diaphragm plates, gratings, Rotor angles & heating elements with baskets, radial & axial seals.
- ii) Dismantling of Pin rack assembly.
- iii) Cutting and removal of Rotor housing, Axial seal plates & Static seal, Adjuster assembly, Axial seal plate to sector plate assy.
- iv) Dismantling of Hot end center section, Hot end sector plates, Static seals, Adjusters Assy, Bracing pipes, By-pass seal angle assy, By-pass seal bar assy & Duct bracing.
- v) Dismantling of Cold end sector plates, Static seals, Adjusters Assy, Bracing pipes, By-pass seal angle assy, By-pass seal bar assy & Gratings.
- vi) Dismantling of existing Metallic Expansion joints. 18 Nos/Boiler.
- vii) Removal of existing Insulation wool along with cladding sheet

B) ERECTION WORKS: Loading of newly supplied modular type APH components to unit# 10 area, Erection, assembling, Alignment & welding of complete modified APH (Double sealing) as per BHEL's drawings and tender specification. Erection of expansion bellows (18 nos) also under Contractor scope.


C) BROAD SCOPE OF WORK:

1. Dismantling the existing 12 modules including hot, hot intermediate & cold end baskets, axial, bypass, radial seals & rotor post seals with holding strips, T bars & Rotor angle, bypass seal fixing angle, pin rack assembly, cold end gratings & cold end doors to suitable for the modification of APH with 24 modules.
2. Providing new modular rotor with 24 sector consist of 3 layer (hot end, hot intermediate & cold end) baskets.
3. Providing new T Bar, rotor angles, bypass seal fixing angles & pin rack assembly. Leveling of pin rack assembly.
4. Providing new rotor post seals, radial seals, axial seal & bypass seals with new holding strips for the 24 sector at hot end & cold end.
5. Replacement of all cold end gratings & cold end doors duly removing old one.
6. Replacement of all the Sector plates with new static seals at Hot End & Cold End duly removing old one.
7. Replacement of all the Axial seal plates with new static seals duly removing old one
8. Replacement of Cold End Spool, Air seal assembly for support bearing duly removing old one.

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9. Replacement of Hot End spool with spool seal ring and Air seal assembly for Guide bearing duly removing old one.
10. Renewal of Support bracing pipes at Hot end & Cold end including duct bracings.
11. Renewal of Connecting plates (Both at Hot End & Cold End) & side panels for two Air pre heaters.
12. Renewal of Axial seal plate to Sector plate seals with Door and Frame assembly.
13. After Providing new rotor, rotor alignment have to be carried out, sector plate should be levelled at hot & cold end and set the radial, axial seal & bypass seals at hot end & cold end according to the original design.
14. Guide bearing and support bearing overhaul should be carried out and if necessary the respective bearing should be renewed (Bearing will be supplied by TSGENCO) and alignment has to be done.
15. Providing Barco swivel joint, twin nozzle cleaning device as originally fitted in both APH.
16. Providing necessary APH duct supports, deluge pipe as per the original design after the completion of work.
17. Removal of insulation in the entire flue gas side/PA Side/SA side (From Cold end connecting plate to hot end connecting plate) of both Air pre heaters (where ever required for work) and relaying the insulation after erection of new modules should be carried out.
18. Renewal of support bracing pipes in Hot End and Cold end of Flue gas side in both Air-pre heaters.
19. Replacement of Expansion joints (RCEJ#4-5000X3100X561, RCEJ#4-4100X3700X561, RCEJ#1-4560X3530X186, RCEJ#1- 3440X2800X186, RCEJ#6-3100X7200X919PCD). (Total10 Nos for 2 APHs)
20. Replacement of the duct wall unit side (UCB) above and below of the Air pre heater (From GD1 & GD2 to APH Hoppers) and Bracings for supporting the ducts above and below the APH (From GD1 & GD2 to APH Hoppers). Patch welding to the APH (From GD1 & GD2 to APH Hoppers) including Hoppers.
21. Replacement of Deluge and Water washing pipes with nozzles.
22. Replacement of pinion and Taper lock Bush with new one.
23. Overhauling of Oil Circulating units.
24. Replacement of Lub. oil in gear boxes, Guide bearings, support bearings, Fluid coupling & soot blower gear reducers.
25. Replacement of Hot end center sections.
26. Replacement of Main gear box bearings and servicing.
27. Erection of expansion bellows (18 nos).

***Note:** Further if any minor works required for erection and modification of single sealing arrangement to double sealing arrangement is under the scope of contractor only.

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2.0 ROUND THE CLOCK WORK: The APH Modification work is to be carried during shutdown of the running plant and the relevant works are to be completed as per instructions of BHEL. This will call for executing unloading work with enhanced resources and round the clock. The contractor shall provide labor amenities, necessary safety gadgets etc. for the manpower deployed for the work. The bidder shall consider all such contingencies in their offer.

3.0 SITE LOCATION: Please see project information sheet.

4.0 TOOLS & TACKLES: It may be noted that BHEL will not provide any cranes for execution of the work. All required resources including D-shackles ropes, concrete/wooden sleepers etc. are to be arranged by the contractor only. The quoted rate shall consider all the eventualities that may arise during such works.

5.0 CONSTRUCTION POWER & WATER: Required power and water for the contractors use at site shall be provided by BHEL on FREE OF CHARGE at one point only (within 500m). Necessary power cabling from the source to distribution boards, energy meters etc. and distribution pipe lines to different locations of water point with taps, valves etc., shall be provided by the bidder at his cost. The successful bidder has to arrange office/temporary shed/security posts/porta-cabin for their labours/security nearer to BHEL site office.


6.0 HEALTH, ENVIRONMENT AND SAFETY: The contractor shall follow good safety practices at the site. All personnel shall be provided the required safety protective gear and contractor to ensure that they are used. Safety training to be provided to all personnel at the site. In addition, the prevailing rules and regulations pertaining to Health, Environment and Safety (HSE) procedures of M/s KTPS-V at TSGENCO, Kothagudem project site rules, prevailing labour laws enforced by local authorities, labour regulations, movement of labour / vehicles inside the plant area, time keeping systems etc., in force and other local political conditions shall be studied before submission of this budgetary offer.


7.0 COMPLIANCE TO STATUTORY REQUIREMENTS: It is the responsibility of the contractor to obtain the required labour license from the appropriate authorities before commencement of work.


7.1 The contractor shall comply with all State/Central Laws, Statutory Rules, Regulations etc. inclusive of those regarding Labour and Industrial Laws which are applicable from time to time and shall comply with the provision of the same Labour Legislation, Rules and Regulations framed under the provision of Employees' Provident Fund and Miscellaneous Provision Act 1952, ESI registration, Labour License etc.

8.0 Minimum Wages to be paid by the contractor to their workers prescribed by the state/Central Govt. under the minimum wage Act 1948. Any increase in minimum wages/ statutory requirements, during the contract period, will have to be borne by the contractor. The statutory requirements like PF, ESI will be applicable for the actual total wage per month. Bonus amount will be as per bonus act. Earned Leave payment as per Act. Contractor quoted rate shall be inclusive of all the above payments including statutory payments thereon. The contractor has to pay the wages to their workers through worker's Bank account only

8.1 The Contractor shall remain liable for the payment of all wages or other money to his work-men or employees under the payment of Wages Act 1936, Employees Liability Act. 1938, Workmen's Compensation Act 1923 or any other Act or enactment, relating thereto and rules framed, there under from time to time.

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<p>8.2 BHEL have the right to withhold the payment of his bills. Submission of statutory returns such as Half Yearly returns of ESI (Form 6), P.F. return (Form 12A), Form 5 and Form 10, Form 3A & Form 6A should be send to the concerned officers in time.</p> <p>8.3 The workers" particulars such as Name, Age, Father's name, address, Phone no. etc. and their daily attendance have to be maintained by the contractor. The details of Provident Fund and ESI compliance have to be maintained by the contractor in the prescribed format/register.</p> <p>9.0 Personal Accident Insurance Policy: The Contractor shall take insurance policy for payment of ex-gratia amount of Rs.10,00,000/- (Rupees Ten lakhs only) per head in case of fatal accidents while on duty to the Contract labour engaged by him in addition to the coverage under the Employees State Insurance (ESI) and/or Workmen's Compensation Insurance Policy, whichever is applicable. As and when a fatal accident takes place while on duty, along with the benefits under the Employees State Insurance (ESI) and/or Workmen's Compensation, whichever is applicable, the Contractor is required to pay the ex-gratia amount within thirty (30) days from the date of accident. In case of any delay in paying the ex-gratia amount as above, BHEL has the right to pay such amount directly to the family of the deceased and recover the same from the Contractor's running/future bills.</p> <p>10.0 MOBILISATION ADVANCE: No advance payment towards mobilization of site operation or for any other purpose will be made by BHEL. The payment for work will be made strictly as per payment terms in the tender specification.</p> <p>11.0 FIRM PRICE: The Contractor has to keep his quoted rates firm for the entire contractual period including total extended period, if any, and no claim for revision of rates or price escalation is allowed under any circumstances.</p> <p>12.0 VARIATION IN QUANTUM OF WORK: The details of quantum of work are indicated in the rate schedule which is only approximate and is likely to vary to the extent of PLUS or MINUS 15% of the scheduled quantities</p> <p>13.0 EARNEST MONEY DEPOSIT (EMD): The EMD amount to be remitted along with the offer and the mode of remittance shall be as indicated in the "Notice Inviting Tender".</p> <p>14.0 SECURITY DEPOSIT (SD): The successful Bidder shall within the time specified in the letter of intent deposit the required amount of security deposit. The SD shall be as per clause 1.8 of General Conditions of Contract (GCC).</p> <p>15.0 AXES AND DUTIES: The tenderer shall not include GST in their quoted rates. The GST rates and its working shall be indicated separately in the price bid.</p> <p>16.0 Procedure for reimbursement of GST (Pls. refer to the Annexure of T&C of GST): The GST shall be reimbursed against documentary evidence. The current rate of GST is @ 18% of taxable service rendered</p> <p>17.0 MODE OF PAYMENT: All payments for the works completed shall be paid based on bills raised by the contractor as payment terms and certified by Engineer-in-Charge of BHEL. Payment will be made within a reasonable time period for MSME vendors within 45 days and for non MSME vendors within 90 days from the date of submission of error free bills along with all the enclosures as called for by BHEL. Payment will be only through e-payment (through electronic fund transfer (EFT) / RTGS) only after deducting Bank charges as per BHEL terms of payment</p>		

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<p>18.0 Terms of Payment:</p> <ol style="list-style-type: none"> a. 90% of the item rate shall be paid after completion of erection, alignment and welding of the new components supplied for the APH, and handing over of the dismantled materials to scrap yard. b. Balance 10 % shall be paid only after 12 months from the date of commissioning of the APH. <p>19.0 PERIOD OF CONTRACT / DURATION OF WORK: The total contract period shall be 90 Days from the date of commencement of Pre-Shutdown activities. The split-up for the various activities are provided hereunder. The Shut-down (Erection & Commissioning) Activity shall commence from the day of handing over of site by KTPS</p> <ol style="list-style-type: none"> i) Pre-Shut-down activities : 15 days ii) Shut-down (E&C) activities : 45 days iii) Post-Shutdown Activities for : 30 Days <p>20.0 LIST OF TOOLS & TACKLES : The list of Tools and tackles, cranes etc. proposed to be deployed by the contractor shall be given along with the offer</p> <p>21.0 Accommodation for Contractors' personnel: BHEL shall not provide any accommodation facilities for the contractors' personnel. All the necessary arrangements have to be made by the contractor, outside the Plant premises, at no extra cost to BHEL.</p> <p>22.0 OVER-RUN COMPENSATION (ORC): Not applicable.</p> <p>23.0 EXTRA CHARGES FOR MODIFICATION AND RECTIFICATION WORKS: Not applicable.</p> <p>24.0 The following documents enclosed shall also form part of the tender:</p> <ol style="list-style-type: none"> a) General terms and conditions of work (Section I&II u/ref ES:F:010) b) Special Conditions of Contract for APH works (BAP:ERN:SPN:MECH:APH:01-Section: III, IV & V) c) Special Conditions of Contract - (Section: VI and VII) d) General Terms and Conditions for Reverse Auction (SECTION-VIII) e) Statutory requirement of contract (Forms & procedure) (ES: F:009) <p style="text-align: center;">*****</p>		

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TENDER DOCUMENT

Un -Price Bid

SCHEDULE OF RATES AND QUANTITY

SCOPE OF WORK: Dismantling, Erection, Testing and Commissioning for the Modification of Air Pre Heater (Size 27.5 VIMT 2000) Single sealing arrangement with Double sealing arrangement in Unit-X (1x250MW) of KTPS-V Stage, at TSGENCO, Kothagudem, Telangana.

Sl. No.	DESCRIPTION OF ITEM	UOM	QTY	Weightage in %.	Amount
A01	Receipt of materials from TSGENCO, KTPS Stores, transporting to site of erection, dismantling of existing APH components to the extent required, transporting of scrap to KTPS scrap yard (with in the boundary), Erection, Testing, and Commissioning of new APH components as per Technical Specification and as per instructions of BHEL Engineer-in-charge, at KTPS UNIT #10(1X250 MW), Kothagudem, Telangana by using contractor's own T&P, cranes, winches etc. (Approximate total weight is 400 MT for 2 APHs)	Set	02	97.40	QUOTED
A02	Removal of existing insulation and disposing of the same at identified location inside the plant, Re-insulation of entire APH by using wool mattress of 100 mm/150mm thick, 0.63 mm GI cladding sheet, retainers, fixing pins etc. as per specification & drawings as required. (Approx. total area of insulation would be 360 sq. meters for 2 APHs)	Set	02	2.60	QUOTED
	Total value for the above scope of work in Indian Rupees				QUOTED
B	GST @ _____%				
	Total value for the above scope of work in Indian Rupees inclusive of GST				QUOTED

Note: The Bidder has to work out their rates for above BOQ items separately and **quote only lump sum price in the online price bid. Rates quoted elsewhere in technical bid shall be invalid and treated as invalid offer.**

SIGNATURE OF BIDDER

Note: Vendor to quote only the "Rate of GST" in this copy of Un-Priced Bid in Column (B)



Ranipet

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GENERAL CONDITIONS OF CONTRACT

FOR

WORKS

(SECTION - I & II)

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ERECTION SERVICES DEPARTMENT


BHARAT HEAVY ELECTRICALS LIMITED


(A Government of India Undertaking)


BOILER AUXILIARIES PLANT


INDIRA GANDHI INDUSTRIAL COMPLEX

RANIPET – 632 406

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<p>1. GENERAL INSTRUCTIONS TO BIDDERS</p> <p>1.1. DESPATCH INSTRUCTIONS:</p> <p>1.1.1. This tender specification as a whole, duly furnishing all the details required and other documents as required in the following pages, shall be duly signed and sent in a sealed cover duly super scribing the name of work as given in the tender notice.</p> <p>1.1.2. The tender shall be addressed to Officer inviting tender as indicated in the tender notice.</p> <p>1.1.3. Tenders submitted by post shall be sent by “REGISTERED POST WITH ACKNOWLEDGEMENT DUE” and shall be posted with the due allowance for any postal delay. The tenders received after the due date and time of opening are liable to be rejected. Telegraphic offers and offers received by telex may not be considered.</p> <p>1.1.4. Tenders shall be opened by authorized officer of BHEL at his office at the time and date as specified in the tender notice in the presence of such of those bidders or their authorized representatives who may be present.</p> <p>1.1.5. The Tenders shall closely pursue all the clauses, specifications and drawings indicated in the tender documents before quoting. Should the bidder have any doubt in the meanings of any portion of the tender specification or find discrepancies or omission in the drawings or the tender documents issued are in complete or shall require clarification on any of the technical aspect, scope of work etc., he shall at once contact the authority inviting the tender for clarification before the submission of the tender.</p> <p>1.1.6. Before tendering, the bidders are advised to inspect the site of work and the environments and be well acquainted with the actual working and other prevalent conditions, facilities available, position of material and labour. No claim will be entertained later, on the ground of lack of knowledge.</p> <p>1.1.7. Bidder must fill up all the schedules and furnish all the required information as per the instructions given in various sections of the tender specification. Each and every page of the Tender Specification must be signed and submitted along with the offers by the bidder in token of complete acceptance thereof. The information furnished shall be complete by itself.</p> <p>1.1.8. The bidders shall quote the rates in English language and international numerals. These rates shall be entered in figures as well as in words.</p> <p>1.1.9. Discrepancy in Quoted Rates :</p> <p>a. If, in the price structure quoted, there is a discrepancy between the Unit rate quoted and the Total Price (which is obtained by multiplying the unit price by the quantity) due to arithmetical errors, the Unit rate quoted will be considered valid and the Total price will be corrected accordingly, unless in the opinion of BHEL there is an obvious misplacement of decimal point in the unit price. In which case the total price as quoted shall govern and the unit price corrected accordingly.</p> <p>b. If there is an error in total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.</p> <p>c. If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.</p> <p>d. If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date before which the bidder has to send their acceptance on the above lines. If the bidder does not agree to the decision of BHEL, the bid is liable to be ignored.</p> <p>1.1.10. For the purpose of the tender, the metric system of units shall be used.</p> <p>1.1.11. All entries in the tender shall either be typed or be written in ink. Erasers and overwriting are not permitted and may render such tenders liable to summary rejection. All cancellations and insertions shall be duly attested by the bidder.</p>		

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1.2. 1.3. 1.3.1. 1.3.2. 1.3.3. 1.3.4. 1.3.5. 1.3.6. 1.3.7. 1.3.8. 1.3.9. 1.3.10 1.3.11 1.3.12	<p>QUALIFICATION OF BIDDERS: Only bidders who have previous experience in the work of this nature and description detailed in this tender specification are expected to quote for this work duly submitting details of experience along with the offer. Offers from bidders who do not have proven and established experience in the field are not likely to be considered.</p> <p>DATA TO BE ENCLOSED: Full information shall be given by the bidder in respect of the following. Non- submission of these information may lead to rejection of the offer.</p> <p>FINANCIAL STATUS: A certificate from Scheduled Bank to prove his financial capacity to undertake the work duly indicating financial limits the bidder enjoys or solvency certificate from the concerned Government authority. Informations required in Annexure A7 shall be furnished by the bidder along with the offer.</p> <p>INCOME TAX CERTIFICATE: A certificate of Income Tax clearance from the appropriate authority in the forms prescribed there for indicating annual turnover and the Sales Tax clearance certificate from the appropriate authorities as prescribed by the concerned state government, if any. These certificates shall be valid for one year from the date of issue or for the period prescribed therein for all tenders submitted during the period.</p> <p>PREVIOUS EXPERIENCE: A statement giving particulars duly supported by documentary evidence of the various services rendered for each similar work by the bidder indicating the particulars, value of each work, the site location, the duration, date of completion, a list of site locations and particulars and value of various services that are under progress. Information required in Annexure –BI & BII shall be furnished by the bidders along with the offer.</p> <p>ORGANISATION CHART: The Organisation pattern that is presently available with the bidder and that will be employed by the bidder for this work shall be furnished.</p> <p>An attested copy of the Power of Attorney, in case the tender is signed by an individual other than the sole proprietor, shall also be attached. (If it is a Company or Firm, etc., Director/Managing Partner as the case may be is required to sign)</p> <p>IN CASE OF AN INDIVIDUAL: His full name, address and place and nature of business shall be indicated.</p> <p>IN CASE OF PARTNERSHIP FIRMS: The names of all the partners and their addresses be furnished along with a copy of the partnership deed/instrument of partnership duly certified by Notary Public shall be enclosed.</p> <p>IN CASE OF COMPANIES: Date and place of registration including date of commencement certificate in case of public companies (certified copies of Memorandum and Articles of Association are also to be furnished) are to be furnished.</p> <p>Nature of business carried on by the Company and the provisions of the Memorandum relating there of shall be furnished.</p> <p>Names and particulars including addresses of the Directors and their previous experiences shall be furnished.</p> <p>A list of tools and tackles that the bidder is having and those that will be used on this job shall be furnished.</p> <p>In addition to the above, the particulars required in various annexure shall also be furnished.</p>	

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<p>1.4 EARNEST MONEY DEPOSIT:</p> <p>1.4.1. Every tender must be accompanied by the prescribed amount of Earnest Money Deposit in any one of the following forms.</p> <p>1.4.1.1. EMD shall be deposited in cash (as permissible under income tax act), Banker’s cheque, Payorder or Demand Draft (payable at Ranipet in favour of “Bharat Heavy Electricals Ltd.,”), Electronic Fund Transfer in BAP/BHEL account (before tender Opening) only. No other form of EMD remittance shall be acceptable to BHEL.</p> <p>1.4.1.2. In case of payment of EMD in the form of Cash, the amount should be remitted by the bidder to the Cash Office of Bharat Heavy Electricals Limited, BAP,Ranipet-632 406 during it’s working hours and cash receipt issued shall be enclosed along with the tender.</p> <p>1.4.2. Tenders received without Earnest Money in full in the manner prescribed above are liable to be rejected.</p> <p>1.4.3. The Earnest Money Deposit of the successful tenders may be retained towards part of Security Deposit.</p> <p>1.4.4. In the case of unsuccessful bidders, the Earnest Money will be refunded to them within a reasonable time after finalisation of the tender.</p> <p>1.4.5. Earnest Money Deposit by the bidder will be forfeited as per tender documents if the bidder:</p> <p>1.4.5.1. Fails to communicate unqualified acceptance of Letter of Intent within 15 days of date of Letter of Intent.</p> <p>1.4.5.2. Does not commence the work within the period as per LOI/Contract. In case the LOI/Contract is silent in this regard then within fifteen days after award of contract.</p> <p>1.4.5.3. After opening of Tender, revokes/withdraws his tender within the validity period or revises/alters his earlier quoted rates/conditions.</p> <p>1.4.5.4. Fails to submit SD as indicated in the Letter of Intent.</p> <p>1.4.6. Earnest Money deposit shall not carry any interest.</p> <p>1.5. AUTHORISATION AND ATTESTATION:</p> <p>1.5.1. Tenders shall be signed by persons duly authorized /empowered to do so. Certified copies of such authority and relevant documents shall be submitted along with the tenders.</p> <p>1.6. VALIDITY OF OFFER: The rates in the Tender shall be kept open for acceptance for a minimum period of six months from the date of opening of tenders. In case the Bharat Heavy Electricals Limited calls for negotiations such negotiations shall not amount to cancellation or withdrawal of the original offer , which shall be binding on the bidders.</p> <p>1.7. EXECUTION OF CONTRACT: The successful bidder’s responsibility under this contract commences from the date of issue of the Letter of Intent by Bharat Heavy Electricals Limited. The successful bidder shall be required to execute an agreement in the prescribed from (Annexure-D) with BHEL within a reasonable time after the acceptance of his tender and in any case before submitting the first bill for payment. The expenses for completion, stamping and registration of the agreement with prescribed authority, if necessary, shall be borne by the Contractor.</p> <p>1.8. SECURITY DEPOSIT:</p> <p>1.8.1. Upon acceptance of tender, the successful bidder within the time specified in the letter of intent must deposit the required amount of Security Deposit for satisfactory execution of work and shall not commence work under this contract before remitting security deposit except as directed by BHEL.</p>		

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<p>1.8.2. The total amount of Security Deposit will be 5% of the contract value. EMD of the successful tenderer shall be converted and adjusted towards the required amount of Security Deposit.</p> <p>1.8.3. Modes of deposit: The balance amount to make up the required Security Deposit of 5% of the contract value may be accepted in the following forms:</p> <ul style="list-style-type: none"> i) Cash (as permissible under the extant Income Tax Act) ii) Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL iii) Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL. The BG furnished towards Security Deposit should be kept valid by proper renewal till the expiry of Six Months after the said work is actually completed. iv) Fixed Deposit Receipt issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL) v) Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Contractor furnishing the security and duly endorsed/ hypothecated/ pledged, as applicable, in favour of BHEL) <p>(Note: BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith)</p> <p>1.8.4. Collection of Security: At least 50% of the required Security Deposit, including the EMD, required to be submitted before start of the work. Balance of the Security Deposit can be recovered by deducting 10% of the gross amount progressively from each of the running bills of the Contractor till the total amount of the required Security Deposit is collected.</p> <p>1.8.5. If the value of work done at any time exceeds the contract value, the amount of Security Deposit shall be correspondingly enhanced and the additional Security Deposit shall be immediately deposited by the Contractor or recovered from payment/s due to the Contractor.</p> <p>1.8.5 Failure to deposit the Security Deposit within the stipulated time, may lead to forfeiture of Earnest Money and cancellation of the award of work.</p> <p>1.8.6 If any part of Security Deposit of the Contractor is held in the form of approved securities it shall be kept transferred in the name of Bharat Heavy Electricals Limited, Ranipet, in such a manner that the same can be realized fully without referring to the Contractor, BHEL shall not be responsible for any depreciation in the value of the Security while in BHEL's custody or for any loss of interest thereon.</p> <p>1.8.7 BHEL reserves the right to forfeiture of Security Deposit in addition to the other claims and penalties in the event of the Contractor's failure to fulfill any of the Contractual obligation including liquidation or bankruptcy of the contractor, non-payment of money payable by means of arbitration award in favour of BHEL or in the event of termination of Contract as per terms and conditions of Contract. BHEL reserves the right to set off the Security Deposit, against any claims of any other contracts with BHEL.</p> <p>1.8.8 RETURN OF SECURITY DEPOSIT: If the Contractor performs and completes the work in all respects to the entire satisfaction of BHEL and presents an absolute "No Demand Certificate" in the prescribed form (Annexure-F) and returns properties belonging to BHEL handed over, lent or hired by him for carrying out the said works, Security Deposit will be released to the Contractor after deducting all cost of expenses or other amounts that are to be paid to BHEL under this or other contracts entered into with the Contractor. It may be noted that in no case the Security Deposit shall be refunded/released prior to passing of final bill.</p> <p>1.8.9 No interest shall be payable by BHEL on Earnest Money-Security deposit OR any money due to the contractor by BHEL</p>		

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1.9. REJECTION OF TENDER AND OTHER CONDITIONS

- 1.9.1.** The acceptance of Tender will rest solely with BHEL which does not bind itself to accept the lowest tender or any tender and reserves to itself full rights for the following without assigning any reasons whatsoever.
- 1.9.1.1.** To reject any or all of the bidders.
- 1.9.1.2.** To split up the work amongst two or more Bidders.
- 1.9.1.3.** To award the work in part.
- Either of the contingencies stated in (1.9.1.2) and (1.9.1.3) above to modify the time for completion suitably.
- 1.9.2** Conditional and Unwitnessed tenders, tenders containing absurd or unworkable rates and amounts and tenders which are incomplete and otherwise considered defective and tenders not in accordance with the tender conditions, specifications, etc., are liable to be rejected.
- 1.9.1.** If a bidder expires after the submission of his/her tender or after the acceptance of his/her tender, BHEL may at their discretion cancel such tender. If a partner of a firm expires the submission of the tender or after the acceptance of the tender, BHEL may cancel such tender at their discretion unless the firm retains its character.
- 1.9.2.** BHEL will not be bound by any power of Attorney granted by the bidder or by changes in the composition of the firm made subsequent to the execution of the Contract. They may, however recognize such power of Attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the contractor concerned.
- 1.9.3.** If the bidder deliberately gives wrong information in his tender, BHEL reserves the right to reject such tender at any stage or cancel the contract, if awarded. The Earnest Money/Security Deposit /any other money due shall also be forfeited.
- 1.9.4.** Canvassing in any form in connection with the tender is strictly prohibited and the tenders submitted by the contractors who resort to canvassing in any form are liable to rejection.
- 1.9.5.** Should a bidder or contractor or in the case of a firm or company of contractors one or more of its partners/shareholders/Directors have a relation or relations employed in BHEL, the authority inviting tender shall be informed of the fact along with the offer, failing this BHEL may, at its sole discretion reject the tender or cancel the contract and forfeit the Earnest Money/Security Deposit.
- 1.9.6.** The successful bidder should not sub-contract the part or complete work detailed in the tender specification undertaken by him without written permission of BHEL. The bidder is solely responsible to BHEL for the work awarded to him.
- 1.9.7.** No deviation from the tender specification shall be acceptable to BHEL. Bidders shall confirm their unqualified acceptance of the terms and conditions by giving an undertaking to this effect in a separate letter as specified by BHEL. It may be noted that any conditional or Incomplete bid shall be regarded as non-responsive and would be liable to be rejected.

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SECTION – II

- 2.1. **DEFINITION:** The following terms shall have the meaning hereby assigned to them except where the context otherwise requires.
- 2.1.1. **BHEL or (B.H.E.L Ltd)** shall mean Bharat Heavy Electricals Limited a Company registered under Indian Companies Act 1956, with its Registered Office at BHEL House, Siri fort, New Delhi 110 049 or its Authorised Officers or its Resident Engineer or other employees authorized to deal with any matters with which these persons are concerned on its behalf.
- 2.1.2. **“GENERAL MANAGER”** shall mean the Officer in Administrative charges of contracting unit of BHEL.
- 2.1.3. **“ENGINEER”** or **“ENGINEER IN CHARGE”** shall mean Engineer who is in-charge for the works referred in Erection Services. The term also includes PROJECT MANAGER, “RESIDENT MANAGER” “SITE ENGINEER “ “ RESIDENT MANAGER” and “ASSISTANT SITE ENGINEER “ of BHEL at the site as well as the Officers in_charge at Head Office.
- 2.1.4. **“SITE”** shall mean the place or places at which the plants/equipment are to be erected and services are to be performed as per the specification of this contract.
- 2.1.5. **“CLIENTS OF BHEL”** or **“CUSTOMER”** shall mean the project authorities to whom BHEL is supplying the equipment.
- 2.1.6. **“CONTRACTOR”** shall mean the individual, firm or company who enters in to this contract with BHEL and shall include their executors, administrators, successor and permitted assignees.
- 2.1.7. **“CONTRACT”** or **“CONTRACT DOCUMENT”** shall mean/and include the agreement or work order, the accepted appendices of rates, schedules, quantities, if any and general conditions of contract, the special conditions of contract, instructions to the bidders, the drawings, the technical specifications, the special specifications, if any, the tender documents and the Letter of Intent/Acceptance Letter issued by BHEL. Any conditions or terms stipulated by the contractor in the tender document or subsequent letters shall not form part of the contract unless specially accepted in writing by BHEL, in the Letter of intent and incorporated in the agreement.
- 2.1.8. **“GENERAL AND SPECIAL CONDITIONS OF CONTRACT”** shall mean the “Instructions to Bidders and General and Special Conditions of Contract” pertaining to the work for which the bidders are called for.
- 2.1.9. **“TENDER SPECIFICATIONS”** shall mean the “SPECIFIC CONDITIONS, Technical specifications, appendices, site informations and drawings” pertaining to the work in which the bidders are required to submit their offer, Individual specification number will be assigned to each tender specification..
- 2.1.10. **“TENDER DOCUMENTS”** shall mean the General and Special Conditions of Contract(2.1.8) and tender specification(2.1.9).
- 2.1.11. **“LETTER OF INTENT”** shall mean the intimation by a letter to the bidder that the tender has been accepted in accordance with provisions contained in that letter. The responsibility of the contractor commences from the date of issue of this letter and all the terms and conditions of contract are applicable from this date.
- 2.1.12. **“COMPLETION TIME”** Shall mean the period by date specified in the acceptance of tender or date mutually agreed upon for handing over of the erected equipment/plant which are found acceptable by the Engineer being of required standard and conforming to the specifications of the contract.
- 2.1.13. **“PLANT”** shall mean and cannot be the entire assembly of the plant and equipment covered by the contract.
- 2.1.14. **“EQUIPMENT”** shall mean all equipment, machinery, materials, structurals, electricals and other components of the plant covered by the contract.
- 2.1.15. **“TESTS”** shall mean and include such test or tests to be carried out on the part of the contractor as are prescribed in the contract or considered necessary by BHEL in order to ascertain the quality, workmanship, performance and efficiency of the contract work or part thereof.
- 2.1.16. **“APPROVED”** “DIRECTED” or “INSTRUCTED” shall mean approved, directed or instructed by BHEL.

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- 2.1.17. “WORK OR CONTRACT WORK”** shall mean and include supply of all categories of labour specified consumables, tools and tackles required for complete and satisfactory site transportation handling, stocking, storing, erecting, testing, and commissioning of the equipment to the entire satisfaction of BHEL.
- 2.1.18. “SINGULAR AND PLURAL ETC”** works carrying singular number shall also include plural and vice versa, where the context so required. Words importing the masculine gender shall be taken to include the feminine gender and words imparting persons shall include any company or association or body of individuals, whether incorporated or not.
- 2.1.19. “HEADINGS”**
The headings in these general conditions are solely for the purpose of facilitating reference and shall not be deemed to be part thereof or be taken into consideration in the interpretation or construction thereof or of the contract.
- 2.1.20. “MONTH”** shall mean calendar month, unless specified otherwise in the tender.
- 2.1.21. “WRITING”** shall include any manuscript typewritten or printed statement under the signature of BHEL.
- 2.2. LAW GOVERNING THE CONTRACT AND COURT JURISDICTION**
The contract shall be governed by the Law for the time being in force in the Republic of India, and shall be subject to the Jurisdiction of the courts having Jurisdiction over RANIPET (VELLORE Dist, Tamil Nadu).
- 2.3. ISSUE OF NOTICE:**
The Contractor shall furnish to the BHEL ENGINEER the name, designation and address of his authorized agent and all complaints, notices, communication and reference shall be deemed to have been duly given to the contractor or his authorized agent or left or posted to the address of either the contractor or of his representative and shall be deemed to have been so give in the case of posting on the day on which they would have reached such address in the ordinary course of post or on which they were so delivered of / or left.
- 2.4. USE OF LAND:** No land belonging to BHEL or their customer under temporary possession of BHEL shall be occupied by the Contractor without the written permission of BHEL.
- 2.5. COMMENCEMENT OF WORKS:**
- 2.5.1.** The Contractor shall commence the works within the time indicated in the Letter of Intent from BHEL and shall proceed with the same with due expedition without delay.
- 2.5.2.** If the successful bidder fails to start the work within the stipulated time, BHEL, at his sole discretion will have the right to cancel the contract. His earnest money and/or Security Deposit with BHEL will stand forfeited without any further reference to him without prejudice to any and all of BHEL’s other rights and remedies in this regard.
- 2.5.3.** All the works shall be carried out under the direction and to the satisfaction of BHEL.
- 2.5.4.** The erected/constructed plant or work performed under this contract shall be taken over when it has been completed in all respects and/or satisfactorily put in to operation at site.
- 2.6. MODE OF PAYMENT AND MEASUREMENT OF THE WORK COMPLETED:**
- 2.6.1.** All payments due to the contract shall be paid through E-PAYMENT (EFT / RTGS) only. The contractor has to furnish acceptance for e-payment, duly indicating the bank account details in the prescribed format.
- 2.6.2.** For Progress running bill payment: The contractor shall present detailed measurement working sheets, in quadruplicate, duly indicating all relevant details based on technical documents and connected drawings for work done during the month/period under various categories in line with terms of payment as per letter of intent. The basis of arriving at the quantities/weight shall be the relevant documents and drawings released by BHEL.

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- 2.6.3.** These measurement working sheets will be checked and vetted by BHEL Engineers and quantities and percentage eligible for payment under various groups shall be decided by BHEL engineers. The abstract of quantities and percentage so arrived based on the terms of payment shall be entered in Measurement Book and signed by both the parties.
- 2.6.4.** Based on the above quantity, contractor shall prepare the bills in prescribed proforma and work out the financial value. These will be entered in Measurement Book and signed by both the parties and paid duly effecting recoveries due.
- 2.6.5.** All recoveries due from the contractor for the month/period shall be effected in full from the corresponding running bills unless specific approval from the competent authorities is obtained otherwise.
- 2.6.6.** Measurement shall be restricted to that for which it is required to ascertain the financial liability of BHEL under this contract.
- 2.6.7.** The measurement shall be taken jointly by persons duly authorized on the part of BHEL and by the contractor.
- 2.6.8.** The contractor shall bear the expenditure involved, if any, in making the measurement. The contractor shall, without extra charges provide all the assistance with appliances and other things necessary for measurement.
- 2.6.9.** If, at any time due to any reason, whatsoever, it becomes necessary to re-measure the work done in full or in part, the expenses towards such re-measurements shall be borne by the contractor.
- 2.6.10.** Passing of measurement as per bills does not amount to acceptance of the completion of the work mentioned. Any left out work has to be completed if pointed out at a later date by BHEL.
- 2.6.11.** Final measurement bill shall be prepared in the final bill proforma prescribed for the purpose based on the certificate issued by BHEL Engineer that entire work as stipulated in the tender specification has been completed in all respects to the entire satisfaction of BHEL. Contractors shall give unqualified 'No Due' and 'No Demand' certificate. All the tools and tackles loaned to them should be returned in condition satisfactory to BHEL. Quantities/Weight erected shall be prepared and paid, within a reasonable time after completion of work. After payment of final bill, only guarantee obligation percentage shall remain unpaid which shall be released in accordance with clause 2.13. The final bill quantities and financial value shall also be entered in Measurement Book and signed by both the parties to the contract.
- 2.7 RIGHTS OF BHEL**
- BHEL reserves the following rights in respect of this contract without entitling the contractor for any compensation.
- 2.7.1.** To get the work done through other agency at the risk and cost of the Contractor, in the event of Contractor's poor progress, or inability to progress the work, persistent disregard in instruction of BHEL, assignment transfer, subletting of the contract without permission of BHEL, non fulfillment of any contractual obligation etc., and to recover compensation for such losses from the contractor including BHEL's supervision charges and overheads from Security Deposit / other dues.
- 2.7.2.** To withdraw any portion of work and/or to restrict/alter quantum of work as indicated and get it done through other agency and/or with departmental labour to suit BHEL's commitment to its customer or in case BHEL decides to advance the date of completion due to other emergency reasons/BHEL's obligation to its customer.
- 2.7.3.** To terminate the contract after due notice to cause forfeiting of Security Deposit and recover the loss sustained in getting the balance work done through other agencies in addition to liquidated damages in the event of :
- 2.7.3.1.** Contractor's continued poor progress.
- 2.7.3.2.** Withdrawal from or abandonment of the work before completion of the work.

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- 2.7.3.3. Corrupt act of contractor.
- 2.7.3.4. Insolvency of the contractor.
- 2.7.3.5. Persistent disregards to the instructions of BHEL.
- 2.7.3.6. Assignment transfer, sub-letting of the contract without BHEL's permission.
- 2.7.3.7. Non-fulfillment of any contractual obligations.
- 2.7.4. To recover any money due from the contractor from any money due to the contractor under this contract or any other contract or from the Security Deposit.
- 2.7.5. To claim compensation for losses sustained including BHEL's supervision charges and overheads for completion on termination of contract and to impose penalty for delay in completion of the work. At the rate of **½% of the contract value per week of delay or part thereof subject to a ceiling of 5% of contract value.**
- 2.7.6. To terminate the contract or to restrict the quantum of work and pay for the portion of work executed in case BHEL's contracts with their customers are terminated for any reason.
- 2.7.7. To effect recovery from any amount due to the contractor under this or any other contractor in any other form the moneys BHEL is forced to pay to anybody, due to contractor's failure to fulfill any of his obligation.
- 2.7.8. To restrict or increase the quantity and nature of work to suit the site requirements since the tender specification is based on preliminary documents and quantities furnished there in are indicative and approximate and the rates quoted shall not be subject to revision.
- 2.7.9. To deploy BHEL's fitters, welders, operators and technicians in case of emergency/poor progress/deficiency in skill on the part of employees of contractor and to recover the expenditure on account of the same from contractor's bills.
- 2.7.10. While every endeavor will be made by BHEL they cannot guarantee un-interrupted work to the contractor due to conditions beyond their control. Contractor will not be entitled for any compensation extra payment on his account.
- 2.7.11. In the event of any dispute of any nature, the decision of BHEL shall be final and binding on the contractor.
- 2.7.12. **Cancellation of contract in part or full for contractor's default:**
 If the contractor:
- a) makes default in commencing the work within a reasonable time from the date of handing over of the site and continue in that state after a reasonable notice from Engineer-in-charge.
 OR
 - b) in the opinion of the Engineer-in-charge at any time whether before or after the date / extended date for completion, make default in proceeding with the work, with due diligence and continue in that state after a notice of seven days from Engineer-in-charge
 OR
 - c) fails to comply with any of the terms and conditions of the contract or after 7 days notice in writing with orders properly issued there under
 OR
 - d) fails to complete the work order and items of work as per individual dates for completion and clear the site on or before the date of completion or fails to achieve the progress set out in accordance with the provisions of contract.

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The Accepting Officer may, without prejudice to any other right or remedy which shall have accrued or shall accrue to BHEL, cancel the contract as a whole or in part thereof or only such work order items of work in default from the contract. Whenever the Accepting officer exercises his authority to cancel the contract as a whole or in part under this condition he may complete the work at the contractor's risk and cost, provided always that in the event of the cost of completion (as certified by Engineer-in-charge, which is final and conclusive) being less than the contract cost the advantage shall accrue to the BHEL. If the cost of completion exceeds, the money due to the contractor under this contract the contractor shall either pay the excess amount ordered by General Manager or the same shall be recovered from the contractor by other means. Engineer-in-charge will have power to take possession of site and materials, constructional plant, implements, stores etc there on.

In case BHEL completes the work or any part thereof under the provisions of the contract conditions, then such completion is to be taken in to account in determining the excess cost to be charged to the contractor under this condition and shall consist of the cost of materials purchased and / or labour provided by BHEL, with an addition of such percentage to cover superintendence and establishment charges as may be decided by the General Manager, whose decision shall be final and conclusive.

2.7.13. If the contractor fails to pay the excess sum within a period of 30 days the Engineer-in-charge shall have the right to sell any or of the contractor's unused materials, construction plant, implements, temporary buildings etc., and apply the proceeds of sale thereof towards the satisfaction of any sum due from the contractor under the contract and if there after be any balance out standing from the contractor, it shall be recovered in accordance with the provisions of the contract.

2.7.14. BHEL shall have the right to recover any money due from the contractor from any money due to the contractor under this contract or any other contract or from the Security Deposit.

2.8. RESPONSIBILITIES OF THE CONTRACTOR IN RESPECT OF LOCAL LAWS, EMPLOYMENT OF WORKERS Etc.

The following are the responsibilities of the Contractor in respect of observation of local laws, employment of personnel, payment of taxes etc.

2.8.1. As far as possible unskilled workers shall be engaged from the local areas in which the work is being executed.

2.8.2. The contractor at all times during the continuance of this contract shall, in all his dealings with local labour for the time being employed on or in connection with the work, have due regard to all local festivals, religious and other customs.

2.8.3. The contractor shall comply with all state and Central Laws, Statutory Rules, Regulations etc., inclusive of those regarding labour and industrial laws which are applicable from time to time and they shall comply with the provisions of the said labour legislations, rules and regulations framed under the provisions of Employees Provident Fund and Miscellaneous Provisions Act 1952 shall be strictly followed.


2.8.4. The contractor shall pay all taxes, including sales Tax on works contract if any fees, license, charges, deposits duties, tool royalty commissions or other charges which may be leviable on account of any of his operations in execution of the contract in case BHEL is forced to pay any of such taxes. BHEL shall have the right to recover the same from the contractor either from his bills or other wise as deemed fit.

2.8.5. While BHEL would pay the inspection fees, of the Boiler Inspectorate, all other arrangements for the visits periodically by Boiler Inspector to site, Inspection Certificate etc., will have to be made by the contractor. However BHEL will not make any payment to Boiler Inspector in connection with contractor's welders qualification/requalification tests etc.

2.8.6. The contractor shall be responsible for provision of health and sanitary arrangements (more particularly described in Contract Labour Regulation & Abolition Act) safety precautions etc., as may be required for safe and satisfactory execution of the contract.

2.8.7. The contractor shall be responsible for providing proper accommodation including adequate medical facilities for the personnel employed by him.

2.8.8. The contractor shall be responsible for the proper behavior and observance of all regulations by the staff employed by him.

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<p>2.8.9. The contractor shall ensure that no damage is caused to any person/property of other parties working at site. If any such damage is caused it is the responsibility of the contractor to make good the losses or compensate for the same.</p> <p>2.8.10. All the properties/equipment/components of BHEL their client loaned with or without deposit to the contractor in connection with contract shall remain the properties of BHEL/their client. The contractor shall use such properties for purpose of execution of this contract, all such properties/equipment/components shall be deemed to be in good condition when received by the Contractors unless he notifies within 48 hours to the contrary. The Contractor shall return them in good condition as and when required by BHEL/their client. In case of non-return, loss, damage, repairs etc, the cost thereof, as may be fixed by the site Engineer, will be recovered from the Contractor.</p> <p>2.8.11. It is not obligatory on the part of BHEL to supply any tools and tackles or other materials other than those specifically agreed to do so by BHEL. However, depending upon the availability/possibility BHEL's customer's handing equipment and other plants may be made available to the contractor on payment of the hire charges/free of charges, as fixed subject to the conditions laid down by BHEL/Customer from time to time. Unless paid in advance such hire charges if applicable shall be recovered from contractors bills/security deposit in one installment.</p> <p>2.8.12. The Contractor shall fully indemnify BHEL against all claims of whatsoever nature arising during the course of erection/construction/performing work under the contract.</p> <p>2.8.13. In case the Contractor is required to undertake any work outside the scope of this contract the rate payable shall be those mutually agreed upon.</p> <p>2.8.14. Any delay in completion of works/non-achievement of periodical targets, due to reasons attributable to the contractor, the same will have to be compensated by the Contractor either by increasing manpower and resources or by working extra hours and/or by working more than one shift. All these are to be carried out by the contractor at no extra cost.</p> <p>2.8.15. The contractor shall arrange and co-ordinate his work in such a manner as to cause no hindrance to other agencies working in the same premises.</p> <p>2.8.16. All safety rules and codes applied by the client/BHEL at site shall be observed by the contractor without exception. The contractor shall be responsible for the safety of the equipment/material and works to be performed by him and shall maintain all light, fencing guards signs etc, or other protection necessary for the purpose. Contractor shall also take such additional precautions as may be indicated from time to time by the Engineer with a view prevent pilferage, accidents, fire hazards and due precautions shall be taken against fire hazards and atmospheric conditions. Suitable number of clerical staff, watch and ward, store keepers to take care of equipment, materials and construction tools and tackles shall be posted at site by the contractor till the completion of the work under this contract. The contractor shall arrange for such safety devices as are necessary for such type of work and carry out the requisite site tests of handling equipment, lifting tools, tackles, etc., as per prescribed standards and practices.</p> <p>2.8.17. The contractor will be directly responsible for payment of wages to his workmen. A pay roll sheet giving all the type payments given to the workers and duly signed by the contractor's representative should be furnished to BHEL Site office on or before 15th of every succeeding month.</p> <p>2.8.18. In case of any class of work for which there is no such specification as laid down in the contract, such work shall be carried out in accordance with the instructions and requirements of the Engineer.</p> <p>2.8.19. No levy of payment or charge made or imposed shall be impeached by reason of any clerical error or by reason of any mistake in the amount levied or demanded or charged.</p> <p>2.8.20. Also no idle labour charges will be admissible in the event of any stoppage caused in the work resulting contractor's labour being rendered idle due to any cause at any time.</p> <p>2.8.21. The contractor shall take all reasonable care to protect the materials and work till such time the plant/equipment has been taken over by BHEL/their client.</p> <p>2.8.22. Contractor shall not stop the work or abandon the site for whatsoever reason or dispute, excepting for force major conditions. All such problems/dispute, shall be separately discussed and settled without affecting the progress of work. Such stoppage or abandonment shall be treated as breach of contract and dealt with accordingly.</p>		

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2.9. CONSEQUENCES OF CANCELLATION:

Whenever BHEL exercises its authority to terminate the contract/withdraw a portion of work under the clause 2.7 they may complete the work by any means. In the event of the cost of completion as certified by the site Engineer which is final and conclusive being less than the contract cost, the advantage shall accrue to BHEL and that if the cost of completion exceeds the moneys due to the contractor under the contract, the contractor shall either pay the excess amount ordered by BHEL or the same shall be recovered from the contractor by any other means. This will be in addition to the forfeiture of Security Deposit and recovery of liquidated damages as per the relevant clauses.

2.9.1. In case BHEL completes the work under the provision of this condition, the cost of such completion to be taken into account in determining the excess cost to be charged to the contract under this condition, shall consist of materials purchased and/or labour provided by BHEL with an addition of such percentage to cover supervision and establishment charges as may be decided by BHEL.

2.10 INSURANCE:

2.10.1. BHEL/their customer shall arrange for insuring the materials/properties of BHEL / customer covering the risks during transit, storage, erection and commissioning.

2.10.2. It is sole responsibility of the contractor to insure his workmen against accidents and injury while at work as required by relevant Rules and to pay compensation, if any, to workmen as per workmen's Compensation Act. The work will be carried out in a protected area and all the rules and regulations of the client/BHEL in the area of project which are in force from time to time will have to be followed by contractor.

2.10.3. If due to negligence and/or non-observance of safety and other precautions, any accident/injury occurs to any other persons/public, the contractor shall have to pay necessary compensation and other expenses if so decided by the appropriate authorities.

2.10.4. If due to contractor's carelessness's, negligence of non-observance of safety precautions damage to BHEL's /customer's property and personnel should occur and if BHEL is unable to recover in full cost from the insurance company, the same will be recovered from the contractor.

2.10.5. It shall be the responsibility of the contractor to provide security arrangement for the equipment/materials belonging to BHEL and handed over to the contractor for erection/transportation till the same are taken over by BHEL after erection/returned to BHEL stores.

2.11. STRIKES & LOCKOUTS:

2.11.1. The contractor will be fully responsible for the entire dispute and other issues connected with his labour. In the event of the contract labour resorting to strike or the contract resorting to lock-out and if the strike or lock-out declared is not settled within a period of one month, BHEL, shall have the right to get the erection work executed employing its won labour or through any agencies or both and the cost so incurred by BHEL be deducted from the contractor's bills.

2.11.2. For any purpose whatsoever the employees of the contractor shall not be deemed to be in the employment of BHEL.

2.12. FORCE MAJEURE:

2.12.1 The following shall amount to FORCE MAJEURE:

Act of God or of any Government, War, Sabotage, Riots, Civil commotion, Police action revolution, Flood, Fire, Cyclones, Earth quake and epidemic and other similar causes over which the contractor has no control.

2.12.2. If the contractor suffers delay in the due execution of the contractual obligation due to delays caused by FORCE MAJEURE as defined above, the agreed time of completion of the job covered by this contract or the obligation of contractor shall be extended by a period of time equal to the period of delay provided that on the occurrence of any such contingency the contractor immediately reports to BHEL in writing the causes of delay and the contractor shall not be eligible for any compensation.

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2.13. GUARANTEE:

Even though the work will be carried out under the supervision of BHEL Engineers the contractor will be responsible for the quality of the workmanship and shall guarantee the work done for a period of twelve months from the date of completion of work as certified by the Engineer for good workmanship and shall rectify free of cost all defects due to faulty erection, detected during the guarantee period starting from the date of the completion of rectification. In the event of the contractor failing to repair the defective works within the time specified by the Engineer, BHEL may proceed to undertake the repairs of such defective works at the contractor's risk and cost, without prejudice to any other rights and recover the same from Security Deposit/other dues or by other legal means.

2.14. ARBITRATION:

Except where otherwise provided for in the contract all questions and disputes relating to the meaning of the specifications, designs, drawings and instructions herein before mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in anyway arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the work or failure to execute the same whether arising during the progress of the work or after the completion or abandonment thereof shall be referred to the arbitrator nominated by the Unit Head of BHEL-Ranipet.

The cases referred to arbitration shall be other than those for which the decision of the Accepting Officer, or Engineer-in-charge as the case may be is expressed in the contract to be final and conclusive. There will be no objection if the arbitrator so appointed is an employee of BHEL and that he had to deal with the matters to which the contract relates and that in the course of his duties as such he had expressed views on all or any of the matters in dispute or difference.

The arbitrator to whom the matter is originally referred being transferred or vacating his office or being unable to act for any reason, such General Manager as aforesaid at the time of such transfer, vacation of office or inability to act shall appoint another person to act as an arbitrator in accordance with the terms of the contract. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.

Subject as aforesaid the provision of the Arbitration and Conciliation Act 1996 or any statutory modification or reenactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.

It is a term of the contract that the party involving arbitration shall specify the dispute or dispute to be referred to arbitration under this clause together with the amount or amounts claimed in respect of each such dispute.

The arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties fixing the date of first hearing.

The arbitrator shall give a separate award in respect of each dispute or difference referred to him.

The venue of arbitration shall be such place as may be fixed by the Arbitrator in his sole discretion. The award of the Arbitrator shall be final conclusive and binding on all parties to this contracts.

In the event of disputes or differences arising between one public sector and a Government Department or between two public sector enterprises the above stipulations shall not apply, the provisions of BPE Office memorandum No.BPE/CL/001/76 MAN/2(1.10)76-BPE(GM-1)dated 1st January 1976 or its amendments for arbitration shall be applied.

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CONTRACT AGREEMENT

AGREEMENT NO: BAP : ERN : BHE :

DATE:

Name of work :

Name of the contractor with full address :

Amount of tender accepted :

Letter of Intent No. :

Time allotted for completing the work :
 (date of completion)

(Officer authorized to sign the agreement)

CONTRACTOR

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ANNEXURE- "D" CONTRACT AGREEMENT

AGREEMENT No: BAP: ERN : BHE :

DATE:

1. This agreement made this day, the _____ of _____ between the Bharat Heavy Electricals Limited, Ranipet having its Registered Office at 'BHEL House', Siri Fort, New Delhi 110 049 (herein after called the FIRST PARTY) of one part and Messrs. (herein after called the ("CONTRACTOR")) of the SECOND PARTY.
2. WHEREAS the first party is desirous of executing the work of _____, more particularly described in the appendices including drawings and specifications attached herewith.
3. WHEREAS IN PURSUANCE of the said Contractor's Tender having been accepted, the first party has decided to give the above said work to Contractor, and WHEREAS the contract between the parties was concluded by virtue of a letter of intent issued by the First Party under reference _____ Dt. _____.
4. WHEREAS the said Contractor has agreed to do the aforesaid work of the first party subject to the conditions herein contained in the presents, instructions to bidders, general conditions and special conditions, schedules, appendices, letter of intent and specifications (hereinafter referred as the said contract schedule) at the approved rates (herein referred as the said contract rate).
5. AND WHEREAS the said contractor has furnished a Bank Guarantee for a sum of Rs. _____ Valid up to _____ towards initial 50% security Deposit and has further agreed for balance 50% Security Deposit being recovered at 10% of value of each running bill till the full Security Deposit is made up for the satisfactory completion and performance of the work and whereas the validity of the said Bank Guarantee has to be extended by the Contractor, if so required before for the balance period of contract period and in the event of his failure to do so, the contractor shall pay or accept recovery of this amount of Rs. (Rupees _____ only), from the bills forthwith in one installment and it has further been agreed that the failure to extend the validity of Bank Guarantee or failure to pay the aforesaid amount in the manner specified above shall constitute the breach of contract, and first party reserved the right to take easy legal action deemed fit for recovering the said sum of Rs. _____ (Rupees _____ only). This amount of Rs. _____ Will be refunded (and Bank Guarantee will be returned) to the Contractor on satisfactory completion of the work as specified in the Contract documents.
6. Now THESE PRESENTS WITNESS that in consideration of the said contract schedule and said contract rate as also of agreement of good and faithful services to be rendered and performed by the contractor in the execution of the said work, subject to the stipulation hereinafter expressed.
7. That the said contractor will perform the aforesaid work subject to the conditions contained in these presents, instructions to bidder, general and special conditions of contract and the contract documents attached herewith including the said schedules, specifications, appendices, letter of intent, drawings attached and also such other drawings and instructions as may from time to time be given by the first party. And that the said contractor shall be deemed to have carefully examined the specifications and conditions of contract, appendices, schedules, letter of intent, drawings etc., as aforesaid and also to have satisfied himself as to the nature and character of work to be executed.
8. That the said contractor shall carry out and complete the execution of the said work to the entire satisfaction of the Engineer within the agreed time schedule.
9. That the first party after proper scrutiny of the bills submitted by the said contractor will pay to him during progress of the said work, at said contract rates and agreed terms of payment, a sum as determined by the first party in respect of the work executed by the contractor.
10. That the contract shall come into force with retrospective effect from the date on which the letter accepting the tender (Letter of Intent) has been issued to the said contractor.
11. That whatever under this contract or otherwise, any sum of money shall be recoverable from or payable by the Contractor, the same may be deducted in the manner as set out in the conditions of contract as aforesaid.
12. That all charges on account of Octroi, terminal and sales-tax or other duties on materials obtained for the work shall be borne by the said contractor.
13. That is agreed between the parties that the non-exercise of any of the powers conferred on the authorities of the first party will not in any manner constitute waiver of the conditions thereto contained in these presents and the liability of the said contractor either of past or further compensation shall remain unaffected.
14. That the expression BHEL wherever occurring means THE BHARAT HEAVY ELECTRICALS LIMITED, RANIPET.
15. The contract is subject to RANIPET(TamilNadu) jurisdiction.
16. The document hereto attached viz. shall also form part of this agreement.
17. General Conditions of Contract attached to the Notice inviting tender shall form part of this contract in so far as any thing is not provided specifically in this agreement.
18. In witness hereof the parties have respectively set their signatures in the presence of :

WITNESSES:

(with full address)

1.

2.

Signature of the Contractor (to be signed by a Person holding valid power of Attorney of the Company)

Date:

WITNESSES:


(with full address)

1.

2.

For and on behalf Bharat Heavy Electricals Limited.

Date:

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ANNEXURE- "E"
PROFORMA FOR SECURITY DEPOSIT

THIS DEED OF GUARANTEE made this day of _____ by Messrs. _____ (hereinafter called the Bank) in favour of Messers. BHARAT HEAVY ELECTRICALS LIMITED, RANIPET having its Registered Office at New Delhi (hereinafter called the Principal)

WHEREAS Messrs. _____ (hereinafter called the Contractor) has entered in to a Contract with Bharat Heavy Electricals Ltd., Ranipet arising out of Letter of Intent No. _____ Dt. _____ addressed by the Principal to the Contractor (hereinafter called the said agreement) for

AND WHEREAS the said Agreement provides that the contractor shall pay a sum of Rs. _____ (Rupees _____ only) towards 50% of full Security Deposit to be made in the form and manner therein specified.

AND WHEREAS the Contractor have approached the Bank and at their request and in consideration of the agreement arrived at between the said contractor and the Bank, the Bank has agreed to give such guarantee as hereinafter mentioned to the Principal.

NOW, therefore, these present witness that we the Bank by the hand Mr. _____ its lawfully and duly constituted attorney, do hereby undertake to pay to the principal a sum of Rs. _____ (Rupees _____ only)

without demur on demand being made by the principal and to keep the principal indemnified to the extent of Rs. _____ by

virtue of this guarantee against any loss or damage caused to or suffered by the principal by reason of any breach by the aforesaid contract of any of the terms and or conditions, stipulations or undertakings of any one of them contained in the said Agreement and the tender documents attached thereto and for the payment of any money or moneys payable by the said contractor to the principal under the terms and conditions of the said Agreements (the decisions regarding the breach, loss damage or payment due being solely in the discretion of the Principal).

We further undertake to pay without demur the aforesaid amount in a lump sum on demand or such part thereof as the Principal may demand from time to time irrespective of the fact whether the said contractor admits or denies such claim or questions its correctness in any Court Tribunal or Arbitration Proceedings or before any authority. The aforesaid guarantee will remain in force and we shall be liable under the same irrespective of any concession or time being granted by the principal, to the Contractor in or fulfilling the said agreement between contractor and the principal and the guarantee will remain in full force irrespective of any change of terms, conditions or stipulation or any variation in the terms of the said agreement irrespective of whether notice of such change or variation is given to us or not and claim to receive such notice of any change/and or variation of the terms and or variation of the terms and or/conditions of the said agreement is hereby specifically waived by us. Further we shall not be release from this guarantee by any forbearance of the exercise or non-exercise of any of the powers or rights under the said agreement by the principal against the contractor irrespective of whether notice of such forbearance enforcement or non-enforcement of any powers or rights, modifications or change made in the said agreement or concessions shown to contractor by the principal is given to us or not.

The guarantee herein contained shall not be determined or affected by the liquidation or winding up or insolvency of or change in the constitution of the contractor but shall in all respects and for all purposes be binding and operative until all payments of all moneys due or that may hereafter become due to the principal in respect of any liability or obligations of the contractor under the said agreement.

We, the Bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the principal under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till the principal certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor and accordingly discharges the guarantee subject to however that the principal shall have no rights under this guarantee after the expiry of six months from the date of completion of the contract (the date of completion shall be as certified by the Principal) unless this guarantee is extended by agreement.

Any claim or dispute arising under the terms of this contract shall only be enforced or settled in the Court having jurisdiction over RANIPET (VELLORE Dist, Tamil Nadu)

And lastly the Bank undertakes not to revoke this guarantee during its currency except with the previous consent of the principal in writing.

The bank hereby declares that it has power to issue this guarantee under that Bank's Memorandum and Articles of Association and the undersigned has power to do so on its behalf under the power of Attorney granted to him by the proper Authorities of the Bank.

Date:

(Name of the Bank & Place)

Seal:

DESIGNATION OF THE AUTHORISED
PERSON SIGNING THE GUARANTEE



Ranipet

Bharat Heavy Electricals Limited
Boiler Auxiliaries Plant, Ranipet –632 406
ERECTION SERVICES DEPARTMENT

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ANNEXURE-“F”**NO DEMAND CERTIFICATE**

1) Name of work :

2) Agreement Date :

3) I/We certify that

- a) I/We have completed the above work to the entire satisfaction of BHEL.
- b) I/We have handed over all the balance materials, components, tools and tackles, machinery and other equipment of BHEL.
- c) I/We have received the final payment from BHEL for the above work.
- d) I/We have no further demand whatsoever from BHEL.

I/We, therefore request you to refund to me/us the security deposit of

Rs. _____.

(Rupees _____ only)

and the Bank guarantee No.: _____ dt. _____.

Rs. _____.

After deducting all cost of expenses or other amounts that are to be paid by me/us to BHEL under this contractor other contract entered into by me/us with BHEL.

**SIGNATURE OF THE
 CONTRACTOR WITH SEAL**

Place:

Date:

Witness 1)

2)

3)



Ranipet

Bharat Heavy Electricals Limited
Boiler Auxiliaries Plant, Ranipet –632 406
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SPECIAL CONDITIONS OF CONTRACT FOR MECHANICAL WORKS

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**ERECTION SERVICES DEPARTMENT
BHARAT HEAVY ELECTRICALS LIMITED
(A Government of India Undertaking)
BOILER AUXILIARIES PLANT
INDIRA GANDHI INDUSTRIAL COMPLEX
RANIPET – 632 406**


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SECTION-III

SPECIAL CONDITIONS OF THE CONTRACT FOR ERECTION & COMMISSIONING WORKS

- 3.1 RESPONSIBILITIES OF THE CONTRACTOR & SCOPE OF WORK
Dismantling, Erection, Testing and Commissioning for the Modification of Air Pre Heater (Size 27.5 VIMT 2000) Single sealing arrangement with Double sealing arrangement in Unit-X (1x250MW) of KTPS-V Stage, at TSGENCO, Kothagudem, Telangana, using contractor's own tools and plants, cranes, consumables, manpower etc. The **entire work must be carried out at no extra cost but within the rates quoted in the rate schedule**
- 3.1.1 The scope also includes laying insulation over APH & Duct wherever required in single / Double layers of wool mattress with GI / aluminum cladding matching and properly joining with the existing and undisturbed portion of insulation over APH & Duct as per specn., drgs & Instructions of BHEL.
- 3.1.2 The Detailed scope given in tender specification may also be referred which may have some changes during actual execution of the work for faster progress / As per site condition / convenience of work.
- 3.1.3 The tender shall be visit the site of work before quoting for this work and take note of the possible interference as well as for the movement of the Cranes / Derricks. Such interference of the existing structures piping, Ducting Etc.. if any, have to be removed and re-erected to the extent required at no extra cost. This removal and re-erection of the interference shall be carried out in consultation and prior approval of customer / BHEL authorities doing execution of work.
- 3.1.4 The work may to be carried out with very much restraint of space for movement of cranes / Derrick due to adjacent structures. The tenderer shall plan in such a way to place the Derrick of suitable height / crane of suitable capacity and boom length. Physical inspection of the site and acquaintance with site condition with ref. to all the interference problem and feasibility of the works is essential. No revision of rate shall be allowed at a later stage for not having adequate knowledge about the site condition.
- 3.1.5 Insulation Works: APH & Duct by welding of Studs/hooks with retainers, laying of Mineral Wool/LRB over the retainers, Sewing of Mattress, Fixing of TOP Retainers and Binding Wire over the wool, Fixing of GI/Aluminum Sheets over the Wool Mattress (Single/Double Layers). Using self tapping screws as per drg.
- 3.1.6 And application of Bituminous sealing compound for the vertical joints of the sheets. Attachment welder approved by BHEL/Customer, using NG Set and 2.5mm Dia Electrode, shall weld insulation hooks. While fixing the insulation, there shall not be any gap between two mattresses.
- 3.1.7 Separating line of two subsequent layer of insulation shall be staggered. Cutting shall not increase size of the holes of retainer plates. Adjacent pads of insulation shall be woven by binding wire. Cladding sheet shall be inserted in the slot of the holding channels provided at top & bottom. Sheets shall be secured with adequate number of screws. Any sheets//plates dismantled for renewing or fixing of insulation shall be re-fixed in proper way. Aluminum/GI Sheets shall be end grooved and Greased to obtain proper shape and strength, as per drawing of BHEL. The tenderer shall arrange to supply and application of two coats of Anti-corrosive paints on the inner-face of the cladding sheets before erection and required scaffolding to undertake the work at no extra cost.
- 3.1.8 All the tools which may be required during the execution of the job which are not explicitly mentioned in the tender are also to be arranged by the contractor.

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<p>3.2 PAYMENT TERMS:</p> <p>3.2.1 PAYMENTS FOR WORK COMPLETED:</p> <p>The Tenderer shall quote separate rates per metric tonne for each of the categories of work in the rate schedule appended. No eraser should be used and no overwriting is acceptable.</p> <p>The Contractor shall submit his running bills for erection work. The Contractor shall submit his running bills once in a month before end of each month.</p> <p>Subject to any deduction which BHEL may be authorized to make under the contract, the Contractor shall on the certificate of the Engineer at site, be entitled for payment as explained in the payment terms.</p> <p>3.2.2 Payment terms for the rate schedule A01 & A02 shall be as below.</p> <p>a) 90% of the rate quoted shall be paid after completion of erection, alignment and welding of the new components supplied for the APH. and handing over of the dismantled materials to scrap yard</p> <p>b) Balance 10% shall be paid only after 12 months from the date of commissioning of the APH</p> <p>3.3 RATE SCHEDULE</p> <p>3.3.1 The tenderer shall quote the Rate as per the 'RATE SCHEDULE' vide part II 'PRICE BID' Annexed. Conditional offers are liable to be rejected. The scope of work and the responsibility of the Contractor as mentioned under all the clauses etc., of the tender specification shall be covered within the quoted rates.</p> <p>3.3.2 'The rates quoted' in the tender are to be kept firm for entire period/extended period of the contract (if any) from the date of Letter of indent issued by BHEL, No escalation, on any account whatsoever will be accepted by BHEL.</p> <p>3.3.3 The total weight mentioned in the rate schedule is APPROXIMATE and is liable to vary later at the discretion of BHEL. No variation in quoted/accepted rates per Metric Tonne shall be allowed due to increase/decrease in total tonnage mentioned.</p> <p>3.3.4 The work executed will be priced at the unit rate quoted by the contractor and accepted by BHEL for the purpose of the payment. For the purpose of payment the gross weight indicated in RR/LWB/PWB/BL will be taken into account for calculating the tonnage handled.</p> <p>3.3.5 The distance if any indicated in the rate schedule are only approximate. However the tenderer should assess the various distances and site conditions by visiting the site before submitting their offer.</p> <p>3.3.6 The tenderer is also required to quote for all the "PROVISIONAL ITEMS" if any of the rate schedule as the same may be operated according to the site conditions and entirely at the discretion of BHEL during the execution of the contract.</p> <p>3.3.7 The tenderer is expected to fill up the 'RATE SCHEDULE' after satisfying all the terms and conditions stipulated in the TENDER SPECIFICATION.</p> <p>3.3.8 The scope of work under this contract is deemed to be completed only when so certified by the Site Engineer of BHEL.</p> <p>3.3.9 During the entire period of contract, the Contractor shall maintain proper progress, adequate manpower, requisite handling and transportation equipment's, tools and tackles and other consumables, to meet the scheduled programme as per the priority given by BHEL Site Engineer.</p>		

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SECTION-IV

4.1 SPECIAL REQUIREMENTS

- 4.1.1** The entire work of erection testing and commissioning shall be completed within the time specified in the time schedule.
- 4.1.2** The contractor has to indicate their ability in completing the contract in all respects shorter than the period mentioned in the time schedule.
- 4.1.3** As time is the essence of this contract, the contractor shall be able to mobilize his manpower round the clock for the entire period to complete the work within the stipulated time.
- 4.1.4** The contractor should be able to mobilize all the tools, plants and consumables necessary for three shifts operation to meet the requirements.

4.2 IMPORTANT GENERAL & SPECIAL CONDITIONS OF CONTRACT :

4.2.1 RETURN OF SECURITY DEPOSIT:


If the contractor fully performs and completes the work in all respects to the entire satisfaction of BHEL and their client and presents an absolute “No Demand Certificate” in the prescribed form and returns properties belonging to BHEL, handed over / lent to them for carrying out the said works, security deposit will be released to the contractor after deducting all the cost of expenses, if any, under other contracts entered in to with the contractor. It may be noted that in no case the security deposit shall be refunded /released prior to passing of the final bill.


4.2.2 IDLE LABOUR


If the contractor suffers delay in the due execution of the contractual obligation due to delays caused by FORCE MAJEURE conditions, the agreed time of completion of the contract shall be extended by a period of time equal to the period of delay provided that on the occurrence of any such contingency, the contractor immediately reports to BHEL in writing about the causes of delay. The contractor shall not be eligible for any other compensation.


4.3 RIGHTS OF BHEL IN CASE OF POOR PROGRESS OF WORK:


To get the work done through other agencies at the risk and cost of the contractor, in the event of contractor’s poor progress or inability to execute work, persistent disregard to instructions of BHEL, assignment transfer, subletting of contract without the permission of BHEL, non-fulfillment of any contractual obligation etc., and to recover compensation for such losses from the contractor including BHEL’s supervision charges and overheads from the security deposit / other dues.


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<u>SECTION-V</u>		
5.1 Scope of Contract	The intent of this specification is to provide services for execution of projects according to most modern and proven techniques and codes. The omission of specific reference to any method, equipment or material necessary for the proper and efficient services towards the work allotted shall not relieve the contractor of the responsibility of providing such services/facilities to complete the project or portion of project awarded to him. The quoted rate shall deem to be inclusive of all such contingencies.	
5.1.2	The contractor shall carry out the work in accordance with instructions/drawings/specification standard practices supplied by BHEL from time to time.	
5.1.3	Provision of all types of labour, supervisors, Stores staff, watch and ward as required, tools and tackles, consumables as specified under various clauses of Tender Specification for unloading, erection, testing and commissioning and dismantling of existing structures.	
5.1.4	Proper out turn as per BHEL plan and commitment.	
5.1.5	Completion of work in time.	
5.1.6	Good quality and accurate workmanship for proper performance of equipment.	
5.1.7	Repair and rectification.	
5.1.8	Re-conservation/preservation of all components.	
5.1.9	Comprehensive Reporting on the progress of the Work on daily basis, attending review meetings with BHEL to monitor and speed up the work and taking steps as directed to speed up the work/ improve the Quality and Safety of the Work.	
5.2	FACILITIES TO BE PROVIDED AND DEVELOPED BY THE TENDERER AT HIS COST	
5.2.1	It shall be the responsibility of the contractor to construct his own office shed, stores shed, labour tenements, with all facilities like electricity, water supply, sanitary arrangements in the area allotted to him for the purpose.	
5.2.2	Distribution of water for construction purposes and as well as drinking purpose from the single point provided by BHEL to various works fronts shall be the Contractor's responsibility and at his cost.	
5.2.3	Necessary meters for recording consumption of water and power for cost analysis purpose and maintenance of the same during execution period shall be Contractor's responsibility.	
5.2.4	Provision for distribution of electrical power from the given single central point to the required places with proper distribution boards, approved cable laying, including supply of all materials like cables, switch boards, pipes, etc., observing the safety rules laid down by the Electricity Authority of the State/BHEL/their customer shall be the responsibility of the tenderer /contractor.	
5.2.5	As there are bound to be interruptions in regular power supply, power cut/load shedding in any construction site due to inherent power shortage in State on this account, suitable extension of time only be given and contractor is not entitled for any compensation. Such interruptions should be intimated to BHEL by the contractor timely It shall be the responsibility of the contractor to have at least a few diesel operated welding generator sets to get urgent and important work done without interruption.	
5.2.6	Adequate lighting facilities such as flood lamps, 24V Safety lamps and area flood lighting shall be arranged by the Contractor at the site of constructions, pre-assembly area, Contractor's material storage area and at access roads etc., at his cost	


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<p>5.2.7 For the purpose of Planning, Contractor shall furnish along with tender, the estimated requirement of power (month wise) for execution of work in terms of maximum KW demand.</p> <p>5.2.8 On completion of work, all the temporary buildings, structures, pipelines, cables etc. shall be dismantled and leveled and debris shall be removed as per instruction of BHEL by the contractor at his cost. In the event of his failure to do so, the same will be arranged to be removed and expenditure therefore will be recovered from the Contractor. The decision of BHEL Engineer in this regard is final.</p> <p>5.2.9 The Contractor shall provide all materials required for scaffolding, form work and centering wherever necessary for erection should arrange at his cost.</p> <p>5.2.10 Depending upon the nature of work and availability of facilities locally, Contractor may have to arrange for a temporary work-shop for facilitating uninterrupted progress of work.</p> <p>5.2.11 The contractor shall secure and maintain comprehensive including third party insurance for appropriate amount to protect your and our interest against all risk and claims to the men/women or for labour force. If failure in securing the insurance policies in this regard shall not absolve you from reimbursing to us for any loss / damages / injuries or death to any person.</p> <p>5.2.12 The contractor shall be fully responsible for obtaining labour licence/approval if any, from State/Central/Local authorities at his own cost and risk.</p> <p>5.2.13 It is the responsibility of contractor to obtain approval from statutory authorities like pollution control board, Factory Inspectorate etc., if necessary.</p> <p>5.3 GASES</p> <p>5.3.1 All required gases like oxygen / Acetylene / LPG for the work shall be supplied by the Contractor at his cost. It shall be the responsibility of the Contractor to plan the activities and store sufficient quantity of these gases Non-availability of gases cannot be considered as reason for not attending the required progress.</p> <p>5.3.2 In case of improper arrangement of above gases, BHEL reserves the right to procure the same from any source and recover the cost from the Contractor's bill at market value plus BHEL departmental charges as may be fixed from time to time and postponement of recoveries is not permissible. The decision of BHEL Engineer in this regard is final and binding on the Contractor.</p> <p>5.3.2 BHEL reserves the right to reject the use of any gas in case the required purity is not maintained.</p> <p>5.3.3 The Contractor shall submit Weekly / fortnightly / monthly statements / reports regarding consumption of above gases for cost analysis programme.</p> <p>5.3.4 The Contractor shall ensure safekeeping of the inflammable cylinders at separate place away from normal habit with proper security etc.</p> <p>5.4 ELECTRODES</p> <p>5.4.1 All the electrodes required shall be arranged by Contractor at his cost. It shall be the responsibility of the Contractor to obtain prior approval of BHEL before procurement, regarding suppliers, type of electrodes etc. On receipt of the electrodes at site, it shall be subjected to inspection and approval of BHEL. The Contractor shall inform BHEL, the details regarding type of electrode, batch number, date of expiry etc.</p> <p>5.4.2 Storage of electrode shall be done in an air-conditioned / controlled humidity room as per requirement.</p> <p>5.4.3 Shortage of any of the electrodes for the equipment suggested by BHEL shall not be quoted as reason for deficiency in progress or for additional rate.</p> <p>5.4.4 BHEL reserves the right to reject the use of any electrodes at any stage, if found defective because of bad quality, improper storage, quality, date of expiry, unapproved type of electrodes etc. It shall be the responsibility of the Contractor to replace at his cost with out loss of time.</p>		

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5.5.1 All electrodes shall be dried in the electrodes drying oven to the temperature and period specified by BHEL Engineer before they are used for erection work. Electrode drying ovens shall be provided by the contractor.		
5.5.2 In case of improper arrangement for procurement of above electrodes, BHEL reserves the right to procure the same from any source and recover the cost from the Contractor's first subsequent bills at market value plus the departmental charges of BHEL communicated from time to time. Postponement of such recovery is not permitted.		
5.5.3 Contractor shall submit weekly / fortnightly / monthly statement / reports regarding consumption of electrodes of all types for cost analysis purpose.		
5.5 CRANE AND OTHER TOOLS AND TACKLES		
5.5.4 All the T&P including Cranes, trucks, Lorries, tractors, trailers etc required for the satisfactory execution of work shall be arranged by the Contractor. BHEL will not arrange any Tools and Plants.		
5.5.5 All the T&P arranged by the Contractor including electrical connection wherein required shall be reliable / proven tested with necessary test certificate.		
5.5.6 All the T&P, lifting tackles including wire ropes, slings, shackles and electrically operated equipment's arranged by Contractor shall be got approved by BHEL Engineer before they are actually put on use.		
5.5.7 Civil works required for safe and efficient operation of tools and tackles shall be the Contractor's responsibility.		
5.5.8 Contractor shall take into consideration the above clauses and quote the rates as called for in the rare Schedule.		
5.6 SUPERVISORY STAFF AND WORKMEN		
5.6.1 The Contractor shall supply all skilled workmen like welders, gas cutters, riggers, erectors, carpenters, fitters, electricians etc., in addition to other skilled, semi-skilled, unskilled workmen required for all the works of receipt, material handling, transportation, erection, testing and commissioning & dismantling contemplated under this specification. Only fully trained and competent men with previous experience in the job shall be employed. They shall hold certificates wherever necessary. BHEL reserves the right to decide on the suitability of the workers and other personnel who will be employed by the contractor. BHEL reserves the right to insist or removal of any employee of the Contractor shall for with remove him		
5.6.2 The supervisory staff employed by the Contractor shall ensure proper out-turn of work and discipline on the part of the labour put on the job by Contractor and in general see that the works are carried out in a safe and proper manner and in co-ordination with other labour and staff employed directly by BHEL or other contractors of BHEL or BHEL'S client.		
5.6.3 The contractor shall also furnish daily labour report showing by classification the number of employees engaged in various categories of work and a progress report of work as required by BHEL Engineer.		
5.6.4 The work shall be executed under the usual conditions affecting major power plant constructions and in conjunction with numerous other operations at site. The Contractor and his personnel shall co-operate with other personnel and proceed in a manner that shall not delay or hinder the progress of work as a whole.		
5.6.5 The Contractor's supervisory staff shall execute the work in the most substantial and work man like manner in the stipulated time Accuracy of work and aesthetic finish are essential part of this contract. The contractor shall be responsible to ensure that assembly and workmanship confirm to the dimensions and tolerances given in the drawings/instructions given by BHEL Engineers, from time to time.		

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<p>5.6.6 The Contractor shall employ the necessary number of qualified and approved full time electricians at his cost to maintain his temporary electrical installation till the completion of work.</p> <p>5.6.7 It is the responsibility of the Contractor to engage his workmen in shifts or on over time basis for achieving the target set by BHEL and also during the period of commissioning and testing The Contractor's quoted rate shall include all these contingencies.</p> <p>5.6.8 In case Contractor's progress is found unsatisfactory BHEL may deploy fitters, welders, operators and technicians on BHEL rates and will assist in improving the progress. All expenses incurred for will be recovered from Contractor's bill.</p> <p>5.6.9 If the Contractor or his workmen or employees shall break, deface, injure or destroy any part of building, road kerb, fence, enclosure, water pipes, cables, drains, electric or telephone posts or wires, trees or any other property or to any part of erected components etc., the Contractor shall make the same good at his own expense or in default, BHEL may cause the same to be made good by other workmen or by other means and deduct the expenses (of which BHEL'S decision is final) from any money due from the Contractor.</p> <p>5.7 Deleted</p> <p>5.8 Scope of material handling</p> <p>5.8.1 While BHEL will endeavor to store/stack/identify materials properly in their open/closed storage yard/shed, it shall be Contractor's responsibility to assist BHEL in identifying materials well in time for erection, taking delivery of the same, following the procedure indicated by BHEL and transport the materials safely to pre-assembly yard, erection site in time, according to programme.</p> <p>5.8.2 The Contractor shall identify necessary supervisor/labour for the above work in sufficient quantity as may be needed by BHEL for areas covering their scope.</p> <p>5.8.3 It shall be the Contractor's responsibility to arrange for necessary crane/tractor/trailer or trucks/slings/tools and tackles /labour/including operators for loading from storage yard on to transport equipment, move it to erection site/pre-assembly yard and unload the same at pre-assembly yard/erection site and to erect the APH and the quoted rate shall include the same. Tenderers may please note that the storage yards are at an approximate distance of 5.0.km from erection site.</p> <p>5.8.4 All equipment's so used by Contractor shall be of proven quality and safe in operation as approved by BHEL Site Engineer's from time to time.</p> <p>5.8.5 Any loss/damage to materials issued to Contractor shall be made good by him or BHEL will arrange for replacement at cost recovery basis and decision of BHEL shall be final.</p> <p>5.8.6 The Contractor shall take delivery of components and equipment and special consumables from storage area after getting the approval of BHEL Engineer on standard indent forms.</p> <p>5.8.7 In the event of Contractor's inability to arrange in time any of the above equipment/T&P etc., if possible BHEL shall provide the same on specific written request from the Contractor subject to the availability of equipment on the normal hire charges of BHEL, applicable from time to time and recoverable from Contractor's subsequent month's running bills.</p> <p>5.8.8 All the surplus, damaged unused materials, package materials/containers, special transporting frames, gunny bags etc. supplied by BHEL shall be returned to BHEL Stores by the Contractor.</p> <p>5.8.9 The Contractor shall have total responsibility for all equipment and materials in his custody, stores, loose, semi-assembled, assembled or erected by him at Site.</p> <p>5.8.10 The Contractor shall make suitable security arrangements (round the clock) including employment of security personnel to ensure the protection of all materials/equipment's and works from theft fire, pilferage and any other damage and loss at Site.</p>		

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<p>5.8.11 The Contractor shall ensure that all the packing materials and protection devices used for the various equipment's during transit and storage are removed before these equipment's are installed.</p> <p>5.8.12 All equipment's shall be handled very carefully to prevent any damage or loss. No bars, wire ropes, slings etc., shall be used for unloading and/or handling of the equipment's without the specific written permission of the Engineer. The equipment from the storage yard shall be moved to the actual site of erection/location at the appropriate time as per the direction of BHEL Engineer so as to avoid damage for such equipment at Site.</p> <p>5.8.13 The Contractor shall take all reasonable care to protect the materials and work till such time the erected equipment has been taken-over by BHEL/their client. Whenever necessary suitable temporary fencing and lighting shall have to be provided by the Contractor as a safety measure against accident and damage of property of BHEL, suitable caution notices shall be displayed where access to any part may be deemed to be unsafe and hazardous.</p> <p>5.8.14 The Contractor shall be responsible for taking all safety precautions during the constructions and leaving the site safe at the end of each working day and at all times. When the work is temporarily suspended, he shall protect all construction materials, equipment's and facilities from causing damage to existing property interfering with the operation of the station when it goes into service. The contractor shall comply with all applicable provisions of the safety regulations, clean-up programme and other precautionary measures, which the BHEL has in effect at the Site.</p> <p>5.8.15 All lifting tackles including wire ropes, slings, shackles etc., used by the Contractor shall be got approved by BHEL Engineer at Site before they are actually put on the work.</p> <p>5.8.16 The Contractor shall take delivery of equipment from storage yard/stores/sheds. He shall also make arrangements for verification of equipment, scrupulously maintain records and keep safe custody, watch and ward of equipment after it has been handed over to him till these are fully erected and tested and commissioned and taken over by BHEL's client. The stolen/lost/damaged good shall have to be made good by the contractor at his own cost.</p> <p>5.9 Preservation of Components</p> <p>5.9.1 In order to maintain the surfaces of various components from rusting etc., frequent painting/re-painting of material at storage yard has to be carried out. While BHEL will arrange for supply of paint/thinner etc., it shall be responsibility of Tenderer/Contractor to provide sufficient number of unskilled category of labour for carrying out the preservative painting. The number of labour to be supplied will depend on the quantum of work awarded.</p> <p>5.9.2 The above-referred labour will be given by the Contractor right through the contract period without fail and any failure on their part will entail in reduction of the value of their running bills.</p> <p>5.9.3 It shall be the responsibility of the Contractor to apply preservative painting on equipment's erected by him till such time of final painting. All paints and thinner will be supplied by CONTRACTOR and it shall be Contractor's responsibility to arrange for required labour, scaffolding materials, providing of scaffoldings, supply of cleaning materials like wire brush, emery sheets, etc., cleaning of surface and provide one coat of preservative painting from time to time as decided by BHEL Engineer. The quoted rate shall include this work also. It is to be noted that such painting may have to be done twice a year till such time the final painting is carried out.</p> <p>5.9.4 The Contractor shall effectively protect the finished work from action of weather and from damage or defacement and shall cover the finished parts then and there for their protection.</p> <p>5.9.5 Any failure on the part of the Contractor to carry out works according to above clauses will entail BHEL to carry out the job from any other party and recover the cost from the Contractor.</p>		

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<p>5.10 DRAWING AND DOCUMENTS:</p> <p>5.10.1 The detailed drawings, specifications, available with BHEL Engineers will form part of this Tender Specification These documents will be made available to the Contractor during execution of work at site.</p> <p>5.10.2 One set of necessary drawings to carry out the erection work will be furnished to the Contractor by BHEL on loan, which shall be returned to BHEL Engineer at Site after completion of work. Contractor's personnel shall take care of these documents given to them.</p> <p>5.10.3 Should any error ambiguity be found in the specification or information, the Contractor shall for with bring the same to the notice of BHEL before commencement of work BHEL's interpretation in such cases shall be final and binding on the Contractor.</p> <p>5.10.4 The data furnished in various appendices and the drawings enclosed with this tender specification describes the equipment to be installed, tested and commissioned under this specification briefly. However, the changes in the design and in the quality may be expected to occur as is usual in any such large scales of work.</p> <p>5.10.5 Deviation from design dimensions should not exceed permissible limit. The Contractor shall not correct or alter any dimension/details, without specific approval of BHEL.</p> <p>5.11 SITE CLEANLINESS AND SAFETY REQUIREMENTS:</p> <p>5.11.1 During the course of construction, alternation or repairs, scrap lumber with protruding nails, sharp edges etc., and all other debris shall be kept cleared from working areas, passageways and stairs in and around Site. Proper housekeeping is the responsibility of the Contractor.</p> <p>5.11.2 Combustible scrap and debris shall be removed at regular intervals during the course of construction. Safe means shall be provided by the Contractor to facilitate such removal. If this is not done regularly, BHEL will get the job done and debit the cost to Contractor.</p> <p>5.11.3 Rigging equipments for material handling shall be inspected prior to use of each shift and as necessary during its use to ensure that it is safe. Defective rigging equipment shall be removed from service. Necessary test certificates have to be provided by the Contractor for the rigging and handling equipments brought by them. Otherwise this will be got to be done by BHEL and the cost will be debited to Contractor.</p> <p>5.11.4 Rigging equipment shall not be loaded in excess of its recommended safe working load.</p> <p>5.11.5 Rigging equipment when not in use shall be removed from the immediate work area so as not to present a hazard to employees.</p> <p>5.11.6 The Contractor will notify the Engineer his intention to bring on to site any equipment or any container with liquid or gaseous fuel or other substance which may create a hazard. The Engineer shall have the right to prescribe the conditions under which such equipment or container may be handled and used during the performance of the works and the Contractor shall strictly adhere to such instructions. BHEL Engineers shall have the right to inspect any construction plant and to forbid its use, if in his opinion it is unsafe. No claim due to such prohibition shall be entertained.</p> <p>5.11.7 Where it necessary to provide and/or store petroleum products or petroleum mixture and explosives, the Contractor shall be responsible for carrying out such provision and/or storage in accordance with the rules and regulations laid down in the relevant petroleum Act., Explosive Act and Petroleum and Carbide of Calcium Manual, published by the Chief Inspectorate of Explosives of India. All such storage shall have prior approvals of BHEL Engineer. In case any approvals are necessary from the Chief Inspector of Explosives of any other statutory Authorities, the Contractor shall be responsible for obtaining the same.</p> <p>5.11.8 Valve protection caps shall be in place and secured.</p> <p>5.11.9 Cylinders shall be moved by tilting and rolling them on their bottom edges. They shall not be intentionally dropped, struck or permitted to strike each other violently.</p> <p>5.11.10 When cylinders are transported by powered vehicles, they shall be secured in vertical position.</p> <p>5.11.11 All the hand lamps used by the contractors workmen shall be of 24V only. Adequate step down transformers should be installed at site to cater to the complete requirement. (230V hand lamps should not be used).</p>		

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<p>5.11.12 All workmen of the Contractor working in construction areas shall wear safety shoes, safety helmets, & safety belt (with double harness - when working at heights). Contractor shall insure his workmen against all accidents, and the policy shall be presented to BHEL. In case of failure to do so BHEL will arrange the same and the expenditure towards this will be debited to the Contractor including BHEL overheads. In case the Contractor fails to provide necessary safety equipment's to workmen, BHEL will provide the same to the workers and recover the cost of equipment along with BHEL overheads.</p> <p>5.11.13 All the above safety conditions are not exhaustive but gives an idea for the Contractor and the Contractor shall adhere to all the safety precautions given by the BHEL Engineer at Site. Such of those workmen who do not follow safety precautions shall be turned out from Site. They will not be allowed to work until they fulfill safety regulations.</p> <p>5.11.14 Contractor shall arrange at his cost suitable flood lighting arrangement at various levels for safe and proper working operations during night hours at the work spot as well as at the pre-assembly area.</p> <p>5.11.15 The Contractor shall be responsible for provision of all the safety notices and safety equipment's as enjoined on him by the application of relevant statutory regulations/provisions and/or as called upon by the BHEL Engineer and their client from time to time.</p> <p>5.11.16 The Contractor shall provide temporary fencing wherever required as a safety measure against accident and damage to properties. Suitable caution notices shall be displayed where access to any part is found to be unsafe and hazardous.</p> <p>5.11.17 The Contractor shall ensure the safety of all the workmen, material and equipment's either belonging to him or to others working at site.</p> <p>5.11.18 It will be the responsibility of the Contractor to ensure safe lifting of the equipment's, taking due precaution to avoid any accidents and damages to other equipment's and personnel.</p> <p>5.11.19 The Contractor shall provide necessary first aid facilities for all his employees, representatives and workmen working at Site.</p> <p>5.11.20 All the Contractor's Supervisory personnel and sufficient number of workers shall be trained for firefighting and shall be assigned specific fire protection duties. Enough number of such trained personnel must be available during the tenure of the Contract. Contractor should nominate one of his supervisors to co-ordinate and for implementation of safety measure.</p> <p>5.11.21 Contractor shall provide enough firefighting equipment of the types and numbers at his office, temporary structures, labour colony area etc. Access to such firefighting equipment shall be easy and kept open at all times. Compliance of the above requirement under fire protection shall in no way relieve the Contractor of any of his responsibilities and liabilities to fire accident occurring.</p> <p>5.11.22 The Contractor shall at his cost remove from the vicinity of work, all scrap packing materials rubbish unused and other materials and deposit them in places specified by BHEL engineer to keep the work Site clean and tidy.</p> <p>5.11.23 For this purpose the mechanical completion of erection work shall be deemed to be completed in all respects only when the trial runs of motors and gas tightness tests are completed and certified so by BHEL Engineer. The decision of BHEL in this respect shall be final and binding on the contractor.</p> <p>5.11.24 The commissioning of the unit shall be deemed to be completed in all respects only when all the equipment's are tested and commissioned and the Unit is ready for commercial operation.</p> <p>5.11.25 PRICE ESCALATION:</p> <p>5.11.26 The Contractor has to keep his quoted rates firm for the entire contractual period including total extended period, if any, and no claim for revision of rates is allowed under any circumstances.</p> <p>5.11.27 However, the Contractor shall maintain sufficient work force and other resources required for completion of the job expeditiously for the entire contractual period including total extended period.</p> <p>5.11.28 In case due to unforeseen circumstances and due to reasons not attributable to the Contractor, the work gets delayed and completion time gets extended as per Bar Chart from the date of actual start of work at Site, the Contractor shall not be entitled for any overrun compensation for a period of first 3 months after the Contractual completion date. However, the contractor shall be paid over run charges for extension in the completion period beyond 3 months as stated above and for reasons not attributable to the Contractor. This shall be mutually discussed and settled at that time.</p>		

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SECTION - VI

6.0 EXTRA CHARGES FOR MODIFICATION AND RECTIFICATION WORKS:

- 6.1 BHEL may consider payment for extra work on man hour basis for such of those works which require major modification which is totally unusual to the APH Erection & commissioning work which are not due to contractor's faulty erection.
- 6.2 The decision of BHEL in this regard shall be final and binding on the contractor. The contractor may submit his work claim bills (specifically agreed by BHEL Engineer) along with the labour sheets duly certified by BHEL Engineer at site. But BHEL may opt to get those work done through other agencies if they so desire
- 6.3 All the extra works, if any, carried out should be done by a separate gang which should be identified prior to start of work for certification of man hours. Daily labour sheets should be maintained and should be signed by the contractor representative and BHEL Engineer. Signing of labour sheets does not mean the acceptance of extra works. Only those works which are identified as not usual to normal erection & Commissioning and certified so by the site in-charge of BHEL and accepted by designers,/ suppliers, competent authorities only will be considered for payment.
- 6.4 Average single man-hour rate including overtime if any, supervision, use of tools and tackles and other site expenses and incidentals, **including consumables, if any required**, for carrying out any rework / rectification that may arise during the course of revamping shall be **Rs. 60/- per man hour**.
- 6.5 The decision of BHEL in this regard shall be final and binding of the contractor.
- 6.6 Extra works are broadly defined as below:
- a) Design changes which will be intimated to the contractor after the start of the work which call for dismantling of the erected components, rectification, modification, etc.
 - b) Repair / rectification of the components damaged during transit and intimated to BHEL before drawing the materials from BHEL stores.
 - c) Modification, rectification of components wrongly manufactured/fabricated at works subject to acceptance of the approving authority. Any such modification work costing less than 48 Man Hours per work of a DU shall be considered as incidental to erection and shall not be considered for payment.

Jobs which require major modification, major repair, major reworks etc. (Not normal to the APH E&C) which will be identified as major and warrant extra payment, certified as such by the Site-in-Charge of BHEL and accepted by the designers/competent authority of BHEL. However, prior to carry out to repair/rework, administrative approval with the estimate to be obtained by site. Any work costing less than 48 man Hours of works of DU shall not be considered for payment. The decision of BHEL in this regard shall be final and binding on the contractor.

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SECTION – VII

7 OVER-RUN COMPENSATION (ORC) :


~~7.1 In case due to reasons not attributable to the contractor, the work gets delayed and the completion gets extended beyond the contract completion date by more than the grace period of 3 months, the contractor shall be paid Over Run Compensation for every month of extended period so determined by BHEL beyond the contract completion date (and the grace period) indicated in this specification.~~

~~7.2 ORC will be paid only at the end of the contract period, including extension/s of period if any, after ascertaining the actual period of eligibility of delay as aforesaid. For this purpose, the contractor shall submit details of factors with time estimates which accounted for the delay in work completion.~~

~~7.3 All decisions of BHEL in this regard shall be final and binding on the contractor. The period to be considered for ORC shall not include loss of time due to Force-majeure conditions explained in this tender.~~

~~7.4 The ORC shall be paid by BHEL only after completion of all works within the scope of the works awarded to the tenderer. Hence, it is obligatory on the part of the tenderer to complete the works during extended period also.~~

~~7.5 This supplements the clause 5.12 of Special conditions of Contract for Mechanical works -V enclosed along with this tender specification.~~

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Section-VIII-SPECIAL CONDITIONS OF CONTRACT on Reverse Auction

Against this enquiry for the subject item/system with detailed scope of work as per enquiry specifications, BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) for this tender. RA shall be conducted among all the techno-commercially qualified bidders.

Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders in RA. In case any bidder(s) does not participate in online Reverse Auction, their online price bid along with applicable loading, if any, shall be considered for ranking.

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.

(i) English Reverse (No ties) is a type of auction where the starting price and bid decrement are announced before start of online reverse auction. The interested bidders can thereupon start bidding in an iterative process wherein the lowest bidder at any given moment can be displaced by an even lower bid of a competing bidder, within a given time frame. The bidding is with reference to the current lowest bid in the reverse auction. All bidders will see the current lowest quoted price and their rank. The term 'No ties' is used since more than one bidder cannot give an identical price, at a given instant, during the reverse auction. In other words, there shall never be a tie in the bids.

(ii) Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/contractors (as available on www.bhel.com).

(iii) BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.

(iv) In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.

(v) Business rules like event date, time, bid decrement, extensions etc. also will be communicated through service provider for compliance.

(vi) Bidders have to submit the 'Process compliance form' from before start of Reverse auction. Without this, the bidder will not be eligible to participate in the event.

(vii) In line with NIT terms, if necessary BHEL will provide the calculation sheet (e.g. EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes and Duties, Freight charges, insurance as per norms and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for items specified and GST extra, for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.

(viii) Reverse auction will be conducted on a scheduled date & time.

(ix) At the end of Reverse Auction event, the lowest bid value will be known on auction portal.

(x) Successful bidder shall be required to submit the final prices (L1) in BHEL prescribed format for price breakup including that of line items, if required, quoted during the Online Reverse Auction, duly signed and stamped as token of acceptance without any new condition (other than those already agreed to before start of auction), after the completion of auction to M/s. {Service provider} besides BHEL within two working days of Auction without fail.

(xi) In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice.

(xii) Bidders shall be required to read the "Terms and Conditions" section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the 'Business Rules' indicating details of RA event carefully, provided by the Service provider, before reverse auction event.

(xiii) Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines for suspension of business dealings (as available on www.bhel.com), shall be initiated by BHEL.



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APPENDIX - I

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**LIST OF MAJOR TOOLS & TACKLES TO BE ARRANGED / DEPLOYED BY CONTRACTOR
BEFORE COMMENCEMENT OF WORKS**

This is only an indicative list of minimum quantities to be deployed at site. All the tools & tackles, equipment etc. that are required for completion of the work within the scheduled time period shall be arranged by the contractor. All safety equipment required for this work shall be arranged by the contractor. All safety regulations of BHEL/their client M/s.KTPS-V must be followed by the contractor during the erection works

SI No	Description	Minimum Quantity to be deployed at site
1	Telescopic Crane of suitable capacity	1 No.
2	Mobile crane (Minimum 12 MT capacity)	2 Nos.
3	Power winches of required capacities 3MT / 5MT	06 Nos.+ 02 Nos
4	Lorry / Tractor / Trailers 10 MT Cap	2 Nos.
5	Welding Generator / Rectifier	12 Nos.
6	Portable Grinding Machines of Assorted Sizes/ Types	10 Nos.
7	Portable Electrode Drying oven	06 Nos..
8	Welding Cable	300 Mtr
9	Gas Cutting Set	12 Sets
10	Chain Pulley Blocks 3MT/5MT cap	25 Nos./10 Nos.
11	Lifting Tackles of assorted sizes	As per requirement
12	Pulling Machines / Hook Chooks	6 Nos.
13	24 volt Transformer	02 Nos.
14	24V Lamps with cable and plug tops	10 Nos.
15	Power distribution Board	02 sets.
16	Switch board with extension wire	06 Nos.
17	Flood light fittings.	12 Nos.
18	Torque Wrench with Torque Multifier	01 No. each (35 Kg.M / 65 Kg.M)
19	Slogging Spanners 52 mm & 54 mm	4 Nos. each
20	Digital distance measuring instrument (Laser based)	01 No.
21	Digital level measuring instrument 0.02 mm LC	01 No.
22	Vernier Calipers 0-150 M 0-300 M 0-600 M	2 Nos. 2 Nos. 1 Nos.
23	Inside Micrometer up to 600 mm	1 No.
24	Outside Micrometer up to 600 mm range	1 No.
25	Measuring Tape up to 15 M length	4 Nos.
26	Dial Guages	3 Nos.
27	Grinding Machine AG-7 & GQ 4	8 Nos. / 4 Nos.
28	Diesel Grinders	2 Nos.
29	Tap set M 30 x 3,	1Set
30	Filler Guage (Loose) 200 mm Long	4 Nos.



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APPENDIX - II

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CONSUMABLES TO BE ARRANGED //DEPLOYED BY CONTRCTOR FOR EXCUTION OF WORK

(This is only indicative and not exhaustive))

01. Kerosene / Diesel
02. Rustolene
03. CTC
04. Waste Cloth / Cotton
05. Marking Cloth
06. Cut-off wheels / Grinding Wheels
07. Mounted Wheels / Rotor Cutters
08. Insulation Tapes
09. Sander Disc and wheels
10. Polythene sheets
11. Electric fuse wise cables
12. Cutting Electrode
13. Welding Electrodes E-6013/E7018/E-8018
14. DA and Oxygen Gases
15. Paints for preservative painting



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APPENDIX – III

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QUALITY REQUIREMENT

- 1.0 Various inspection / control / quality assurance procedure / methods at various stages will be as per BHEL / customer quality control procedure / FQP / ERECTION MANUAL / codes and other statutory provisions and as per BHEL Engineer's instructions.
- 2.0 Preparation of quality assurance log sheets and protocols with customer's engineers. Welding logs, other quality control and quality assurance documentation as per BHEL Engineer's instructions, is within the scope of work / specification.
- 3.0 A daily log book should be maintained by Area In-Charge of contractor on the job incorporating erection / alignment / Welding clearance / NDT testing / progress of work etc., and the same shall be submitted to BHEL.
- 4.0 All the important measurements like pre-assembly checking of alignment leveling / centering work etc., shall be recorded in the daily log book with sketches based on BHEL drawings readings / measurements actually taken and signed by BHEL / Customer / Contractor representatives.
- 5.0 The inspection / measuring and testing equipments should be of brand, quality and accuracy, as specified by BHEL engineer and should have valid calibration certificates traceable to national / international standards.

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STATUTORY REQUIREMENT

OF

CONTRACT


(FORMATS & PROCEDURES)

ES: F: 009



R 05- 275

ERECTION SERVICES DEPARTMENT
BHARAT HEAVY ELECTRICALS LIMITED
(A Government of India Undertaking)
BOILER AUXILIARIES PLANT
INDIRA GANDHI INDUSTRIAL COMPLEX
RANIPET – 632 406

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CHECK LIST

Bidders are required to fill in the following details:

1.a	Name of the Bidder With address, Phone No., Mobile No., Fax and e-mail.	
1.b	Nature of Firm (Whether Proprietary, Partnership, Pvt. Ltd, Others-Specify)	
2	Whether EMD submitted as per tender Specification Terms and conditions	Yes / No
3	Validity of offer (offer shall be kept valid for acceptance for a period of minimum 6 months)	Yes / No
4	Whether Bidder visited the erection Site and acquainted with Site Conditions before quoting	Yes / No
5	Whether the following details are furnished.	
5.a	Previous Experience – Photocopies as in QR Annexure-B-I & B-II	Yes / No
5.b	Present assignments	Yes / No
5.c	Organization chart of the Company Annexure-C	Yes / No
5.d	Financial status of the Company Annexure-A	Yes / No
5.e	In case of Company, proof of registration of the Company	Yes / No
5.f	Memorandum and Articles of Association of Company / copy of Partnership Deed.	Yes / No
5.g	Profit and Loss Account For the last three Years	Yes / No
5.h	Balance sheet for the last three years	Yes / No
5.i	Income Tax clearance Certificates	Yes / No
5.j	Solvency Certificate from a Nationalized Bank	Yes / No
5.k	Power of Attorney of the person signing the tender duly attested by a Notary Public	Yes / No
5.l	Names and addresses of Directors, Partners their Experience and qualification	Yes / No
5.m	Manpower Organization chart and Tools list with deployment plan at Site for satisfactory completion of work under this specification	Yes / No
5.n	EPF Registration No. (with a copy of certificate)	
5.o	Service Tax Registration No.(with copy of certificate)	
5.p	E- payment acceptance as per appendix.	Yes / No
5.q	Rate schedule as per the schedule appended	Yes / No
6	Whether the Bidder is conversant with local labour laws and conditions	Yes / No
7	Whether the Bidder is aware of all safety Rules and codes.	Yes / No
8	Whether the declaration sheet (as per appendix enclosed) filled	Yes / No
9	Whether the erection schedule (as per appendix enclosed) furnished	Yes / No
10	Whether all the pages are read, understood and signed	Yes / No

SIGNATURE OF BIDDER

NOTE: The Bidders are requested to peruse the Tender Specification terms and conditions carefully and furnish the above information also in detail as required.

 Ranipet	Bharat Heavy Electricals Limited Boiler Auxiliaries Plant, Ranipet –632 406 ERECTION SERVICES DEPARTMENT	STATUTORY REQUIREMENT OF CONTRACT ES: F: 009
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OFFER OF THE BIDDER
(FORMAT - To be typed written in LETTER HEAD and submitted along with offer)

To

**THE ADDITIONAL GENERAL MANAGER,
ERECTION SERVICES DEPARTMENT,
BHARAT HEAVY ELECTRICALS LIMITED,
BOILER AUXILIARIES PLANT,
RANIPET – 632 406.**

Phone No.:04172 - 241171 / 284973

E- mail : plramana@bhel.in

Sir,

I / We hereby offer to carry out the work detailed in the Tender Specification No. **97972023363** **Date: 03.01.2024** issued by M/s. Bharat Heavy Electricals Limited, Boiler Auxiliaries Plant, Ranipet in accordance with the terms and conditions thereof:

I/ we have carefully pursued the following documents connected with the above work and agree to abide by the same. We herewith confirm that we have visited the site of work KTPS, Kothagudem.

- General terms and conditions of work (ES: F:010)
- Statutory requirement of Contract (ES: F:009)
- Special conditions of Contract for APH Modification works (BAP:ERN:SPN:MECH:APH:01)
- Tender Specification no. 97972023363
- Special Instructions to Bidder
- Other sections, appendices, annexure, schedules and drawing.

I/We have deposited / forwarded herewith the Earnest Money Deposit in the form prescribed and as stipulated in Clause No.1.4. of the General Conditions of Contract for Works towards the Earnest Money Deposit for a sum of **Rs. -----/- (----- only)**

vide Pay Order No.....Dt..... 2020 /
Demand Draft No..... dt..... 2020 which shall be refunded
should our offer not be accepted. Should our offer be accepted, I/We further agree to deposit such additional sum, within the stipulated time as may be indicated by BHEL, which along with the sum of **Rs.**

(Rupees _____ only)


shall make up the Security Deposit for the work as provided for in clause 1.8.2 of the General Conditions of Contract for Works.

I/We further agree to execute all the works referred to in the said documents upon the terms and conditions contained or referred to therein and as indicated in the Annexure enclosed thereto.

SIGNATURE OF BIDDER:		
Place:		ADDRESS:
Date:		

WITNESSES WITH FULL ADDRESS

	SIGNATURE	NAME	ADDRESS
1			
2			
3			

 Ranipet	Bharat Heavy Electricals Limited Boiler Auxiliaries Plant, Ranipet –632 406 ERECTION SERVICES DEPARTMENT	STATUTORY REQUIREMENT OF CONTRACT ES: F: 009	
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APPENDIX – II (To be filled by Tenderer and submitted along with Tender document)			
Sl. No.	PARTICULARS	YES	NO
01	GST		
a.	GST Registration No. of Tenderer (copy to be enclosed)		
b.	Issue of Tax Invoice as per GST Rules		
c.	Whether Tenderer is taking GST Credit for their Inputs		
d.	Under which Service Head is Service provided (SAC Code)		
e.	If GST is Exempted , furnish reasons		
f.	GST to indicate in your invoice: 36AAACB4146P4ZD		
02	INCOME TAX		
a.	PAN No. of Tenderer		
b.	If Exempted , furnish exemption Certificate		
c.	PAN No. of BHEL : AAACB/4146/P		
	NOTE :		
	1. Rates Quoted shall be clearly indicated that they are INCLUSIVE of all Taxes & Duties except GST. The Contractor has to issue invoice accordingly. Also refer clause 15.0 of Tender specification regarding Taxes & Duties		
	2. Payment will be made only through e-payment to your account. Payment through Cheese / DD payment will not be made by BHEL.		
Tenderer has to submit Banker's Certificate as per format specified in APPENDIX- IV.			
Agreed to the Above Conditions			
Signature of the Tenderer :			

 Ranipet	Bharat Heavy Electricals Limited Boiler Auxiliaries Plant, Ranipet –632 406 ERECTION SERVICES DEPARTMENT	STATUTORY REQUIREMENT OF CONTRACT ES: F: 009
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APPENDIX - III
ACCEPTANCE FOR ELECTRONIC FUND TRANSFER / RTGS TRANSFER

01	NAME & ADDRESS OF THE SUPPLIER / VENDOR																
	MOBILE, PHONE NO. WITH STD CODE																
	PAN NO.																
02	VENDOR CODE (as in Purchase Order)																
03	Details of Bank Account:																
A)	NAME & ADDRESS OF THE BANK (WITH PIN CODE)																
B)	BANK TELEPHONE NUMBER (WITH STD CODE)																
C)	BANK BRANCH CODE																
D)	MICR CODE																
E)	ACCOUNT NUMBER																
F)	TYPE OF ACCOUNT	CURRENT A/C / OD / CASH CREDIT															
G)	Vendor name as per Bank records																
H)	BANK BRANCH RTGS IFSC CODE																
I)	BANK BRANCH NEFT IFSC CODE																
J)	VENDOR'S EMAIL ID (give two ids)																
1																	
2																	
K)	NAME OF AUTHORISED SIGNATORY																

CERTIFICATE

I / We hereby agree to receive the payments due from BHARAT HEAVY ELECTRICALS LIMITED, RANIPET by the National Electronic Funds Transfer and/or RTGS Transfer mode by credit to my / our above mentioned Bank Account. I / We also agree that payments made to the above mentioned Account is a valid discharge of the liability of Bharat Heavy Electricals Limited, Ranipet. I / We also agree to bear the applicable Bank Charges for the above mode of transfer.

AUTHORISED SIGNATORY OF VENDOR WITH SEAL

Banker's Certification

We confirm that we are enabled for receiving RTGS and NEFT credits and we further confirm that the account number of _____ (name of account holder), the signature of the authorized signatory and the MICR and IFSC codes of our Branch mentioned above are correct.

PLACE:

DATE:

 (Manager / Officer's signature Under Bank stamp)
 Authorisation No. _____.

Note: This EFT Form is to be submitted duly filled in manually in all fields and duly signed by Authorised Signatory and certified by Banker.



Ranipet

Bharat Heavy Electricals Limited
Boiler Auxiliaries Plant, Ranipet –632 406
ERECTION SERVICES DEPARTMENT

STATUTORY REQUIREMENT OF CONTRACT

ES: F: 009**Page No.: 06 of 09****APPENDIX – IV**Certified by Chartered Accountant on letter head

This is certify that M/s,
 (hereinafter referred to as 'company') having its registered office at
 is registered under MSMED Act 2006, (Entrepreneur
 Memorandum No (part-II) dated:.....
 Category:.....(Micro/Small)).(Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as on date
 as per MSMED Act 2006 is as follows:

- 1. For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No.S.O.1722(E) dated 5, 2006.

Rs..... Lakhs

- 2. For Services Enterprises:** Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act, 2006:

Rs..... Lakhs

The above investment of Rs..... Lakhs is within permissible limit of
 Rs..... Lakhs for Micro/Small (**Strike off
 which is not applicable**) Category under MSMED Act 2006.


Date:


(Signature)


Name –

Membership Number –

Seal of Chartered Accountant

 Ranipet	Bharat Heavy Electricals Limited Boiler Auxiliaries Plant, Ranipet –632 406 ERECTION SERVICES DEPARTMENT	STATUTORY REQUIREMENT OF CONTRACT ES: F: 009
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CERTIFICATE OF NO DEVIATION (FORMAT - To be typed written in LETTER HEAD and submitted along with offer)		
<p>I / Weof M/s</p> <p>hereby certify that there is no deviation from the Tender conditions either technical or commercial and I am / We are agreeing to all the terms and conditions mentioned in the Tender Specification No.: 97972023363 Dt. 03.01.2024</p> <p>Date:</p> <p style="text-align: right;">SIGNATURE OF THE BIDDER</p>		

 Ranipet	Bharat Heavy Electricals Limited Boiler Auxiliaries Plant, Ranipet –632 406 ERECTION SERVICES DEPARTMENT	STATUTORY REQUIREMENT OF CONTRACT ES: F: 009
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DECLARATION SHEET (FORMAT - To be typed written in LETTER HEAD and submitted along with offer)		
<p>I,</p> <p>hereby certify that all the information and data furnished by me with regard to this Tender Specification No. 97972023363 Dt. 03.01.2024 are true and complete to the best of my knowledge. I have gone through the specification, conditions and stipulations in detail and agree to comply with the requirements and intent of specifications. Further certify that I am duly authorized representative of the under mentioned Bidder and a valid power of Attorney to this effect is also enclosed.</p>		
BIDDER'S NAME AND ADDRESS:		
AUTHORISED REPRESENTATIVE'S SIGNATURE WITH NAME AND ADDRESS		

 Ranipet	Bharat Heavy Electricals Limited Boiler Auxiliaries Plant, Ranipet –632 406 ERECTION SERVICES DEPARTMENT		STATUTORY REQUIREMENT OF CONTRACT ES: F: 009	
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<u>FINANCIAL VIABILITY (Annexure-A)</u>				
Sl. No.	Aspects		Rs.	To be filled-up
1	Owner's Capital in the business (In case of Partnership Please Mention percentage of shares and Amount)		Rs.	
2	Quantum of business done during Last three financial years.	Year 20 ___ - ___	Rs.	
		Year 20 ___ - ___		
		Year 20 ___ - ___		
		(Year 20___ - __)		
3	Value of Fixed Assets of the business in last three years	Year 20 ___ - ___	Rs.	
		Year 20 ___ - ___		
		Year 20 ___ - ___		
		(Year 20___ - __)		
4	Guarantee limits (if any) Enjoyed by the firm		Rs.	
5	Overdraft limits (if any) Enjoyed by the firm		Rs.	
6	Income Tax paid during the last three Years	Year 20 ___ - ___	Rs.	
		Year 20 ___ - ___		
		Year 20 ___ - ___		
		(Year 20___ - __)		
7	Please state whether audited profit and Loss Account and Balance Sheet for last 3 Years and Solvency Certificate are Enclosed.			Yes / No
Note: All the above documents should be duly certified by auditors/bank as may be applicable.				
Signature of the Bidder				



Bharat Heavy Electricals Limited
Boiler Auxiliaries Plant, Ranipet –632 406
ERECTION SERVICES DEPARTMENT

PRICE-BID
Page 01 of 01

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TENDER DOCUMENT - PART-II PRICE-BID

SCHEDULE OF RATES & QUANTITIES

SCOPE OF WORK: Dismantling, Erection, Testing and Commissioning for the Modification of Air Pre Heater (Size 27.5 VIMT 2000) Single sealing arrangement with Double sealing arrangement in Unit-X (1x250MW) of KTPS-V Stage, at TSGENCO, Kothagudem, Telangana.

Sl. No.	DESCRIPTION OF ITEM	UOM	QTY	Weightage in %.
A01	Receipt of materials from TSGENCO, KTPS Stores, transporting to site of erection, dismantling of existing APH components to the extent required, transporting of scrap to KTPS scrap yard (with in the boundary), Erection, Testing, and Commissioning of new APH components as per Technical Specification and as per instructions of BHEL Engineer-in-charge, at KTPS UNIT #10(1X250 MW), Kothagudem, Telangana by using contractor's own T&P, cranes, winches etc. (Approximate total weight is 400 MT for 2 APHs)	Set	02	97.40
A02	Removal of existing insulation and disposing of the same at identified location inside the plant, Re-insulation of entire APH by using wool mattress of 100 mm/150mm thick, 0.63 mm GI cladding sheet, retainers, fixing pins etc as per specification & drawings as required.(Approx. total area of insulation would be 360 sq. meters for 2 APHs)	Set	02	2.60
A	Total value for the above scope of work in Indian Rupees	to be quoted only in online price bid		
B	GST @ _____%	to be quoted only in online price bid		
C	Total value for the above scope of work in Indian Rupees including of GST	to be quoted only in online price bid		

Note:

- 1)The bidder has to enter their firm name and address in Row no:8 of online price bid.
- 2)The bidder has to quote their final price (without GST) in column no:13 of online price bid.
- 3)The bidder has to enter Rate of GST in column no 16 of online price bid.
- 4) The vendor has to work out his rates for above BOQ items separately and quote only lump sum price in the online price bid. Rates quoted elsewhere in technical bid shall be invalid and treated as invalid offer.

SIGNATURE OF BIDDER