

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

TENDER DOCUMENT (PRICE BID)

Name of work : Modernization and Improvements to office buildings, conference halls, entrance, etc., at various locations in BHEL, Trichy Complex.

Value of work : Rs.153 Lakh

Tender Notice No. : 01/10-11

Tender Schedule No. : 02/10-11

Period of Contract : 12 (Twelve) Months

Issued to :

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

CIVIL ENGINEERING DEPARTMENT (FACTORY)

PREAMBLE

01. The scope of work includes **Modernization and Improvements to office buildings, conference halls, entrance, etc., at various locations (such as 2 Nos. of offices in Building 24 Ground floor, Bldg.53-II floor, Bldg. 2&4-Ground floor, Bldg 79 –III floor, Senior Conference hall & New conference hall in Bldg.24, etc.) in BHEL, Trichy Complex.**
02. The tender value excludes cost of cement, reinforcement steel & structural steel which will be supplied by BHEL at Stores at free of cost. Other free issue materials by BHEL are indicated in Schedule B of the Price bid document.
03. Time is the essence of the contract. Being a time bound expansion scheme with capital expenditure, the contractor should make all efforts to complete the work in time. Even though the overall completion period is indicated as **12 (Twelve) months**, the office floor and other works shall be completed progressively and handed over as per agreed split up schedule.
04. The tenderers are advised to visit BHEL Factory at Tiruchrappalli and get themselves acquainted with the site conditions before submitting the offer.
05. The following eligibility criteria shall be complied to fulfill the Qualification Bid:-
 - a) **The tenderer should have separate Registration Code No. for EPF, ESI , Sales Tax & Service tax**
 - b) **The tenderer should have PAN..**
 - c) Average annual turnover of similar works in the last three years should be minimum of Rs.45.90 Lakh .
 - d) During last seven years should have successfully completed works either
 - i) Three similar works each not less than Rs.61.20 Lakh .
 - or
 - ii) Two similar works each not less than Rs.76.50 Lakh.
 - or
 - iii) One similar work not less than Rs.122.40 Lakh.
 - e) Solvency shall be produced for at least Rs.61.20 Lakh. **(The date of certificate shall be within three months from the date of opening of the tender.)**
06. The works executed in the own name of the tenderer only will be considered for eligibility criteria.
07. Dissimilar / irrelevant works will not be considered for eligibility criteria.
08. Documentary evidences (Xerox copies - attested) for turnover, works experience, P.F, ESI, Sales Tax and Service Tax registration etc., all as indicated & required in the tender document should be furnished without which it will not be taken into account.

09. The value of turnover and the value of similar works mentioned above excludes cost of cement, reinforcement steel and structural steel. However if the turnover value furnished by the tenderer includes the above materials, then the tenderer has to furnish the cost of the same separately. If it is not furnished, the materials cost will be presumed as follows: -

Civil & structural works combined	- 50 %
Civil works alone	- 35 %
Structural works including cloaking items	- 70 %
Other minor maintenance works	- 20 %

10. 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.

11. Tender Value is only approximate and liable for variation without entitling the tenderer to any compensation, till the total value of contract vary by more than 20% (twenty percentage).

12. Quoted rate shall be firm throughout the contract period of **12 (Twelve) months including extended period if any** and no cost escalation is allowed on any account.

13. The item 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, roads, 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. Some changes are likely in the quantities furnished as well as in the layout, design and specifications of the work. The rates quoted shall be deemed to be inclusive of all such contingencies.

15. 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.

16. The work shall be carried out as per drawings released then and there, 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. 18 to 29).**

17. 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.

18. **After award of work the contractor 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 work the contractor has to furnish 50 % of security deposit before the commencement of work.**

19. The contractor should bring required machines, tools and equipments for carrying out the total work without any delay. Also required number of the following tools & plants / instruments shall be made available always at site for the works.
 - a) Cutting machines for floor tiles & Aluminium sections
 - b) Cutting blades for tiles & Aluminium sections,,
 - c) Drilling machines with required bits,
 - d) Jumper,
 - e) hammer
 - f) chisels, tri square etc.,
20. The contractor has to arrange sufficient number of lorries to collect & transport the surplus earth, construction debris generated, etc. at site. Otherwise BHEL would clear the debris at the contractor's risk and cost.
21. The contractor has to execute any item of work irrespective of the quantity available in the tender without any reservation till the contract value does not vary more than 20%.
22. 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. The contract should arrange for surveying construction site wherever required at his own cost.
23. 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.
24. The decision of Engineer-in-charge shall be final and binding on the contractor regarding clarification of items in this tender schedule.
25. The works contract to be entered into with the successful tenderer will be governed by the BHEL Revised General Conditions of Contract in force.
26. The contractor shall strictly adhere to various labour laws in force.
- 27.. The contractor 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.
28. 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.
29. The contractor is required to carry out construction 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 co-ordinator	-	1 No.
Supervisor/Engineer (Diploma Holder)	-	2 Nos.

In addition to the above, Quantity surveyors have to be engaged to prepare measurements and submit the bills.
30. 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.

31. The tenderer has to deploy adequate labour of required categories such as Unskilled, Skilled, Mason, Carpenter, Plumber, Welder, Fitter, Mistry, Technically experienced, etc. so as to execute the works simultaneously in all areas of work. The Technical persons with experience shall have to produce valid certificate for verification.
32. Expertised labour only to be engaged for specialized items of work like laying of ceramic tiles, marbles, cuddapah slabs, granite slabs and false ceiling, partition, wall paneling, architectural finishing etc. and work experienced persons shall be engaged for fabrication, water supply, railway track laying and aligning works, sewerage system work, etc.
33. The contractor shall follow norms of BHEL security system for movement of men & materials within the complex.
34. Exclusive Stores personnel should be engaged who would co ordinate with department official for clearance and collection of BHEL supplied materials required for works.
35. Separate non-technical persons should be engaged for arranging daily gate passes for labours and vehicles entry in all the gates of Factory Complex.
36. 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.
37. 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.
38. All the works shall be executed as per the standard specifications as provided in TNBP / BIS.
39. All the materials to be used in the work and the nature of work shall conform to the respective TNBP & BIS and National Building Organization, 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.
40. The contractor should maintain proper accounts for cement, reinforcement steel and structural steel sections and other materials if any supplied by this organization and these should be available at the site of work for verification and check by the Officials of this Organization at any time.
41. 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.
42. **The contractor should use only the materials of brand and quality as approved by BHEL.**
43. All materials and consumables brought by the contractor should have manufacturer's certificate.
44. All tools and plants including jack hammer with silencer & bits, rock drilling machine, etc., required for all the works covered under this contract will have to be brought by the contractor.

45. All safety measures are to be followed during execution of work, particularly during blasting and only licensed blaster should be engaged for this purpose. Sufficient care shall be taken by the contractor during excavation to avoid damages to the buried pipe lines, cables and other infrastructure like railway lines if any etc. Controlled blasting including muffling can be carried out with prior permission from safety department.
46. 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 plats, materials, etc., brought inside the factory complex.
47. The contractor should extend full co-operation to the other contractors who may be doing other works in the same areas to enable them to execute their portions of work without any delay or difficulty.
48. 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.
49. On the written request from the contractor **Water required for the work may be provided by this organization at only one point at the site of the work at free of cost.** In case of failure of water supply, the Contractor will have to make his own arrangements for water without any extra claims until supply is restored. BHEL does not accept any liability whatsoever for non-supply or delay in the supply of water under any circumstances. The contractor shall ensure that there is no wastage of water otherwise supply of water is liable to be stopped at contractor's risk and cost.
50. 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 free of cost.** 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.
51. On the written request from the contractor **Compressed air alone will be provided this organization at only one point near the site of work at free of cost. The contractor has to provide further arrangements from that point to his other areas. Also the contractor should be in a position to make his own arrangement for compressed air without any extra claim for the uninterrupted operation of jack hammer with silencer wherever BHEL is not in a position to supply compressed air.**
52. 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.

53. 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.
54. The main work order may further be split in to few sub work orders. The process of billing, material tallying and submission of completion reports will be according to the individual sub work orders.
55. Bank Guarantee format can be obtained after award of work in case of successful tenderer.
56. No advance / mobilization advance will be given.
57. LD / Penalty clause is applicable as per General Conditions of Contract in force.
58. 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.
59. BHEL reserves its right to accept/reject any or all the tenders.
60. 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 patties 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 biding 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 : Modernization and Improvements to office buildings, conference halls, entrance, etc., at various locations in BHEL, Trichy Complex.
02. Estimated Cost : **Rs.153 Lakh**
03. Earnest Money Deposit : **Rs.2,00,000/-**
04. Completion Time : **TWELVE (12) Months**
(From the date of commencement of the work which will be reckoned from the date of handing over 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 : **14.30 Hrs. on 07.06.2010**
07. Date of Tender Opening : **15.00 Hrs. on 07.06.2010**
08. Maintenance Period : 6 (Six Months from the date of actual completion of the entire work and handing over to Bharat Heavy Electricals Limited)

Tender document contains **117** pages in Qualification Bid and **39** 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 Contractors. The Contractors not borne on the approved list of contractors of this Organization 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 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 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 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 valid document proof for having paid service tax by the tenderer.**
6. Tender Value is only approximate and liable for variation without entitling the tenderer to any compensation, till the total value of contract vary by more than 20% (Twenty Percentage)
7. Quoted rate shall be firm throughout the contract period of 12 months sand no cost escalation is allowed on any account including extended period if any.
8. The works contract to be entered in to with the contractor will be governed by the BHEL Revised General Conditions of contract in force.
9. 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.

10. 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.
11. 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.
12. 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.
13. The contractor's responsibility under this shall commence from the date of receipt of the contract order of acceptance of his tender. The scheduled period of completion for this work will be as mentioned in page No. 01, and the Contractor will have to plan his work accordingly.
14. Generally, the maintenance period for any work under BHEL Organization will be Six(6) months .

15. 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. EMD be furnished only in the form of Pay Order or Demand Draft in favour of BHEL, Trichy , 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. 10000/-
Works costing more than Rs.5 lakhs and up to Rs.10 lakhs	Rs. 20000/-
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.2.00 lakhs.

EMD by the Tenderer will be forfeited as per tender Documents if:

- i) After opening the tender, the tenderer revokes his tender within the validity period or increases his earlier quoted rates,
- ii) 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.

EMD given by all unsuccessful tenderers shall be refunded normally within fifteen days of acceptance of award of work by the successful tenderer.

EMD shall not carry any interest.

16. 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.
17. 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.
18. 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 recognize such power of attorney and changes after obtaining proper legal advice the cost of which will be chargeable to the contract concerned.
19. If the tenderer deliberately gives wrong information in his tender or creates conditions favorable for the acceptance of his tender, the Bharat Heavy Electricals Limited, reserves the right to reject such tender at any stage.
20. Words importing the singular number shall also be deemed to include the plural number and vice versa where the context so requires.
21. The expenses for competing and stamping the agreement shall be paid by the contractor.
22. The General and special conditions are complementary to each other and where they are in 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.
23. 20. Tenderers shall not increase their quoted rates in case the Bharat Heavy Electricals Limited, negotiates for negotiation for reduction of rates. Such negotiation shall not amount to cancellation or withdrawal of the original offer and the rates originally quoted shall be binding on the tenderers for a period of three months from the date of opening of tenders.
24. 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

All contractors will have to produce Income tax Clearance Certificate from the Income Tax- Officer concerned 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. If the successful tenderer fails to produce the Income – tax clearance certificate within the stated period the Earnest Money Deposit and Security Deposit of the tenderer may be forfeited and the contract terminated.

TENDER NOTICE

NAME OF WORK : Modernization and Improvements to office buildings, conference halls, entrance, etc., at various locations in BHEL, Trichy Complex.

ESTIMATED COST : Rs 153.00 LAKHS

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 **MANAGER/CIVIL/PLANNING(FACTORY)** Bharat Heavy Electricals Limited, Tiruchirappalli – 620 014. Up to 14.30 Hrs. on **07.06.10** and will be opened on the same day at 15.00 Hrs. at the **Office of the MANAGER /CIVIL/ PLANNING (FACTORY)** 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 **01.06.10** 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 the 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 the 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 attach 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 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.
7. QUANTITIES shown in the attached schedule are only approximate and are liable to variation without entitling the Contractors to any compensation, provided 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 rates 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 finalization 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	: 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 by 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.
1. 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. 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. If after opening of tenderer revokes his tender or increases his earlier quoted rates 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 reserve the right to reject any or all the received or accept any tender or part there of 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 Unwitnessed 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.01.
- 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.

BHEL APPROVED BRANDS FOR THE FOLLOWING MATERIALS / ITEMS

Sl.No.	Material	Manufacturing Co.	Brand
1.	Synthetic Enamel Paint	Asian Berger ICI	Apcolite Luxol Dulux gloss
2.	Aluminium Paint	Berger	Berger Aluminium
3.	Interior Emulsion	Asian Berger ICI	Royale Luxol Silk Supercote
4.	Exterior Emulsion	Asian ICI	ACE Supercote
5.	Distemper	Asian Berger ICI	Tractor Bison Maxilite
6.	Cement Paint	Snowcem Agsarcem	Snowcem Agsarcem
7.	A.C. Sheets	Everest India Ltd. Hyderabad India Ltd. Visaka Industries Ltd. Ramco	Everest I Charminar Visaka Ramco
8.	G.I. Pipes	TATA Zenith TNT	TATA Zenith TNT
9.	PVC Pipes	Avonplast Finolex Truebore Vignesh	Avonplast Finolex Truebore Vignesh

SCHEDULE 'A'

LIST OF WORKS AND PRICES

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.	Modernization and Improvements to office buildings, conference halls, entrance, etc., at various locations in BHEL, Trichy Complex.	1,53,00,000/-		TWELVE (12) MONTHS

BILL OF QUANTITIES

Sl.No.	Appx.Qty.	Description of work	TNBP No.	Rate (Both in Unit fig & Words)	Amount Rs.	Ps.
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AS PER SEPARATE SHEETS ATTACHED CONTAINING**12**...PAGES

FROM SERIAL No. **18** to **29**

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

BILL OF QUANTITIES

NAME OF WORK: Modernization and Improvement to office buildings, conference halls, entrance etc., at various locations in BHEL, Trichy Complex

Sl. No.	Qty.	Description of work	Rate (both in figures and in words)	Unit	Amount
			Rs.P		Rs.P
1		Dismantling / removing / demolishing as the case may be of the following by manually/mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the near by low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge.			
a)	190.00	Brick work in cement mortar		Cu.m.	
b)	20.00	Plain Cement Concrete.		Cu.m.	
c)	1320.00	Ellis pattern finish / Insitu mosaic.		Sq.m.	
d)	2150.00	Tile work in floors and roofs laid in cement mortar.		Sq.m.	
e)	375.00	Doors / Windows / Ventilators (steel or wood) including frame and shutters, holdfasts, hinges, fastenings etc. of area 3 Sqm & below.		Each	

CONTRACTOR

18
ACCEPTING OFFICER

Sl. No.	Qty.	Description of work	Rate (both in figures and in words)	Unit	Amount
			Rs.P		Rs.P
f)	2870.00	False ceiling / partitions / fixed glazing, all in A.C sheet or hard board or aluminium or gypsum or other materials including connected frame works .		Sqm	
2		Removing the existing partition with door carefully from its position without damaging any portion of the partition, handing over the reusable items to the departmental stores / stacking at site. All as per the instructions of Engineer-in-charge.			
a)	175.00	Teakwood partition partly panelled and partly glazed		Sqm	
b)	1050.00	Teakwood / Aluminium partition panelled or Glazed		Sqm	
3	22.00	Brick work with F.P.S bricks (second class ground moulded chamber bricks) of class designation 50/75- in Cement mortar 1:5. In superstructure above plinth up to floor three level in all shapes and sizes.		Cum	
4	3050.00	Providing, laying and finishing the top of floor with the following best quality slabs of required sizes over a bed of cement slurry @ 3.30 Kg/SQM and a backing layer of cement mortar 1:4, 20 mm (average) thick, finished with flush pointing in white cement using appropriate colour pigment including rubbing and polishing wherever necessary etc. complete, all as per instructions of Engineer in charge and standard specifications. Marbonite tiles or equivalent, 8.50mm thick (approx) & 60cm x 60cm size.		Sqm	

Sl. No.	Qty.	Description of work	Rate (both in figures and in words)	Unit	Amount
			Rs.P		Rs.P
5	1125.00	Providing, laying and finishing the top of floor/wall with the following best quality slabs / tiles of required sizes laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS 15477, using 5 K.G adhesive per SQM of tile area, in average 3 mm thickness and finishing to the required line, level & alignment, tile mat for joints filling, including rubbing and polishing wherever necessary etc.complete, all as per instructions of Engineer in charge and standard specifications. Rate also includes removing the white wash/distemper/paint thoroughly, chipping or hacking to make the levelled surface, cleaning the surface free from dirt and other foreign matters etc. Marbonite tiles or equivalent,8.50mm thick(approx) &60cm x 60cm size.		Sqm	
6	115.00	Providing, laying and finishing the top of floor / walls with the following best quality tiles of required sizes over a bed of cement slurry @ 3.30 Kg/SQM and a backing layer of cement mortar 1:4, 20 mm (average) thick, finished with flush pointing in white cement using appropriate colour pigment including rubbing and polishing wherever necessary etc. complete, all as per instructions of Engineer in charge and standard specifications. Granite tiles (polished), 8 to 10 mm thick (approx.) - Red (Gem) colour.		Sqm	
7	75.00	Finishing the top of all floors with 25 mm thick cement concrete (without using sand) in the proportion of one part of cement and three parts of 3 to10 mm gauge hard broken granite stone chips, finishing the surfaces smooth, rounding of corners, curing, providing borders etc., complete, all as per standard specifications. (Ellispattern flooring)		Sqm	

Sl. No.	Qty.	Description of work	Rate (both in figures and in words) Rs.P	Unit	Amount Rs.P
8	145.00	<p>Manufacturing, supplying and fixing in position of anodized Powder coated aluminium single leaved / double leaved glassed door of overall size 1.00m x 2.10m or thereabout with suitable frame work as per the following specification and instructions of Engineer-in-charge.</p> <p>The all-round vertical & horizontal outer frame shall be with 4" x 1 3/4 " x 1.6mm (unit weight 1.301 Kg / m) section and for door shutter the bottom member shall be with 3 3/4 " x 1 3/4 " x 1.70 mm thick (unit wt 1.301 kg / m) shutter top and vertical shall be of size 1 3/4 " x 1 3/4 x 1.52mm (unit wt. 0.881 Kg/m) thick and shutter divider shall be of 3 3/4 " x 1 3/4 " x 1.70mm thick (unit wt. 1.243Kg/m) with necessary beadings and rubber gaskets as per standard specification. The panels shall be with 5mm thick plain glass. Door shall be provided with 2 no of 300mm long anodized powder coated aluminium handles, one no of ISI marked heavy duty door closer of approved brand, one No. of 200mm long anodized aluminium tower bolt, suitable lock (4 lever) required top & bottom all as per specification of Engineer – in charge. Rate included cost of all materials, labour and other incidentals etc., complete.</p>		Sqm	
9	275.00	<p>Providing and fixing powder coated aluminium two track sliding windows of approved colours aluminium sections of size 60 x 28 x1.20 mm for outer frame , 38 x 17 x 1.20 mm for shutter box and 38 x 17 x 1.20 mm for inter lock 4 mm thick plain glass for panes, PVC wheels, U rubber, screws, locking arrangements etc. complete, all as per instructions of Engineer – in – charge.</p>		Sqm	

Sl. No.	Qty.	Description of work	Rate (both in figures and in words)	Unit	Amount
			Rs.P		Rs.P
10	295.00	Providing and fixing powder coated aluminium alloy grills (DECOGRILLE) of following design and fixing in proper position in windows/ventilators/ balconies/partitions/fences/racks etc. with necessary appropriate type, material, brand and quality screws as per manufacturers recommendation etc.. complete, all as per the instructions of Engineer-in-charge. DECOGRILLE Design No. DG 902 with 7.50 mm plates.		Sqm	
11	1370.00	<p>Manufacturing, supplying and fixing in position of powder coated aluminium partitions for an approximate height of 3.20 m as detailed below:</p> <p>The bottom 90 cm and top 110 cm of the partition shall be of wooden, using 9 mm thick interior grade ISI marked (IS: 12823) three layered melamine faced prelaminated (both side) particle board of approved shade with anodized aluminium frame work.</p> <p>The middle 120 cm height of partition shall be of glazed using 5 mm thick hand frosted and lining glass and anodized aluminium framework of approved quality. The partitions shall be rigidly fixed on floors and walls using 8 mm anchor fasteners including cutting and making good the walls and floors etc., complete.</p> <p>FRAME WORK: The framework shall be with Powder coated anodized aluminium sections with suitable aluminium beadings and rubber gaskets. The bottom member shall be of size 3 ¾" x 1 ¾" and 1.70 mm vertical members shall be of size 2 ½" x 1 ½" and 1.28 mm thick (weight 0.759 kg/m). The verticals shall be generally spaced at 0.90 m centers and can be thick (weight</p>		Sqm	

Sl. No.	Qty.	Description of work	Rate (both in figures and in words)	Unit	Amount
			Rs.P		Rs.P
		1.301 kg/m). The middle, top and suitably varied at corners, wall junctions etc, without affecting the general elevation. Generally all the vertical sections shall be taken up to ceiling height and fixing the same with RC beams / slabs for better rigidity. Rate includes cost of all materials, labour, powder coating and lining the glass works and other incidentals etc., complete.			
12	5.00	Supplying and fixing in position of aluminium powder coated window cum ventilator of which powder coated aluminium window having fixed glass and powder coated adjustable glass louvers above window using standard anodized aluminium section of size 2½” x 1½” for frames confirming to IS: 1948 of latest edition. The fixed and louvered glass panels shall be 5mm thick frosted glass panes. The ventilator should have required No. of louvers fitted properly in aluminium frame work having arrangement to close / open. The rate quoted shall include cost of all materials, labour, fixing charges, locking arrangements etc. all as per standard specifications, drawing and code of practice and instruction of Engineer-in-charge.		Sqm	
13	50.00	Carrying from BHEL stores for powder coating the aluminium windows / ventilators / partitions to the required thickness (minimum 15 microns) and fixing to match the walls / frames, etc. complete. Rate includes conveyance, transporting, PVC wheels, rubber, screws, cost of powder coating, labour charges, etc., complete as per instructions of Engineer-in-charge.		Sqm	

Sl. No.	Qty.	Description of work	Rate (both in figures and in words) Rs.P	Unit	Amount Rs.P
14	545.00	Providing polyester sun control film of approved brand (GARWARE or equivalent) and shade to glazed panels in doors / windows / ventilators / partitions etc. with proper adhesive, all after removing the existing damaged film if available etc. complete. All as per instructions of Engineer in charge. Rate includes cost of all materials, scaffolding charges, labour, all other incidentals etc., complete. Non reflective Type - Regular grade.		Sqm	
15	3760.00	Providing false ceiling at all heights with 12-14mm thick, acoustic tiles of Armstrong or equivalent specification including providing and fixing frame of grid size 610mmx610mm using GI sections of main tees of size 24mm x 35mm, cross tees of size 24mm x 27mm, wall angles 19mm x 19mm, suspended by hangers of commercial ceiling angles or equivalent from the RCC roof or trusses etc. complete. Additional hangers and height adjustment clips shall also to be provided wherever light fixtures / AC grills / diffusers are flush to the ceiling frame work and the Armstrong boards have to be made alright accordingly, Rate to include cost of all materials involved including suitable fasteners, screws etc., labour charges and all other incidentals etc. Complete. All as per standard specification and instruction of Engineer -in – charge.		Sqm	
16	250.00	Providing DECOCEIL boards false ceiling with NCL seccolor exposed T & L grid system at the required heights above floor level, all as per standard specifications and instructions of Engineer-in-charge. FRAME WORK: The frame work will consists of NCL Seccolor or any other equivalent approved brand of exposed grid system using roll formed hot dipped		Sqm	

Sl. No.	Qty.	Description of work	Rate (both in figures and in words)	Unit	Amount
			Rs.P		Rs.P
		galvanised steel sections, exposed surfaces chemically cleaned, capping pre-finished in baked polyester paint of approved shade of T section 25 x 38 mm, 1.20 mm thick and L section 25 x 25 mm, 0.80 mm thick. The frame grid shall be of size 610 x 610 mm. Grids are to be suspended by 6 mm M.S rods or GI wire from the RCC roof or trusses at suitable intervals (not more than 1200 mm) or as per manufacturer's recommendation. The suspenders along with spring steel 'U' clip allowing final level adjustment are to be fixed in the RCC roof or trusses by using metal fasteners, etc. Suitable T / wall angles are to be used wherever necessary such as near walls, columns, light fixtures, A.C. grills etc.			
		CEILING: The DECOCEIL ceiling board of 3.20 mm thick with required patterns and sizes, painted with one coat of primer on both sides. Panels shall be placed in position and held by suitable spring clips, headless nails with the G.I. grid frames. Wherever light fixtures and A.C. grills / diffusers are flush to the ceiling, the ceiling board has to be cut accordingly.			
		Rate includes cost of all materials, labour, tools, scaffolding, taxes, duties etc., complete. Payment will be made based on the actual surface area of work done.			
17	725.00	Supplying and fixing of vertical Venetian blinds 100mm wide with dual colour of approved make (Hunter Douglas make or equivalent) and shade and / as decided by BHEL - for windows / ventilators. Rate inclusive of cost of all materials, labour for fixing and incidentals etc., complete.		Sqm	

Sl. No.	Qty.	Description of work	Rate (both in figures and in words)	Unit	Amount
			Rs.P		Rs.P
18	25.00	Supply and fixing horizontal Venetian blinds of approved make and shade with powder coated, stove enameled aluminium imported flats of 25 mm width, polyester braided ladder web, chrome plated crash proof cord lock, anodized aluminium head rail and bottom rail with tilt rod system and complete fittings, etc.		Sqm	
19	320.00	Plastering with cement mortar as per standard specifications. In Cement mortar 1:5, 12mm thick.		Sqm	
20	2890.00	Applying two coats of Alltek Superfine (interior plaster) putty to a thickness of 2mm over plastered surface including sand papering and preparing the surface smooth and there after applying one priming coat of Alltek primer and two coats of plastic emulsion paint of approved brand and shade, all as per instructions of Engineer-in-charge.		Sqm	
21	5050.00	White washing two coats on surfaces using Janathacem or equivalent material to give an even shade including cleaning, brushing of walls and preparing surfaces in accordance with standard specifications. Rate includes cost of all materials, labour, curing etc., complete.		Sqm	
22	700.00	Distemping two coats using oil bound washable distemper of approved brand and shade on surfaces including cleaning, brushing, preparing the surfaces even and sand papered smooth in accordance with standard specifications.		Sqm	

Sl. No.	Qty.	Description of work	Rate (both in figures and in words)		Unit	Amount
			Rs.P			
23	100.00	Polishing two coats with French polish including a coat of wood filler to give an even surface, including cleaning the surfaces of all dirt, dust and sand papered smooth, all as per standard specifications.			Sqm	Rs.P
24	250.00	Painting two coats with ready mixed plastic emulsion paint of approved brand and shade on surfaces to give an even shade including thorough scraping, removal of dirt, applying necessary plaster of paris, putty etc. complete, all as per standard specifications.			Sqm	
25	120.00	Providing wall cladding out of 3mm thick exterior grade aluminium composite panel with 2" x 1" & 1" x 1" x 1.2mm aluminium channels and weather proof silicon sealants for pillars of circular and rectangular sections and walls. The rate quoted shall include cost of all labour, materials with wastages, scaffolding, sheet bending cost for circular/ rectangular pillars, all other incidental charges etc. complete. The work shall be carried out as per the direction of the Engineer-in-charge. Circular / Rectangular pillar area.			Sqm	
26		Conveyance of earth, sand, gravel, rough stone, broken stone, brick bats (debris) etc. by contractor's own lorry including loading, leading, unloading, stacking or spreading, all as per instructions of Engineer-in-charge. Payment for conveyance of earth will be made based on pit measurement and for other items based on stack measurements.				
a)	50.00	0 - 1 Km			Cum	

Sl. No.	Qty.	Description of work	Rate (both in figures and in words) Rs.P	Unit	Amount Rs.P
b)	90.00	Beyond 1 Km but up to 2 Km		Cum	
c)	70.00	Beyond 2 Km but up to 3 Km		Cum	
27	20.00	Providing and fixing Hunter Douglas Duette honey comb blinds of approved colour and shade for windows, with seamless fabrics in 3/8" fleets with opaque opacity and honey comb construction suspended from powder coated aluminium top channel of size 1½" x 1"x 1mm with ultra glide operating system (fixed chord length and retractable) for lifting and dropping the blinds. All as per manufacturer's specifications and instructions of Engineer-in-charge.		Sqm	
28	20.00	Supplying and fixing NCL seccolor double glazed windows with 600mm wide open able shutter and the remaining width with fixed glazing. made out of 0.50mm thick roll formed galvanized and powder coated steel sections (Base steel as per IS:513D quality galvanized as per IS: 277 with zinc of 120gsm and powder coating with pure polyester powder up to 50 to 60 microns) with sections of 46mm x 52mm for external frame, 46mm x 46mm for shutter frame & 46mm x 70mm for mullions and 18mm x 25mm glazing clips ,aluminium powder coated handles, EPDM gaskets, CRCA zinc phosphated corner brackets, glass filled nylon mullion caps and insulating double glass unit of 20mm thick (5mm clear plain glass + 10mm vacuum gap + 5mm clear plain glass). The scope includes fixing of windows by using nylon caps and screws. All as per manufacturer's specifications and instructions of Engineer-in-charge.		Sqm	

Sl. No.	Qty.	Description of work	Rate (both in figures and in words) Rs.P	Unit	Amount Rs.P
29	250.00	Providing and fixing LUXLON perforated corrosion resistant aluminium alloy (AA 3105) metallic false ceiling system of approved colour and shade consisting of clip-in tiles 600mm x 600mm x 0.70mm thick (TCT) with beveled edge coil coated on a continuous paint line with perforations of size 2.50mm dia. at 5.5mm pitch having 16% open area with acoustical felt . The tiles are clipped with galvanized steel clipping profile 20mm wide and 40mm thick suspended from roof by using GI suspension rods of 4mm dia. and galvanized suspension spring clips at a distance of 1200mm c/c. The edges of wall are fixed with powder coated GI wall angles of size 23mm x 23mm x 1mm. All as per manufacturer's specifications and instructions of Engineer-in-charge.		Sqm	
30	195.00	Supply and laying of vinyl flooring with 3mm thick "K3" wood plank designed vinyl tiles made out of decorative and laminated PVC tiles having wear layer of 0.03mm and weight of 5.36 kg / Sqm. The tiles have to be fixed with rubber based adhesive. All as per manufacturer's specifications and instructions of Engineer-in-charge.		Sqm	

TOTAL _____

(RUPEES only)

SCHEDULE 'B'

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

SI.No.	DESCRIPTION	PLACE OF ISSUE
1	Cement	BHEL STORES or Stock yard
2	M.S Rounds, C.T.D Bars & Structural Steel,	BHEL STORES or Stock yard

2. It will be the responsibility of the Contractor 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 contractor may be supplied by BHEL after necessary procurement. The contractor 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.). Contractor 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 Contractor.
6. The contractor 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 contractor, the contractor 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 contractor.

SCHEDULE 'C'

ISSUE OF TOOLS AND PLANTS TO CONTRACTORS

Sl.No.	Qty.	Particulars	Details of BHEL Crew Supplied	Hire Charges Per unit Per Day	Place of Issue	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 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	SKETCH-01	PROPOSED MODULR LAYOUT IN HRM AREA –BLDG 24 / GF
2	SKETCH-02	PROPOSAL MODULAR LAYOUT IN SUBCONTRACTING VALVES AREA BLDG 24 GF
3	SKETCH-03	PROPOSED MODULAR WORK STATION FOR 53 BLDG/ SF
4	SKETCH-04	PROPOSED MODULAR WORKSTATION IN ARCHIVES

SCHEDULE 'E'

LEAD STATEMENT

Sl.No.	Name of Material	Name of Source	Lead Particulars both for Factory and Township
1	Cement	BHEL Stores	2 Kilometre
2	M.S Rounds, C.T.D Bars & Structural Steel	BHEL Stores	2 Kilometre

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

AUTHORITY TO TENDER

Tender Notice No. **01/10-11** Office of the
 MANAGER/ CIVIL /PLANNING/ FACTORY,
 BHARAT HEAVY ELECTRICALS LIMITED
 TIRUCHY – 14.

Tender Schedule No. **02/10-11**

~~Lumpsum / Percentage rate / Item rate~~ tender for works required in **“Modernization and Improvements to office buildings, conference halls, entrance, etc., at various locations in BHEL, Trichy Complex.”**

Messrs. are / is hereby authorized to tender for the above work. The Tender is to be delivered at the Office of the **MANAGER/CIVIL/PLANNING/FACTORY** Bharat Heavy Electricals Limited Unit, Thiruverumbur, Tiruchirappalli – 620 014 superscribing the name of works 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 Manager/Civil /Planning (Factory)
Bharat Heavy Electricals Limited
Unit : Tiruverumbur
TIRUCHIRAPPALLI – 620 014.

I / We hereby offer to carry out the work of “ **Modernization and Improvements to office buildings, conference halls, entrance, etc., at various locations in BHEL, Trichy Complex.**”.

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

1. Specifications (General & Particular)
2. Drawings
3. Schedule ‘A’, ‘B’, ‘C’, ‘D’ & ‘E’ and Bill of Quantities attached hereto.
4. Schedule or 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 & condition contained or referred therein and as detailed in Schedule ‘A’ and Bill of Quantities annexure thereto an 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 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

Signature of the Contractor

Date :

1.

2.

GENERAL SUMMARY

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

Rupees.....
.....
Shri..... in
the capacity of has
been duly authorized by me / use 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

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

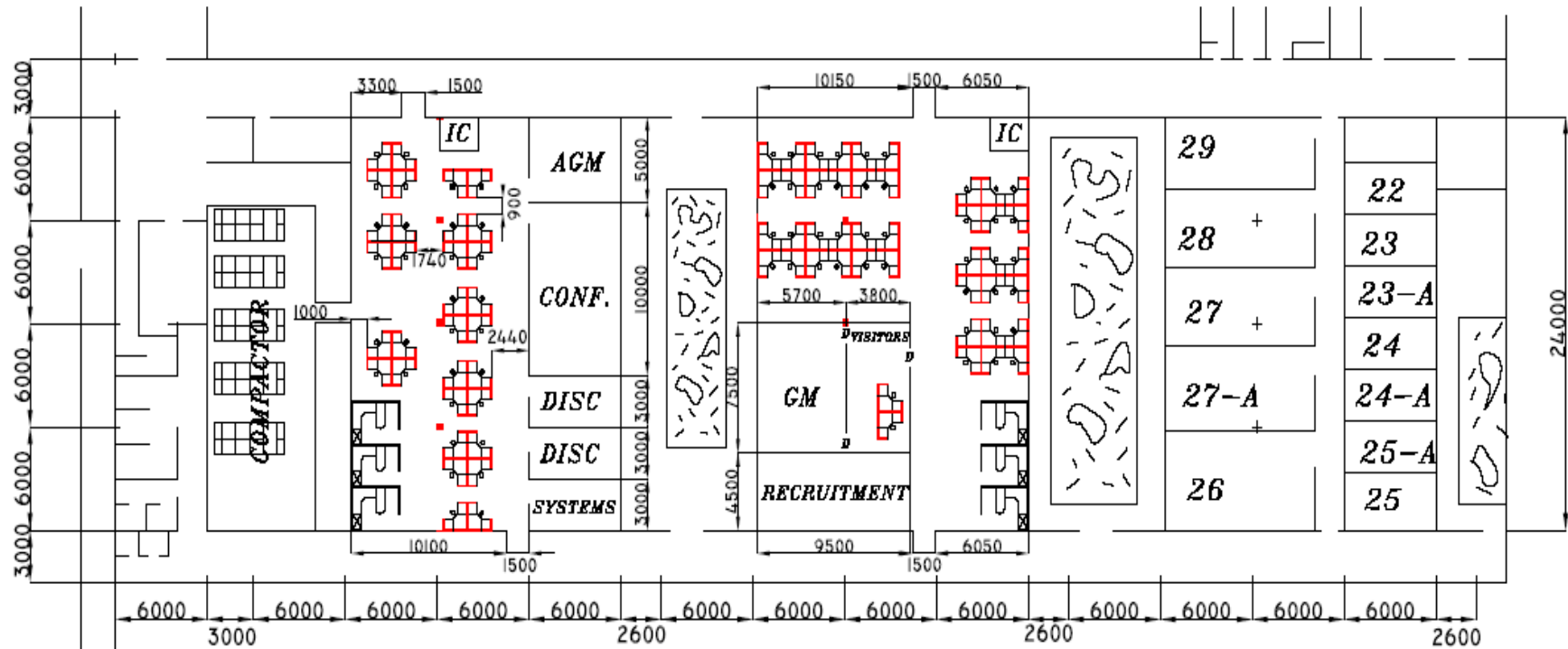
.....
.....
..... is hereby authorized to sign and initial on my behalf the documents forming part of this contract (Number of alternation in figures and words to be given me)

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 item rates as indicated in the Bill of Quantities attached to Schedule 'A'.

Signature Date.....

Designation

PROPOSED MODULAR LAYOUT IN HRM AREA BLDG 24/GF

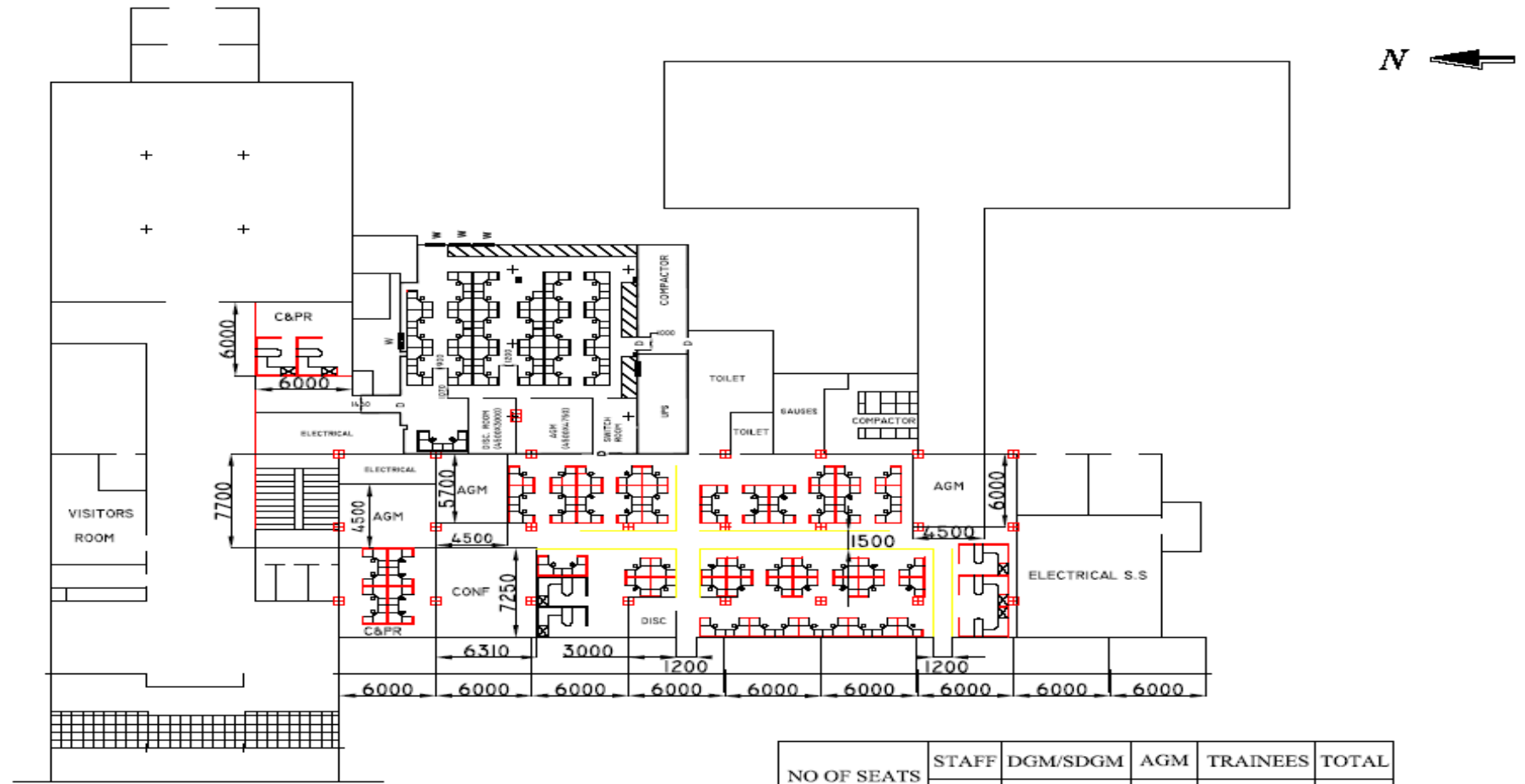


NO OF SEATS	STAFF	DGM/SDGM	AGM	GM	TOTAL
	76	06	01	01	84

MODULAR SIZE= 1500mm x1500mm x 1200mm
 SR EXECUTIVE'S MODULAR SIZE =3000mm x 2400mm x 1200mm
 ALL DIMENSIONS ARE IN mm

SKETCH-01
 30.04.2010

PROPOSAL MODULAR LAYOUT IN SUBCONTRACTING VALVES AREA BLDG 24/GF

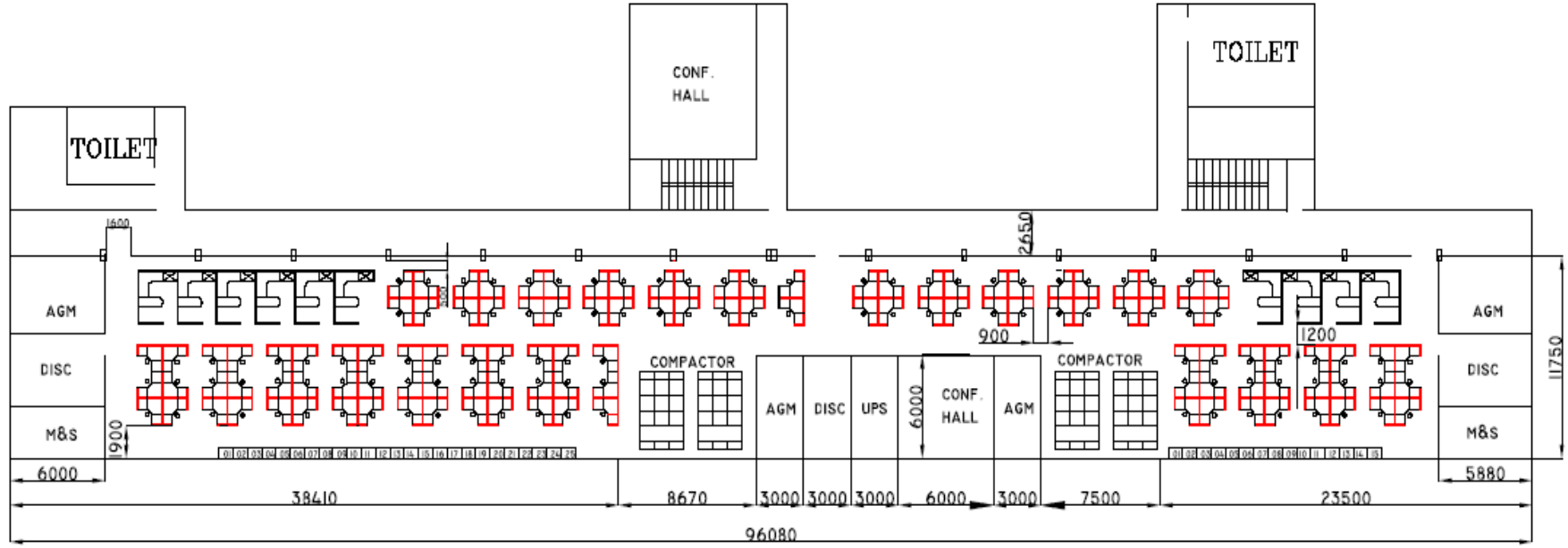


NO OF SEATS	STAFF	DGM/SDGM	AGM	TRAINEES	TOTAL
	67	07	03	-	77

SKETCH-02
27.04.2010

MODULAR SIZE= 1500mm x 1500mm x 1200mm
SR EXECUTIVE'S MODULAR SIZE =3000mm x 2400mm x 1200mm
ALL DIMENSIONS ARE IN mm

PROPOSED MODULAR WORKSTATION FOR 53 BLDG/SF



NO OF SEATS	STAFF	DGM/SDGM	AGM	TRAINEES	TOTAL
	119	10	4	40	173

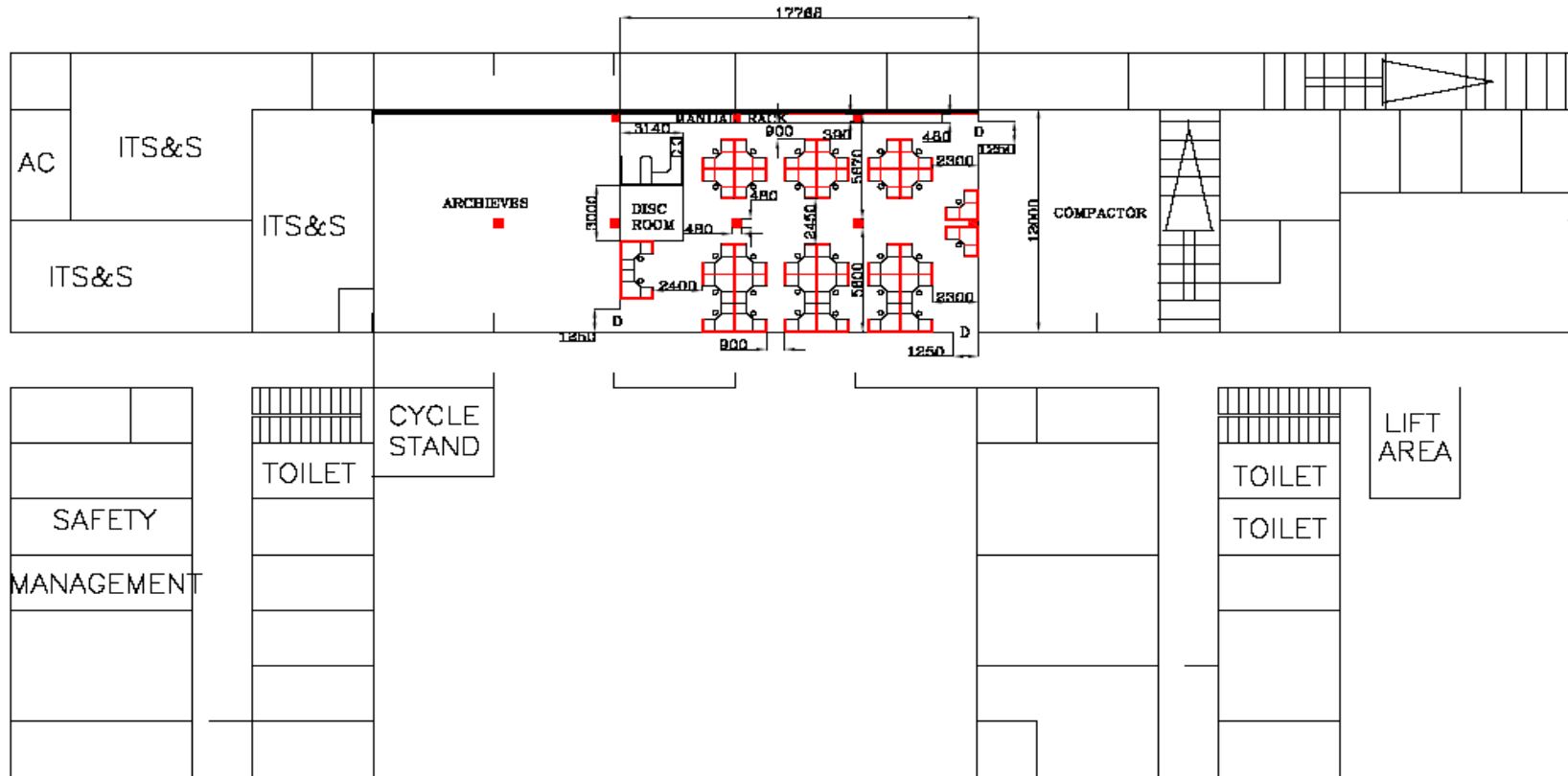
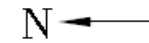
MODULAR SIZE= 1500mm x1500mm x 1200mm
 SR EXECUTIVE'S MODULAR SIZE =3000mm x 2400mm x 1200mm
 ALL DIMENSIONS ARE IN mm

SKETCH-03
 30.04.2010

CONTRACTOR

38
 ACCEPTING OFFICER

PROPOSED MODULAR WORKSTATION IN ARCHIEVES



NO OF SEATS	STAFF	DGM/SDGM	TOTAL
34	01		35

NOTE:

SR.EXECUTIVE'S MODULAR SIZE =3000mmX2400mmX1200mm
 MODULAR SIZE =1500mmX1500mmX1200mm
 ALL DIMENSIONS ARE IN mm

SKETCH-04

30.04.2010