

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

**TENDER DOCUMENT (PRICE BID)**

**Name of work** : Providing architectural consultancy services for the construction of Administrative building for Power Plant Piping Unit, BHEL near Thirumayam in Pudukottai District Tamilnadu.

**Tender Notice No.** : Township 03/10

**Tender Schedule No.** : T 17 / 10

**Period of Contract** : 14 Months including construction period

**Issued to** :

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

**CIVIL ENGINEERING DEPARTMENT (TOWNSHIP)**

**PREAMBLE**

1. The scope of work covers **Architectural consultancy services including design and engineering for the proposed Administrative building and only elevation scheme for the rest of the buildings as shown in the layout and indicated separately in the statement for Power Plant Piping Unit, BHEL near Thirumayam in Pudukottai District Tamilnadu.** The detailed scope of services is explained in the following pages in this tender document.
2. Time is the essence of the contract. Being a time bound expansion scheme with capital expenditure, the architect / consultant should make all efforts to complete the work in time. Even though the overall completion period is indicated as **14 months (2 months for release of entire approved drawings + 12 months to extend services during the construction period)**, the release of approved drawings and good for construction drawings shall be completed progressively and handed over as per agreed split up schedule.
3. The tenderers are advised to visit the new plant area near Thirumayam in Pudukottai (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:-
5. The architect / consultant should have EPF, PAN, New Service Tax Registration No., proof of having submitted IT return for the last three years, Profit & Loss account and balance sheet certified by the auditor.
6. Average annual financial turnover of similar consultancy services in the last three years should be Rs. 12 lakh .
7. During last seven years should have successfully completed works either
  - i) Three similar works each not less than Rs.16 lakh .
  - ii) or
  - iii) Two similar works each not less than Rs. 20 lakh
  - iv) or
  - v) iii) One similar work not less than Rs. 32 lakh
8. Latest Solvency certificate ( not earlier than six months) from the banker shall be produced at least for Rs. 16 lakh.
9. Consultancy should have been provided atleast for one green building in the last 3 years.
10. The works executed in the own name of the tenderer only will be considered for eligibility criteria.
11. The nominated committee may also visit the works executed by the consultants to ascertain the volume, nature and green building concept incorporated in the buildings before taking a final decision on the award.
12. Dissimilar / irrelevant works will not be considered for eligibility criteria.
13. Documentary evidences (Xerox copies - attested) for turnover, works experience, PAN & New Service Tax registration etc., all as indicated & required in the tender document should be furnished without which it will not be taken into account.

14. The norms for qualification with prescribed score is attached in the Qualification Bid Document. Evaluation will be done accordingly. Minimum score required for qualification is 60.
15. Quoted rate shall be firm throughout the contract period of **14 months** and no cost escalation is allowed on any account.
16. The lumpsum rate offered is for complete services as indicated in the scope and shall provide for the complete cost towards model preparation, site visit, fuel, temporary works, labour, materials, levies, taxes, transport, lay-out, rework, till acceptance by BHEL, supervision, establishment, services, revenue expenses, overheads, profits & all other incidentals etc., complete. **However the service tax as applicable for this services, will be reimbursed on production of valid documentary evidence of having paid service tax by the consultant.**
17. Some changes are likely in the layout, design and specifications of the work. The rates quoted shall be deemed to be inclusive of all such contingencies.
18. The services 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 services required 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.**
19. 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.
20. **After award of the service contract, the architect / consultant has to furnish the security deposit, as per Clause 13 of Tender Notice, attached in the Price Bid. Also it is to be noted that after award of the service contract, the consultant has to furnish 50 % of security deposit before the commencement of work.**
21. Since the responsibility for the quality, workmanship and accuracy of any work being carried out under this service contract lies with the consultant, the consultant should ensure that no re work is done.
22. The decision of Engineer-in-charge shall be final and binding on the architect / consultant regarding clarification of items in this tender schedule.
23. The works contract to be entered into with the successful tenderer will be governed by the BHEL Revised General Conditions of Contract in force.
24. The architect / consultant shall strictly adhere to various labour laws in force.
25. The architect / consultant has to submit the 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.
26. The architect / consultant 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.

27. All the works shall be executed as per the standard specifications as provided in TNBP / BIS. / CPWD and the materials recommended for incorporation in the work shall conform to the respective TNBP & BIS, CPWD and National Building Organisation, Standard Specifications forming part of "ALL INDIA STANDARD SCHEDULE OF RATES" specifications and shall be got approved by the Engineer-in-charge before actual incorporation in the work.
28. The architect / consultant should extend fullest co-operation with the third party agencies engaged, if any by BHEL to adhere the Quality Control Procedures ensuring quality.
29. The architect / consultant should extend full co-operation to the other architect / consultants who may be doing other works in the same areas to enable them to execute their portions of work without any delay or difficulty.
30. With regard to specifications 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 Bharat Heavy Electricals Limited, shall apply.
31. 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.
32. 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.
33. Bank Guarantee format can be obtained after award of work in case of successful tenderer.
34. No advance / mobilization advance will be given.
35. LD / Penalty clause is applicable as per General Conditions of Contract in force.
36. BHEL reserves its right to reject a tender due to unsatisfactory past performance in the execution of a contract at another project/unit awarded against a different enquiry.
37. BHEL reserves its right to accept/reject any or all the tenders and to award the work in full or split to more than one agency without assigning any reasons.
38. 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.

## REVERSE AUCTION

**BHEL reserves the right to go for a Reverse Auction (RA)** instead of Opening the submitted sealed bid, which will be decided after technical evaluation. Information and general terms and conditions governing RA are given below.

### **GENERAL TERMS AND CONDITIONS OF RA**

Against this tender for the subject work/system with detailed scope of work as per tender specifications, BHEL may resort to "REVERSE AUCTION PROCEDURE" i.e., ON LINE BIDDING ON INTERNET.

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
3. BHEL will inform the vendor in writing in case of reverse auction, the details of Service Provider to enable them to contact & get trained.
4. Reverse Auction rules like event date, time, Start price, bid decrement, extensions etc. also will be communicated through service provider for compliance.
5. Vendors have to fax the Compliance form in the prescribed format (provided by Service provider) before start of Reverse auction. Without this, the vendor will not be eligible to Participate in the event.
6. BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like Taxes and Duties, Freight charges, Insurance and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the vendor to enable them to fill-in the price and keep it ready for keying in during the Auction.

However if the service tax is applicable for this contract, the same will be reimbursed on production of valid document proof for having paid service tax by the tenderer.

7. Reverse auction will be conducted on scheduled date & time.
8. At the end of Reverse Auction event, the lowest bidder value will be known on the network.
9. The lowest bidder has to Fax the duly signed Filled-in prescribed format as provided on case-to-case basis to BHEL through Service provider within 24 hours of Auction without fail.
10. Any variation between the on-line bid value and the signed document will be considered as sabotaging the tender process and will invite disqualification of vendor to conduct business with BHEL as per prevailing procedure.
11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice.
12. BHEL reserves the right to negotiate if need be, with the "L1" vendor of the Reverse Auction

**Force Majeure clause:** If at any time during the continuance of this contract the performance in whole or in part by either party of any obligations under this contract shall be prevented or delayed by reason, of any war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, explosions, epidemics, quarantine, restrictions or acts of GOD (hereinafter referred to as events) then provided notice of happening of any such events is given by either party to other within twenty one days from the date of occurrence thereof neither party shall reason of such events be entitled to terminate this contract nor shall either party have any such non performance and delay is resumed as soon as practicable after such events has come to an end or ceased to exist. If the performance in whole or part of any obligation under this contract is prevented or delayed by reason or any such event claims for extension of time shall be granted for period considered reasonable by BHEL subject to prompt notification by the tenderer to BHEL of the particulars of the events and supply to the BHEL if required of any supporting evidence. Any waiver of time in respect of partial installment shall not be deemed to be a waiver of time in respect of remaining deliveries.

The correspondence exchanged against the tender from both tenderer and BHEL through email are considered as valid document legally though it is not signed. It is treated as valid confirmations made on behalf of the respective company and very much comes under the legal ambit of the business transaction and hence it is binding on both the parties to the business.

Any transaction pertaining to the tender from both the parties of business done round the clock irrespective of the office or business hours of the companies, are valid legally and binding on both the parties. This applies to the extent only in such cases where deadline time for transaction is not specifically declared by either or both the parties to the business.

In case Letter of Intent (LOI) is issued through email, the PC generated time and date of mail shall be construed as the official time and date of release of LOI. In as much as this date is within the last date of validity given by the bidder the LOI is said to have been issued within the validity period and shall be binding on both the parties to the business.

Tenderers participating in the tender should declare in their technical bid that whether they have been black-listed / kept on hold for a specified period / given Business holiday for a specified period by any Public sector undertaking or Government departments. The reasons for such action with details and the current status of such hold shall be clearly furnished to BHEL. If no such details are mentioned in the offer then it will be construed that the subject bidder is not under any such hold. But at a later date if it comes to the notice of BHEL about any such hold under enforcement on the subject bidder, BHEL will have every right to reject the offer of such vendors at any point of time and also under any stage of the finalisation of the subject tender irrespective of the status of the subject bidder in that tender. Such bidders will not be permitted to participate in the further tender proceedings and will be communicated suitably. They will not be also considered for any on going tenders even if participated till the hold is officially lifted and confirmed in writing.



**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                     | Providing architectural consultancy services for the construction of Administrative building for Power Plant Piping Unit, BHEL near Thirumayam in Pudukottai District Tamilnadu. |
| 02. | Estimated Cost                   | :  |
| 03. | Earnest Money Deposit            | : <b>Rs.1,00,000/-</b>   |
| 04. | Completion Time                  | : <b>FOURTEEN ( 14 ) Months</b><br>( From the date of issuing of Letter of Intent )  |
| 05. | Cost of Tender Document          | : <b>Rs.750/-</b> ( including Sales Tax )<br>This amount will not be refunded under any circumstances  |
| 06. | Last Date for Receipt of Tenders | : <b>09.30 Hrs. on 18.06.2010</b>  |
| 07. | Date of Tender Opening           | : <b>10.00 Hrs. on 18.06.2010</b>  |
| 08. | Maintenance Period               | : NIL  |

Tender document contains 77 pages in Qualification Bid and 33 pages in Price Bid including Bill of Quantities, Drawing etc.

Issued to Messrs. / Thiru : .....

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**ISSUING OFFICER**

## INSTRUCTIONS TO TENDERERS

1. The tender is open to all Architect / consultants. The Architect / consultants not borne on the approved list of architect / consultants of this Organisation must submit the following testimonials simultaneously with their tenders.
  - i. A Certificate to establish that the tenderer is an independent architect / consultant 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 to undertake and carryout the work tendered for or similar work satisfactorily.

### NOTE :

- a) Copies of testimonials unless attested 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 architect / consultant 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 tender.
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, the same will be reimbursed on production of 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 endeavour 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 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 architect / consultant's responsibility under this shall commence from the date of receipt of contract. The scheduled period of completion for this work will be as mentioned in page No. 01, and the Architect / consultant will have to plan his work accordingly.
11. Generally, the maintenance period for any work under BHEL Organisation will be SIX (6) MONTHS but this being consultancy services, no maintenance period is envisaged.

**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 upto Rs. 2 lakhs	NIL
Works costing more than Rs.2 lakh and upto Rs. 5 lakhs	Rs. 10,000/-
Works costing more than Rs.5 lakhs and upto Rs.10 lakhs	Rs. 20,000/-
Works costing more than Rs.10 lakhs and upto Rs.20 lakhs	Rs. 40,000/-
Works costing more than Rs.20 lakhs and upto Rs.30 lakhs	Rs. 60,000/-
Works costing more than Rs.30 lakhs and upto Rs.50 lakhs	Rs. 1,00,000/-
Works costing more than Rs.50 lakhs and upto 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 architect / consultant on the list of approved Architect / consultants have a relative, or in the case of a firm or Company of architect / consultants 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, cancels 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 accept 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 him 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.
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 architect / consultant.
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 CPWD 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 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 architect / consultants who resort to canvassing will be liable to rejection
22. All architect / consultants will have to produce copy of PAN card and Income tax Return for the preceding three years along with their tenders. Those Architect / consultants whose income is not taxable will be required to give an affidavit of their income on the prescribed form.

## TENDER NOTICE

**NAME OF WORK :** Providing architectural consultancy services for the construction of administrative building for Power Plant Piping Unit, BHEL near Thirumayam in Pudukottai(Dt) Tamilnadu

### ESTIMATED COST

1. SEALED TENDERS for the above noted work are hereby invited from architect / consultant experienced in works of similar kind and magnitude. Tenders will be received by SR.DY.GEN.MANAGER / CIVIL / TOWNSHIP Bharat Heavy Electricals Limited, Tiruchirappalli – 620 014. upto **09.30** Hrs. on **18.06.2010** and will be opened on the same day at **10.00** Hrs. at the Office of the SR.DY.GEN.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. upto **14.06.2010** 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 **SR.DY.GEN.MANAGER / CIVIL / 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 over writings 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 architect / consultants 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. The rate quoted in the tender shall remain valid for a period **THREE MONTHS** from the date of opening of tenders.
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. 01 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:

Upto Rs. 10 lakhs	10%
Above Rs. 10 lakhs upto 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 architect / consultant.

- 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 Architect / consultant 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 architect / consultant, 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 architect / consultant 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 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.
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.8.
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**

## **PREAMBLE:**

The primary objective of Structural Design is to evolve a strong, durable and an efficient skeleton so that the space which architecture encloses, and the form in which it expresses itself as interior content and an exterior container, becomes an organic extension of one another. Structure is so fundamental to architecture that it actually determines its two-pronged functions; the utilitarian appropriateness and the expressive power of aesthetics. Structural design as a creative discipline assumes an indispensable position as a natural extension of Architectural Design. Endowed with an extraordinary power of conceptualization and creativity, an architect can conjure up unprecedented structural systems leading to the genesis of design-ideas introducing new concepts of Space and Form. In other words, the architect's contribution to structural design can effectively bring about qualitative change in the built-environment to stimulate the advancement of society towards a higher order of civilization.

Landscape Architecture deals with the analysis, planning, design, management, preservation and rehabilitation of land and also determines the environmental impact. It is a science capable of objective analysis and synthesis leading to an ecologically-sensitive design, which is self-sustainable. It integrates from the very conception, the elements of architecture, urban design and civil engineering for meaningful and practical solutions. Landscape architecture covers a wide spectrum of professional expertise, ranging from landscape planning at the regional and city scale on the one end, to the small and medium scale of public and private landscape at the other. It involves dealing with such sites as office plazas/ public squares, highways, city parks/ national parks, housing developments, institutional campuses, zoological and botanical parks.

In case of Interior Architecture, the primary objective is to generate a purposeful ambience such as would stimulate the user's creative potential through multifarious activities. It must facilitate the individual's sense of orientation, identification and eventual appropriation of architectural spaces, that meld the interiors and exteriors into symbiotic relationships through varied experiences of scale, volume, light and shade. Interiors are not only to protect the users from the extremes of weather but also to nurture them emotionally. Since the interior spaces are truly the life-force of any building, they must be designed (and not decorated) as detailed artistic articulation of the basic architectural concept with deep insight and sensitivity to fulfill the fundamental functional - and aesthetic needs that are efficient and pleasant to live and work in. The development of design is a very conscious act and it infuses life into interiors subconsciously. Creativity is the essence of architecture and harmony an essential aim of architects. Architecture that has been recognized as great, in the historic past as well as in our own time, has been harmonious with nature and its immediate environment. These are the essential tenets of design which architects aspire to follow.

## 1. SCOPE OF WORK

The Architect (who is referred as consultant also) is required to provide services in respect of the following to the proposed administrative building incorporating green building concept.

**A green building is one which uses less water, optimises energy efficiency, conserves natural resources, generates less waste and provides healthier spaces for occupants, as compared to a conventional building.**

The architect is also required to provide the elevation arrangement only including related specification for the rest of the buildings noted in the layout +and detailed out separately in a statement.

### Part I - ARCHITECTURE

#### (a) ADMINISTRATIVE BUILDING:

- 1.1 Taking department's instructions and preparation of design brief.
- 1.2 Site evaluation, analysis and impact of proposed development on its immediate environs including the nearby shop floor area.
- 1.3 Design and site development.
- 1.4 Structural design.
- 1.5 Sanitary, plumbing, drainage, water supply and sewerage design.
- 1.6 Electrical, electronic, communication systems and design.
- 1.7 Heating, ventilation and air conditioning design (HVAC) and other mechanical systems.
- 1.8 Fire detection, Fire protection and Security systems etc.
- 1.9 Rain water harvesting.
- 2.0 Non conventional energy like solar energy etc for day to day requirement.

#### (b) ALLIED BUILDINGS:

- 2.10 Taking instructions from the department, preparation and submission of schemes on elevation of these buildings for BHEL's approval.

### Part II ALLIED FIELDS

- 1.11 Landscape Architecture for the frontage and surroundings of the administrative building as detailed below.

Site planning, Landform and grading, Surface drainage design and water management, Irrigation design, Open space design - hard and soft areas, Planting design, Landscape structures and features, Garden Furniture design, Illumination design, Graphic design and signage etc.,

1.12 Interior Architecture of the administrative building as detailed below.

Site evaluation and assessment, Interior design \_ space planning / development & volumetric study, Architectural additions and alterations, Design of fixed items of work, loose furniture & interior related civil works, Illumination design, Sound and acoustic design, Graphic design and signage, Indoor plants cape, Selection of materials, equipment and other interior related elements, Integration of all Engineering services, Periodic inspection and evaluation of works at site, Architectural Conservation, Graphic Design and Signage etc.,

## 2. SCHEDULE OF SERVICES :

The Architect shall, after taking instructions from the department, render the following services:

### CONCEPT DESIGN

2.01 Ascertain department's requirements, examine site constraints & potential; and prepare a design brief for BHEL's approval.

2.02 Prepare report on site evaluation and analysis and impact of existing and / or proposed development on its immediate environs.

2.03 Prepare drawings and documents to enable the department for final decision on the rest of the buildings, at the site of the project.

2.04 Furnish report on measures required to be taken to mitigate the adverse impact, if any, of the existing and / or proposed development on its immediate environs.

2.05 Prepare conceptual designs with reference to requirements given and prepare rough estimate of cost on area basis.

### PRELIMINARY DESIGN AND DRAWINGS

2.06 Modify the conceptual designs incorporating required changes and prepare the preliminary drawings, sketches, study model, etc., for the Department's approval along with preliminary estimate of cost on area basis.

### DRAWINGS FOR DEPARTMENT'S/ STATUTORY APPROVALS

2.07 Prepare drawings necessary for Department's / statutory approvals and ensure compliance with codes, standards and legislation, as applicable and assist the Department in obtaining the statutory approvals thereof, if required.

### WORKING DRAWINGS AND TENDER DOCUMENTS

2.08 Detailed Engineering viz. Design of structures as per the approved design basis, getting the design vetted by the approved institutions like IIT, SERC, NIT, preparation of working / good for construction drawings (architectural, structural and all other) technical specifications, schedule of quantities, cost estimate and tender documents including code of practice covering aspects like mode of measurement, method of payments, quality control procedures on materials & works and other conditions of contract. The architect shall release of three sets of drawings with one reproducible copy and soft copy on compact disc.

### CONSTRUCTION

2.09 Prepare and issue balance good for construction drawings (Structural, Architectural, PHE etc) including civil, electrical, drainage, sewerage, water supply, rain water harvesting, external electrification, AC, fire protection, I.T related works, Acoustics and details for proper execution of works during construction. The architect shall release three sets of drawings with one reproducible copy and soft copy on compact disc.

2.10 Visit the site of work / design office irrespective of number of visits as the case may be, to clarify the design & drawing during construction and where necessary clarify any decision, offer interpretation of the drawings/specifications.

## COMPLETION

2.11 Prepare and submit completion reports and drawings for the project as required and assist the Department in obtaining "Completion/ Occupancy Certificate" from statutory authorities, wherever required.

2.12 Issue three sets of as built drawings including services and structures along with one reproducible copy and soft copy on compact disc.

## INCIDENTAL SERVICES:

2.13 The entire incidental services related with the activities shall be deemed included in the scope of services. No extra payment shall be made for the incidental services.

2.14 Revision of drawing and designs shall be made by the architect as and when required by BHEL. No payment shall be made for any revised drawing prepared by the architect.

## 3. PROFESSIONAL FEE

3.01 In consideration of the professional services rendered by the Architect, he shall be paid professional fee and other charges as offered by the architect at the time of tendering as lump sum amount and accepted by the department.

3.02 Any tax levied by law, such as Service tax, etc. contingent to professional services rendered by the Architect, shall be payable by the Department, over and above the gross fees charged by the Architect in relation to the services provided. However applicable service tax will be reimbursed by BHEL only on submission of the documentary evidence for having paid so by the Architect.

## 4. SCHEDULE OF PAYMENT

The Architect shall be paid professional fee in the following stages consistent with the work done:

No advance payment is entertained on appointment / Signing of Agreement/ Acceptance of offer and 10% on each stage payment as security will be retained by BHEL till completion of entire activities.

Stage 1 On submitting conceptual designs and rough estimate of cost	10% of the total fees payable.
Stage 2 On submitting the required preliminary scheme for the Department's approval along with the preliminary estimate of cost.	20% of the total fees payable less payment already made at Stage 1.
Stage 3 (a) On incorporating Department's suggestions and submitting drawings for approval from the Department/ statutory authorities, if required.	30% of the total fees payable less payment already made at Stages 1 and 2.
(b) Upon Department's / statutory approval necessary for commencement of construction, wherever applicable	35% of the total fees payable less payment already made at Stages 1 to 3 (a).
Stage 4 Upon preparation of working drawings, technical specifications and schedule of quantities including preparation of estimate and tender documents.	45% of the total fees payable less payment already made at Stages 1 to 3(a).
Stage 5 a) On submitting working drawings and details required for commencement of work at site.	65% of the total fees payable less payment already made at Stages 1 to 4.
b) On completion of 20% of the work	70% of the total fees payable less payment already made at Stages 1 to 5 (a)
c) On completion of 40% of the work	75% of the total fees payable less payment already made at Stages 1 to 5 (b).
d) On completion of 60% of the work	80% of the total fees payable less payment already made at Stages 1 to 5 (c)
e) On completion of 80% of the work	85% of the total fees payable less payment already made at Stages 1 to 5 (d)
f) On Virtual Completion	90% of the total fees payable less payment already made at Stages 1 to 5(e)
Stage 6 On submitting Completion Report and drawings for issuance of completion / occupancy certificate by statutory authorities, wherever required and on issue of as built drawings	100% of the fees payable less payment already made at various stages plus the retained amount towards security.

4.1 Progressive, on account, payments will be made by the Department to the Architect against any of the above stages based on the quantum of work done during that stage, as may be mutually agreed to between the Department and the Architect. The architect fee also includes cost of travel (to & fro), boarding & lodging and local transport for any visit made by his staff to the site or such other place as may be necessary in connection with the execution of work and in connection with the performance of duties referred to in this agreement.

4.2 Cost of presentation models, computer simulation, presentation drawings, etc., prepared at the instance of the Department for purposes other than the Design and execution of the project are included under the Architect / Consultant fee and no extra payment is entertained.

## 5. General

### 5.1 Adequacy of Design

The Services to be rendered by the architect / consultant shall be based on National Building Code – 2005 amended upto date, relevant applicable latest codes and sound engineering practices. Major decision and specification shall be reviewed by BHEL to the extent desired. Approval of any design / drawing by BHEL shall however not relieve the Consultant in discharging their responsibilities regarding the adequacy of design and proper functioning of the works. The Consultant shall be fully responsible for the adequacy, accuracy and quality of entire services performed by them in accordance with accepted standards of safety, earthquake requirements, environment protection, rain water harvesting and public health. The Consultant is required to provide services based on extant rules, local bye – laws, applicable standards CPWD specifications/schedules, Indian Railways,/ TNPCB, sound engineering practices all updated, and / or as instructed by BHEL.

### 5.2. Addition and alterations

BHEL shall have the right to request in writing changes, additions modifications or deletions in the design and drawing of any part of the work and to request in writing additional work in connection therewith and the Architect / Consultant shall comply with such request. The decision of the department shall be final on whether the deviations and additions are substantial as requiring any compensation to be paid to the Consultant. The additional fee payable for the additional work corresponding to the relevant activity of the work shall be computed on the basis of the quoted percentage only. Nothing over and above this shall be payable. However for the minor modification or alteration which does not affect the entire planning and design etc., no amount will be payable.

### 5.3. Foreclosure of contract

BHEL reserves the right for foreclosure of contract without assigning any reason whatsoever. The payments in the event of foreclosure of contract shall be restricted to the amount defined for each activity independently and in the event of such termination the Architect / Consultant shall be entitled to all such fee for the services rendered and liable to refund the excess payment if any made to him over and above what is due in terms of this agreement on the date of termination and the employer may make full use of all or any of the drawings prepared by the Consultant.

### 5.4. Rescinding of contract

In the event of failure on the part of the Architect / Consultant to complete work in time or to the complete satisfaction of the department or in the event of committing breach of any one or more of terms and conditions of the agreement, the department shall be entitled to rescind this contract without prejudice to right to claim damages or remedies under the law. The period of notice to be given to rescind contract will be 7 days. In the event of such termination, the Consultant shall be liable to refund the excess payment if any made to him over and above that is due to him on the date of termination. The department will be entitled to make full use of all or any of the drawings / documents prepared by Consultant. In such case BHEL shall have power to engage another Consultant to carry out the balance work on the basis of the drawings already prepared, debiting the excess amount if any so paid to the second Consultant subject to a maximum of 10% of the total fee which would have been deducted as security deposit plus the amount of performance security. Consultant shall pay to the department all such excess expenditure within 30 days of issue of notice failing which Consultant shall be debarred from consultancy jobs of BHEL in future besides taking other course of action under law to recover such amount.

### 5.5 Non submission / submission of Deficient Documents

Bidder shall ensure submission of all documents required / requested for in the Bid document. BHEL shall not revert back for seeking deficient documents and shall not be responsible for the same. The financial Bids of Consultants whose technical Bids are found to contain deficient documents may not be opened for further processing.

### 5.6 Copyright / proprietary right

The Architect / Consultant hereby agrees that the fee to be paid as provided in this agreement will be in full and final for functions to be performed by him and no claim whatsoever shall be made against BHEL in respect of any part relating to the plans, drawings and other documents submitted by Consultant. The drawings, design, plan, related details prepared and acquired by the Consultant for the work entrusted to him under this agreement will become the property of BHEL. The drawings, design, plan, related details cannot be issued to any other person, firm or authority or used by the Consultant for any other project without prior permission of BHEL.

### 5.7. Site Meetings

The site meetings shall be held during execution of the work with the Consultant to sort out any problems or to provide any missing information in connection with the work. The meeting may be convened by the department as per the need. However, at least one routine meeting shall be held in a month. There will be no limit on the number of meetings/site visits and nothing extra shall be payable on this account.

## 6. DEPARTMENT'S ROLE AND RESPONSIBILITIES

The Department shall discharge all obligations connected with the project and engagement of the Architect as follows:

6.01 To provide detailed requirements of the project, site plan, to a suitable scale showing boundaries, contours at suitable intervals, existing physical features including any existing roads, paths, existing structures, existing service and utility lines and such lines to which the proposed service can be connected. In case such information is not readily available, the Department will arrange for the collection of necessary information.

6.02 To furnish reports on soil conditions and test as required by the Architect, specific conditions/ statutory stipulations/ Codes of Practice / Schedule of rates, etc., desired to be followed.

## 7. DELIVERABLES BY THE ARCHITECT

7.01 The Architect shall keep the Department informed about the progress of work in his office.

7.02 The Architect may appoint specialised consultants in consultation with the Department, if necessary.

7.03 The Architect shall be responsible for the direction and integration of the consultants work, the calculations, the detailed design and evaluation of the work..

7.04 The co ordination drawing may also be required during execution of the work to ensure integrated construction of all the components. It is the responsibility of the architect to prepare the additional drawings required for proper execution of the work which may be visualised during construction work.

7.05 The Architect shall supply to the Department, free of cost, up to three sets of drawings at different stages.

7.06 The Architect shall not make any deviations, alterations or omissions from the approved drawings, involving financial implications without prior consent of the Department.

7.07 All the approved drawings shall be the property of BHEL. The same shall be submitted to the department immediately after getting them approved.

7.08 The Architect shall exercise all reasonable skill, care and diligence in the discharge of his duties and shall exercise such general superintendence and inspection as may be necessary to ensure that works are being executed in accordance with the Conditions of Contract.

7.09 BHEL may review the work carried out by the consultant at Architectural planning, detailed engineering or at any pre-constructional stage to get satisfied with the standards and procedures adopted by the consultant to make available the concerned documents to BHEL on demand.

7.10 It is the responsibility of the architect to plan and design the building complex based on standard engineering practice. The architect shall stand guarantee for the performance of the system designed by them for a minimum of 25 years. A guarantee bond on standard approved proforma shall be provided by the architect.

7.11 The architect may be asked to submit alternative models to decide the plan and architectural view of the building. Cost for preparation of first model is deemed to be included in the quoted rate. However for 2<sup>nd</sup> subsequent models, extra payment shall be payable to the architect @ Rs. 10,000 (Ten thousand) only per model.

7.12 Architect / Consultant shall provide detailed computations and back up of structural design sheets to BHEL

7.13 The Architect / Consultant shall provide all drawings and designs on auto CAD STADD-PRO or any relevant computer programmes. Copy of final design / drawings shall be made available to BHEL in soft copy also.

7.14 All structural designs shall be got proof checked by the Architect / Consultant from IIT / SERC / NIT or any approved institution at his own cost. Nothing extra shall be paid on this account. The structural design drawings and the calculation sheets shall be signed and verified by the proof checking agency and the certificates regarding safety of structure as per codal provisions shall be submitted to BHEL.

## 8. TIME SCHEDULE

The activities under Clause 1 & 2 are basically divided into two phase viz. Phase 1 upto and including the stage of Preliminary design & drawing and Phase 2 upto and including the release of approved design, drawing for tender purpose, bill of quantities and detailed estimate. The duration of phase 1 is 15 days from the date of Letter of Intent. The duration of phase 2 is 15 days from there on. The duration of construction phase is earmarked for Twelve Months. The above services are to be performed as per the following schedule.

Activity No.	Activity	Duration
1.	Upto and including the release of Preliminary design & drawing	15 days from the date of LOI
2	Upto and including the release of approved design, drawing for tender purpose, bill of quantities with technical specification and detailed estimate	15 days from the completion of activity 1
3	Construction phase	Issue of balance drawings within 30 days of completion of activity 2

## SCHEDULE 'A'

### LIST OF WORKS AND PRICES

**NAME OF WORK:** Providing architectural consultancy services for the construction of administrative building for Power Plant Piping Unit, BHEL near Thirumayam in Pudukottai(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 architect / consultant 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.	Providing architectural consultancy services for the construction of administrative building for Power Plant Piping Unit, BHEL near Thirumayam in Pudukottai(Dt) Tamilnadu			<b>FOURTEEN (14) MONTHS</b>

### 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 TWO PAGES

FROM SERIAL No. 23 to 24

**BHARAT HEAVY ELECTRICALS LIMITED  
TIRUCHIRAPPALLI – 14**

**BILL OF QUANTITIES**

**NAME OF WORK: Providing architectural consultancy services for the construction of administrative building for Power Plant Piping Unit, BHEL near Thirumayam in Pudukottai(Dt) Tamilnadu**

Sl. No	Quantity	Description of work	Rate (both in figures and in words)	Unit	Amount Rs. P.
	ONE SET	<p>Providing architectural / Engineering consultancy services for the construction of Administrative building comprising the scope of activities as follows</p> <p>Taking department's instructions and preparation of design brief, Site evaluation, analysis and impact of proposed development on its immediate environs including the nearby shop floor area, Design and site development, Structural design, Sanitary, plumbing, drainage, water supply and sewerage design, Electrical, electronic, communication systems and design, Heating, ventilation and air conditioning design (HVAC) and other mechanical systems, Fire detection, Fire protection and Security systems, Rain water harvesting, Non conventional energy like solar energy etc for day to day requirement.</p> <p>Landscape Architecture for the frontage and surroundings of the administrative building as detailed below</p> <p>Site planning, Landform and grading, Surface drainage design and water management, Irrigation design, Open space design - hard and soft areas, Planting design, Landscape structures and features, Garden Furniture design, Illumination design, Graphic design and signage etc.,</p>		LUMP SUM	

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

Interior Architecture of the administrative building as detailed below.

Site evaluation and assessment, Interior design \_ space planning / development & volumetric study, Architectural additions and alterations, Design of fixed items of work, loose furniture & interior related civil works, Illumination design, Sound and acoustic design, Graphic design and signage, Indoor plants cape, Selection of materials, equipment and other interior related elements, Integration of all Engineering services, Periodic inspection and evaluation of works at site, Architectural Conservation, Graphic Design and Signage etc.,

LUMP  
SUM

Preparation of model based on the final approved drawing of the building

**ALLIED BUILDINGS:**

Providing only elevation scheme to the buildings shown in the layout as per the scope of activities detailed below

Taking instructions from the department, preparation and submission of schemes on elevation of these buildings for BHEL's approval including technical specification for the special items involved in the work..

**( Note: The consultant is to quote only single lumpsum value for the services explained above and under the scope of work)**

**TOTAL ::: :::**

\_\_\_\_\_  
\_\_\_\_\_

**(Rupees ..... Only)**

## SCHEDULE 'B'

1. The following materials will be issued FREE of cost to architect / consultant at BHEL Stores / Stock yard.

---

**Sl.No.**

**PLACE OF ISSUE**

.....Nil.....

- 
2. It will be the responsibility of the Architect / consultant to submit his demands for the above stores in writing atleast seven days in advance of the actual requirement.
  3. Issue of Stores is subject of the availability at the place of issue cited above, items of stores to be issued by BHEL which are not available at the time of indenting by the architect / consultant may be supplied by BHEL after necessary procurement. The architect / consultant shall not be entitled to any claim of compensation for delay in the supply of stores by BHEL under any circumstances.
  4. The materials will be issued only during the working hours of the BHEL Stores Department ( 8.00 a.m. to 4.30 p.m. ). Architect / consultant shall have to transport them as soon as they are issued to him to the site of work at his own cost.
  5. The steel materials if issued will be in random lengths and sizes as stocked by the BHEL and the cost of all cutting, conversion, substitution and fabrication as well as wastage shall have to be borne by the Architect / consultant.
  6. The architect / consultant shall from time to time render proper account of all materials issued to him by BHEL. If he fails to do so, no further issue of materials will be made to him and he will be held responsible for any delay in the execution of the work which may occur on this account.
  7. Where A.C. Sheets and accessories, Doors, Windows, Sanitary fittings, Special glasses or other items are issued free of cost to the architect / consultant, the architect / consultant will have to make good at his own cost any loss or damage to any part or whole of the items issued to him as above. All wastage within the premises limits as fixed by BHEL will be charged for at the prescribed issued rates of BHEL. Excess wastage will be charged for at punitive rates which will be 100% higher than the issue rates.
  8. All surplus materials in good condition which are not returned to the BHEL Stores as also quantities of materials consumed in excess of the max. permissible limit as fixed by BHEL shall be charged for at punitive rates.

The decision of the Senior Engineer / Dy. Manager / Manager as to the extent to which materials have been rendered surplus or consumed in excess of the actual requirements shall be final and conclusive and binding on the architect / consultant.

ARCHITECT / CONSULTANT

25

ACCEPTING OFFICER

### **SCHEDULE 'C'**

#### **ISSUE OF TOOLS AND PLANTS TO ARCHITECT / CONSULTANTS**

Sl.No.	Qty.	Particulars	Details of BHEL Crew Supplied	Hire Charges Per unit Per Day	Place of Issue	of	Remarks
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.....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 architect / consultant at his own expense.

### **SCHEDULE 'D'**

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

SL.No.	DRAWING NUMBER	DESCRIPTION
1	CEG:TP:01:00144	Layout of plant
2		Plan and Section of Administrative Office.

**SCHEDULE 'E'**  
**LEAD STATEMENT**

<b>Sl.No.</b>	<b>Name of Material</b>	<b>Name of Source</b>	<b>Lead Particulars both for Factory and Township</b>
<b>NOT APPLICABLE</b>			

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

### AUTHORITY TO TENDER

Tender Notice No. **Township 03/ 10**

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

Tender Schedule No. T 17 / 10

**Item rate tender** for work required in “**Providing architectural consultancy services for the construction of administrative building for Power Plant Piping Unit, BHEL near Thirumayam in Pudukottai(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, **upto 09.30 hrs. on 18. 06 .2010** addressed to the Sr.DY.Gen.Manager / Civil / Township, BHEL. Thiruverumbur, 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 carryout the work of **“Providing architectural consultancy services for the construction of administrative building for Power Plant Piping Unit, BHEL near Thirumayam in Pudukottai(Dt) Tamilnadu”**

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

- 1.Scope of work (General & Particular )
- 2.Drawings
- 3.Schedule ‘A’, ‘B’, ‘C’, ‘D’ & ‘E’
- 4.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 upto 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 sold discretion whose decision shall be final and binding.

**WITNESS**  
consultant

Signature of the Architect /

Date :

1. ....

2. ....



..... 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 Architect / consultant 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)

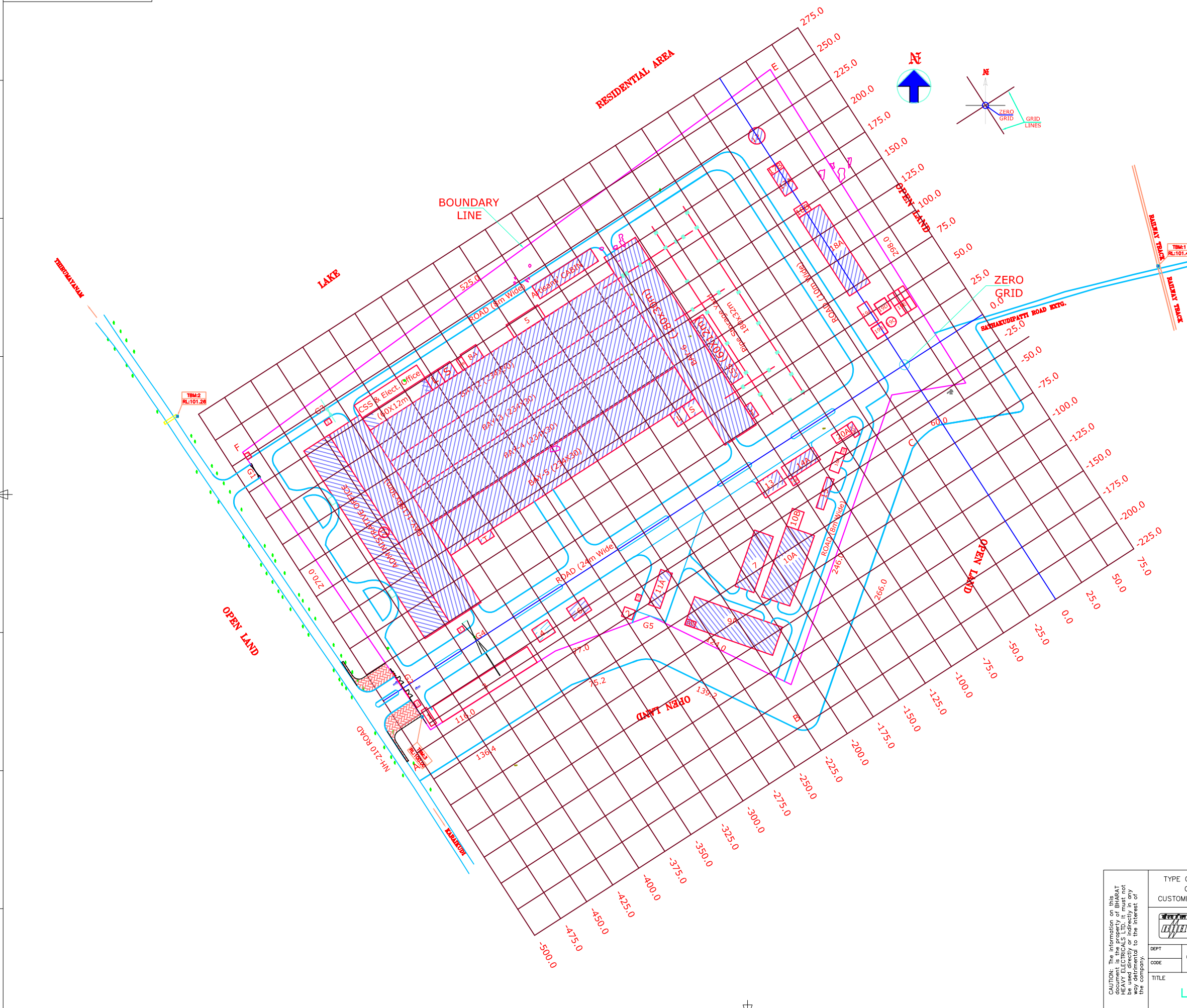
The above tender is accepted by me on behalf of the Bharat Heavy Electricals Limited, Unit: Thriuverumbur, Tiruchirappalli – 620 014. for a sum of Rs.....

.....  
.....

.....at the percentage rates as indicated in Schedule 'A'.

Signature .....Date.....

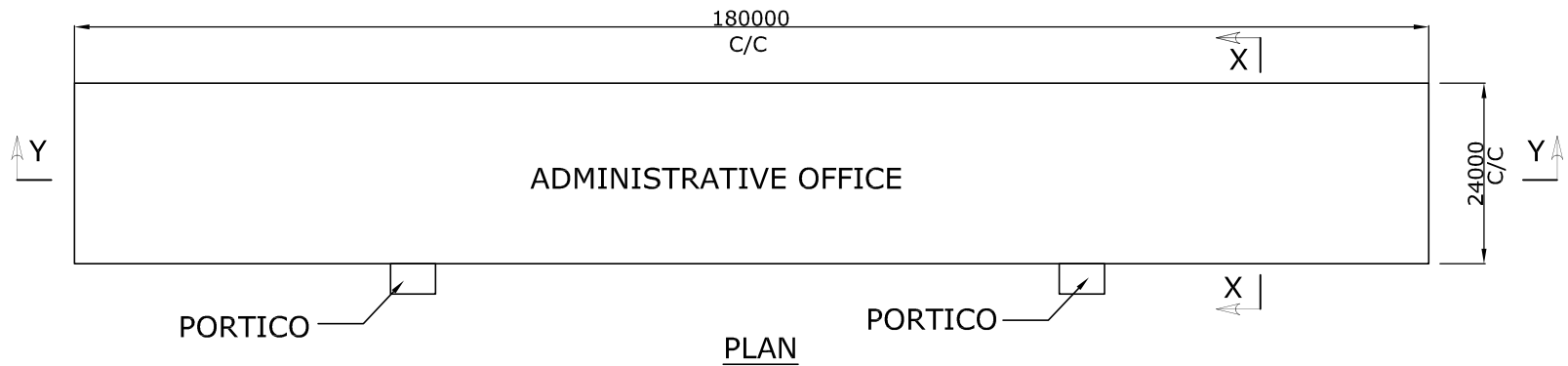
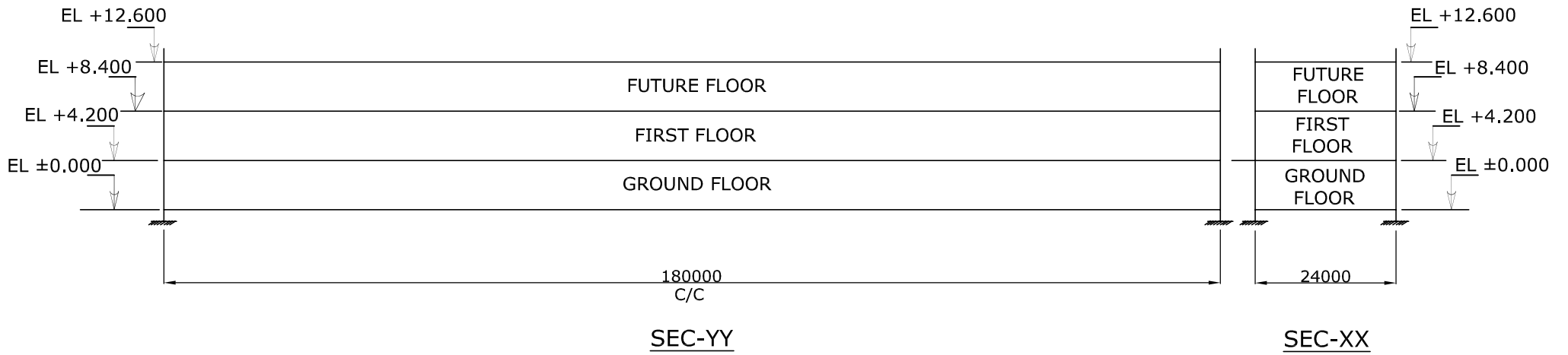
Designation .....



Sl.No	DETAILS
1)	Security Office
2)	Security Booth
3)	Parking Shed
4)	Fire Station
5)	Material Testing Lab
6)	FMC
7)	Canteen
8)	Transport
9)	Disposal Yard
10)	Stores
11)	Weigh Bridge
12)	Water Tank
13)	Compressed Air Plant
14)	D.G.Station
15)	Substation
16)	Liquid Oxygen Plant
17)	Civil Office
18)	LPG Plant
19)	Sewage Treatment Plant
20)	Inflammable Stores
21)	Administrative office

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		<b>POWER PLANT PIPING UNIT- THIRUMAYAM</b>			
Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		NAME	SIGNATURE	DATE	NO. OF VAR
DRWA	CHK	R.PALANIKUMAR			
APPR	APPD	K.GUNASEKARAN			
DEPT	GRADE OF UNTOOL. DIM	SCALE	WEIGHT (Kg)	REF TO ASSY / OLD DWG	ITEM NO. No. OF ITEMS
U 01	C/M/F				
TITLE		CARD CODE	DRAWING NO :		
<b>LAYOUT OF PLANT</b>		U 01	<b>CEG:TP:01:00144</b>		

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POWER PLANT PIPING UNIT-THIRUMAYAM  
 ADMINISTRATIVE OFFICE