

Bharat Heavy Electricals Limited
High Pressure Boiler Plant
Tiruchirappalli – 620 014. India
Civil Engineering Department (Township)

TENDER DOCUMENT (PRICE BID)

Name of work : Design, fabrication, supply and erection of Pre Engineered steel Building including crane girder, roof & side cladding, accessories, sky light panels, roof/ turbo ventilator etc, for production Shop Floors of PPPU BHEL near Thirumayam in Pudukkottai (Dt) (Tamilnadu).

Value of work :

Tender Notice No. : Township 06 / 10

Tender Schedule No. : T 25 / 10

Period of Contract : 9 Months

Issued to :



BHARAT HEAVY ELECTRICALS LIMITED
(A Government of India Undertaking)
Unit : TIRUVERUMBUR, BOILER PROJECT, P.O.
TIRUCHIRAPALLI - 620 014.

CIVIL ENGINEERING DEPARTMENT

NOTICE INVITING TENDER

01. Name of Work : **Design, fabrication, supply and erection of Pre Engineered steel Building including crane girder, roof & side cladding, accessories, skylight panels, roof/ turbo ventilator etc, for production Shop Floors of PPPU - BHEL near Thirumayam in Pudukkottai (Dt) (Tamilnadu)**
02. Estimated Cost :
03. Earnest Money Deposit : **Rs.2,00,000/-**
04. Completion Time : **NINE (9) Months**
(From the date of commencement of the work which will be reckoned from the date of handing over of the site to the Contractor)
05. Cost of Tender Document : **Rs.750/-** (including Sales Tax)
This amount will not be refunded under any circumstances
06. Last Date for Receipt of Tenders : **09.30 Hrs. on 14.07.2010**
07. Date of Tender Opening : **10.00 Hrs. on 14.07.2010**
08. Maintenance Period : 12 (Twelve Months from the date of actual completion of the entire work and handing over to Bharat Heavy Electricals Limited)

Tender document contains **139** pages in Qualification Bid and **25** pages in Price Bid including Bill of Quantities, Drawing etc.

Issued to Messrs. / Thiru :

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ISSUING OFFICER

**BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPPALLI – 620 014**

CIVIL ENGINEERING DEPARTMENT (TOWNSHIP)

PREAMBLE

1. The scope of work includes **Design, fabrication, supply and erection of Pre Engineered steel Building including crane girder, roof & side cladding, accessories, sky light panels, roof/ turbo ventilator etc, for production Shop Floors of PPPU - BHEL near Thirumayam in Pudukkottai (Dt) (Tamilnadu).**
2. Time is the essence of the contract. Being a time bound project with capital expenditure, the contractor should make all efforts to complete the work in time. Even though the overall completion period is indicated as **9 months**, the shop floor and other works shall be completed progressively and handed over bay wise as per agreed split up schedule.
3. The tenderers are advised to visit the plant area near Thirumayam in Pudukkottai (Dt.) and get themselves acquainted with the site conditions before submitting the offer
4. **The following eligibility criteria shall be complied to fulfill the Qualification Bid**
 - a) The tenderer should have EPF, PAN, Service Tax New Registration No., proof of having submitted IT return for the last three years, Profit & Loss account and balance sheet certified by the auditor.
 - b) Average annual turnover in PEB in the last three years should be Rs. 40 crores
 - c) During last three years should have successfully completed at least One Pre Engineered Building work not less Rs. 40 crores
 - d) Latest Solvency (obtained within 6 months) from Nationalised / Schedule Bank shall be at least for Rs. 40 crores
 - e) Should possess own Pre Engineering Building components manufacturing facility and design capability to match the present requirement.
 - f) Should have designed and supplied PEB's with EOT crane capacity of 50 Tonnes and higher
5. The works executed in the own name of the tenderer only will be considered for eligibility criteria. The nominated committee may also visit the works executed by the contractor to ascertain the nature of work relating to PEB works before qualifying.
6. The tenderer is required to execute integrity pact in the prescribed pro forma with BHEL if qualified. The price bid of the respective tenderer will be opened only on submission of the said pact.
7. BHEL reserves its right to reject the tender on account of unsatisfactory past performance by the present tenderer in another project / sister unit awarded under different enquiry.
8. Dissimilar / irrelevant works will not be considered for eligibility criteria.
9. Documentary evidences (Xerox copies - attested) for turnover, works experience, P.F, & Sales Tax registration etc., all as indicated above & required in the tender document should be furnished without which it will not be taken into account.

10. The norms for qualification with prescribed score are attached in the Qualification Bid Document. Evaluation will be done accordingly. Minimum score required for qualification is 60.
11. If required the tenderer may have to execute additional scope of work at proportionate cost upto 20 % of the present contract value, keeping other terms and conditions unaltered.
12. Quoted rate shall be firm throughout the contract period of **9 months** and no cost escalation is allowed on any account.
13. The rate offered is for finished item of works and shall provide for the complete cost towards fuel, tools, tackles, plant & machinery, temporary works, labour, materials, levies, taxes, transport, lay-out, repairs, rectifications, maintenance till handing over, supervision, labour colonies, establishment, services, revenue expenses, overheads, profits & all other incidentals etc., complete. **However if the service tax is applicable for this contract work and free issue materials, the same will be reimbursed on production of valid document proof for having paid service tax by the contractor.**
14. Usually, working hours are limited to day time only. In emergency cases to carryout works during nights, it may be done so with the specific prior permission of BHEL. In such case, it is to be carried out in the presence of BHEL officials or their authorized persons.
15. The work shall be carried out as per Civil Engineering Department Work & Safety procedure, AWS / BIS specifications, standard code of practice and as per the instructions of Engineer-in-charge. The brief description of items of work is given in the bill of quantities provided in the Price Bid. **Tenderer has to quote rates both in figures and in words for all the items given in the Bill of Quantities provided in the Price Bid. (From page No. 16 to 17).**
16. For any item of work not covered in Bill of Quantities, the rate will be arrived at based on the conditions given in BHEL General Conditions of Contract in force.
17. **The contractor has to furnish the security deposit, as per Clause 13 of Tender Notice, attached in the Price Bid if the work is awarded. Also it is to be noted that after award of work the contractor has to furnish 50 % of security deposit before the commencement of work.**
18. The contractor should deploy the erection machineries like crane etc., required for the work at site till completion and handing over of the building. Also adequate number of the following tools & Plants / instruments shall be made available always at site for the works.
 - a) Precise Leveling instruments and total station
 - b) Laser beam instruments for accurate measurements
 - c) Inter carting vehicle (tractor, hand trolley etc)
 - d) Hydra cranes
 - e) Power operated winches
 - f) Mobile / Hydraulic crane
 - g) Welding machine etc.
19. Since the responsibility for the quality, workmanship and accuracy of any work being carried out under this contract lies with the contractor, the contractor should ensure that no work is done without the presence of contractor's representative at the work spot.

20. Statement of completed works with detailed measurements along with material reconciliation statements shall be submitted by the contractor in the last week of every month for processing bill.
21. The decision of Engineer-in-charge shall be final and binding on the contractor regarding clarification of items in this tender schedule.
22. The works contract to be entered into with the successful tenderer will be governed by the BHEL Revised General Conditions of Contract in force.
23. The contractor shall strictly adhere to various labour laws in force.
24. The contractor has to submit the list of machineries to be deployed exclusively for this work, organization chart of their set up for the works and any change thereafter in the organization set up shall have the prior approval of BHEL.
25. The contractor should submit the programme for the completion of work and the list of machineries and site personnel to be deployed for the work along with tender.
26. The contractor should establish his own site office, fabrication yard, handling facility, storage facility etc., for which vacant land will be allotted on specific request for which the rent will not be collected.
27. The contractor is required to carry out erection activities as directed by the department officials. It is required to engage certain minimum strength of staff for effective supervision of works as indicated below:

Site in-charge / Construction Manager	-	1 No.
Planning Engineer and coordinator	-	1 No.
Qualified Surveyor	-	1 No.
Civil Engineer (Graduate in Civil Engineering)	-	1 No.
Structural Engineer (Graduate in Mechanical / Civil Engg.) -	2 Nos.	
Supervisor/Engineer (Diploma Holder)	-	3 Nos.
28. Adequate number of Quality Engineer and qualified Safety Engineer should be deployed at site.
29. To safeguard the persons working at height in roof, wall etc., sufficient number of Industrial Safety nets shall be provided at tenderer's cost in appropriate level and locations. The working hand including Supervisors, Engineers should wear the personal protective items and safety measures such as helmets, safety belts, shoes, etc., before entering into working place.
30. The tenderer has to deploy adequate labour of required categories such as Unskilled, Skilled, Welder, Fitter, Mistry, Technically experienced, etc. so as to execute the works simultaneously in all areas of work. Expertise labour only to be engaged for specialized items of work and the technical persons with experience shall have to produce valid certificate for verification.
31. The contractor shall follow norms of BHEL security system for movement of men & materials within the complex.
32. Exclusive Stores personnel should be engaged who would co ordinate with department official for clearance and collection of BHEL supplied materials if any for works.
33. Separate non-technical persons should be engaged for arranging daily gate passes for labours and vehicles entry in all the gates of the site Complex.

34. The tenderer shall carry out health performance test at his cost for all the workmen engaged in the work through a registered medical practitioner and produce certificate on demand.
35. It shall be the responsibility of the contractor to see that the workmen do not utilize the departmental canteen facilities. Contractor has to make his own arrangements to provide refreshment for the workmen.
36. All the works shall be executed as per the standard specifications as provided in TNBP / BIS.
37. The contractor should maintain proper accounts for materials if any supplied by the department and the same should be available at the site of work for verification and check by the Officials of this Organisation at any time.
38. All materials brought by the Contractor for incorporation in the work shall be got inspected and approved by the Engineer-in-charge before they are incorporated in the work.
39. The contractor should use only the materials of brand and quality as approved by BHEL.
40. All materials and consumables brought by the contractor should have manufacturer's certificate.
41. All tools and plants required for all the works covered under this contract will have to be brought by the contractor.
42. All safety measures are to be followed during execution of work, particularly while working at heights. Sufficient care shall be taken by the contractor to avoid damages to the buried pipe lines, cables and other infrastructure like railway lines if any etc.
43. Contractor's materials and tools & plants shall have to be brought inside factory with proper invoice / voucher and make necessary entry in the security gate. They should maintain proper record for tools and plants, materials, etc., brought inside the factory complex.
44. The contractor should extend full co-operation with the third party inspection agencies engaged by BHEL to adhere to the Quality Control Procedures at the places of fabrication and erection .
45. The contractor should extend full co-operation to the other contractors who may be doing other works in the same area to enable them to execute their portions of work without any delay or difficulty.
46. The Contractor will have to make his own arrangements for water & compressed air without any extra claims.
47. On the written request from the contractor **Electrical energy required for the work may be given by this organization at any one point at the site of work at chargeable basis.** The approximate power requirement shall have to be indicated while submitting the tender. BHEL does not accept any liability whatsoever for non-supply, delay in supply or failure of supply of electrical energy. Contractor shall ensure that there is no wastage of electrical energy otherwise supply is liable to be stopped at contractor's risk and cost. The contractor shall make leak proof / fire proof shed and provide control panel board of required capacity and lay the required cables at their own cost for further distribution.

48. Purchase preference policy if applicable will be extended to CPSE bidders subject to other terms & conditions as provided in the office memorandum issued by DPE. The tenderer has to furnish copy of Government circular for claiming purchase preference.
49. Tenderers are requested to furnish the duly filled in E format attached as separate sheet along with a cancelled cheque leaf to accept Electronic fund transfer / R T G S transfer for any payment from BHEL, Trichy.
50. The main work order may further be split into few sub work orders. The process of billing, material tallying and submission of completion reports will be according to the individual sub work orders.
51. Bank Guarantee format can be obtained after award of work in case of successful tenderer.
52. No advance / mobilization advance is payable for this work.
53. LD / Penalty clause is applicable as per General Conditions of Contract in force.
54. BHEL reserves its right to accept / reject any or all the tenders without assigning any reasons.
55. Also BHEL reserves its right to finalize the contract through reverse auction for which only qualified tenderers will be provided with necessary documents containing reverse auction rules, terms and conditions for this purpose.
56. The contractor should deploy precise instruments like total station, measuring devices using laser beam to ensure error free line, level and alignment of holding down bolts etc. The contractor is required to deploy skilled experienced labourers in handling such instruments and has to coordinate with other agencies like civil contractors to achieve accuracy for trouble free erection of structures.
57. The contractor shall effect and maintain professional indemnity insurance for the amount equal to Indian Rupees 25 Lakhs. The contractor shall produce evidence of coverage of the professional indemnity insurance before any payment is released. The insurance which shall insure the contractor's liability by reason of professional negligence and errors in the design of the works shall be valid for 5 years from the date of issue of Completion certificate. The employer will not issue final payment certificate until the contractor has produced evidence that coverage of professional indemnity insurance has been provided for the aforesaid period

INSTRUCTIONS TO TENDERERS

1. The tender is open to all Contractors. The Contractors not borne on the approved list of contractors of this Organisation must submit the following testimonials simultaneously with their tenders.
 - i. A Certificate to establish that the tenderer is an independent contractor working on his own
 - ii. At least two certificates from responsible Officers of Government of Firms of repute, regarding the tenderer's capacity to undertake and carryout the work tendered for or similar work satisfactorily.

NOTE :

- a) Copies of testimonials unless attested by a Gazetted Officer will not be accepted
- b) Non – Submission of the above testimonials simultaneously with the tenders may result in the tender being rejected
2. The tenders should be accompanied by a list of contracts already held by the contractor at the time of submitting the tender and giving the following particulars
 - a) Value of each contract
 - b) The balance value of work to be done on the same
3. The tenderer is advised to obtain the tender documents in person or by a messenger duly authorized to do so. The BHARAT HEAVY ELECTRICALS LIMITED will not under any circumstances accept responsibility for the non – receipt of delay in the receipt of the tender documents by the tenderer.
4. Rate for each item of the tender schedule should be quoted in FIGURES and in WORDS. In case of any difference in the rates quoted in figures and in words, the lower of the two rates will be taken as the tendered rate. Unit rate quoted shall be the basis for arriving the total value of the tender. The total amount for every item shall be arrived by multiplying the unit rate with the quantity indicated for that item. In case of any arithmetic deviation is noticed in the total amount, the same will be corrected and evaluated by taking unit rate as basis and multiplying with the quantity indicated.
5. Rate quoted shall include all royalties, terminal taxes, Octroi duties, Central or Provincial Excise Tax, Sales Tax and any other taxes leviable under the State or Central Government rules. The Bharat Heavy Electricals Ltd., will not entertain any claim whatever in this respect. **However if the service tax is applicable for this contract work including free issue materials, the same will be reimbursed on submission of the documentary evidence for having paid service tax by the tenderer.**
6. Should a tender find discrepancies or omissions in the drawings or any of the tender documents or should be in doubt as to their meaning, he should at once address the authority inviting the tender for clarification. Every endeavor is made to avoid any error which can materially affect the basis of the tender but the successful tenderer shall take upon himself to provide for the risk of any error which may be subsequently by discovered and shall make no subsequent claim on account thereof.
7. Tenders submitted by post should be sent "Registered Post with Acknowledgement due". These should be posted with due allowance for any delay in postal delivery. Tenders received after the due date and time of opening, tenders are liable to be rejected.

8. Where the tender called for covers only the building work and excludes internal services such as sanitary and water supply installations, electrification etc., the building contractor will have to leave pockets, holes, etc., as required for other works and will have to phase his work to ensure smooth progress of the work of the other agencies also as directed by the Engineer – in – charge.
9. Where the tender schedule contains special items of work such special floor finishes, foam concrete for insulation, special water proofing treatment to roofs etc., it will be entirely at the discretion of the Project Authorities to allot these items of work to other contractors specialized in these works. In such cases, the main building Contractor will have to tender all necessary co-operation to the agencies involved so as to ensure the smooth progress of all work.
10. The contractor's responsibility under this contract shall commence from the date of receipt of the LOI by the tenderer. The scheduled period of completion for this work will be as mentioned in page No. 02, and the Contractor will have to plan his work accordingly.
11. The maintenance period for this work is TWELVE (12) MONTHS .

12. Earnest Money Deposit:

Earnest Money is to be paid by each tenderer to ensure that the tenderer does not refuse to execute the work after it is awarded to him. Shall also be furnished in the form of Pay Order or Demand Draft in favour of BHEL, EMD in any other form will not be accepted. The rate of earnest money deposit shall be as under:

Works costing up to Rs. 2 lakhs	NIL
Works costing more than Rs.2 lakh and up to Rs. 5 lakhs	Rs. 10,000/-
Works costing more than Rs.5 lakhs and up to Rs.10 lakhs	Rs. 20,000/-
Works costing more than Rs.10 lakhs and up to Rs.20 lakhs	Rs. 40,000/-
Works costing more than Rs.20 lakhs and up to Rs.30 lakhs	Rs. 60,000/-
Works costing more than Rs.30 lakhs and up to Rs.50 lakhs	Rs. 1,00,000/-
Works costing more than Rs.50 lakhs and up to Rs.100 lakhs	Rs. 1,50,000/-
Works costing more than Rs.100 lakhs	Rs. 2,00,000/-

One time EMD will also be Rs.2 Lakh.

EMD by the Tenderer will be forfeited if,

- a) After opening the tender, the tenderer revokes his tender within the validity period or increases his earlier quoted rates.
 - c) The tenderer does not commence the work within the period as per LOI / Contract. In case the LOI / contract is silent in this regard then within 15 days after award of contract.
 - c) EMD given by all unsuccessful tenderers shall be refunded normally within fifteen days of acceptance of award of work by the successful tenderer.
 - d) EMD shall not carry any interest.
13. Should a tenderer or a contractor on the list of approved Contractors have a relative, or in the case of a firm or Company of contractors any of its share holders or shareholder's relative, employed in a gazetted capacity in the Engineering Department of the Bharat Heavy Electricals Limited, the authority inviting tenders shall be informed of this fact at the time of submission of the tender, failing which tender, may be disqualified or if such fact subsequently comes to light, the contract may be rescinded in accordance with the relevant provisions in the General Conditions of Contract.
 14. If tenderer expires after the submission of his tender or after the acceptance of his tender the BHEL may, at their discretion, cancel such tender. If a partner of a firm expires after submission of tender or after the acceptance of the Tender, BHEL may cancel such Tender at their discretion unless the firm retain its character.

15. The Bharat Heavy Electricals Limited will not be bound by any power of attorney granted by the tenderer or by changes in the composition of firm made subsequent to the execution of the contract. They may however dispatch such power of attorney and changes after obtaining proper legal advice the cost of which will be chargeable to the contract concerned.
16. If the tenderer deliberately gives wrong information in his tender or creates conditions favourable for the acceptance of his tender, the Bharat heavy Electricals Limited, reserves the right to reject such tender at any stage. Also BHEL reserves its right to finalize the contract through reverse auction for which only qualified tenderers will be provided with necessary documents containing reverse auction rules, terms and conditions for this purpose.
17. Words importing the singular number shall also be deemed to include the plural number and vice versa where the context so requires.
18. The expenses for completing and stamping the agreement shall be paid by the contractor.
19. The General and special conditions are complementary to each other and where they are conflict the Special Conditions shall prevail. In regard to matters not covered by the General and Special Conditions of Contract, those contained in the Tamil Nadu Building Practice Standard Specifications or other specifications approved by the Bharat Heavy Limited, Shall apply.
20. Tenderers shall not increase their quoted rate in case the Bharat Heavy Electricals Limited, negotiates for negotiation for reduction of rate. Such negotiation shall not amount to cancellation or withdrawal of the original offer and the rate originally quoted shall be binding on the tenderes for a period of three months from the date of opening of tenders.
21. Canvassing in any form in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection
22. All contractors will have to produce copy of Income tax Return for the last three years along with their tenders. Those Contractors whose income is not taxable will be required to give an affidavit of their income on the prescribed form.

23 TIME ALLOWED (Period of Contract)

The following programme should be strictly followed.

1	Design and issue of approved column foundation (pedestal) drawing	Within three weeks from the date of LOI
2	Design and issue of holding down bolts	Progressively from the completion of first month of issue of LOI to suit uninterrupted progress by Civil contractor
3	Design, fabrication and supply of PEB components including accessories.	Progressively within 12 weeks of approval of drawing.
4	Painting and erection of PEB including roofing, side cladding and all accessories as in scope	Progressively within 12 weeks of receipt of first consignment at site

MANDATORY COMMERCIAL ACCEPTANCE TERMS

Terms of Payment:

- 1) 80% progressive payment on receipt of sequential acceptable PEB components at site on pro-rata basis against approved BOQ.
- 2) 10% on erection on pro rata basis of identified PEB components.
- 3) 10% on successful commissioning and handing over of the PEB against a performance bank guarantee valid up to the warranty period of one year.
- 4) No mobilization advance is entertained.

Corporate Warranty:

The tenderer shall furnish Corporate Guarantees for 10 years against structural stability and roof leak proofness for all structures.

Nature of award of Contract:

Only an indivisible contract shall be executed including supply, erection and handing over. No other form of contract shall be entertained.

Material & QCP

Before commencing fabrication, the tenderer shall obtain BHEL's prior approval for the usage of material. The tenderer shall produce necessary documentation (material test reports). The material should be sourced from the under mentioned sources preferably.

Steel for Frames- Essar Steel / Jindal / SAIL / ISPAT/ Tata / RINL

Roof and wall cladding coils- Tata Bluescope / NIPPON / Union Steel

The tenderer shall submit the proposed quality control procedure for fabrication and erection along with the tender.

General:

The general approach and methodology proposed for carrying out the items covered in the Scope of work should be submitted, including such detailed information as deemed relevant. Apart from the above, contractor shall provide details and number of equipments, to be mobilized to complete work as per specifications, in stipulated time schedule.

Detailed overall work programme and a bar chart indicating the duration and timing of all major activities showing the desired milestones.

List of codes of standards in addition to those mentioned in the specifications.

The tenderers shall submit the quality assurance plan duly signed by the corporate head or any other authorized person.

No information relating to financial terms of services should be included in the Qualification bid. Proposals are to be submitted to determine that the tenderer has a full comprehension of the work. Where a tenderer's technical submittal is found non-complaint with the requirement or work, it may be rejected. This process is to assure that only technically acceptable proposals are considered for the work.

TENDER NOTICE

NAME OF WORK : Design, fabrication, supply and erection of Pre Engineered steel Building including crane girder, roof & side cladding, accessories, sky light panels, roof/ turbo ventilator etc, for production Shop Floors of PPPU - BHEL near Thirumayam in Pudukkottai (Dt) (Tamilnadu).

1. SEALED TENDERS for the above noted work are hereby invited from contractor experienced in works of similar kind and magnitude. Tenders will be received by SR.DY.GENERAL MANAGER / CIVIL / TOWNSHIP Bharat Heavy Electricals Limited, Tiruchirappalli – 620 014. up to **09.30 Hrs** on **14.07.2010** and will be opened on the same day at **10.00** hrs. At the Office of the SR.DY. GENERAL MANAGER / CIVIL / TOWNSHIP in the presence of such of those tenderers. Or their agents who may choose to attend.
2. TENDER FORMS and other particulars regarding the proposed work can be obtained on any working day from 8.00 A.M. to 4.30 P.M. up to **10.07.2010** on payment of the prescribed sum of **Rs.750/** - per set (including Sales Tax) Amount nor refundable.
3. TENDERS must be submitted in sealed covers and should be addressed to **DY.MANAGER/CIVIL/PLANNING (TOWNSHIP)** with full name and address of the tenderer and the name of work being noted on the cover
4. All entries in the tender documents should be in one ink. Erasers and overwritings are not permitted. All cancellations and insertions should be duly signed by the tenderer concerned.
5. TENDERERS should fill in all the required particulars in the blank spaces provided for this purpose in the tender documents and also sign each and every page of Tender Documents including the drawings attached there to before submitting their tender.
6. UNIT rate should be quoted in figures as well as in words with reference to each item and for all the items shown in the attached schedule. These rates shall be for the finished work in site. Amount of each item and the total page by page and also the grand total amount of the whole contract should be filled in by the tenderers. Unit rate quoted shall be the basis for arriving the total value of the tender. The total amount for every item shall be arrived by multiplying the unit rate with the quantity indicated for that item. In case of any deviation is noticed in the total amount, the same will be corrected and evaluated by taking unit rate as basis and multiplying with the quantity indicated.
7. QUANTITIES shown in the attached schedule are only approximate and are liable to variation without entitling the contractors to any variation in the Quoted rates till the total value of the Contract does not vary by more than 20% (twenty percent)
8. In quoting their rates, the tenderers are advised to take account all factors including any fluctuations in the market rates etc. No claim will be entertained on this account after acceptance of the tender or during the currency of the contract.
9. Before tendering, the tenderers are advised to inspect the site of work and its environments and be well acquainted with the actual working and other prevalent conditions position of materials and labour, General and Special Conditions of Contract. Instructions to tenders, drawings and Specifications and all other documents which form part of the Agreements to be entered into.
10. Quoted rate shall be firm throughout the contract period of **9 months** and no cost escalation is allowed on any account.

11. In the event of tender being submitted by firm the tender must be signed separately and legibly by each partner or member of the firm or in their absence, by the person holding the power of attorney on behalf of the firm concerned in the latter case a copy of the power of attorney duly attested by a Gazetted Officer must accompany the tender.
12. Every tender must be accompanied with EMD for the amount as specified in Page No. 02 in any of the form mentioned in Para 12 of the "Instruction to Tenderers". This Earnest Money will be refunded to the unsuccessful tenderers within fifteen days of finalisation of the award of work. In case of the successful tenderer, the Earnest Money will be retained as part of the Security Deposit for satisfactory completion of the work in accordance with Clause 16 of the General Conditions of Contract

NOTE: Cheques, Currency Notes and Money Orders will not be accepted in lieu of the deposit receipt referred to above

13. Security Deposit

13.1 Security Deposit should be collected from the successful tenderer.

The rate of Security Deposit will be as below:

Up to Rs. 10 lakhs	10%
Above Rs. 10 lakhs up to Rs.50 lakhs	Rs.1 lakh + 7.5% of the amount exceeding Rs. 10 lakhs.
Above Rs. 50 lakhs	Rs.4 lakhs + 5% of the amount exceeding Rs. 50 lakhs.

The security Deposit should be collected before start of the work from the contractor.

13.2 Security Deposit may be furnished in any one of the following forms

- i) Cash (as permissible under the Income Tax Act)
- ii) Pay Order, Demand Draft in favour of BHEL.
- iii) Local cheques of scheduled banks, subject to realization.
- iv) Securities available from Post Offices such as National Savings Certificates, Kisan Vikas Patras etc.

(Certificates should be held in the name of Contractor furnishing the security and duly pledged in favour of BHEL and discharged on the back).

- v) Bank Guarantee from Scheduled Banks / Public Financial Institutions as defined in the Companies Act subject to a maximum of 50% of the total security deposit value. The balance 50% has to be remitted either by cash or in the other form of security. The Bank Guarantee format should have the approval of BHEL.
- vi) Fixed Deposit Receipt issued by Scheduled Banks / Public Financial Institutions as defined in the Companies Act. The FDR should be in the name of the contractor, A/C BHEL, duly discharged on the back.
- vii) Security deposit can also be recovered at the rate of 10% from the running bills. However in such cases at least 50% of the Security Deposit should be collected before start of the work and the balance 50% may be recovered from the running bills.

- viii) EMD of the successful tenderer shall be converted and adjusted against the security deposit.
- ix) The security deposit shall not carry any interest.

NOTE: Acceptance of Security Deposit against Sl. No. (iv) and (vi) above will be subject to hypothecation or endorsement on the documents in favour of BHEL. However, 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.

14. Unless the contractor whose tender is accepted signs the Contract Agreements and makes the necessary security deposit specified in Para 13 above within Seven days of the date of the order directing him to do so the amount of Earnest Money Deposit already deposited by him will be forfeited and acceptance of his tender withdrawn.
15. After tender opening if tenderer revokes his tender or increases his earlier quoted percentage rate or after acceptance of his tender does not commence the work in accordance with the instruction of the Engineer-in-charge, the Earnest Money deposited by him will be forfeited and acceptance of his tender withdrawn. If only a part of the work included in the tender had been awarded to the tenderer, the amount of Earnest Money to be forfeited will be based on the value of the contract so awarded.
16. The Bharat Heavy Electricals Limited reserved the right to reject any or all the received or accept any tender or part thereof without assigning any reason thereof. In the case acceptance of part of tender, time for completion may also be reduced to the extent considered appropriate by the Accepting Authority. Also BHEL reserves its right to finalize the contract through reverse auction for which only qualified tenderers will be provided with necessary documents containing reverse auction rules, terms and conditions for this purpose.
17. Conditional and Un witnessed tenders, tender containing absurd rates and amounts tenders which are incomplete or otherwise considered defective and tenders not in accordance with the tender conditions laid down by the Accepting Officer are liable to be rejected.
18. Tenders not submitted on the prescribed form are liable to be rejected
19. The work must be completed within a period as mentioned in page No.2.
20. The Chairman / General Manger / Deputy General Manager / Deputy Manager / Senior Engineer shall be Accepting Officer, herein after referred to as such for the purpose of this contract.
21. This tender notice shall be deemed to form an integral part of the contract to be entered into for this work.
22. The tenderers are advised to go through the condition stipulated in Tender document & code of conduct for 'Health & Safety of Contract Labourer' in details. Any violation thereof will invite punitive action being taken against them. While quoting the rate all the above factors are to be taken into account.

ISSUING OFFICER

CONTRACTOR

ACCEPTING OFFICER

SHEDULE 'A'

LIST OF WORKS AND PRICES

NAME OF WORK: Design, fabrication, supply and erection of Pre Engineered steel Building including crane girder, roof & side cladding, accessories, sky light panels, roof/ turbo ventilator etc, for production Shop Floors of PPPU - BHEL near Thirumayam in Pudukkottai (Dt) (Tamilnadu).

DETAILS & QUANTITIES of each item of work shown in the BILL OF QUANTITIES are only approximate. They are given as a guide for the purpose of tendering only and are liable to variation and alteration of the Competent Authority. The work under each item as executed shall be measured and priced at the corresponding rate quoted by the contractor in the BILL OF QUANTITIES

Sl.No.	Description of work / supplied	Total amount of work / supplies (in figures and words)		Period of contract
		Rs.	Ps.	
1.	Design, fabrication, supply and erection of Pre Engineered steel Building including crane girder, roof & side cladding, accessories, sky light panels, roof/ turbo ventilator etc, for production Shop Floors of PPPU - BHEL near Thirumayam in Pudukkottai (Dt) (Tamilnadu).			9 MONTHS

BILL OF QUANTITIES

Sl. No.	Appx. Qty.	Description of work	TNBP No.	Rate (Both in Unit fig & Words)	Amount	
					Rs.	Ps.

AS PER SEPARATE SHEETS ATTACHED CONTAINING 2 PAGES

FROM SERIAL No. 16 to 17

CONTRACTOR

15

ACCEPTING OFFICER

**BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPPALLI- 620 014**

BILL OF QUANTITIES

Name of work : Design, fabrication, supply and erection of Pre Engineered steel Building including crane girder, roof & side cladding, accessories, sky light panels, roof/ turbo ventilator etc, for production Shop Floors of PPPU - BHEL near Thirumayam in Pudukkottai (Dt) (Tamilnadu).

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Amount
1		Design, fabrication supply and erection of pre-engineered building as per IS: 800-2007 and relevant codes for the following buildings.			
a	1	Low Bay (Bay No.1) of size 30 x 180 M (6 @ 30M) with EOT crane capacity of 20T & 10 T for the entire bay with the detailed scope of work specified in the tender document & attached drawings. The building shall be designed with a provision for future expansion.		LS	
b	1	Low Bays (Bay Nos.2-5) of each size 4 Nos. x 30 x 234 M (30 @ 7.40 M + 1 @ 12.00M) with EOT crane capacity of 20T & 10T, Semi gantry crane of capacity 5T on one side for the entire bay with the detailed scope of work specified in the tender document & attached drawings. The building shall be designed with a provision for future expansion.		LS	

CONTRACTOR

16
ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Amount
---------	----------	---------------------	-------------------------------------	------	--------

c	1	High Bay (Bay No.6) of size 30 x 180 M (6 @ 30M) with EOT crane capacity of 20T& 10T, Semi gantry crane of capacity 5T on one side for the entire bay with the detailed scope of work specified in the tender document & attached drawings. The building shall be designed with a provision for future expansion.		LS	
---	---	---	--	----	--

Total -- -- --

(RUPEES ONLY)

NOTE:-

1. Service Tax will be extra if applicable for this contract. Service Tax paid by the contractor with respect to this work will be reimbursed by BHEL on production of documentary evidence for having paid the service tax.
2. The period of contract is Nine months. The contractor is required to plan accordingly as indicated under Instructions to Tenderers.
3. The tenderer is required to provide breakup quantity & cost of the major components like structural steel, sheeting, polycarbonate sheet, ridge ventilator, turbo ventilator etc. for items 1(a), (b) & (c) separately, matching the quoted value to arrive at unit cost for payment purpose in the price bid cover.
4. However no extra payment will be entertained on account of any increase in the indicated quantity subsequent to detailed Engineering by the tenderer.

CONTRACTOR

17
ACCEPTING OFFICER

SCHEDULE 'B'

1. The following materials will be issued FREE of cost to contractor at PPP Unit / BHEL near Thirumayam, Pudukkottai (Dt) (TamilNadu)

SI.No	Name of Material
01	Crane rail , rail clips and related fixtures

SCHEDULE 'C'

ISSUE OF TOOLS AND PLANTS TO CONTRACTORS

SI.No.	Qty.	Particulars	Details of BHEL Crew Supplied	Hire Charges Per unit Per Day	Place of Issue	Remarks
--------	------	-------------	-------------------------------	-------------------------------	----------------	---------

.....Nil.....

a. Machineries shall not be operated over time without the written permission of the Sr. Engineer / Dy. Manager / Manager.

b. All Coolies, Watermen etc., required in addition to BHEL crew mentioned in column 4 above shall be arranged by the contractor at his own expense.

SCHEDULE 'D'

NOTE: All Drawings are to be signed by the Contractor as well as the officer entering into contract.

SL.No.	DRAWING NUMBER	DESCRIPTION
1	CEG:TP:01:00144	Layout of Plant
2	CEG:TP:01:00210	General arrangement of production shop

SCHEDULE 'E'

LEAD STATEMENT

SI.No	Name of Material	Name of Source	Lead Particulars
1	Cement	NOT APPLICABLE	
2	M.S Rounds,CTD Bars &Structural Steel, rails and all railway materials		
3	A.C./ Galvalume/Polycarbonate Sheets		
4	Cast iron pipes & Specials including pig lead for jointing		

C.A.....Date
(To be used in conjunction with BHE Ltd., General Conditions of Contract)

AUTHORITY TO TENDER

Tender Notice No. **Township 06 / 10**

Office of the
SR.DY.GEN. MANAGER / CIVIL /TOWNSHIP
BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHY – 14.

Tender Schedule No. **T 25 / 10**

Item rate tender for work required Design, fabrication, supply and erection of Pre Engineered steel Building including crane girder, roof & side cladding, accessories, sky light panels, roof/ turbo ventilator etc, for production Shop Floors of PPPU - BHEL near Thirumayam in Pudukkottai (Dt) (Tamilnadu).

Messrs / Mr.

.....of.....

are / is hereby authorized to tender for the above work. The Tender is to be delivered at the Office of the SR.DY.GEN. MANAGER / CIVIL /TOWNSHIP Bharat Heavy Electricals Limited Unit, Thiruverumbur, Tiruchirappalli – 620 014, **up to 09.30 hrs. on 14.07.2010** addressed to the DY.Manager / Civil / Planning (Township), BHEL. Tiruverumbur, Tiruchirapalli – 620 014 superscribing the name of work as mentioned above.

Any correspondence concerning this tender should be addressed as indicated above quoting the Tender Notice, Schedule No. and other relevant particulars.

BHARAT HEAVY ELECTRICALS LIMITED DO NOT BIND THEMSELVES TO ACCEPT THE LOWEST OR ANY TENDER.

Issuing Officer with

Designation

Contract Agreement No.....

TENDER

To

The Sr.Dy. General Manager/Civil/ Township
Bharat Heavy Electricals Limited
Unit : Tiruverumbur
TIRUCHIRAPPALLI – 620 014.

I / We hereby offer to carry out the **Design, fabrication, supply and erection of Pre Engineered steel Building including crane girder, roof & side cladding, accessories, sky light panels, roof/ turbo ventilator etc, for production Shop Floors of PPPU - BHEL near Thirumayam in Pudukkottai (Dt) (Tamilnadu).**

I / We hereby carefully perused the following documents connected with the above noted work and agree to abide by the same.

- 1.Specifications (General & Particular)
- 2.Drawings
- 3.Schedule 'A', 'B', 'C', 'D' & 'E'
- 4.Schedule of Rates
- 5.BHE Ltd., General & Special Conditions of Contract, Tender Notice and Instructions to Tenders attached hereto.

I / We forward herewith the sum of Rs.....as Earnest Money, which shall be refunded should this tender be rejected. I / We further agree to deposit such sum which along with the sum of Rs.....mentioned above shall make up 50% of the fully Security Deposit for this work as provided for under conditions of the BHARAT HEAVY ELECTRICALS LIMITED General Conditions of Contract.

I / We further agree to execute all the work referred to in the said documents upon the terms & conditions contained or referred therein and as detailed in Schedule 'A' and Bill of Quantities annexure thereto and to carry out such deviations as may be ordered, vide conditions 6 of the BHEL Ltd., General Conditions of Contract up to a maximum of 20% of the tendered amount of Rs.....

I / We further agree to refer all disputes, as required by condition 62 of the General conditions of Contract to the sole arbitration of an Officer, to be appointed by the General Manager, B.H.E Ltd., in his sole discretion whose decision shall be final and binding.

WITNESS

Signature of the Contractor

Date :

1.

2.

GENERAL SUMMARY

1.	(a) Net Cost of works or building etc., from Schedule 'A'	Rs.
2.	Provisional sum	Rs.
	
	Total	Rs.
	

Rupees.....
.....
.....

Shri..... in the
capacity of has
been duly authorized by me / us to sign the tender for and on behalf of
.....

(in block letters)

Date :

SIGNATURE OF CONTRACTOR

Witness :

Postal Address :

1.....
Address

Telephone No.

2.
Address

CONTRACTOR

ACCEPTING OFFICER

..... alterations have been made in the
Tender Document and as evidence that these alterations were made before the execution of contract
agreement, they have been initialed by the Contractor and the
.....

.....
.....

.....the said officer is hereby authorized to
sign and initial on my behalf the documents forming part of this contract (Number of alternation in
figures and words to be given here)

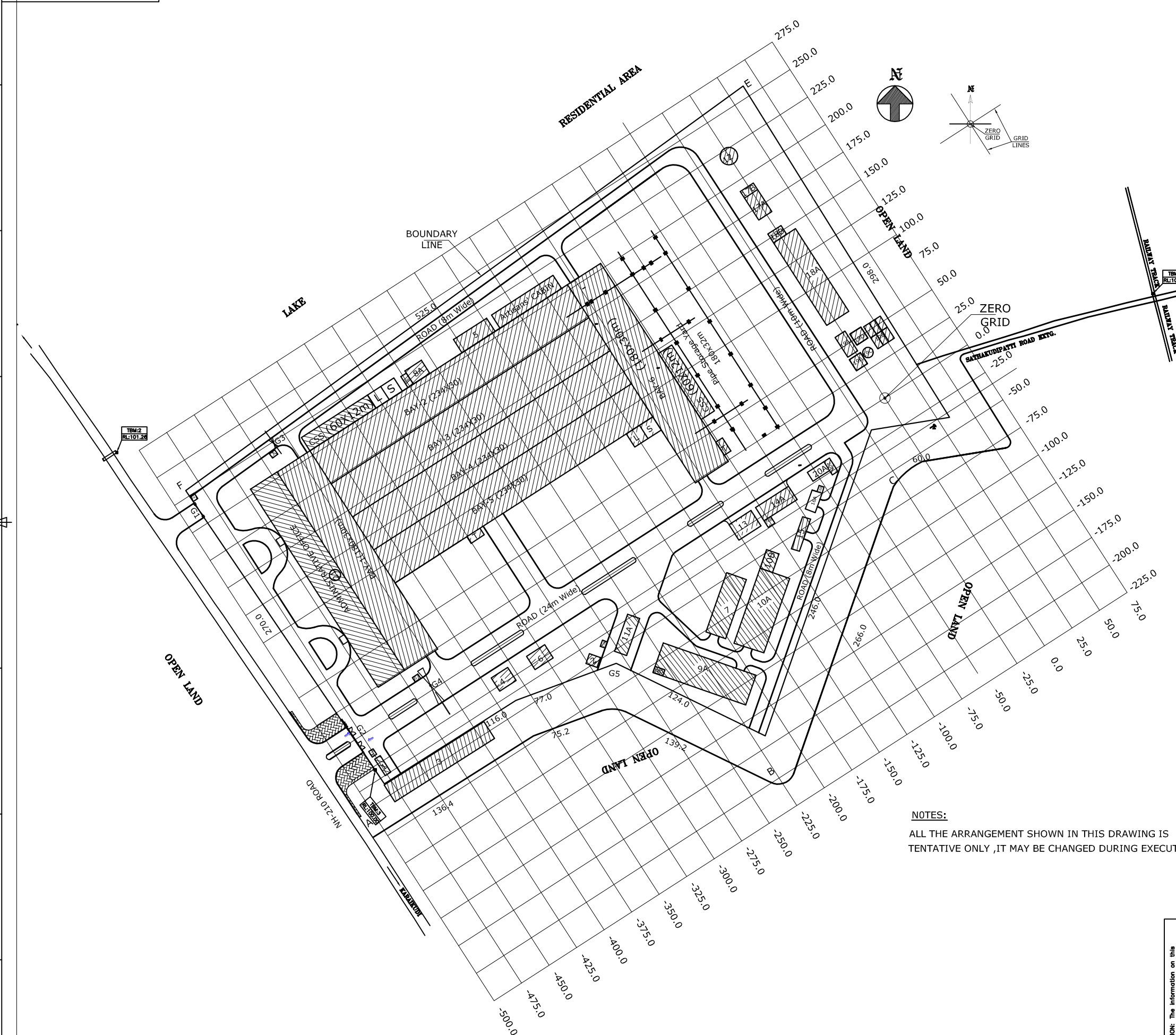
The above tender is accepted by me on behalf of the Bharat Heavy Electricals Limited, Unit:
Thriuverumbur, Tiruchirappalli – 620 014. for a sum of Rs.....

.....
.....

.....at the rates as indicated in
Schedule 'A'.(Bill of Quantities)

SignatureDate.....

Designation

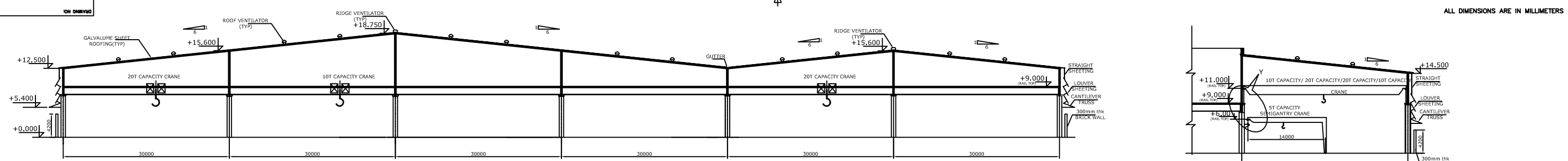


Sl.No	DETAILS
1)	Security Office
2)	Security Booth
3)	Parking Shed
4)	Fire Station
5)	Material Testing Lab
6)	FMC
7)	Canteen
8A)	Transport office
8B)	Transport garage
9A)	Scrap Disposal Yard
9B)	Office room
10A)	Stores office
10B)	Stores bldg-Covered shed
11A)	Weigh Bridge
11B)	Control room
12)	Water Tank
13)	Compressed Air Plant
14A)	Diesel generator plant
14B)	Diesel storage shed
15)	Main Electrical Substation
16)	Liquid Oxygen Plant
17A)	Civil Office
17B)	Civil stores shed
18A)	LPG storage yard & vapouriser
18B)	LPG Control room
19A)	Sewage Treatment plant aeration tank
19B)	Sewage Treatment plant collection sump
19C)	Sewage Treatment plant clarifier
19D)	Sewage Treatment plant filter feed sump
19E)	Sewage Treatment plant sludge drying bed
20A)	Inflammable Stores yard
20B)	Inflammable Stores
21)	Administrative office

NOTES:
ALL THE ARRANGEMENT SHOWN IN THIS DRAWING IS TENTATIVE ONLY ,IT MAY BE CHANGED DURING EXECUTION

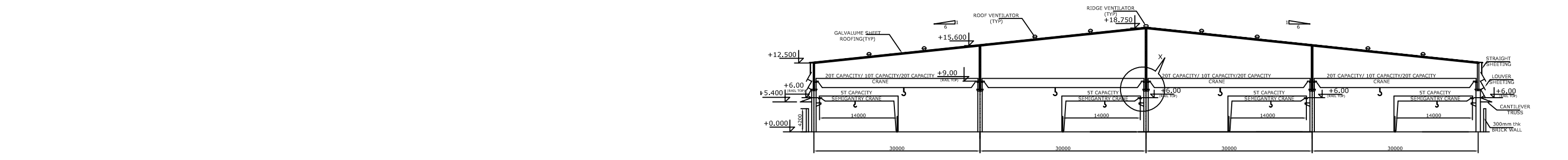
TENDER PURPOSE ONLY

<p>CAUTION: The information on this drawing is the property of Bharat Heavy Electricals Ltd. It must not be used directly or indirectly in any way detrimental to the interest of the company.</p>	TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		POWER PLANT PIPING UNIT- THIRUMAYAM			
	Bharat Heavy Electricals Ltd		NAME	SIGNATURE	DATE	NO. OF VAR
	UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		DRAWN BY	R.PALANIKUMAR		
			APPD	K.JINASEKHARAN		
DEPT	GRADE OF UNITS: DIM C/M/F	SCALE	WEIGHT (Kg)	REF TO ASSY / OLD DWG	ITEM NO	NO OF ITEMS
		1:1500				
TITLE			DRAWING NO :		REV	
LAYOUT OF PLANT			CEG:TP:01:00144			

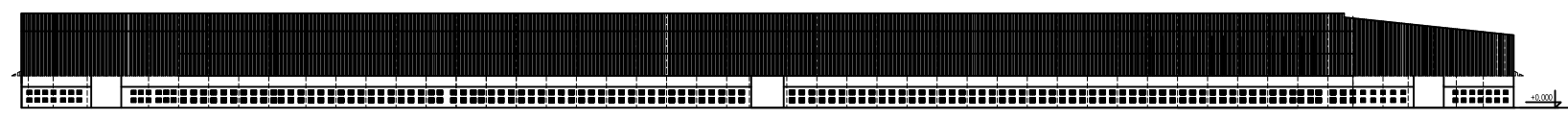


SECTION-CC

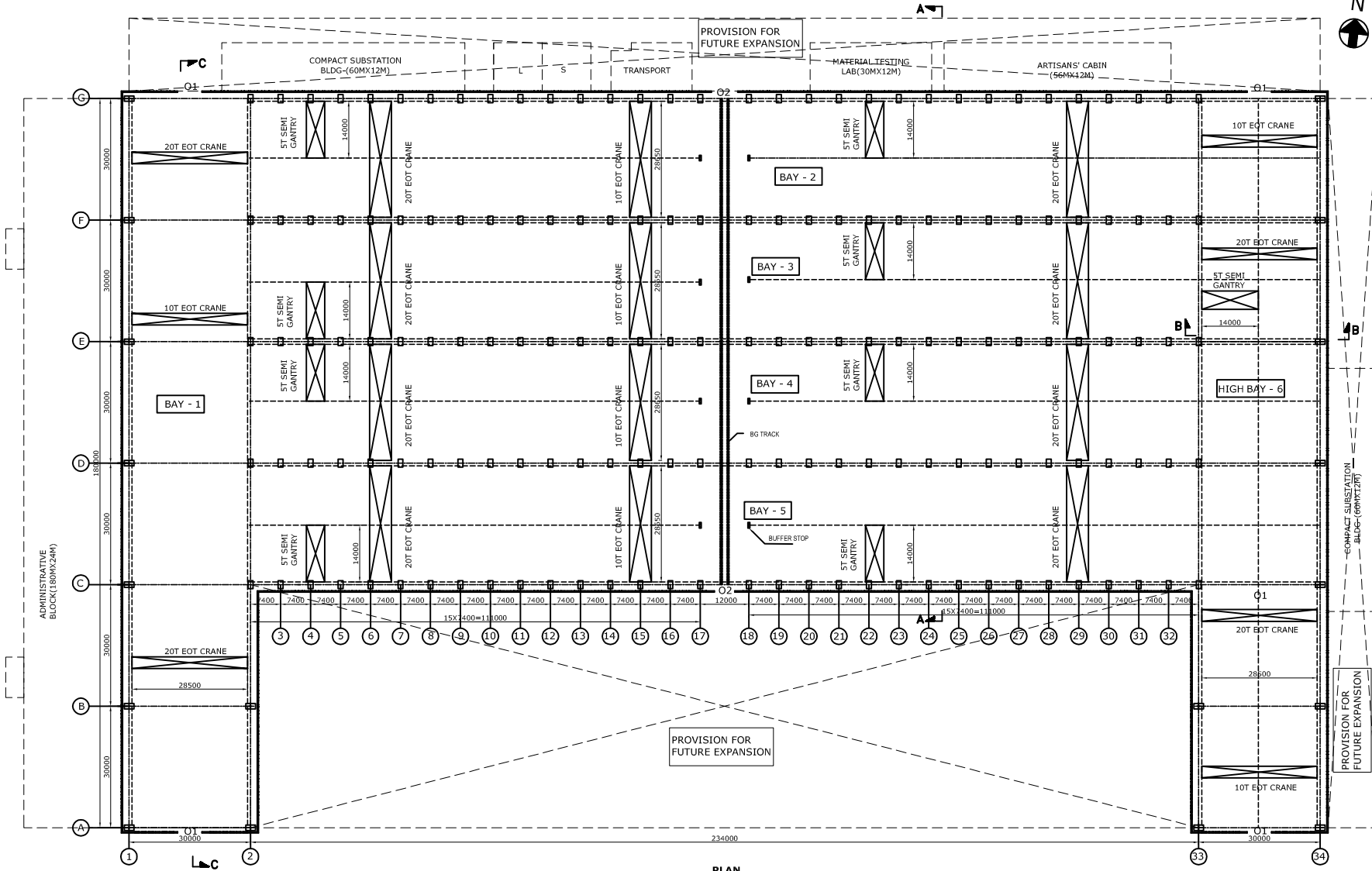
SECTION-BB



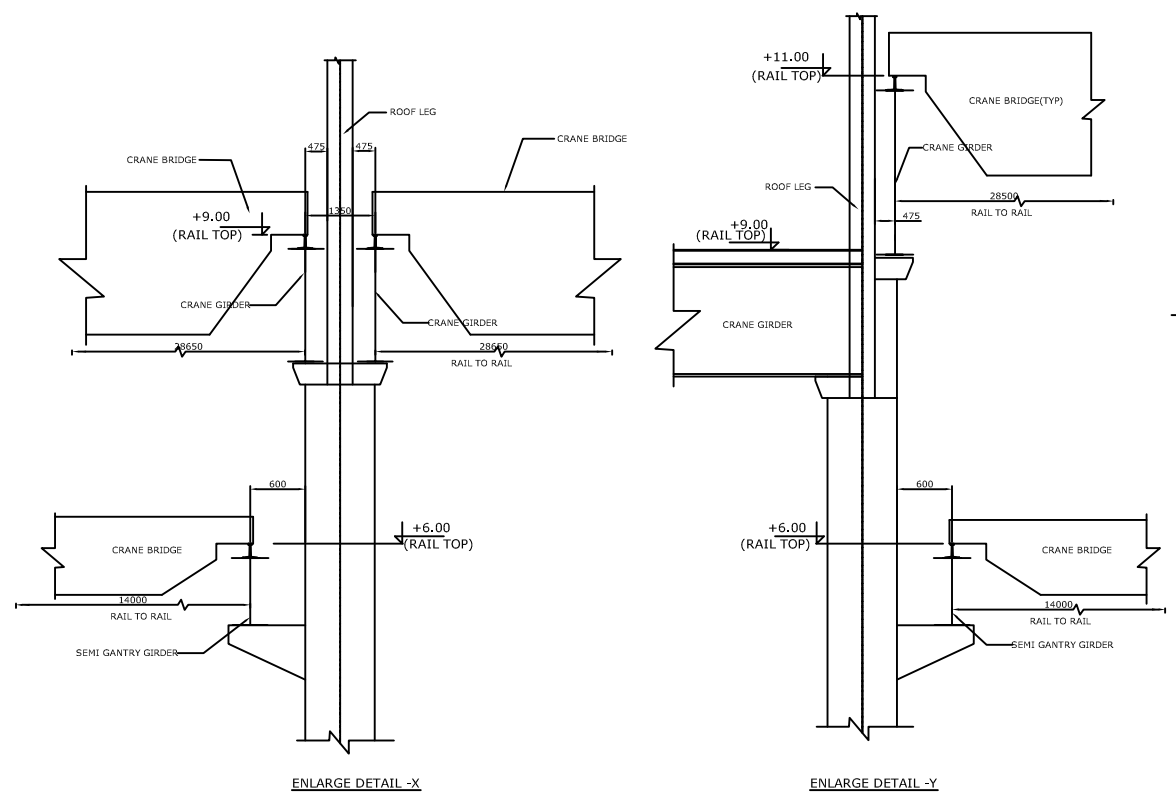
SECTION-AA



ELEVATION



PLAN



ENLARGE DETAIL - X

ENLARGE DETAIL - Y

S No	Description	Level (in m)			RAIL TO BE USED
		Bay 1	Bay 2 to 5	Bay 6	
1	Truss Bottom Level	12.50	12.50	14.50	-
2	Crane Rail Top Level	9.00	9.00	11.00	ISCR80
3	Semigantry Crane rail Top Level	6.00	6.00	6.00	R45

TENDER PURPOSE ONLY

NOTES:-
 1) ALL DIMENSIONS ARE IN 'MM' LEVELS ARE IN 'M'
 2) DO NOT SCALE THE DRAWING, FOLLOW WRITTEN DIMENSION ONLY

REV	DATE	DESCRIPTION	SIGN

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		POWER PLANT PIPING UNIT - THIRUMAYAM	
Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TRUCHIRAPALLI - 620014		NAME	DATE
DRAWN BY: K.Viswanathan		APP'D BY: R.Padmanabhan	DATE
SCALE: 1:10 = 1:50 1:100		REV NO.	REV DATE
TITLE: GENERAL ARRANGEMENT OF PRODUCTION SHOP		DRAWING NO: CEG:TP:00:00210	