

# TENDER DOCUMENT

**TENDER SPECIFICATION No : BAP-ERN-NKP-ESP-IP-C-284**

**NAME OF WORK:**

Modification of ESP-Insulator Panels as per modification drawing no 1-79-846-06725 and as per Technical Specification u/Ref.: AQCS: PE: NTPC: NK: IP: TA Dated 02-03-2017. Total work content per Unit is (a) Gas Cutting for a length of 1618 Meter Appx. (b) Welding for 635 Meters Appx. For all Three Units at 3x660 MW North Karanpura STPP, Jharkhand using contractor's own tools and plants, cranes , consumables, manpower etc.

**Issued to M/s. :**

## **PART – I (TECHNICAL BID)**



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

**BHARAT HEAVY ELECTRICALS LIMITED**  
**BOILER AUXILIARIES PLANT**  
**RANIPET- 632406.**

**ERECTION SERVICES DEPARTMENT**

TENDER SPECIFICATION NO. : **BAP-ERN-NKP-ESP-IP-C-284**

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**BHARAT HEAVY ELECTRICALS LIMITED  
BOILER AUXILIARIES PLANT  
RANIPET – 632 406**

**ERECTION SERVICES DEPARTMENT**

**SPECIAL INSTRUCTIONS TO TENDERER**

1. This Booklet consists of the scope and bill of quantities of the entire work etc.
2. The Tenderers are requested to go through the instructions contained in the documents attached fully and then quote in the Rate Schedule attached.
3. Tenderers are advised to go through the General conditions of contract, special conditions of the contract, tender specifications etc. 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. Tenderers shall note that all consumables, tools & tackles 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, special conditions, Annexures etc. by the Tenderer.
7. **The entire modification work has to be completed within 90 Days. All the resources required for completion of work in the stipulated period.**
8. The undersigned is not bound to accept the lowest or any tender and will have the right to reject any or all the Tenders without assigning any reason whatsoever.
9. Approval, if any, required from statutory authorities like Labor Commissioner, the tenderer on his own cost and risk should obtain Electricity Board, etc.
10. The Tenderer should mobilize maximum labor force from the local area.
11. These Tender Documents are not transferable.
12. Tender with all the required documents should be submitted so as to reach as per schedule given in the notice inviting tender and **duly addressed to** :

**DY. GENERAL MANAGER,  
ERECTION SERVICES DEPARTMENT,  
BHARAT HEAVY ELECTRICALS LIMITED,  
BOILER AUXILIARIES PLANT,  
RANIPET – 632 406.  
Phone No.:04172 - 241171 / 284973  
E-mail: [plramana@bhelrpt.co.in](mailto:plramana@bhelrpt.co.in)**

**BHARAT HEAVY ELECTRICALS LIMITED**  
**BOILER AUXILIARIES PLANT, RANIPET- 632406.**  
**ERECTION SERVICES DEPARTMENT**

**NOTICE INVITING TENDER**

Sealed Tenders in TWO PARTS are invited from experienced bidders meeting Qualification Requirements (QR) for the work mentioned below. Points relevant to the tender are mentioned below and are to be complied with.

**TENDER SPECN NO. : BAP-ERN-NKP-ESP-IP-C-284 Dated 20-Apr-2017**

**NAME OF THE WORK:** Modification of ESP-Insulator Panel as per modification drawing 1-79-846-06725 and as per Technical Specification u/Ref.: AQCS: PE: NTPC: NK: IP: TA Dated 02-03-2017. Total work content per Unit is (a) Gas Cutting for a length of 1618 Meter Appx. (b) Welding for 635 Meters Appx. at 3x660 MW North Karanpura STPP, Jharkhand using contractor's own tools and plants, cranes, consumables, manpower etc.

1. **EARNEST MONEY DEPOSIT** : Rs. 36500- (Rupees Thirty Six Thousand Five Hundred only)
2. **Sale Of Tender Specification Documents** : 20-Apr-2017 To 04-May-2017
3. **Due Date & Time for Submission of offer** : 04-May-2017 At 14.30 Hrs.
4. **Date & Time Of Opening Of Technical Bid** : 04-May-2017 At 14.30 Hrs. (Please obtain Updated information from the website about the latest applicable dates.)
5. **EARNEST MONEY DEPOSIT (EMD) : EVERY TENDER MUST BE ACCOMPANIED BY THE PRESCRIBED AMOUNT OF EARNEST MONEY DEPOSIT.**
  - 5.1. **EARNEST MONEY DEPOSIT (EMD) shall be remitted**
    - a) **Along with the tender in the form of pay order or DEMAND DRAFT drawn in favor of BHARAT HEAVY ELECTRICALS LIMITED payable at RANIPET.**
    - b) Cash deposit as permissible under the extant Income Tax Act (before tender opening)
    - c) Electronic Fund Transfer credited in BHEL account No.10664849171 SBI-Mukundarayapuram, IFSC Code: SBIN0007103 (before Technical-Bid of tender opening)

EMD in the form of bank guarantee / fixed deposit receipt or in any other form **will not be accepted.**
6. **Tender that is not accompanied by the requisite EMD amount is liable to be summarily rejected.**
7. Tenderers 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.
8. Tender specification documents with complete details are hosted in web page ([www.bhel.com](http://www.bhel.com)). Bidders can directly download the same and use for submission of offer. Tender document charges shall be paid to BHEL along with or before submission of offer.
9. Interested bidders may alternately collect hard copy of tender specification documents from Erection Services Dept / BHEL / Ranipet on all working days (between 10.00 to 15.00 hrs) within the sale period on payment of tender document charges.
10. **Tender specification document charges (Non-refundable):** Charges for Tender Specification document @ Rs.1000/- per Tender Specification shall be paid by Account Payee Demand Draft in favor of "Bharat Heavy Electricals" payable at Ranipet or in Cash at the cash counter of BAP/Ranipet. In the case of downloading of Tender Specification documents etc. from the web page, the bidder shall remit the tender document charges (Rs.1000/-) positively along with or before submission of offer. In the case of request by the bidder for dispatch of Tender Specification documents through Courier/Post, extra charges shall be paid @ Rs.500/- per Tender Specification. The tender documents are not transferable.
11. BHEL will not take any responsibility for delay/loss of documents or correspondence sent by courier/post.
12. Acceptance of any tender shall be subject to the approval by BHEL's Customer.

13. BHEL reserves the right to accept or reject any or all tenders without assigning any reasons whatsoever.
14. All corrigenda, addenda, amendments, clarifications etc. to tender specification will be hosted in the web page ([www.bhel.com](http://www.bhel.com) > **Tender notifications > view corrigendum**) only and not in the newspaper. Bidders shall keep themselves updated with all such developments.
15. BHEL reserves the right to reject any tender based on unsatisfactory performance of the bidder in any on going job or any similar job in the past.
16. **QUALIFICATION CRITERIA:** The Bidder must satisfy the following Qualification Criteria for participating in the Tender.
- 16.1. The average financial turnover of the company during the last 3 years, ending 31st of March 2017, should be at least of **Rs.5.48 Lakhs** and the bidder should submit audited balance sheet and profit & loss account for the last three financial years (FY) ending on 31/03/2017 duly certified by chartered accountant /auditor.
- 16.2. Experience of having successfully completed **either of the following similar works** during last 7 years ending 31-Mar-2017.
- a) One similar completed works costing not less than the amount equal to Rs: 14.60 Lakhs.  
(Or)
- b) Two similar completed works costing not less than the amount equal to Rs:9.13. Lakhs  
(Or)
- c) Three similar completed works costing not less than the amount equal to Rs:7.30 Lakhs

**Definition of Similar work: Execution of Mechanical works in ESP/Boilers involving fabrication/Welding/Erection of structural supports etc., in any power plants or Industries like steel plants, refineries, cement plants Factories etc.**

bidder must satisfy all the qualifying requirements enumerated as in (18.1) & (18.2) above concurrently in order to qualify to participate in this tender.

The bidders to note that possession of provident Fund (PF) code is not a pre-condition for participation in the tender. However, the successful bidder should ensure to get the PF code for the employees engaged for this work.

17. **Supporting documents for QR:**  
**Bidder shall submit documents in support of possessing qualifying requirements as under, duly self certified and stamped by the authorized signatory.**
- (i) Proof of Completion of similar works 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.
- (ii) 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.
- (iii) Performance certificate from at least one customer for any one category of similar works.
18. **Seeking clarification on Tender Specification:** Clarifications on tender specification if any may be sought by the bidders so as to reach this office at least seven days before the last date for tender submission. BHEL shall not be responsible for receipt of queries after the due date for seeking of clarification due to postal delay.
19. BHEL may decide holding a pre-bid conference (PBC) 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. Any clarification/query received after the pre-bid conference shall not be entertained.
20. 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 should be complete in all respects and as per the formats prescribed in the Tender specification (Statutory requirement of Contract). The bidder may have to produce original documents for verification, if so decided by BHEL.

21. Offers received with any deviation or without relevant information are liable to be rejected.
  22. Price bids received in any form other than prescribed in Part-II (PRICE BID) are liable to be rejected.
  23. **Validity:** The tender offer should be kept valid for 180 days from the date of bid opening for acceptance by BHEL. No unsolicited revision in the tender offer shall be entertained after opening of tenders and until expiry of the validity period.
  24. **Liquidated Damages/Penalty:** BHEL will impose Liquidated Damages and Penalty as per suitable clauses in the Tender Specifications because of delay, violation of contract conditions and non-performance attributable to the contractor.
  25. **REVERSE AUCTION:** BHEL Reserves the right to adopt the process of **Reverse Auction** (ON LINE BIDDING on INTERNET) among the bidders who are found to be qualified based on technical bid. Refer the **General Terms and Conditions of reverse auction** in SECTION-VIII. No extension of time on this account will be entertained for bid submission.
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TENDER SPECIFICATION NO. : **BAP-ERN-NKP-ESP-IP-C-284**

**PROJECT INFORMATION**

1. Purchaser and Owner : M/s. NTPC Limited, Jharkhand
2. Location : The power project is located near Tandwa town in Chatra districts in the state of Jharkhand on Hazaribagh-Chatra State highway at a distance of about 50 kms from Hazaribagh city. The nearest commercial airport is Ranchi at a distance of 150 kms from project site. The nearest railhead Khalari Railway Station on Ranchi-Garhwa section of Eastern Railways is about 40 kms from project site.
- The site is located near Tandwa town having latitude and longitude of about 23° 50' N to 23° 52' N and 84° 59' E to 85° 2' E respectively
3. Air Quality : Normal Thermal Plant conditions

**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 NO. BAP-ERN-NKP-ESP-IP-C-284

- 1.0 SCOPE OF WORK:** Modification of ESP-Insulator Panel as per modification drawing 1-79-846-06725 and as per Technical Specification u/Ref.: AQCS: PE: NTPC: NK: IP: TA Dated 02-03-2017. Total work content per Unit is (a) Gas Cutting for a length of 1618 Meter Appx. (b) Welding for 635 Meters Appx. All the three units at 3x660 MW North Karanpura STPP, Jharkhand using contractor's own tools and plants, cranes, consumables, manpower etc.
- 2.0 TERMINAL POINTS:** The terminal points decided by BHEL shall be final and binding on the contractor for deciding the scope of work and effecting payment for the work done.
- 3.0 SITE LOCATION :** as above
- 4.0 TOOLS & TACKLES:** It may be noted that **BHEL will not provide** any cranes, trailers / trucks / tractors, tools and plants for execution of the work. All required resources are to be arranged by the tenderer only.
- 5.0 CONSTRUCTION POWER & WATER:** Required construction power and water to site shall be provided by BHEL on FREE OF CHARGE at one point only. Necessary power cabling from the source to distribution boards, energy meters etc. and distribution pipelines to different locations of water point with taps, valves etc., shall be provided by the tenderer at his cost.
- 6.0 HEALTH, ENVIRONMENT AND SAFETY:** The tenderer shall visit the site of work before quoting for this work and take note of the site conditions, possible interferences for erection work as well as for the movement of cranes and for hook up / testing of the equipment. The tenderer shall also acquire knowledge of prevailing rules and regulations pertaining to Health, Environment and Safety (HSE) procedures of M/s NTPL, Tuticorin site rules, prevailing labor laws enforced by local authorities, labor regulations, movement of labor / vehicles inside the plant area, time keeping systems etc., in force and other local political conditions before submission of offer. No payment shall be made extra for not having adequate knowledge about the site conditions or for any extra work on the account of existing site constraints.
- 7.0 COMPLIANCE TO STATUTORY REQUIREMENTS:** It is the responsibility of the contractor to obtain the required labor license from the appropriate authorities before commencement of work.
- 7.1** The contractor shall comply with all State/Central Laws, Statutory Rules, and Regulations etc. inclusive of those regarding Labor and Industrial Laws which are applicable from time to time and shall comply with the provision of the same Labor Legislation, Rules and Regulations framed under the provision of Employees' Provident Fund and Miscellaneous Provision Act 1952, ESI registration, Labor License etc.
- 7.2** The tenderer shall specify the **Provident Fund Code / ESI Number** allotted to their firm by the Provident Fund authorities for engagement of labor for this tendered **work or otherwise shall obtain PF Code/ESI No. from respective Authorities** before finalization of the tender.
- 8.0 SITE MANAGEMENT :** The tenderer shall arrange to print all materials management forms, daily labor progress reports, and all other forms & reports etc., as indicated / instructed by BHEL and customer's HSE plan and project site rules.
- 9.0 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.
- 10.0 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.
- 11.0 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 required for the completion of the revamping work.
- 12.0 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".
- 13.0 SECURITY DEPOSIT (SD) :** The successful tenderer 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).

**14.0 TAXES AND DUTIES** : Rates quoted shall include all royalties, taxes, terminal taxes, Octroi, duties, Sales Tax on Works Contract, Entry Tax, Central or Provincial Excise Tax and other taxes (**except Service Tax**) leviable under the state and the central Government Rules. BHEL will not entertain any claim whatsoever in this respect

**14.1** The tenderer shall not include Service Tax in their quoted rates. The service tax rates and its working shall be indicated separately in the price bid. The successful tenderer shall register themselves with the service tax authority, pay separately the Service Tax as applicable to this contract during execution of the work, and get it reimbursed at actuals by BHEL by submitting necessary invoices / documentary proof as required by BHEL.

**14.2 Procedure for reimbursement of Service Tax:** The service tax claimed in the first Running Account Service Invoice will be paid by BHEL. For subsequent invoices, Service Tax amounts will be paid only on production of proof for having remitted the previous service tax amounts paid by BHEL.

**14.3** Service Tax @ 15% applicable for Service portion covered are payable by the contractor under this tender and reimbursable by BHEL.

**15.0 PAYMENT TERMS :**

All payments for the works completed shall be paid based on bills raised by the contractor and certified by Engineer-in-Charge of BHEL. **Payment will be made within a period of 30 days from the date of submission of bills along with all the enclosures as called for by BHEL. Payment will be through e-payment** (through electronic fund transfer (EFT) / RTGS) only after deducting Bank charges as per BHEL terms of payment indicated below.

- a) 95% of contract rate on pro-rata basis on completion of modification of work unit wise as per Technical Specification.
- b) The balance 5% of the contract value shall be paid after completion entire work under this contract..

**15.1 The tenderer has to furnish information called for in the formats attached with this booklet.** The details pertaining to the Bank Accounts where proceeds will be transferred through BHEL's Banker is to be furnished.

**15.2** Copies of EPF remittance challans, ESI / Insurance remittances, Wage register, attendance register etc of the workers pertaining to the site of work and period applicable shall be attached to every bill submitted, failing which bills will not be processed. Copies of half yearly and annual EPF returns for the workers have also to be submitted, if required.

**16.0 PERIOD OF CONTRACT / DURATION OF WORK :** **The total duration for the tendered scope of work is 90 Days** The successful bidder has to mobilize all resources to site immediately for establishing facilities for labor accommodation, obtaining labor license gate passes etc.,

**17.0 G.A Drawing :** Not applicable

**18.0 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 at no extra cost to BHEL.

**19.0 LIQUIDATED DAMAGES :** If the work completion gets delayed due to reasons attributable to the contractor, Liquidated Damages will be levied at the rate of ½ % per week, subject to a maximum of 5% of the contract value. In addition, ref. clause No.2.7.5 of General conditions of Contract. All decisions of BHEL in this regard will only be final and binding on the contractor.

**20.0 EXTRA CHARGES FOR MODIFICATION AND RECTIFICATION WORKS:** Refer Section-VIII of the special conditions of contract.

**21.0 OVER-RUN COMPENSATION (ORC):** Not applicable

**22.0 The following documents enclosed shall also form part of the tender:**

- a. Technical Specification – (Annexure- I)
- b. Statutory requirement of contract (ES:F:009)
- c. General terms and conditions of work (ES:F:010)
- d. Special Conditions of Contract for ESP works (BAP:ERN:SPN:MECH:ESP:02) Section-I to IX

**TENDER DOCUMENT**  
**(BAP-ERN-NKP-ESP-IP-C-284 DT: 13-Apr-2017)**  
**( UN-PRICED Copy of Price BID ) SCHEDULE OF RATES & QUANTITIES**

Modification of ESP-Insulator Panel as per modification drawing 1-79-846-06725 and as per Technical Specification u/Ref.: AQCS: PE: NTPC: NK: IP: TA Dated 02-03-2017.

S.No.	DESCRIPTION OF ITEM	Unit	QTY	RATE/UNIT RS. PS.	AMOUNT RS. PS.
A	Collection of ESP-Insulator Panels from BHEL stores, transporting to identified area, modification of the same by gas cutting and edge preparation and welding as per drawing no 1-79-846-06725, Technical Specification and as per the instructions of BHEL Engineers, arranging for BHEL/NTPC inspection and handing over of all materials back to BHEL/ PSWR stores complete by using contractor's own tools, hydra, tractor trailers, consumables man power etc. at 3X660 MW North karanpura STPP. Total approximate work involved in each unit is (a) Gas Cutting for a length of 1618 Meter (b) Welding length for 635 Meters (c) Wt. of materials to be handled is 77 MT.	Units	3	Quoted	Quoted
	Total			Quoted	Quoted
	%-Age of Service Tax Applicable if Any				

**Note:** The applicable Service Tax is to be indicated in this UNPRICED-COPY of the Price-Bid

**SIGNATURE OF BIDDER**

**Technical specification for dimensional correction of insulator roof panels**  
Quantity indicated are for One unit only

AQCS:PE:NTPC:NK:IP:TA:

Dt:02-03-17 Page:01 of 01

1. **Scope:** Contractor has to collect the fabricated insulator panels from the stores and modify as per the modification drawing and handing over back to stores after completion of modification.
2. **Work content:**
  - 2.1. Material handling tonnage involved is 77.0MT Appx. Per unit
  - 2.2. Plate thickness: 6mm
  - 2.3. Weld fillet size 5mm Pie with welding Electrode E 6013
  - 2.4. Weld length involved is 635 Mtr. Appx.
  - 2.5. Gas cutting length involved is 1618 Mtr. Appx.
  - 2.6. Details of an individual component weight **Table-A**

Du Item	Minimum weight per Item in Kg	Maximum weight per Item in Kg
Insulator Panel	265	552

3. **Procedure for modification and Inspection:** Existing insulator panels of bigger dimensions with complete fabrication will be issued to the vendor for modifying to the required dimensions as per the drawing.
  - 3.1. Check shall be done for orientation of panels before modifying as per drawing.
  - 3.2. Bends/damages if any in the gussets/bolt plates due to transit/loading/unloading, should be corrected by the vendor.
  - 3.3. Check for the flatness of bolt plates using the straight edge and feeler gauge.
  - 3.4. Vendor to fix the respective bolt plates with columns and bracing and ensure the layout/key plan dimensions wrt relevant drawings. All measured dimensions shall be recorded as dimensional report.
  - 3.5. Use Welding Electrode E 6013 for all welding.
  - 3.6. Weld quality and soundness of the weld shall be ensured by NDT as applicable in FQP for fillet weld.
  - 3.7. Offer inspection and obtain the clearance from the BHEL quality personnel after modification of the respective insulator panels.
  - 3.8. All insulator panels are to be drawn from PSER stores and gas cutting, welding modification work has to be carried out as per the indicated dimension of the drawing 1-79-846-06725 and handover back to PSER stores after completion of modification and clearance from BHEL Inspection.

Encl:

- 1) Drawing 1-79-846-06725



 nipet	<b>Bharat Heavy Electricals Limited</b> Boiler Auxiliaries Plant, Ranipet –632 406 ERECTION SERVICES DEPARTMENT	GENERAL CONDITIONS OF CONTRACT <b>ES : F : 010</b>
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# GENERAL CONDITIONS OF CONTRACT

FOR

WORKS

( SECTION – I & II )

**ES : F : 010**



**ERECTION SERVICES DEPARTMENT**


**BHARAT HEAVY ELECTRICALS LIMITED**


( A Government of India Undertaking )


BOILER AUXILIARIES PLANT


INDIRA GANDHI INDUSTRIAL COMPLEX


RANIPET – 632 406


 <b>Ranipet</b>	<b>Bharat Heavy Electricals Limited</b> <b>Boiler Auxiliaries Plant, Ranipet –632 406</b> <b>ERECTION SERVICES DEPARTMENT</b>	<b>GENERAL CONDITIONS OF CONTRACT</b> <b>ES : F : 010</b>  <b>Page No.: 02 of 18</b>
<b>SECTION –I</b>		
<p><b>1. GENERAL INSTRUCTIONS TO BIDDERS</b></p> <p><b>1.1. DESPATCH INSTRUCTIONS:</b></p> <p><b>1.1.1.</b> 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><b>1.1.2.</b> The tender shall be addressed to Officer inviting tender as indicated in the tender notice.</p> <p><b>1.1.3.</b> 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><b>1.1.4.</b> 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><b>1.1.5.</b> 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><b>1.1.6.</b> 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><b>1.1.7.</b> 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><b>1.1.8.</b> 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><b>1.1.9. Discrepancy in Quoted Rates :</b></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><b>1.1.10.</b> For the purpose of the tender, the metric system of units shall be used.</p> <p><b>1.1.11.</b> 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> <p><b>1.2. QUALIFICATION OF BIDDERS:</b> 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>		


 <b>Ranipet</b>	<b>Bharat Heavy Electricals Limited</b> <b>Boiler Auxiliaries Plant, Ranipet –632 406</b> <b>ERECTION SERVICES DEPARTMENT</b>	<b>GENERAL CONDITIONS OF CONTRACT</b> <b>ES : F : 010</b>  <b>Page No.: 03 of 18</b>
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<p>1.3. <b>DATA TO BE ENCLOSED:</b> 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>1.3.1. <b>FINANCIAL STATUS:</b> 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. Information<del>s</del> required in Annexure A<del>r</del> shall be furnished by the bidder along with the offer.</p> <p>1.3.2. <b>INCOME TAX CERTIFICATE:</b> 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>1.3.3. <b>PREVIOUS EXPERIENCE:</b> 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 &amp; BII shall be furnished by the bidders along with the offer.</p> <p>1.3.4. <b>ORGANISATION CHART:</b> 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>1.3.5. 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>1.3.6. <b>IN CASE OF AN INDIVIDUAL:</b> His full name, address and place and nature of business shall be indicated.</p> <p>1.3.7. <b>IN CASE OF PARTNERSHIP FIRMS:</b> 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>1.3.8. <b>IN CASE OF COMPANIES:</b> 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>1.3.9. Nature of business carried on by the Company and the provisions of the Memorandum relating there of shall be furnished.</p> <p>1.3.10 Names and particulars including addresses of the Directors and their previous experiences shall be furnished.</p> <p>1.3.11 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>1.3.12 In addition to the above, the particulars required in various annexure shall also be furnished.</p>		
<p><b>EARNEST MONEY DEPOSIT:</b></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. <b>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.</b></p>		


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<p><b>1.4.1.2.</b> 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><b>1.4.2.</b> Tenders received without Earnest Money in full in the manner prescribed above are liable to be rejected.</p> <p><b>1.4.3.</b> The Earnest Money Deposit of the successful tenders may be retained towards part of Security Deposit.</p> <p><b>1.4.4.</b> 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><b>1.4.5.</b> Earnest Money Deposit by the bidder will be forfeited as per tender documents if the bidder:</p> <p><b>1.4.5.1.</b> Fails to communicate unqualified acceptance of Letter of Intent within 15 days of date of Letter of Intent.</p> <p><b>1.4.5.2.</b> 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><b>1.4.5.3.</b> After opening of Tender, revokes/withdraws his tender within the validity period or revises/alters his earlier quoted rates/conditions.</p> <p><b>1.4.5.4.</b> Fails to submit SD as indicated in the Letter of Intent.</p> <p><b>1.4.6.</b> Earnest Money deposit shall not carry any interest.</p> <p><b>1.5. AUTHORISATION AND ATTESTATION:</b></p> <p><b>1.5.1.</b> 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><b>1.6. VALIDITY OF OFFER:</b> 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><b>1.7. EXECUTION OF CONTRACT:</b> 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 form (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><b>1.8. SECURITY DEPOSIT:</b></p> <p><b>1.8.1.</b> 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> <p><b>1.8.2.</b> 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><b>1.8.3.</b> 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> <ol style="list-style-type: none"> <li>i) Cash (as permissible under the extant Income Tax Act)</li> <li>ii) Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL</li> <li>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</li> <li>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)</li> <li>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)</li> </ol>		


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<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><b>1.8.4.</b> 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><b>1.8.5.</b> 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><b>1.8.5</b> 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><b>1.8.6</b> 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><b>1.8.7</b> 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><b>1.8.8 RETURN OF SECURITY DEPOSIT:</b></p> <p>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. <b>It may be noted that in no case the Security Deposit shall be refunded/released prior to passing of final bill.</b></p> <p><b>1.9. REJECTION OF TENDER AND OTHER CONDITIONS</b></p> <p><b>1.9.1.</b> 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.</p> <p><b>1.9.1.1.</b> To reject any or all of the bidders.</p> <p><b>1.9.1.2.</b> To split up the work amongst two or more Bidders.</p> <p><b>1.9.1.3.</b> To award the work in part.</p> <p><b>1.9.1.4.</b> Either of the contingencies stated in (1.9.1.2) and (1.9.1.3) above to modify the time for completion suitably.</p>		


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<p><b>1.9.1.</b> 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.</p> <p><b>1.9.2.</b> 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.</p> <p><b>1.9.3.</b> 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.</p> <p><b>1.9.4.</b> 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.</p> <p><b>1.9.5.</b> 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.</p> <p><b>1.9.6.</b> 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.</p> <p><b>1.9.7.</b> Should a bidder or contractor or in the case of a firm or company of contractors one or more of its partners/share holders/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.</p> <p><b>1.9.8.</b> 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.</p> <p><b>1.9.9.</b> 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.</p> <p><b>1.10. NO INTEREST shall be payable by BHEL on Earnest Money or Security Deposit, if applicable, or any money due to the Contractor by BHEL.</b></p>		


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<p>2.1. <b>DEFINITION:</b> The following terms shall have the meaning hereby assigned to them except where the context otherwise requires.</p> <p>2.1.1. <b>BHEL or (B.H.E.L Ltd)</b> 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.</p> <p>2.1.2. <b>“GENERAL MANAGER”</b> shall mean the Officer in Administrative charges of contracting unit of BHEL.</p> <p>2.1.3. <b>“ENGINEER”</b> or <b>“ENGINEER IN CHARGE”</b> 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.</p> <p>2.1.4. <b>“SITE”</b> shall mean the place or places at which the plants/equipments are to be erected and services are to be performed as per the specification of this contract.</p> <p>2.1.5. <b>“CLIENTS OF BHEL”</b> or <b>“CUSTOMER”</b> shall mean the project authorities to whom BHEL is supplying the equipments.</p> <p>2.1.6. <b>“CONTRACTOR”</b> 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.</p> <p>2.1.7. <b>“CONTRACT”</b> or <b>“CONTRACT DOCUMENT”</b> 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.</p> <p>2.1.8. <b>“GENERAL AND SPECIAL CONDITIONS OF CONTRACT”</b> shall mean the “Instructions to Bidders and General and Special Conditions of Contract” pertaining to the work for which the bidders are called for.</p> <p>2.1.9. <b>“TENDER SPECIFICATIONS”</b> 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..</p> <p>2.1.10. <b>“TENDER DOCUMENTS”</b> shall mean the General and Special Conditions of Contract(2.1.8) and tender specification(2.1.9).</p> <p>2.1.11. <b>“LETTER OF INTENT”</b> 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.</p> <p>2.1.12. <b>“COMPLETION TIME”</b> 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.</p> <p>2.1.13. <b>“PLANT”</b> shall mean and cannot the entire assembly of the plant and equipments covered by the contract.</p> <p>2.1.14. <b>“EQUIPMENT”</b> shall mean all equipments, machinery, materials, structurals, electricals and other components of the plant covered by the contract.</p> <p>2.1.15. <b>“TESTS”</b> 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.</p> <p>2.1.16. <b>“APPROVED”</b> “DIRECTED” or “INSTRUCTED” shall mean approved, directed or instructed by BHEL.</p>		


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<p><b>2.1.17. “WORK OR CONTRACT WORK”</b> 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 equipments to the entire satisfaction of BHEL.</p> <p><b>2.1.18. “SINGULAR AND PLURAL ETC”</b> 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.</p> <p><b>2.1.19. “HEADINGS”</b> 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.</p> <p><b>2.1.20. “MONTH”</b> shall mean calender month, unless specified otherwise in the tender.</p> <p><b>2.1.21. “WRITING”</b> shall include any manuscript typewritten or printed statement under the signature of BHEL.</p> <p><b>2.2. LAW GOVERNING THE CONTRACT AND COURT JURISDICTION</b> 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).</p> <p><b>2.3. ISSUE OF NOTICE:</b> 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.</p> <p><b>2.4. USE OF LAND:</b> 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.</p> <p><b>2.5. COMMENCEMENT OF WORKS:</b></p> <p><b>2.5.1.</b> 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.</p> <p><b>2.5.2.</b> 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.</p> <p><b>2.5.3.</b> All the works shall be carried out under the direction and to the satisfaction of BHEL.</p> <p><b>2.5.4.</b> 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.</p> <p><b>2.6. MODE OF PAYMENT AND MEASUREMENT OF THE WORK COMPLETED:</b></p> <p><b>2.6.1.</b> 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.</p> <p><b>2.6.2.</b> 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.</p>		


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<p><b>2.6.3.</b> 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.</p> <p><b>2.6.4.</b> 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.</p> <p><b>2.6.5.</b> 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.</p> <p><b>2.6.6.</b> Measurement shall be restricted to that for which it is required to ascertain the financial liability of BHEL under this contract.</p> <p><b>2.6.7.</b> The measurement shall be taken jointly by persons duly authorized on the part of BHEL and by the contractor.</p> <p><b>2.6.8.</b> 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.</p> <p><b>2.6.9.</b> 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.</p> <p><b>2.6.10.</b> 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.</p> <p><b>2.6.11.</b> 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.</p> <p><b>2.7 RIGHTS OF BHEL</b></p> <p>BHEL reserves the following rights in respect of this contract without entitling the contractor for any compensation.</p> <p><b>2.7.1.</b> 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.</p> <p><b>2.7.2.</b> 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.</p> <p><b>2.7.3.</b> 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 :</p> <p><b>2.7.3.1.</b> Contractor's continued poor progress.</p> <p><b>2.7.3.2.</b> Withdrawal from or abandonment of the work before completion of the work.</p>		


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<p>2.7.3.3. Corrupt act of contractor.</p> <p>2.7.3.4. Insolvency of the contractor.</p> <p>2.7.3.5. Persistent disregards to the instructions of BHEL.</p> <p>2.7.3.6. Assignment transfer, sub-letting of the contract without BHEL's permission.</p> <p>2.7.3.7. Non-fulfillment of any contractual obligations.</p> <p>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.</p> <p>2.7.5. Liquidated Damages: Time is the essence of the contract. The Contractor has to complete the entire scope of work within the contract period. If the Contract-period gets extended due reasons solely attributable to the contractor, then the "Liquidated Damages" at the rate as specified in the NIT shall be levied. However, if nothing is mentioned in the NIT, the applicable <b>LD will be of ½% of the contract value per day of delay or part thereof subject to a ceiling of 10% of contract value</b>, unless otherwise specifically waived-off.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>2.7.11. In the event of any dispute of any nature, the decision of BHEL shall be final and binding on the contractor.</p> <p>2.7.12. <b>Cancellation of contract in part or full for contractor's default:</b>  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.</p>		

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<p>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.</p> <p>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.</p> <p><b>2.7.13.</b> 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.</p> <p><b>2.7.14.</b> <b>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.</b></p> <p><b>2.8. RESPONSIBILITIES OF THE CONTRACTOR IN RESPECT OF LOCAL LAWS, EMPLOYMENT OF WORKERS Etc.</b></p> <p>The following are the responsibilities of the Contractor in respect of observation of local laws, employment of personnel, payment of taxes etc.</p> <p><b>2.8.1.</b> As far as possible unskilled workers shall be engaged from the local areas in which the work is being executed.</p> <p><b>2.8.2.</b> 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.</p> <p><b>2.8.3.</b> The contractor shall comply with all state and Centrals 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.</p> <p><b>2.8.4.</b> 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.</p> <p><b>2.8.5.</b> 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.</p> <p><b>2.8.6.</b> The contractor shall be responsible for provision of health and sanitary arrangements (more particularly described in Contract Labour Regulation &amp; Abolition Act) safety precautions etc., as may be required for safe and satisfactory execution of the contract.</p> <p><b>2.8.7.</b> The contractor shall be responsible for providing proper accommodation including adequate medical facilities for the personnel employed by him.</p> <p><b>2.8.8.</b> The contractor shall be responsible for the proper behavior and observance of all regulations by the staff employed by him.</p>		


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<p><b>2.8.9.</b> 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><b>2.8.10.</b> All the properties/equipments/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/equipments/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><b>2.8.11.</b> 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><b>2.8.12.</b> 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><b>2.8.13.</b> 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><b>2.8.14.</b> 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><b>2.8.15.</b> 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><b>2.8.16.</b> 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 equipments, lifting tools, tackles, etc., as per prescribed standards and practices.</p> <p><b>2.8.17.</b> 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><b>2.8.18.</b> 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><b>2.8.19.</b> 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><b>2.8.20.</b> 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><b>2.8.21.</b> 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><b>2.8.22.</b> 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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<p><b>2.9. CONSEQUENCES OF CANCELLATION:</b></p> <p>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.</p> <p><b>2.9.1.</b> 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.</p> <p><b>2.10 INSURANCE:</b></p> <p><b>2.10.1.</b> BHEL/their customer shall arrange for insuring the materials/properties of BHEL / customer covering the risks during transit, storage, erection and commissioning.</p> <p><b>2.10.2.</b> 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.</p> <p><b>2.10.3.</b> 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.</p> <p><b>2.10.4.</b> 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.</p> <p><b>2.10.5.</b> 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.</p> <p><b>2.11. STRIKES &amp; LOCKOUTS:</b></p> <p><b>2.11.1.</b> 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.</p> <p><b>2.11.2.</b> For any purpose whatsoever the employees of the contractor shall not be deemed to be in the employment of BHEL.</p> <p><b>2.12. FORCE MAJEURE:</b></p> <p><b>2.12.1</b> The following shall amount to FORCE MAJEURE:</p> <p>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.</p> <p><b>2.12.2.</b> 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.</p>		

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<p><b>2.13. GUARANTEE:</b></p> <p>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.</p> <p><b>2.14. ARBITRATION:</b></p> <p>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 sole arbitration of the General Manager of BHEL and if General Manager is unable or unwilling to act, to the sole arbitration of some other person appointed by the General Manager, willing to act as such arbitrator.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>The arbitrator shall give a separate award in respect of each dispute or difference referred to him.</p> <p>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.</p> <p>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 1<sup>st</sup> January 1976 or its amendments for arbitration shall be applied.</p> <p style="text-align: center;">*+*</p>		

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<b>CONTRACT AGREEMENT</b>		
<p> <b>AGREEMENT NO: BAP : ERN : BHE :</b> <span style="float: right;"><b>DATE:</b></span> </p> <p> Name of work : </p> <p> Name of the contractor with full address : </p> <p> Amount of tender accepted : </p> <p> Letter of Intent No. : </p> <p> Time allotted for completing the work :  (date of completion) </p> <p style="text-align: right;">(Officer authorized to sign the agreement)</p> <p>CONTRACTOR</p>		



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<p><b>ANNEXURE 'E'</b>  <b>PROFORMA FOR SECURITY DEPOSIT</b></p>		
<p>THIS DEED OF GUARANTEE made this day of _____ by Messrs. _____ (hereinafter called the Bank) in favour of Messrs. BHARAT HEAVY ELECTRICALS LIMITED, RANIPET having its Registered Office at New Delhi (hereinafter called the Principal)</p> <p>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</p> <p>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.</p> <p>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.</p> <p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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)</p> <p>And lastly the Bank undertakes not to revoke this guarantee during its currency except with the previous consent of the principal in writing.</p> <p>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.</p> <p><b>Date:</b> _____ <b>(Name of the Bank &amp; Place)</b></p> <p><b>Seal:</b> _____ <b>DESIGNATION OF THE AUTHORISED PERSON SIGNING THE</b></p> <p><b>GUARANTEE</b></p>		

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<b>ANNEXURE –‘F’ NO DEMAND CERTIFICATE</b>		
<p>1) Name of work :</p> <p>2) Agreement Date :</p> <p>3) I/We certify that</p> <p>a) I/We have completed the above work to the entire satisfaction of BHEL.</p> <p>b) I/We have handed over all the balance materials, components, tools and tackles, machinery and other equipment of BHEL.</p> <p>c) I/We have received the final payment from BHEL for the above work.</p> <p>d) I/We have no further demand whatsoever from BHEL.</p> <p>I/We, therefore request you to refund to me/us the security deposit of</p> <p>Rs._____.</p> <p>(Rupees _____ only)</p> <p>and the Bank guarantee No.:_____dt. _____.</p> <p>Rs._____.</p> <p>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.</p> <p style="text-align: right;"><b>SIGNATURE OF THE CONTRACTOR WITH SEAL</b></p> <p><b>Place:</b></p> <p><b>Date:</b></p> <p><b>Witness</b>      1)</p> <p>                         2)</p> <p>                         3)</p>		

 Ranipet	<b>Bharat Heavy Electricals Limited</b> Boiler Auxiliaries Plant, Ranipet –632 406 ERECTION SERVICES DEPARTMENT	STATUTORY REQUIREMENT OF CONTRACT <b>ES : F : 009</b>
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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

 <b>Ranipet</b>	<b>Bharat Heavy Electricals Limited</b> <b>Boiler Auxiliaries Plant, Ranipet –632 406</b> <b>ERECTION SERVICES DEPARTMENT</b>		<b>STATUTORY REQUIREMENT OF CONTRACT</b> <b>ES : F : 009</b>		
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<b>CHECK LIST</b>					
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 (shall be as per relevant clause of NIT)	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 regn No. ( with a copy of certificate)				
5.o	Service Tax regn No. ( with copy of cert')				
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.					

 <b>Ranipet</b>	<b>Bharat Heavy Electricals Limited</b> <b>Boiler Auxiliaries Plant, Ranipet –632 406</b> <b>ERECTION SERVICES DEPARTMENT</b>	<b>STATUTORY REQUIREMENT OF CONTRACT</b> <b>ES : F : 009</b>
		<b>Page No.: 03 of 19</b>

**OFFER OF THE BIDDER**

**(FORMAT - To be typed written in LETTER HEAD and submitted along with offer)**

To

**The Dy. General Manager**  
Erection Services Dept,  
Bharat Heavy Electricals Limited,  
Boiler Auxiliaries Plant,  
Indira Gandhi Industrial Complex,  
RANIPET –632 406. (TAMIL NADU).  
-----

Sir,

I / We hereby offer to carry out the work detailed in the Tender Specification 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 mentioned in the NIT

- General terms and conditions of work (ES: F:010)
- Statutory requirement of Contract (ES: F:009)
- Special conditions of Contract for Mechanical works (Section-III& Section-IV)
- Respective Tender Specification
- Special Instructions to Bidder
- General terms and conditions of Reverse Auction.
- 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 an amount as per the NIT ie. **Rs. \_\_\_\_\_ (Rupees. \_\_\_\_\_ only )** (In words) vide Pay Order No.....Dt..... 2017 / Demand Draft No..... dt..... 2017 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.

<b>SIGNATURE OF BIDDER:</b>		
Place:		ADDRESS:
Date:		

**WITNESSES WITH FULL ADDRESS**

	SIGNATURE	NAME	ADDRESS
1			
2			
3			

 <b>Bharat Heavy Electricals Limited</b> Boiler Auxiliaries Plant, Ranipet –632 406 ERECTION SERVICES DEPARTMENT Ranipet	STATUTORY REQUIREMENT OF CONTRACT <b>ES : F : 009</b>		
	<b>Page No.: 04 of 19</b>		
<b>APPENDIX – II</b> (To be filled by Tenderer and submitted along with Tender document )			
S.No.	PARTICULARS	YES	NO
<b>01</b>	<b>SERVICE TAX</b>		
a.	Service Tax Registration No. of Tenderer (copy to be enclosed)		
b.	Issue of Service Tax Invoice as per Rule 9 of Cenvat Credit rules 2004		
c.	Whether Tenderer is taking Service Tax Credit for their Inputs		
d.	Under which Service Head is Service provided		
e.	If Service Tax is Exempted , furnish reasons		
f.	BHEL Service Tax Registration No. ( To indicate in your Invoice) : <b>AACB/4146/PST/008</b>		
<b>02</b>	<b>INCOME TAX</b>		
a.	PAN No. of Tenderer		
b.	If Exempted , furnish exemption Certificate		
c.	PAN No. of BHEL : <b>AAACB/4146/P</b>		
<b>03</b>	<b>WC ST</b>		
a.	CST Registration No.		
b.	VAT Registration No.		
c.	Whether Tenderer is availing VAT Credit		
d.	If Exempted , furnish Reasons		
	<b>NOTE :</b>		
	1. Rates Quoted shall be clearly indicated that they are <b>INCLUSIVE</b> of all Taxes & Duties except service tax. The Contractor has to issue invoice accordingly. Also refer clause 15.0 of Tender specification regarding Taxes & Duties		
	2. Payment will be made <b>only through e-payment</b> to your account. Payment through Cheque / DD payment will not be made by BHEL.		
<b>Tenderer has to submit Banker's Certificate as per format specified in APPENDIX- IV.</b>			
<b>Agreed to the Above Conditions</b>			
<b>Signature of the Tenderer :</b>			

 <b>Ranipet</b>	<b>Bharat Heavy Electricals Limited</b> Boiler Auxiliaries Plant, Ranipet –632 406 ERECTION SERVICES DEPARTMENT	STATUTORY REQUIREMENT OF CONTRACT <b>ES : F : 009</b>
		<b>Page No.: 05 of 19</b>

**APPENDIX - III**  
**ACCEPTANCE FOR ELECTRONIC FUND TRANSFER / RTGS TRANSFER**

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

**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.

 <b>Ranipet</b>	<b>Bharat Heavy Electricals Limited</b> <b>Boiler Auxiliaries Plant, Ranipet –632 406</b> <b>ERECTION SERVICES DEPARTMENT</b>	<b>STATUTORY REQUIREMENT OF CONTRACT</b> <b>ES : F : 009</b>
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**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) ..... dtd ..... 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

 <b>Ranipet</b>	<b>Bharat Heavy Electricals Limited</b> <b>Boiler Auxiliaries Plant, Ranipet –632 406</b> <b>ERECTION SERVICES DEPARTMENT</b>	<b>STATUTORY REQUIREMENT OF CONTRACT</b> <b>ES : F : 009</b>
		<b>Page No.: 07 of 19</b>
<b>CERTIFICATE OF NO DEVIATION</b> <b>(FORMAT - To be typed written in LETTER HEAD and submitted along with offer)</b>		
<p>I / We .....of M/s .....  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. :  (BAP-ERN-NKP-ESP-IP-C-284 ).</p>		
<b>Date :</b>		<b>SIGNATURE OF THE BIDDER</b>

 <b>Ranipet</b>	<b>Bharat Heavy Electricals Limited</b> <b>Boiler Auxiliaries Plant, Ranipet –632 406</b> <b>ERECTION SERVICES DEPARTMENT</b>	<b>STATUTORY REQUIREMENT OF CONTRACT</b> <b>ES : F : 009</b>
		<b>Page No.: 08 of 19</b>
<b>DECLARATION SHEET</b> <b>(FORMAT - To be typed written in LETTER HEAD and submitted along with offer)</b>		
<p>I, .....  hereby certify that all the information and data furnished by me with regard to  this Tender Specification No. BAP-ERN-NKP-ESP-IP-C-284 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>		
<b>BIDDER'S NAME AND ADDRESS:</b>		
<b>AUTHORISED REPRESENTATIVE'S</b>  <b>SIGNATURE</b>  <b>WTH NAME AND ADDRESS</b>		

 <b>Ranipet</b>	<b>Bharat Heavy Electricals Limited</b> <b>Boiler Auxiliaries Plant, Ranipet –632 406</b> <b>ERECTION SERVICES DEPARTMENT</b>		<b>STATUTORY REQUIREMENT OF CONTRACT</b> <b>ES : F : 009</b>	
			<b>Page No.: 09 of 19</b>	
<b><u>FINANCIAL VIABILITY (Annexure-A)</u></b>				
SI	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.				
<b>Signature of the Bidder</b>				

BAP:ERN:NTPL:TUTICORIN:ESP:MECH:C-283


 <b>Ranipet</b>	<b>Bharat Heavy Electricals Limited</b> <b>Boiler Auxiliaries Plant, Ranipet –632 406</b> <b>ERECTION SERVICES DEPARTMENT</b>	<b>STATUTORY REQUIREMENT OF CONTRACT</b> <b>ES : F : 009</b>
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### ORGANISATION STRUCTURE


1. **Management structure of the firm:**  
Whether public limited / Private Limited / Sole Proprietorship / Partnership.
2. **Details of the staff presently on permanent rolls of the organization.**
  - a) **Engineering / Supervisory Staff.**


Sl No	Name and Designation	Qualification	Experience Years	Proposed to be deployed at site for this job	Remarks If any

**Signature of the Tenderer**

 <b>Ranipet</b>	<b>Bharat Heavy Electricals Limited</b> <b>Boiler Auxiliaries Plant, Ranipet –632 406</b> <b>ERECTION SERVICES DEPARTMENT</b>		<b>STATUTORY REQUIREMENT OF CONTRACT</b> <b>ES : F : 009</b>		
			<b>Page No.: 11 of 19</b>		
<b>ORGANISATION STRUCTURE</b>					
<b>b) Details of Technical staff:</b>					
Sl No	CATEGORY	Total Number on Rolls	Numbers Proposed to be deployed at site for this job		
1	Supervisors / Foreman				
2	Store Keepers				
3	Electrician				
4	Fitters				
5	Welders				
6	Sarang				
7	Rigger				
8	Painter				
9	Light Vehicle Driver				
10	Heavy vehicle Driver				
11	Semi-skilled worker				
12	Unskilled Worker				
13	Crane Operators				
14	Crane Maintenance Staff				
15	Other vehicles maintenance staff				
16	Other category of staff, if any				
<b>Signature of the Tenderer</b>					

 <b>Ranipet</b>	<b>Bharat Heavy Electricals Limited</b> <b>Boiler Auxiliaries Plant, Ranipet -632 406</b> <b>ERECTION SERVICES DEPARTMENT</b>			<b>STATUTORY REQUIREMENT OF CONTRACT</b> <b>ES : F : 009</b>	
				<b>Page No.: 12 of 19</b>	
<b>FACILITIES FOR STAFF &amp; WORKERS AT SITE</b>					
2a	<b>1. ACCOMMODATION:</b>  <b>a) For Engineer / Supervisor / other staff</b>				
Sl	Category	Type of accommodation	Facilities provided	Remarks	
<b>b) No. of quarters, plinth area of each quarter and estimated cost proposed to be constructed for workmen.</b>					
1	MEDICAL:				
2	CONVEYANCE:				
3	OTHER AMENITIES:				
  <b>Date :</b>					
<b>SIGNATURE OF THE BIDDER</b>					

 <b>Ranipet</b>	<b>Bharat Heavy Electricals Limited</b> <b>Boiler Auxiliaries Plant, Ranipet –632</b> <b>406</b> <b>ERECTION SERVICES DEPARTMENT</b>		<b>STATUTORY REQUIREMENT OF CONTRACT</b> <b>ES : F : 009</b>	
			<b>Page No.: 13 of 19</b>	
<b>SCHEDULE TO BE FURNISHED BY THE TENDERER</b>				
<p>1. Bidder shall submit the following technical proposal documents (a detailed write-up on his erection plan) along with the offer indicating the proposal to achieve the milestone dates, giving details of erection sequence, manpower deployment plan and T&amp;P deployment plan for the various erection activities. The bidder shall submit histograms for Equipment, Staff and Labour to be deployed on the Work.</p> <ol style="list-style-type: none"> <li>Method Statements along with appropriate drawings for pre-assembly works, dismantling works and erection works</li> <li>Site establishment plan based on the ESP layout drawing provided, showing the locations of site office, storage yard, tower crane location, mobile crane/ trailer movement to facilitate the pre-assembly works, dismantling works and the erection works</li> <li>Cycle time calculations for critical activities</li> <li>Rated Load chart, Range diagrams, Manual of the proposed tower crane</li> <li>Rated Load chart, Range diagrams, Manual of the proposed mobile crane</li> </ol> <p>2. Bidders are required to submit details for the above. Bids received without above documentary proof are liable to be rejected.</p> <p>3. The Tenderer is required to submit the following schedule along with his offer.</p>				
Schedule-A	PERT / CPM Bar Chart showing Work Breakdown Structure, time schedule and Milestone dates			
Schedule-B	Schedule of Plant, Equipment and Tools			
Schedule-C	Schedule of Project Staff ( identifying skill and work area)			
Schedule-D	Schedule of Labour -Day wise deployment of skilled / semiskilled / unskilled and other categories of workers to suit the above programme.			
Schedule-E	Schedule of Consumables ( LPG, Oxygen, Welding Electrodes, etc.,)			
Schedule-F	Day wise schedule of erection quantities			
Schedule-G	Construction power / electricity required for / Office / stores / workshop sheds, etc. of the tenderer in the following format.			
Electricity required for		Average	Peak	
<b>Construction : (Scope of work covered in this tender )</b>	Amp			
	KVA			
<b>Office &amp; Storage sheds</b>	Amp			
	KVA			
Note-1	Tender offers are liable to be rejected in the event of non-submission of above schedules along with the offer complete with all the details asked for.			
Note-2	Contractor may also indicate their ability in completing the contract in a period shorter than that mentioned.			
Date :				
SIGNATURE OF THE BIDDER				

 <b>Ranipet</b>	<b>Bharat Heavy Electricals Limited</b> <b>Boiler Auxiliaries Plant, Ranipet –632 406</b> <b>ERECTION SERVICES DEPARTMENT</b>		STATUTORY REQUIREMENT OF CONTRACT <b>ES : F : 009</b>
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<b>ANALYSIS OF UNIT RATE QUOTED (Only Percentages to be Quoted)</b>			
Sl-No	Description	Percentage of the rate quoted	Remarks, If any
1	Site facilities viz. electricity, water, workshop and  other infrastructure facilities		
2	Salary & wages for staff and workers		
3	Consumables a) Gases b) Electrodes c) Steel materials d) Others		
4	Depreciation and maintenance for T&P, other items		
5	Establishment and Administration expenses of sites		
6	Retrenchment benefit		
7	Overheads		
8	Extra work incidental to erection		
NOTE: All Bidders are requested to take care that the rates quoted by them are not disclosed in any way while furnishing the above details.			
Date :		SIGNATURE OF THE BIDDER	







Sl-No	Name of the equipment	Total Qty Available	Qty proposed to be deployed	Type, capacity, Specification	Year of Make	Date of Purchase	Registration Number	Present Location	Utility factor of the Machine
29	Gas Welding and cutting accessories with 20M long hose								
30	Spirit level 0.02 mm/M								
31	Tacho Meter								
32	Megger								
33	Various sizes of portable grinders								
34	Bench grinder								
35	Heavy duty high speed portable grinder								
36	Flexible shaft grinders								
37	Pneumatic drill ½" & 1"								
38	Torque wrenches 300mm 450mm 600mm								
39	Pull lifts 1.5T Capacity 3T Capacity 6T Capacity								
40	Compensating Cables								
41	Steel wire ropes for guy ropes								
42	Bench files of various sizes								

NOTE: Details of Maintenance facilities to be provided at Site for maintaining the various Equipment:

Date :

SIGNATURE OF THE BIDDER

	<b>Bharat Heavy Electricals Limited</b> <b>Boiler Auxiliaries Plant, Ranipet –632 406</b> <b>ERECTION SERVICES DEPARTMENT</b>					<b>STATUTORY REQUIREMENT OF CONTRACT</b> <b>ES : F : 009</b>
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<b>B-I</b> <b>ANALYSIS OF SIMILAR JOBS EXECUTED / IN PROGRESS IN THE LAST SEVEN YEARS</b>						
SI-No	Details of Jobs Executed/ In Progress with Location of Projects	Financial Value of the contracts	Number of Strikes/ Work Stoppages with duration and Mandays Lost	Number Accidents Fatal/Minor	Details of the Insurance provided for the workers for Accidents/ Deaths	Details of safety equipments provided to workers
Use Annexures-If required						
						Signature of the Bidder

 <b>BHEL</b> <b>Ranipet</b>	<b>Bharat Heavy Electricals Limited</b> <b>Boiler Auxiliaries Plant, Ranipet –632 406</b> <b>ERECTION SERVICES DEPARTMENT</b>						<b>STATUTORY REQUIREMENT OF CONTRACT</b> <b>ES : F : 009</b>	
							<b>Page No.: 19 of 19</b>	
<b>B – II</b>								
<b>Previous Experience ( FOR ESP PROJECTS ONLY )</b>								
Sl-No	Name of the Project with unit capacity	Date of Letter of Intent	Date of Start of Erection	Date of Collecting Electrode Loading	Trail run of rapping Motors	Date of Air Tightness Test	Date of GD Test	Testing & Commissioning
Use Annexures-If required								
								Signature of the Bidder

**PART-II**

**PRICE BID**

**(BAP-ERN-NKP-ESP-IP-C-284 DT: 13-Apr-2017)**

**SCHEDULE OF RATES & QUANTITIES**

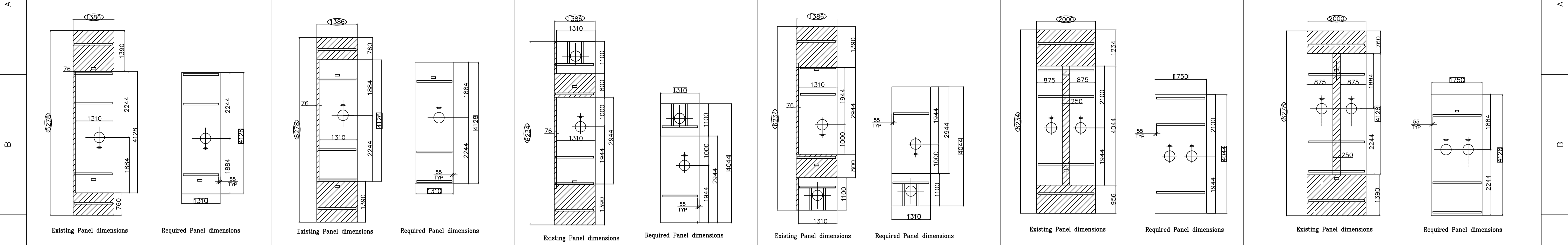
Modification of ESP-Insulator Panel as per modification drawing 1-79-846-06725 and as per Technical Specification u/Ref.: AQCS: PE: NTPC: NK: IP: TA Dated 02-03-2017.

<b>S.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>Unit</b>	<b>QTY</b>	<b>RATE/UNIT RS. PS.</b>	<b>AMOUNT RS. PS.</b>
A	<b>Collection of ESP-Insulator Panels from BHEL stores, transporting to identified area, modification of the same by gas cutting and edge preparation and welding as per drawing no 1-79-846-06725, Technical Specification and as per the instructions of BHEL Engineers, arranging for BHEL/NTPC inspection and handing over of all materials back to BHEL/ PSWR stores complete by using contractor's own tools, hydra, tractor trailers, consumables man power etc. at 3X660 MW North karanpura STPP. Total approximate work involved in each unit is (a) Gas Cutting for a length of 1618 Meter (b) Welding length for 635 Meters (c) Wt. of materials to be handled is 77 MT.</b>	Units	3		
	Service Tax @ _____ %				
	Total amount including Service Tax				

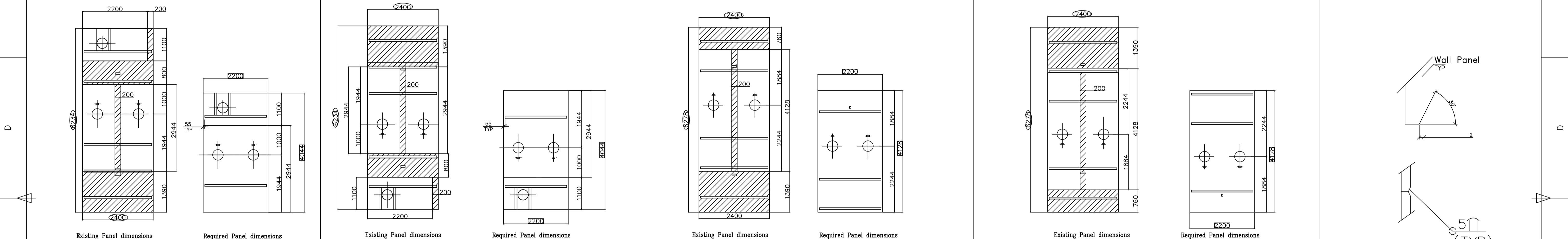
**SIGNATURE OF BIDDER**

# ESP INNER ROOF PANEL MODIFICATION DETAILS

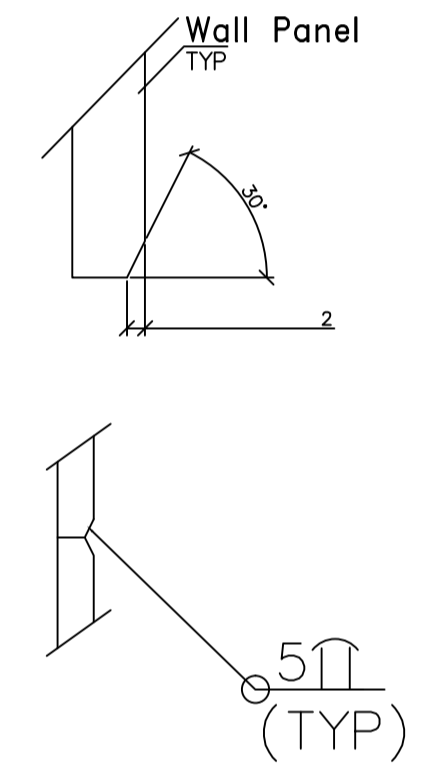
ALL DIMENSIONS ARE IN MILLIMETERS



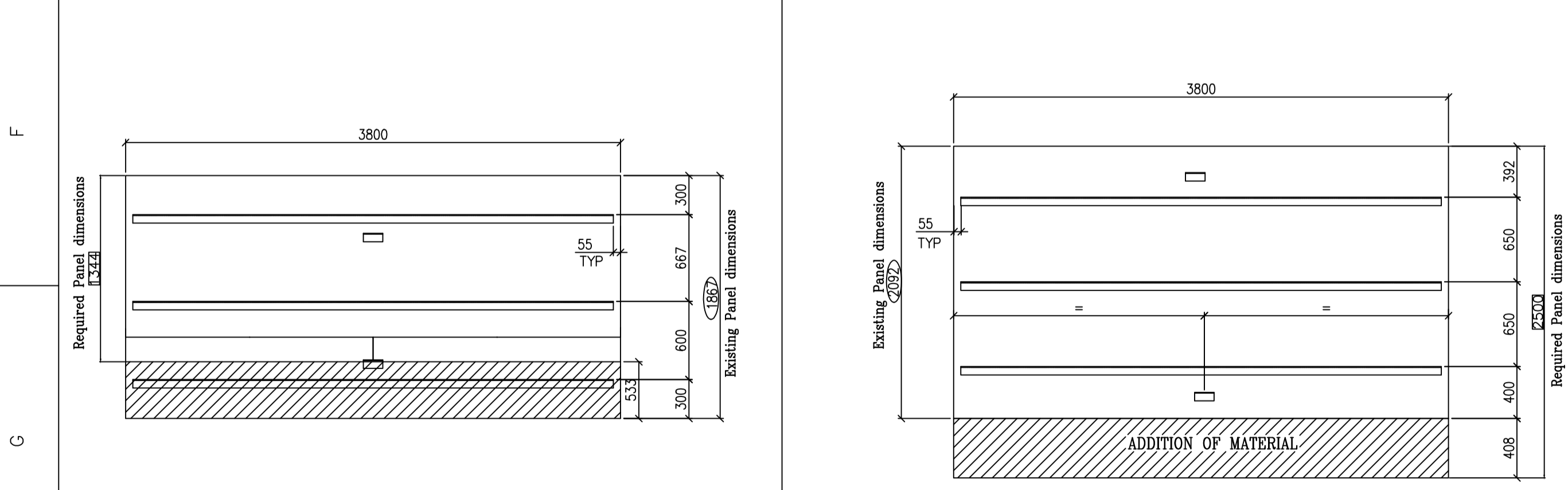
PGMA	DU	QTY	Unit WT in Kg	Total WT in Kg	Gas cutting length in mm	Welding length in mm
79-846	007	08	275.265	2202.120	6748	NIL
79-846	008	08	275.265	2202.120	6748	NIL
79-846	009	08	266.449	2131.592	7974	1310
79-846	010	08	266.449	2131.592	7974	1310
79-846	011	08	357.193	2857.544	12088	4044
79-846	012	08	364.986	2919.888	12088	4044



PGMA	DU	QTY	Unit WT in Kg	Total WT in Kg	Gas cutting length in mm	Welding length in mm
79-846	013	28	443.278	12411.784	8100	5144
79-846	014	28	443.278	12411.784	8100	5144
79-846	015	28	460.789	12902.092	13056	4128
79-846	018	28	460.789	12902.092	13056	4128



The preparation for joint weld is opposite to the stiffner side.



PGMA	DU	QTY	Unit WT in Kg	Total WT in Kg	Gas cutting length in mm	Welding length in mm
79-847	002	1	344.576	344.576	3800	NIL
79-847	003	8	551.475	4411.800	NIL	3800

- NOTE:-
1. Modify the panels from existing panels as marked against each DU.
  2. Hatched portion to be removed as per dimension given. (DU-007,008,011,012,015 & 018)
  3. Hatched portion to be removed and remaining portion to be welded together. (DU-009,010,031 & 014)
  4. Existing Dimensions are indicated in
  5. To Be Modified Dimensions are indicated in
  6. These are existing Panels at site against the dimension indicated. The same are to be modified as per dimension
  7. PLATE THICKNESS :6MM- WELDING ELECTRODE:E6013
  8. QUANTITIES AND WEIGHT INDICATED ARE FOR ONE UNIT ONLY.
  9. These modifications are to be carried out for three units.
  10. Total weight of Panels for one unit after modification:: 77.062 MT
  11. Total Gas cutting involved in metre:: 1617.496 m.
  12. Total welding involved in metre:: 635.296 m

CAUTION: The information on this document is the property of Bharat Heavy Electricals Ltd. It is not to be used directly or indirectly in any way detrimental to the interest of the company.		TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT 05-227/D <b>Bharat Heavy Electricals Ltd</b> BOILER AUXILIARIES PLANT RANIPET-632 406	
DRN: KCM CHD: BV REDDY APPD: C.GANESH	NAME: KCM SIGNATURE: [Signature] DATE: 14.03.17 DATE: 14.03.17 DATE: 14.03.17	DEPT: AQCS CODE: 862	GRADE OF UNTOOL: DM PR:QA-500
SCALE: NTS WEIGHT (Kg): *	REF TO ASSY / OLD DWG:	TITLE: INNER ROOF PANEL MODIFICATION	DRAWING NO: 1-79-846-06725 REV: 00

REV	DATE	ALTERED:
ZONE		CHECKED: