

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

TENDER DOCUMENT (PRICE BID)

Name of work : Repairs & Maintenance work at
Transit flat - Ashok Nagar in Chennai

Value of work : Rs. 11 Lakh

Tender Notice No. : Township – 01 / 12

Tender Schedule No. : T – 10 / 12

Period of Contract : 12 Months

Issued to :



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

CIVIL ENGINEERING DEPARTMENT

NOTICE INVITING TENDER

01. Name of work : **Repairs & Maintenance work at
Transit flat - Ashok Nagar in Chennai**
02. Estimated Cost : **Rs. 11 Lakh**
03. Earnest Money Deposit : **Rs. 40,000/-**
04. Completion Time : **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 : **09.30 Hrs. on 11 06 12**
07. Date of Tender Opening : **10.00 Hrs. on 11 06 12**
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 **168** 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

CONTRACTOR

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

**CIVIL ENGINEERING DEPARTMENT (TOWNSHIP)
PREAMBLE**

The scope of work includes **Repairs & Maintenance work at Transit flat - Ashok Nagar in Chennai**

01. The tender value includes cost of cement, reinforcement steel & structural steel .
02. Time is the essence of the contract. Being a time bound project, the contractor should make all efforts to complete the work in time. Even though the overall completion period is indicated as **12 months**, the works shall be completed progressively and handed over as per agreed split up schedule.
03. The tenderers are advised to visit the site and get themselves acquainted with the site conditions before submitting the offer.
- 04.. The following eligibility criteria shall be complied to fulfill the Qualification Bid:-
 - A) Separate Registration for EPF, PAN & Service Tax , IT returns acknowledged by IT Office, Profit & Loss Account and Balance Sheet certified by the auditor for the last three years (2008-11).
 - B) Average annual turnover in civil works in the last three years shall be at least for a value of Rs. 3 Lakhs .
 - C) During last seven financial years should have successfully completed either
 - i) Three Civil works each not less than Rs.4 Lakhs .
 - or
 - ii) Two Civil works each not less than Rs. 6 Lakhs
 - or
 - iii) One Civil work not less than Rs. 9 Lakhs
 - D) Latest solvency certificate (Obtained within 6 months) from Nationalised / Scheduled bank, shall be at least for a value of Rs. 4 Lakhs.
- 05.. The works executed in the own name of the tenderer only will be considered for eligibility criteria.
06. Dissimilar / irrelevant works will not be considered for eligibility criteria.
07. Documentary evidences (Xerox copies - attested) for turnover, works experience, P.F, & Sales Tax registration etc., all as indicated & required in the tender document should be furnished without which it will not be taken into account.
08. The value of turnover and the value of similar works mentioned above includes cost of cement, reinforcement steel and structural steel. However if the turnover value furnished by the tenderer excludes the above materials, then the tenderer has to furnish the cost of the materials separately. If it is not furnished, the material cost will be presumed as follows.

Civil & structural works combined	- 100%
Civil works alone	- 54%
Structural works including cloaking items	- 233%
Other minor maintenance works	- 25%

CONTRACTOR

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09. 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.
10. Agencies who had already been qualified and enlisted by BHEL under various money category can obtain tender document for the eligible value of work after paying the cost of tender document. They may submit the tender document duly signed in all pages and no evaluation for qualification is required for them.
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 months** or till completion of work 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 including materials incorporated in the work, 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. The contractor should submit the mix design for RCC for different mix of concrete for different grade of cement at his cost through reputed institution.
16. The contractor should use only weigh batch for all reinforced cement concrete works (controlled concrete). The tenderer is advised to install concrete mini batching plant at site considering the quantum of concrete work involved.
17. 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.
18. 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.**
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. **The contractor has to furnish the security deposit, as per Clause 13 of Tender Notice, attached in the Price Bid if the work is awarded. Further the contractor has to furnish 50 % of security deposit before signing of agreement and commencement of work.**
21. The contractor should bring the construction earth moving machineries like Poclain, Paver, Road Roller, JCB etc., as and when required for the work without any delay. Also required number of the following tools & Plants / instruments shall be made available always at site for the works.

- a) Precise Leveling instruments and theodolite.
 - b) Full load mixture machine / mini batching
 - c) Petrol / Kerosene driven vibrator/ mechanical vibrator
 - d) Cube moulds
 - e) Inter carting vehicle (tractor, hand trolley etc)
 - f) Hydra cranes
 - g) Power operated winches
 - h) Mobile / Hydraulic crane
 - i) Welding machine etc.
22. 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.
23. The contractor has to execute any item of work irrespective of the quantity available in the tender without any reservation / extra cost till the contract value does not vary more than 20%.
24. 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 at his own cost.
25. 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 or as required by the department for processing bill.
26. The decision of Engineer-in-charge shall be final and binding on the contractor regarding clarification of items in this tender schedule.
27. The works contract to be entered into with the successful tenderer will be governed by the BHEL Revised General Conditions of Contract in force.
28. The contractor shall strictly adhere to various labour laws in force.
- 29.. 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.
30. 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.
31. The contractor should establish his own site office, fabrication yard, handling facility, storage facility to stock cement etc., for which vacant land will be allotted on specific request for which the rent will not be collected.
32. 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:

Civil Engineer (Graduate in Civil Engineering)	-	1 Nos.
Supervisor/Engineer (Diploma Holder)	-	2 Nos.

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

33. Adequate number of Quality Engineer and qualified Safety Engineer should be deployed at site.
34. 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.
35. 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.
36. 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.
37. The contractor shall follow norms of BHEL security system for movement of men & materials within the complex.
38. Exclusive Stores personnel should be engaged who would co ordinate with department official for clearance and collection of BHEL supplied materials required for works.
39. Separate non-technical persons should be engaged for arranging daily gate passes for labours and vehicles entry in all the gates of Factory / Township Complex.
40. 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.
41. 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.
42. All the works shall be executed as per the standard specifications as provided in TNBP / BIS.
43. All the materials to be used in the work and the nature of work shall conform to the respective TNBP & BIS 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.
44. The contractor should maintain proper accounts for cement, reinforcement steel and structural steel sections and other materials if any supplied by this organisation and these should be available at the site of work for verification and check by the Officials of this Organisation at any time.
45. 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.

All the structural works including fabrication, erection etc., are subject to inspection and clearance by Third Party Agency fixed by BHEL.
46. The contractor should use only the materials of brand and quality as approved by BHEL.
47. All materials and consumables brought by the contractor should have manufacturer's certificate.

48. 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.
49. 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.
50. Contractor's materials and tools & plants shall have to be brought inside factory / Township with proper invoice / voucher and make necessary entry in the security gate. They should maintain proper record for tools and plants, materials, etc., brought inside.
51. The contractor should extend fullest co-operation with the third party agencies engaged, if any by BHEL, to adhere the Quality Control Procedures ensuring quality.
52. 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.
53. 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.
54. 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.
55. 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.
56. 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.
57. Bank Guarantee format can be obtained after award of work in case of successful tenderer.
58. No advance / mobilization advance will be given.
59. LD / Penalty clause is applicable as per General Conditions of Contract in force.
60. 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 Tender.
61. 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.

INSTRUCTIONS TO TENDERERS

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

NOTE :

- a) Copies of testimonials unless attested by a Gazetted Officer will not be accepted
- b) Non – Submission of the above testimonials simultaneously with the tenders may result in the tender being rejected
2. The tenders should be accompanied by a list of contracts already held by the contractor at the time of submitting the tender and giving the following particulars
 - a) Value of each contract
 - b) The balance value of work to be done on the same
3. The tenderer is advised to obtain the tender documents in person or by a messenger duly authorized to do so. The BHARAT HEAVY ELECTRICALS LIMITED will not under any circumstances accept responsibility for the non – receipt of delay in the receipt of the tender documents by the 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 work including materials, the same will be reimbursed on submission of the documentary evidence for having paid service tax by the tenderer.**
6. Should a tender find discrepancies or omissions in the drawings or any of the tender documents or should be in doubt as to their meaning, he should at once address the authority inviting the tender for clarification. Every 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 building Contractor will have to tender all necessary co-operation to the agencies involved so as to ensure the smooth progress of all work.
10. The contractor's responsibility under this contract shall commence from the date of receipt of the LOI by the tenderer. The scheduled period of completion for this work will be as mentioned in page No. 01, and the Contractor will have to plan his work accordingly.
11. Generally, the maintenance period for any work under BHEL Organisation will be SIX (6) MONTHS .

12. Earnest Money Deposit:

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

Works costing 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 contractor on the list of approved Contractors have a relative, or in the case of a firm or Company of contractors any of its share holders or shareholder's relative, employed in a gazetted capacity in the Engineering Department of the Bharat Heavy Electricals Limited, the authority inviting tenders shall be informed of this fact at the time of submission of the tender, failing which tender, may be disqualified or if such fact subsequently comes to light, the contract may be rescinded in accordance with the relevant provisions in the General Conditions of Contract.
14. If tenderer expires after the submission of his tender or after the acceptance of his tender the BHEL may, at their discretion, 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 recognise such power of attorney and changes after obtaining proper legal advice the cost of which will be chargeable to the contract concerned.
16. If the tenderer deliberately gives wrong information in his tender or creates conditions favourable for the acceptance of his tender, the Bharat heavy Electricals Limited, reserves the right to reject such tender at any stage.
17. Words importing the singular number shall also be deemed to include the plural number and vice versa where the context so requires.
18. The expenses for completing and stamping the agreement shall be paid by the contractor.
19. The General and special conditions are complementary to each other and where they are conflict the Special Conditions shall prevail. In regard to matters not covered by the General and Special Conditions of Contract, those contained in the Tamil Nadu Building Practice Standard Specifications or other specifications approved by the Bharat Heavy Limited, Shall apply.
20. Tenderers shall not increase their quoted rate in case the Bharat Heavy Electricals Limited, negotiates for negotiation for reduction of rate. Such negotiation shall not amount to cancellation or withdrawal of the original offer and the rate originally quoted shall be binding on the tenderes for a period of three months from the date of opening of tenders.
21. Canvassing in any form in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection
22. All contractors will have to produce 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 : **Repairs & Maintenance work at Transit flat - Ashok Nagar in Chennai**

ESTIMATED COST : Rs. 11 Lakh

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 / PLANNING / CIVIL / TOWNSHIP Bharat Heavy Electricals Limited, Tiruchirappalli – 620 014. upto 09.30 hrs. on **11 06 12** and will be opened on the same day at 10.00 hrs. at the Office of the ADDL. GENERAL MANAGER/ CIVIL / TOWNSHIP in the presence of such of those tenderers. Or their agents who may choose to attend.
2. TENDER FORMS and other particulars regarding the proposed work can be obtained on any working day from 8.00 A.M. to 4.30 P.M. upto **09 06 12** 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 **MANAGER / CIVIL / PLANNING (TOWNSHIP)** with full name and address of the tenderer and the name of work being noted on the cover
4. All entries in the tender documents should be in one ink. Erasers and overwritings are not permitted. All cancellations and insertions should be duly signed by the tenderer concerned.
5. TENDERERS should fill in all the required particulars in the blank spaces provided for this purpose in the tender documents and also sign each and every page of Tender Documents including the drawings attached there to before submitting their tender.
6. UNIT rate should be quoted in figures as well as in words with reference to each item and for all the items shown in the attached schedule. These rates shall be for the finished work in site. Amount of each item and the total page by page and also the grand total amount of the whole contract should be filled in by the tenderers. Unit rate quoted shall be the basis for arriving the total value of the tender. The total amount for every item shall be arrived by multiplying the unit rate with the quantity indicated for that item. In case of any deviation is noticed in the total amount, the same will be corrected and evaluated by taking unit rate as basis and multiplying with the quantity indicated.
7. QUANTITIES shown in the attached schedule are only approximate and are liable to variation without entitling the contractors to any variation in the Quoted rates till the total value of the Contract does not vary by more than 20% (twenty percent)
8. In quoting their rates, the tenderers are advised to take account all factors including any fluctuations in the market rates etc. No claim will be entertained on this account after acceptance of the tender or during the currency of the contract.
9. Before tendering, the tenderers are advised to inspect the site of work and its environments and be well acquainted with the actual working and other Prevalent conditions position of materials and labour, General and Special Conditions of Contract. Instructions to tenders, drawings and Specifications and all other documents which form part of the Agreements to be entered into.
10. The rate quoted in the tender shall remain valid for a period **THREE MONTHS** from the date of opening of tenders.

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

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

13. Security Deposit

- 13.1 Security Deposit should be collected from the successful tenderer . The rate of Security Deposit will be as below:

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 contractor.

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

- i) Cash (as permissible under the Income Tax Act)
- ii) Pay Order, Demand Draft in favour of BHEL.
- iii) Local cheques of scheduled banks, subject to realization.
- iv) Securities available from Post Offices such as National Savings Certificates, Kisan Vikas Patras etc.
(Certificates should be held in the name of Contractor furnishing the security and duly pledged in favour of BHEL and discharged on the back).
- v) Bank Guarantee from Scheduled Banks / Public Financial Institutions as defined in the Companies Act subject to a maximum of 50% of the total security deposit value. The balance 50% has to be remitted either by cash or in the other form of security. The Bank Guarantee format should have the approval of BHEL.
- vi) Fixed Deposit Receipt issued by Scheduled Banks / Public Financial Institutions as defined in the Companies Act . The FDR should be in the name of the contractor, A/C BHEL, duly discharged on the back.
- vii) Security deposit can also be recovered at the rate of 10% from the running bills. However in such cases at least 50% of the Security Deposit should be collected before start of the work and the balance 50% may be recovered from the running bills.
- viii) EMD of the successful tenderer shall be converted and adjusted against the security deposit.
- ix) The security deposit shall not carry any interest.

NOTE: Acceptance of Security Deposit against Sl. No. (iv) and (vi) above will be subject to hypothecation or endorsement on the documents in favour of BHEL. However, BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith.

14. Unless the contractor whose tender is accepted signs the Contract Agreements and makes the necessary security deposit specified in Para 13 above within Seven days of the date of the order directing him to do so the amount of Earnest Money Deposit already deposited by him will be forfeited and acceptance of his tender withdrawn.
15. After tender opening if tenderer revokes his tender or increases his earlier quoted percentage rate or after acceptance of his tender does not commence the work in accordance with the instruction of the Engineer-in-charge, the Earnest Money deposited by him will be forfeited and acceptance of his tender withdrawn. If only a part of the work included in the tender had been awarded to the tenderer, the amount of Earnest Money to be forfeited will be based on the value of the contract so awarded.
16. The Bharat Heavy Electricals Limited reserved the right to reject any or all the received or accept any tender or part 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 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

SCHEDULE 'A'
LIST OF WORKS AND PRICES

NAME OF WORK: Repairs & Maintenance work at Transit flat - Ashok Nagar in Chennai.

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.	Repairs & Maintenance work at Transit flat - Ashok Nagar in Chennai.	11 Lakhs	(Rupees eleven lakh only)	12 MONTHS

BILL OF QUANTITIES

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

AS PER SEPARATE SHEETS ATTACHED CONTAINING 19 PAGES

FROM SERIAL No. **15** to **33**

CONTRACTOR

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ACCEPTING OFFICER

BILL OF QUANTITIES**Name of work : Repairs & Maintenance work at Transit flat - Ashok Nagar in Chennai**

Sl. No.	QTY	DESCRIPTION OF WORK	RATE (BOTH IN FIGURES & IN WORDS)	UNIT	AMOUNT
1	2.00	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar		CUM	
2	1.00	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. 1:4:8 or leaner mix		CUM	
3	1.00	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.		CUM	
4	5.00	Dismantling precast concrete or stone slabs in walls, partition walls etc. including stacking within 50 metres lead: Thickness up to 40 mm		SQM	
5	75.00	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm		SQM	
6	10.00	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chow hats, architrave, holdfasts etc. complete and stacking within 50 metres lead :Of area 3 sq. metres and below		EACH	
7	20.00	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead: Of area 3 sq. metres and below		EACH	

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8	50.00	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge 15 mm to 40 mm nominal bore	M
9	50.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth.1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50m and lift up to 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil	CUM
10	1.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size	CUM
11	1.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	CUM
12	1.00	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	CUM
13	0.50	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars.	Kg
14	5.00	Centering and shuttering including strutting, propping etc. and removal of form for :Suspended floors, roofs, landings, balconies and access platform.	SQM

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15	5.00	Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers.	SQM
16	1.00	Providing and fixing up to floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc. including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3coarse sand), cost of required centering, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 Cement : 3 fine sand)on exposed surfaces complete.1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	CUM
17	50.00	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5sq. meters and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50metres lead :With cement mortar 1:4 (1cement: 4 coarse sand).	SQM
18	250.00	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. Fixed to openings /wooden frames with rawl plugs screws etc.	Kg
19	20.00	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets 20 mm dia (heavy type)	M
20	3.00	Providing and fixing IS : 3564 marked Aluminium die cast body tubular type universal hydraulic door closer with necessary accessories and screws etc. complete.	EACH
21	6.00	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc.complete (best make of approved quality).	EACH

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22	24.00	Providing and fixing 75 mm aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete	EACH
23	24.00	Providing and fixing 125 mm aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete	EACH
24	24.00	Providing and fixing 250x16mm aluminium sliding door bolts ISI marked anodised(anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete	EACH
25	12.00	Providing and fixing 300x16 mm aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete	EACH
26	24.00	Providing and fixing 150x10 mm aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :-	EACH
27	24.00	Providing and fixing 200x10 mm aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete	EACH
28	24.00	Providing and fixing 250x10 mm aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete	EACH

29	24.00	Providing and fixing 300x 10 mm aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :	EACH
30	24.00	Providing and fixing ISI marked 125x65x2.12 mm oxidised M.S. pressed butt hinges with necessary screws etc. complete.	EACH
31	24.00	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	EACH
32	9.00	Providing and fixing factory made P.V.C. door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet mitred at corners and joined with 2 Nos. of 150mm long brackets of 15x15mm M.S. square tube, the vertical door profiles to be reinforced with 19x19mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100mm size complete as per manufacturers specification and direction of Engineer-in-Charge.	M

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|----|-------|--|-----|
| 33 | 9.00 | <p>Providing and fixing to existing door frames. 30mm thick factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for styles and 15x15mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture . M.S. frame covered with 5mm thick heat moulded PVC 'C' channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 45degree angle on either side forming styles; and 5mm thick, 95mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel. 10mm (5mm x 2) thick, 20mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. panelling of 5mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7mm (5mm+2mm) thick x 15mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge. Manufacturer's specification & drawing (for W.C. and bathroom door shutter)</p> | SQM |
| 34 | 20.00 | <p>Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40mm thick with 20mm nominal size stone aggregate.</p> | SQM |
| 35 | 50.00 | <p>Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brown laid on 20mm thick bed of Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete.</p> | SQM |

36	50.00	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	SQM
37	3.00	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick.	SQM
38	3.00	Marble stone flooring with 18mm thick marble stone (sample of marble shall be approved by Engineer-in-charge) over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with : Black Zebra.	SQM
39	50.00	Providing and laying polished vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 60x60 cm	SQM
40	20.00	Extra for pre finished nosing to treads of steps of marble stone.	M
41	25.00	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477 , using 5kg. adhesive per sqm of tile area, in average 3mm thickness.	SQM

42	3.00	Providing & fixing UV stabilised fibreglass reinforced plastic sheet roofing up to any pitch including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel roving incorporating minimum 0.3% Ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. 2mm thick corrugated (2.5" or 4.2" or 6") or step down (2" or 3" or 6") as specified.	SQM
43	30.00	12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)	SQM
44	30.00	15 mm cement plaster on rough side of single or half brick wall of mix : 1:4 (1 cement: 4 coarse sand)	SQM
45	30.00	20 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)	SQM
46	500.00	White washing with lime to give an even shade : Old work (one or more coats)	SQM
47	300.00	White washing with lime to give an even shade : Old work (two or more coats)	SQM
48	1000.00	Applying one coat of cement primer of approved brand and manufacture on wall surface : Cement primer.	SQM
49	300.00	wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: Two or more coats on new work	SQM
50	100.00	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two or more coats on new work	SQM

51	10.00	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. 20 mm dia. nominal bore	M
52	10.00	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. 25 mm dia. nominal bore	M
53	50.00	Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc.	M
54	50.00	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 20 mm dia. nominal bore	M
55	50.00	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 25 mm dia. nominal bore	M
56	10.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. 32 mm nominal outer dia .Pipes.	M
57	10.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. 75 mm nominal inner dia .Pipes.	M

58	30.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. 100mm nominal inner dia .Pipes.	M
59	5.00	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete 75 mm	EACH
60	20.00	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.110 mm	EACH
61	5.00	Providing and fixing brass bib cock of approved quality : 20 mm nominal bore	EACH
62	3.00	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore15mm nominal bore	EACH
63	2.00	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps,32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require :White Vitreous China Flat back wash basin size 550x400mm with single 15 mm C.P. brass pillar tap.	EACH

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64	6.00	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour.600mmlong towel rail with total length of 645mm, width78mm and effective height of 88mm, weighing not less than190gms.	EACH
65	2.00	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests .	EACH
66	6.00	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.10 litre capacity - White.	EACH
67	6.00	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With stainless steel cover plate	EACH

68 20.00

Providing and fixing at all height false ceiling including providing and fixing of frame work made of special sections power pressed from M.S. sheet and galvanised in accordance with zinc coating of grade 350 as per IS : 277 and consisting of angle cleats of size 25mm wide x 1.6mm thick with flanges of 22mm and 37mm at 1200mm centre to centre one flange fixed to the ceiling with dash fastener 12.5mm diax40mm long with 6mm dia bolts to the angle hangers of 25x25x0.55mm of required length, and other end of angle hanger being fixed with nut and bolts to G.I. channels 45x15x0.9mm running at the rate of 1200mm centre to centre to which the ceiling section 0.5mm thick button wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed in a direction perpendicular to G.I. channel with connecting clips made out of 2.64mm diax230mm long G.I. wire at every junction including fixing the gypsum board with ceiling section and perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450mm centre to centre with 25mm long drive-all screws @ 230mm interval including jointing and fixing to a flush finish of tapered and square edges of the board with recommended filler, jointing tapes, finisher and two coats of primer suitable for board as per manufactures specification and also including the cost of making openings for light fittings, grills, diffusers, cut-outs made with frame of perimeter channels suitably fixed all complete as per drawing and specification and direction of the Engineer in Charge but excluding the cost of painting with :12.5 mm thick tapered edge gypsum board conforming to IS: 2095- Part I.

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69	30.00	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction and of approved size and design/ shape laid in required colour and pattern over and including 50mm thick compacted bed of course sand, filling the joints with coarse sand etc. all complete as per the direction of Engineer-in-charge	SQM
70		Providing and fixing in position of the following jaguar fittings & fixtures as per standard specifications. Rate includes cost of material, extra fittings required like wall flange, extension nipple and all consumables, conveyance, Labour charges for removing the old one and fixing the new one, making chases in walls wherever required and to match with existing pipe lines and wall surface. The old fittings to be returned to dept.	
a	15.00	Hand shower [Health facet]with 8mm dia 1.00m long flexible tube and wall hook. Catalog No.ALD-573.,Alid model [CP]	EACH
b	15.00	Waste coupling 32mm full thread., catalog No.ALD-705.,Alid model [CP]	EACH
c	15.00	Angular stopcock with wall flange., catalog No.VGN-27053.,Vignette model [CP]	EACH
d	8.00	Single lever concealed divertor for Bath & shower system., catalog No. VGN-27075., vignette model ,[MCH]	EACH
e	8.00	Single lever Basin mixer without popup waste system with 450mm long braided hoses., catalog No.VGN-27011B.,Vignette model,[CP]	EACH
f	2.00	Single lever sink mixer with 135 extension body swinging spout [table mounted] with 450mm long braided hoses., catalog No.FLR-5173B., Florentine model	EACH
g	8.00	Concealed stop cock extra heavy body, with adjustable wall flang size 20mm., catalogNo.CON-087., continental model	EACH

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h	8.00	Over head shower 100mm dia.round shap single flow [ABS body chrome plated with grey face plate] with rubit cleaning system [CP]... catalogNo. OHS -1989,Alied model	EACH
i	8.00	Shower arm 190mmlong Heavy casted body with wall flang [CP]... catalogNo.483,Continental model	EACH
j	3.00	Bath tub spout with wall flange., catalogNo.SPj 429., continental model	EACH
k	3.00	Towel rack 600mm with Hanger. catalog No.ACN-1181N.,continental model	EACH
l	3.00	Towel rail 24"., catalog No.ACN-1111N., continental model	EACH
m	8.00	Bottle Trap [with internal partition] 32mm size with 300mmlong wall connection pipes & wall flang., catalogNo.ALD-769B.,Alied model	EACH
71		Providing the following Hindware sanitary wares, fittings & fixtures as per standard specifications. Rate includes cost of material, extra fittings required like wall flange , extension nipple and all consumables, conveyance, Labour charges for removing the old one and fixing the new one ,making chases in walls wherever required and to make all arrangements to match with existing pipe lines and wall surface. The old fittings to be returned to dept.	
a	8.00	Hindware wash basin oval under counter model 56 cm X 41 cm ., catalog no.10017-ivory	EACH
b	3.00	Recesed soap tray italia., catalog no.40052.,pastel colour.	EACH
c	1.00	One piece closet coral size 66cm X 42 X 67 cm 'S' trap , ivory colour., catalog no.92008., S-11	EACH
d	8.00	Closet extended wall mounting constellation with cistern catalogno.21038., 82cm X 37cm X 68cm., catalogno.20028.,[EWC,cistern with lid,fitting, seat cover complete set]	EACH

72	3.00	Providing and fixing mirror plain 18" X 12" rectangle water tec make. Rate includes cost of materials,labour,transport,fixing and other incidental charges etc.as per the instruction of Engineer-in-charge.	EACH
73	3.00	Providing and fixing (Soap dish) vanity shelf water tec make.Rate includes cost of materials,labour,transport,fixing and other incidental charges etc.as per the instruction of Engineer-in-charge.	EACH
74	1000.00	Applying approved wall putty for the entire wall and ceiling surfaces after proper surface preparation to get desired levelled surface finish etc., complete.	SQM
75	3.00	Providing and fixing Indus wall hung closet C0265+indus cistern C0755+ Indus cistern lid C2065+ Antimicrobial seat cover C8094+indus dual flush fittings C8181 of parry ware make. Rate includes cost of materials, labour, transport, fixing and other incidental charges etc.as per the instruction of Engineer-in-charge. Catalog No.C0265,C0755,C2065,C8094,C8181	SET
76	200.00	Anti-fungus coating with epoxy coating material over the internal wall surface to arrest the damp patches and mildew resistant. After cleaning the surface the treated area is to be coated with sika multi guard one primer coat followed by a single coat as per the product specification. Rate quoted include cost of materials, labour charges, conveyance, tools and all other incidental charges etc.	SQM
77		For in-accessible : Cleaning the tiled terrace surfaces free of dust, loose particles, algae growth and atmospheric deposits, filling small blow holes if any with CERAFIL 45 / TEC TILE 12 / and providing primer coat and top coat with CERAFLEX/ TECH WAVE 3000/ single Component Highly flexible membrane coating all as per manufacturers' recommendation including curing adequately. Rate quoted includes cost of material, labour charges, conveyance, tools and all other incidental charges etc., complete.	

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a	20.00	a. One primer coat and two top coats	SQM
b	20.00	b. One primer coat and one top coat	SQM
78	20.00	<p>For accessible Areas : Dismantling the existing damaged weathering coarse and tiles to expose the RCC slab and providing two coats of CERALASTIC / TEC WAVE2000 / single Component Highly flexible membrane coating followed by one bond coat of CERA POLYMER LATEX SBR / TEC BOND SBR / over the membrane coating and providing cement plastering 6 mm thick with CM 1:4 admixed with general purpose water proofing compound of respective product all as per manufacturers' recommendation including curing adequately. Rate quoted includes cost of material, labour charges, conveyance, tools and all other incidental charges etc., complete except cement that will be issued free of cost at BHEL stores. Dismantling, replacing the damaged tiles and re-pointing wherever required will be paid under separate item.</p>	SQM
79	20.00	<p>Crack filling for Parapet level cracks: Routing out the cracks with mechanically operated groove cutter and sealing the groove neatly with flexible sealant - CERA – ACRYSEAL / TEC CRACK FILLER / and allowing the sealant to set overnight. The scope includes driving grouting nozzles at an interval of 1 M and grouting with cement slurry admixed with expansive grouting additive CERA EXPAN 250 / TEC SWELL / and providing two top coats of CERAFLEX / TEC WAVE 3000 / single component flexible membrane for a width of 15 cms aligned to the centre of the crack all as per manufacturers' recommendation. Rate quoted includes cost of materials, labour charges, conveyance, tools and all other incidental charges etc. complete except cement that will be issued free of cost at BHEL stores.</p>	M

80	20.00	Crack filling without pressure grouting : Routing out the cracks with mechanically operated groove cutter and sealing the groove neatly with flexible sealant - CERA POLY CRACKFILLER / TEC CRACK FILLER. The scope includes providing two top coats of CERAFLEX / TEC WAVE 3000 / single component flexible membrane for a width of 10 cms aligned to the centre of the crack all as per manufacturers' recommendation. Rate quoted includes cost of materials, labour charges, conveyance, tools and all other incidental charges etc. complete.	SQM
81	20.00	Pressure Grouting : Drilling pockets and fixing PVC Nipples in position along weak concrete junctions and leakage points in walls / floor and pressure grouting CERA EXPAN 250 / TEC SWELL / expansive grouting additive admixed with cement slurry using hand operated grouting pump. The scope also includes plugging the grout hole with CERA PLUG/ TEC STOP / all as per manufacturers' recommendation. Rate quoted includes cost of materials, labour charges, conveyance, tools and all other incidental charges etc. complete except cement that will be issued free of cost at BHEL stores.	Point
82	10.00	RCC Construction Joints : Routing out the horizontal cracks along construction joints to expose the RCC joint and applying CERA SEAL / TEC POLYSEAL G / gun grade polysulphide sealant. The scope also includes application of CERAFLEX / TEC WAVE 3000 / single component flexible membrane with intermediate layer of cloth over the exposed area after allowing the PS to cure for 72 hours all as per manufacturers' recommendation.. Rate quoted includes cost of materials, labour charges, conveyance, tools etc. complete.	SQM

83	10.00	Masonry Construction Joints : Routing out the vertical cracks along construction joints and providing a bond coat of CERA POLYMER LATEX SBR / TEC BOND SBR / followed by filling the cracks with repair mortar admixed with CERA EXPAN 250 / TEC SWELL. The scope also includes placing of grouting nipples on the neatly finished surface at adequate spacing and grouting cement slurry admixed with CERA EXPAN 250 / TEC SWELL using hand operated grouting pump. The treated surface shall then be treated with two coats of CERAFLEX / TEC WAVE 3000 all as per manufacturers' recommendation. Rate quoted includes cost of materials, labour charges, conveyance, tools etc. except cement that will be issued free of cost at BHEL stores.	M
84	24.00	Providing and fixing 15mm X 450mm PVC connection (Parryware ,catalog no.T991299).Rate includes cost of materials, labour, transport, fixing and other incidental charges etc. as per instruction of Engineer-in-charge.	EACH
85	15.00	Providing and fixing Paper holder (plato make catalogno.6036-Essential model) Rate includes cost of materials, labour, transport, fixing and other incidental charges etc. as per instruction of Engineer-in-charge.	EACH
86	15.00	Providing and fixing cloth liner (Heavy Special plato make) Rate includes cost of materials, labour, transport, fixing and other incidental charges etc. as per instruction of Engineer-in-charge.	EACH
87	15.00	Providing & fixing hind ware closet seat cover to suit for closet coral size 66cm X 42 X 67cm 'S' trap , ivory colour.,(to suit the closet of Hindware catalogno.92008)	EACH

88	14.00	Minor repairs to ward robe, luggage rack, replacing handle, screwing the loosened parts, tightening the hinges and replacing if required, polishing the external surfaces and painting inside ,replacing the worn out / damage portions of wood / ply wood and making good to usable condition as per the instructions of in-charge to the site requirements, The measurement will be for one time check up to make set right the ward robe to use.	SET
89	200.00	Providing ,replacing the worn out parts of jaquar fittings for concealed divertor, wash basin mixer, Angle cock, fixing and site and making good to working condition. Rate includes cost spare materials, matching the existing in all respects, Rate includes cost of material, extra fitting required like wall flange, extension nipple and all consumables, conveyance, Labour charges for removing the old one and fixing the new one, making chases in walls wherever required and to make all arrangements to match with existing pipelines and wall surface. The old fittings to be returned to dept. The measurement will be based on number of parts changed and made into working condition of the respective jaquar fitting.	EACH

Total

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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
	NIL	NIL

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
---	----	----NIL----

SCHEDULE 'E'
LEAD STATEMENT

Sl.No.	Name of Material	Name of Source	Lead Particulars both for Factory and Township
NIL	NIL	NIL	NIL

CONTRACTOR

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ACCEPTING OFFICER

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

AUTHORITY TO TENDER

Tender Notice No. Township -01/12

Office of the
ADDL GENERAL MANAGER
CIVIL / TOWNSHIP
BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHY – 14.

Tender Schedule No.T-10/12

Item rate tender for work required in **Repairs & Maintenance work at Transit flat - Ashok Nagar in Chennai**

Messrs / Mr.

.....of.....

are / is hereby authorized to tender for the above work. The Tender is to be delivered at the Office of the ADDL.GENERAL MANAGER / CIVIL / TOWNSHIP Bharat Heavy Electricals Limited Unit, Thiruverumbur, Tiruchirappalli – 620 014, **upto 09.30 hrs. on 11 06 12** addressed to the Manager / Civil / Planning (Township), BHEL. Tiruverumbur, Tiruchirappalli – 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.....

CONTRACTOR

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ACCEPTING OFFICER

TENDER

To

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

I / We hereby offer to carryout the work of **Repairs & Maintenance work at Transit flat - Ashok Nagar in Chennai**

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

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

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

I / We further agree to execute all the work referred to in the said documents upon the terms & conditions contained or referred therein and as detailed in Schedule 'A' and Bill of Quantities annexure thereto and to carry out such deviations as may be ordered, vide conditions 6 of the BHEL Ltd., General Conditions of Contract 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 sole discretion whose decision shall be final and binding.

WITNESS

Signature of the Contractor

Date :

- 1.
- 2.

GENERAL SUMMARY

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

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

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

(in block letters)

Date :

SIGNATURE OF CONTRACTOR

Witness :

Postal Address :

1.....
Address

Telephone No.

2.....
Address

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

.....
.....
.....

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

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

.....
.....

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

SignatureDate.....

Designation