

**Bharat Heavy Electricals Limited,  
Boiler Auxiliaries Plant  
Ranipet 632 406**

**Civil Projects & Services**

**TENDER DOCUMENT**

**Name of work** : Laying of sewer line from zone III  
to collection well near DAV school  
in township.

**Tender Notice No.** : BAP/CF: 13/2011-12 Dt. 13.06.2011

**Period of Contract** : 6 Months

**Issued to** :

## CIVIL PROJECTS & SERVICES

BHE: CP&S :

June 17, 2011

To

The Tenderer

Dear Sirs,

Sub: Laying of sewer line from zone III to collection well near DAV school in township.– **reg.**

Ref: 1. Tender Notice No. BAP:CF:13/2010-11

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Please find enclosed / attached non-transferable tender document containing Preamble, Specifications, General Conditions of Contract, Pro forma and Work & safety procedure, Instruction to Tenderers, Bill of Quantities to offer your most competitive rates for all the items.

- 1) **EMD shall be in the form of DD.** Tenderers who had already remitted one time EMD should furnish the details of cash receipt No. \_\_\_\_\_ dt. \_\_\_\_\_, with a covering letter. Tender without EMD / without reference to one time EMD will be summarily rejected. All Demand Draft shall be drawn in favour of **BHEL, Ranipet** payable at **Ranipet**.
- 2) Document has to be signed by the tenderer in all the pages.
- 3) Price bid has to be duly filled in and signed by the tenderer in all the pages. **The tenderer has to quote most competitive rates for all the items in the Bill of Quantities.**

The completed bid along with requisite EMD of **Rs.60,000/-** for the work in the form of Demand Draft in favour of BHEL, Ranipet shall reach the office of the undersigned on or before **15.07.2011 at 15:00 hrs.** EMD in any other form will not be accepted. The tender will be opened on the **same day at 15:00 hrs.** In case of opening day falls on holiday or happened to be declared as a holiday, the receipt and opening of the tender shall automatically fall on the same timing of the next working day. You / your authorized representative may participate in the tender opening.

Clarification if any, can be obtained contacting following phone No. 04172 – 284995 / 284087 Tele-Fax No. : 04172 – 242026, e-mail: [vdinakar@bhelrpt.co.in](mailto:vdinakar@bhelrpt.co.in), [vraj@bhelrpt.co.in](mailto:vraj@bhelrpt.co.in), .

Thanking you,

Yours faithfully  
For and on behalf of  
BHARAT HEAVY ELECTRICALS LIMITED,

DY.MANAGER / CIVIL PROJECTS & SERVICES

## NOTICE INVITING TENDERS

1. Tender Notice Number : BAP:CF:13/2011-12 Dt. 13.06.2011
2. Name of work : Laying of sewer line from zone III to collection well near DAV school in township.
3. Completion Time : 6 months.
4. Estimated Cost : Rs. 26.25 Lakhs.
5. Document cost : Rs. 750/- (Non-refundable) + 100/- postage charges.
6. Earnest Money Deposit : Rs. 60,000/- (shall be in the form of DD or Pay Order only)
7. Last Date & Time for receipt of Completed Tender. : Before 3:00 P.M. on 15.07.2011.
8. Date & Time of tender Opening:
  - Technical bid : At 3:00 P.M. on 15.07.2011.
9. Place of submission of Tender : Office of Addl. General Manager / Civil Factory & Township, BHEL, Ranipet, Vellore Dist. Tamil Nadu. Pin 632 406.

This tender document contains 217 pages including the following.

**Part I :-** Technical Bid from Page No.1 to 183 including General conditions of Contract, Special conditions of contract, Civil Engineering specifications.

**Part II :-** Commercial Bid from Page No.1 to 34 of Bill of Quantities. drawings, Annexure A to G, Schedule A to D, etc..

**Tender should be submitted in a sealed cover super scribing the name of work, Tender Notice number , Due date of Opening.**

Tenders without **EMD shall be summarily rejected.**

**Note: The tenderer shall return the duly filled in tender document after affixing signature on all the pages of the Tender Documents.**

Issued to :

**BHARAT HEAVY ELECTRICALS LIMITED  
RANIPET – 632 406**

**CIVIL PROJECTS & SERVICES**

**PREAMBLE**

01. The scope of work includes Laying of sewer line from zone III to collection well near DAV school in township.
02. Time is the essence of the contract. Being a time bound project with capital expenditure, the contractor should make all efforts to complete the work in time
03. The scope does not includes cost of cement, Reinforcement steel and Structural steel.
04. Cement, reinforcement steel and structural steel will be issued free of cost at BHEL stores for theoretical consumption. However, single recovery will be made up to 5% over and above theoretical consumption and beyond which penal recovery will be made which will be twice the rate (single recovery rate) mentioned below:

Cement	-	Rs 6,325 / MT
Reinforcement Steel	-	Rs 41,975 / MT
Structural Steel	-	Rs 46,500 / MT
05. The tenderers are advised to visit the plant area near Ranipet in Vellore (Dt.) and get themselves acquainted with the site conditions before submitting the offer
06. BHEL reserves its right to reject the tender on account of unsatisfactory past performance by the present tenderer in another project / sister unit awarded under different enquiry.
07. Quoted rate shall be firm throughout the contract period and no cost escalation is allowed on any account.
08. The %age 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 extra and will be reimbursed on production of valid document proof for having paid service tax by the contractor.
09. Some changes are likely in the layout, design and specifications of the work. The rates quoted shall be deemed to be inclusive of all such contingencies.
10. 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.
11. The contractor should use only weigh batch for all reinforced cement concrete works (controlled concrete).
12. 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.
13. The work shall be carried out as per the approved drawings, 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 in the Bill of Quantities provided in the Price Bid.
14. 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.

15. The contractor has to furnish the security deposit, as per Clause 13 of Tender Notice, attached in the Price Bid if the work is awarded. Also it is to be noted that after award of work the contractor has to furnish 50 % of security deposit before the commencement of work.
16. The contractor should bring the construction earth moving machineries like Poclain, 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. Full load mixture machine
  - b. Petrol / Kerosene driven vibrator/ mechanical vibrator
  - c. Cube moulds
  - d. Inter carting vehicle (tractor, hand trolley etc)
  - e. Mobile / Hydraulic crane
  - f. Welding machine etc.
  - g. Steel shuttering
  - h. Pipe scaffolding
17. 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.
18. 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 contractor should arrange for surveying construction site at his own cost.
19. 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.
20. The decision of Engineer-in-charge shall be final and binding on the contractor regarding clarification of items in this tender schedule.
21. The works contract to be entered into with the successful tenderer will be governed by the BHEL Revised General Conditions of Contract in force.
22. The contractor shall strictly adhere to various labour laws in force.
23. The contractor has to submit the list of machineries to be deployed exclusively for this work, organization chart of their set up for the works and any change thereafter in the organization set up shall have the prior approval of BHEL with bar chart of activities.
24. 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.
25. The contractor should establish his own site office, for which vacant land will be allotted on specific request for which the rent will not be collected. No land will be provided towards labour colony.
26. The contractor should establish his own site office, fabrication yard, handling facility, storage facility to stock about 100 MT of cement etc., for which vacant land will be allotted on specific request for which the rent will not be collected.
27. The contractor is required to carry out 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.
Civil Engineer (Graduate in Civil Engineering)	-	1 No.
28. In addition to the above, Quantity surveyors have to be engaged to prepare measurements and submit the bills.

29. Adequate number of Quality Engineer and qualified Safety Engineer should be deployed at site.
30. To safeguard the persons working at underground etc., sufficient number of Industrial Safety PPE 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. The contractor shall follow norms of BHEL security system for movement of men & materials within the complex.
33. Exclusive Stores personnel should be engaged who would co ordinate with department official for clearance and collection of BHEL supplied materials required for works.
34. Separate non-technical persons should be engaged for arranging daily gate passes for labours and vehicles entry in East gate of Factory Complex.
35. 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.
36. 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.
37. All the works shall be executed as per the standard specifications as provided in TNBP / BIS.
38. 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.
39. The contractor should maintain proper accounts for cement, reinforcement steel and structural steel sections and other materials if any supplied by this department and should be available at the site of work for verification and check by the Officials of this Organisation at any time.
40. 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 subjected to inspection and clearance by Third Party Agency fixed by BHEL.
41. The contractor should use only the materials of brand and quality as approved by BHEL.
42. All materials and consumables brought by the contractor should have manufacturer's certificate.
43. 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.
44. 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.

45. Contractor's materials and tools & plants shall have to be brought inside the plant area with proper invoice / voucher and make necessary entry in the security gate. They should maintain proper record for tools and plants, materials, etc., brought inside the factory complex.
46. The contractor should extend full co-operation with the third party agencies engaged, if any by BHEL to adhere the Quality Control Procedures ensuring quality.
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. Water will be supplied at one point on chargeable basis @ 1% of the contract value, Power will be provided at one terminal point on commercial tariff plus applicable taxes, the contractor has to make their own arrangement for tapping the same with necessary tools & tackles and compressed air will be provided free of charges from the nearest tapping point subject to availability. The contractor should make necessary arrangement for tapping the same. In case BHEL is not able to provide the above facilities, contractor has to make his own arrangement for completion of the work at their own cost.
50. 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
51. 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.
52. 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, Ranipet.
53. Bank Guarantee format can be obtained after award of work in case of successful tenderer.
54. No advance / mobilization advance will be given.
55. LD / Penalty clause is applicable as per General Conditions of Contract in force.
56. BHEL reserves its right to accept / reject any or all the tenders without assigning any reasons.
57. The quoted amount as provided in this tender will be in full and final for functions to be performed by the contractor and no claim whatsoever shall be made against BHEL in respect of any part relating to the plans, drawings and other documents submitted by the contractor. The drawings, design, plan, related details prepared and acquired by the Contractor for the work entrusted to him under this agreement will become the property of BHEL. The drawings, design, plan, related details cannot be issued to any other person, firm or authority or used by the Contractor for any other project without prior permission of BHEL.
58. BHEL may review the work carried out by the contractor at planning, detailed engineering or at any pre-constructional stage to get satisfied with the standards and procedures adopted by the contractor to make available the concerned documents to BHEL on demand.

**Force Majeure clause:** If at any time during the continuance of this contract the performance in whole or in part by either party of any obligations under this contract shall be prevented or delayed by reason, of any war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, explosions, epidemics, quarantine, restrictions or acts of GOD (hereinafter referred to as events) then provided notice of happening of any such events is

given by either party to other within twenty one days from the date of occurrence thereof neither party shall reason of such events be entitled to terminate this contract nor shall either party have any such non performance and delay is resumed as soon as practicable after such events has come to an end or ceased to exist. If the performance in whole or part of any obligation under this contract is prevented or delayed by reason or any such event claims for extension of time shall be granted for period considered reasonable by BHEL subject to prompt notification by the tenderer to BHEL of the particulars of the events and supply to the BHEL if required of any supporting evidence. Any waiver of time in respect of partial installment shall not be deemed to be a waiver of time in respect of remaining deliveries.

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

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

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

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

## 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 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 free issue materials, the same will be extra and will be reimbursed on submission of the documentary evidence for having paid service tax by the tenderer.**
6. Should a tenderer find discrepancies or omissions in the drawings or any of the tender documents or should be in doubt as to their meaning, he should at once address the authority inviting the tender for clarification. Every endeavor is made to avoid any error which can materially affect the basis of the tender but the successful tenderer shall take upon himself to provide for the risk of any error which may be subsequently by discovered and shall make no subsequent claim on account thereof.
7. Tenders submitted by post should be sent “Registered Post with Acknowledgement due”. These should be posted with due allowance for any delay in postal delivery. Tenders received after the due date and time of opening, tenders are liable to be rejected.

8. Where the tender called for covers only the building work and excludes internal services such as sanitary and water supply installations, electrification etc., the building contractor will have to leave pockets, holes, etc., as required for other works and will have to phase his work to ensure smooth progress of the work of the other agencies also as directed by the Engineer – in – charge.
9. Where the tender schedule contains special items of work such special floor finishes, foam concrete for insulation, special water proofing treatment to roofs etc., it will be entirely at the discretion of the Project Authorities to allot these items of work to other contractors specialized in these works. In such cases, the main building Contractor will have to tender all necessary co-operation to the agencies involved so as to ensure the smooth progress of all work.
10. The contractor's responsibility under this contract shall commence from the date of receipt of the LOI by the tenderer. The scheduled period of completion for this work will be as mentioned in page No. 02, and the Contractor will have to plan his work accordingly.
11. Generally, the maintenance period for any work under BHEL Organization 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, Ranipet-6. EMD in any other form will not be accepted. The rate of earnest money deposit shall be as under:

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

One time EMD will also be Rs.2 Lakh.

EMD by the Tenderer will be forfeited if,

- a) After opening the tender, the tenderer revokes his tender within the validity period or increases his earlier quoted rates.
  - c) The tenderer does not commence the work within the period as per LOI / Contract. In case the LOI / contract is silent in this regard then within 15 days after award of contract.
  - c) EMD given by all unsuccessful tenderers shall be refunded normally within fifteen days of acceptance of award of work by the successful tenderer.
  - d) EMD shall not carry any interest.
13. Should a tenderer or a contractor on the list of approved Contractors have a relative, or in the case or 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 dispatch such power of attorney and changes after obtaining proper legal advice the cost of which will be chargeable to the contract concerned.
16. If the tenderer deliberately gives wrong information in his tender or creates conditions favourable for the acceptance of his tender, the Bharat heavy Electricals Limited, reserves the right to reject such tender at any stage. Also BHEL reserves its right to finalize the contract through reverse auction for which only qualified tenderers will be provided with necessary documents containing reverse auction rules, terms and conditions for this purpose.
17. Words importing the singular number shall also be deemed to include the plural number and vice versa where the context so requires.
18. The expenses for completing and stamping the agreement shall be paid by the contractor.
19. The General and special conditions are complementary to each other and where they are conflict the Special Conditions shall prevail. In regard to matters not covered by the General and Special Conditions of Contract, those contained in the Tamil Nadu Building Practice Standard Specifications or other specifications approved by the Bharat Heavy Limited, Shall apply.
20. Tenderers shall not increase their quoted rate in case the Bharat Heavy Electricals Limited, negotiates for negotiation for reduction of rate. Such negotiation shall not amount to cancellation or withdrawal of the original offer and the rate originally quoted shall be binding on the tender for a **period of three months** from the date of opening of tenders.
21. Canvassing in any form in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection
22. All contractors will have to produce copy of Income tax Return for the last three years along with their tenders. Those Contractors whose income is not taxable will be required to give an affidavit of their income on the prescribed form.

## TENDER NOTICE

**NAME OF WORK :** Laying of sewer line from zone III to collection well near DAV school in township.

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 at the Office of the ADDL.GENERAL MANAGER / CIVIL / PROJECTS & SERVICES Bharat Heavy Electricals Limited, Ranipet – 632 406 up to **the time and date specified in the NIT** and will be opened on the same day at **15:00** hrs. at the Office of the ADDL. GENERAL MANAGER / CIVIL / PROJECTS & SERVICES in the presence of such of those tenderers. Or their agents who may choose to attend.
2. TENDER FORMS and other particulars regarding the proposed work can be obtained on any working day from 8.00 A.M. to 4.30 P.M. up to **10.00 AM one day in advance of the opening date (prior working day)** on payment of the prescribed sum of **Rs.750/** - per set ( including Sales Tax ) + postage charges of Rs. 100/-. Amount non refundable.
3. TENDERS must be submitted in sealed covers and should be addressed to **DEPUTY MANAGER/CIVIL/PROJECTS & SERVICES** with full name and address of the tenderer and the name of work being noted on the cover
4. All entries in the tender documents should be in one ink. Erasers and over writings are not permitted. All cancellations and insertions should be duly signed by the tenderer concerned.
5. TENDERERS should fill in all the required particulars in the blank spaces provided for this purpose in the tender documents and also sign each and every page of Tender Documents including the drawings attached there to before submitting their tender.
6. UNIT rate should be quoted in figures as well as in words with reference to each item and for all the items shown in the attached schedule. These rates shall be for the finished work in site. Amount of each item and the total page by page and also the grand total amount of the whole contract should be filled in by the tenderers. Unit rate quoted shall be the basis for arriving the total value of the tender. The total amount for every item shall be arrived by multiplying the unit rate with the quantity indicated for that item. In case of any deviation is noticed in the total amount, the same will be corrected and evaluated by taking unit rate as basis and multiplying with the quantity indicated.
7. 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.
8. 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.
9. In case of any discrepancy between general conditions of contract & preamble , only preamble prevails over the other . Likewise the specification in the BOQ over the rest of the document.
10. Quoted rate shall be firm throughout the contract period and no cost escalation is allowed on any account.
11. In the event of tender being submitted by firm the tender must be signed separately and legibly by each partner or member of the firm or in their absence, by the person holding the power of attorney on behalf of the firm concerned in the latter case a copy of the power of attorney duly attested by a Gazetted Officer must accompany the tender.

12. Every tender must be accompanied with EMD for the amount as specified in Page No. 02 in any of the form mentioned in Para 12 of the "Instruction to Tenderers". This Earnest Money will be refunded to the unsuccessful tenderers within fifteen days of 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	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.

13. 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.

14. 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.
15. The Bharat Heavy Electricals Limited reserved the right to reject any or all the received or accept any tender or part thereof without assigning any reason thereof. In the case acceptance of part of tender, time for completion may also be reduced to the extent considered appropriate by the Accepting Authority. Also BHEL reserves its right to finalize the contract through reverse auction for which only qualified tenderers will be provided with necessary documents containing reverse auction rules, terms and conditions for this purpose.
16. 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.
17. Tenders not submitted on the prescribed form are liable to be rejected
18. The work must be completed within a period as mentioned in page No.02.
19. 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.
20. This tender notice shall be deemed to form an integral part of the contract to be entered into for this work.
21. 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**

## SHEDULE 'A'

### LIST OF WORKS AND PRICES

**NAME OF WORK:** Laying of sewer line from zone III to collection well near DAV school in township.

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.	<b>As per enclosed BOQ</b>	-----	<b>6 Months</b>
----	----------------------------	-------	-----------------

### BILL OF QUANTITIES

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

AS PER SEPARATE SHEETS ATTACHED CONTAINING 1 PAGE

FROM SERIAL No. **1 to 2**



**SCHEDULE 'B'**

**LIST OF FREE ISSUE MATERIAL FROM BHEL STORE**

SI.No	Name of Material
1	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
--------	------	-------------	-------------------------------------	--	----------------------	---------

.....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-----

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

### AUTHORITY TO TENDER

Tender Notice No. BAP-CF-13/2011-12

Office of the  
ADDL.GEN. MANAGER / CIVIL /PROJECTS &  
SERVICES,BHARAT HEAVY ELECTRICALS LIMITED  
RANIPET – 632 406.

Tender Schedule No.

**Laying of sewer line from zone III to collection well near DAV school in township.**

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. GEN. MANAGER / CIVIL /PROJECTS & SERVICES Bharat Heavy Electricals Limited Unit, Boiler Auxiliaries Plant , Ranipet – 632 406, **up to 15:00 hrs. on 15.07.2011** addressed to the Manager / Civil / Projects & Services , BHEL. Boiler Auxiliaries Plant , Ranipet – 632 406, superscribing the name of work as mentioned above.

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

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

Issuing Officer with  
Designation

Contract Agreement No.....

**TENDER**

To

The Additional General Manager/Civil/ Projects & Services  
Bharat Heavy Electricals Limited  
Unit : Boiler Auxiliaries Plant  
Ranipet – 632 406.

I / We hereby offer to carry out the **Laying of sewer line from zone III to collection well near DAV school in township.**

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

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

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

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

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

**WITNESS**

Signature of the Contractor

Date :

1. ....

2. ....

**GENERAL SUMMARY**

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

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

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

( in block letters )

Date :

SIGNATURE OF CONTRACTOR

Witness :

Postal Address :

1.....  
Address

Telephone No.

2.....  
Address

..... 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 : Boiler Auxiliaries Plant , Ranipet – 632 406.

for a sum of Rs.....  
.....  
.....

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

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

Designation .....



# BHARAT HEAVY ELECTRICALS LIMITED

BOILER AUXILIARIES PLANT

RANIPET - 632406

## ESTIMATE

ESTIMATE REF NO : CF/C/10/66

NAME OF WORK : LAYING OF SEWER LINE FROM ZONE III TO COLLECTION WELL NEAR DAV SCHOOL IN TOWNSHIP.

[AMOUNT IN Rs.]

CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE RS P	AMOUNT RS P
2.10	01	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :				
2.10.1	01A	All kinds of soil				
2.10.1.2	01A1	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	2200.000	metre	115.05	253110.00
19.1	02	Providing, laying and jointing glazed stoneware pipes grade `A₂ with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete				.00
19.1.1	02A	100 mm diameter	1200.000	metre	94.67	113604.30
19.1.2	02B	150 mm diameter	200.000	metre	134.93	26986.95
19.1.3	02C	200 mm diameter	800.000	metre	224.74	179793.80
19.1.5	02D	250 mm diameter	50.000	metre	314.91	15745.25
19.6	03	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
19.6.3	03A	250 mm dia. R.C.C. pipe	120.000	metre	253.54	30425.10
19.9	04	Constructing brick masonry circular type manhole 0.91m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4				

CONTRACTOR/ TENDERER

ACCEPTING OFFICER



# BHARAT HEAVY ELECTRICALS LIMITED

BOILER AUXILIARIES PLANT

RANIPET - 632406

## ESTIMATE

ESTIMATE REF NO : CF/C/10/66

NAME OF WORK : LAYING OF SEWER LINE FROM ZONE III TO COLLECTION WELL NEAR DAV SCHOOL IN TOWNSHIP.

[AMOUNT IN Rs.]

CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
		coarse sand), in side cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement all complete as per standard design :						
19.9.1	04A	0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to I.S.12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12mm thick plaster at the external surface shall be paid separately).						
19.9.1.1	04A1	With F.P.S. bricks class designation 75	40.000	each	3510.38		140415.00	
19.10	05	Extra depth for circular type manhole 0.91m internal dia (at bottom) with beyond 0.91m to 1.67m metre						
19.10.1	05A	With F.P.S. bricks class designation 75	20.000	metre	421.63		8432.50	
19.11	06	Constructing brick masonry circular manhole 1.22m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement :4 coarse sand) inside cement plaster 12mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished with a floating coat of neat cement foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size) and making necessary						

CONTRACTOR/ TENDERER

ACCEPTING OFFICER



# BHARAT HEAVY ELECTRICALS LIMITED

BOILER AUXILIARIES PLANT

RANIPET - 632406

## ESTIMATE

ESTIMATE REF NO : CF/C/10/66

NAME OF WORK : LAYING OF SEWER LINE FROM ZONE III TO COLLECTION WELL NEAR DAV SCHOOL IN TOWNSHIP.

[AMOUNT IN Rs.]

CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
		channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement all complete as per standard design :						
19.11.1	06A	1.68 m deep with SFRC Cover and frame (heavy duty HD-20 grade designation) 560mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182kg. fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately) :						
19.11.1.1	06A1	With F.P.S. bricks class designation 75	5.000	each	6156.93		30784.63	
19.12	07	Extra depth for circular type manhole 1.22m internal dia (at bottom) beyond 1.68 m to 2.29 m						
19.12.1	07A	With F.P.S. bricks class designation 75	5.000	metre	2214.73		11073.63	
19.13	08	Constructing brick masonry circular manhole 1.52 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating						

CONTRACTOR/ TENDERER

ACCEPTING OFFICER



# BHARAT HEAVY ELECTRICALS LIMITED

BOILER AUXILIARIES PLANT

RANIPET - 632406

## ESTIMATE

ESTIMATE REF NO : CF/C/10/66

NAME OF WORK : LAYING OF SEWER LINE FROM ZONE III TO COLLECTION WELL NEAR DAV SCHOOL IN TOWNSHIP.

[AMOUNT IN Rs.]

CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
		coat of neat cement all complete as per standard design :						
19.13.1	08A	2.30m deep with SFRC Cover and frame (heavy duty HD-20 grade designation) 560mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg. fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately) :						
19.13.1.1	08A1	With F.P.S. bricks class designation 75	5.000	each	12661.55			63307.75
19.14	09	Extra depth for circular type manhole 1.52 m internal dia (at bottom) beyond 2.30 m						
19.14.1	09A	With F.P.S. bricks class designation 75	5.000	metre	5346.63			26733.13
19.16	10	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910 on 12mm dia steel bar conforming to IS : 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after	620.000	each	172.15			106735.17

CONTRACTOR/ TENDERER

ACCEPTING OFFICER



# BHARAT HEAVY ELECTRICALS LIMITED

BOILER AUXILIARIES PLANT

RANIPET - 632406

## ESTIMATE

ESTIMATE REF NO : CF/C/10/66

NAME OF WORK : LAYING OF SEWER LINE FROM ZONE III TO COLLECTION WELL NEAR DAV SCHOOL IN TOWNSHIP.

[AMOUNT IN Rs.]

CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
		fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete						
13.2	11	15 mm cement plaster on the rough side of single or half brick wall of mix :						
13.2.1	11A	1:4 (1 cement: 4 fine sand)	1272.000	sqm	56.51		71875.00	
2.8	12	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.						
2.8.1	12A	All kinds of soil.	5300.000	cum	103.40		548020.00	
2.9	13	Excavation work by mechanical means (Hydraulic excavator)/manual means in foundation trenches or drains not exceeding 1.5 m in width or 10 sqm on plan including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m.						
2.9.1	13A	Ordinary rock	50.000	cum	162.65		8132.50	
2.9.2	13B	Hard rock (requiring blasting)	50.000	cum	272.95		13647.50	
2.9.3	13C	Hard rock (blasting prohibited)	50.000	cum	332.45		16622.50	
DATA 2.11	14	Extra for excavating trenches for pipes, cables etc. in all kinds of soil for depth exceeding 1.5m, but not exceeding 3m.	100.000	RM	153.00		15300.00	
2.26	15	Extra for every additional lift of 1.5 m or part thereof in.						

CONTRACTOR/ TENDERER

ACCEPTING OFFICER



# BHARAT HEAVY ELECTRICALS LIMITED

BOILER AUXILIARIES PLANT

RANIPET - 632406

## ESTIMATE

ESTIMATE REF NO : CF/C/10/66

NAME OF WORK : LAYING OF SEWER LINE FROM ZONE III TO COLLECTION WELL NEAR DAV SCHOOL IN TOWNSHIP.

[AMOUNT IN Rs.]

CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
					RS	P	RS
2.26.1	15A	All kinds of soil.	50.000	cum	18.90		945.00
2.26.2	15B	Ordinary or hard rock.	50.000	cum	33.85		1692.50
2.25	16	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	300.000	cum	45.70		13710.00
2.33	17	Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material and disposal of unserviceable material.					
2.33.1	17A	Beyond 30 cm girth upto and including 60 cm girth	5.000	each	81.70		408.50
2.33.2	17B	Beyond 60 cm girth upto and including 120 cm girth	5.000	each	359.80		1799.00
2.33.3	17C	Beyond 120 cm girth upto and including 240 cm girth	2.000	each	1658.85		3317.70
15.7	18	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.					
15.7.4	18A	In cement mortar	5.000	cum	310.75		1553.75
15.9	19	Demolishing stone rubble masonry 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:					
15.9.2	19A	In cement mortar	5.000	cum	370.75		1853.75
15.2	20	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.					

CONTRACTOR/ TENDERER

ACCEPTING OFFICER



# BHARAT HEAVY ELECTRICALS LIMITED

BOILER AUXILIARIES PLANT

RANIPET - 632406

## ESTIMATE

ESTIMATE REF NO : CF/C/10/66

NAME OF WORK : LAYING OF SEWER LINE FROM ZONE III TO COLLECTION WELL NEAR DAV SCHOOL IN TOWNSHIP.

[AMOUNT IN Rs.]

CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
					RS	P	RS
15.2.2	20A	1:4:8 or leaner mix	5.000	cum	226.90		1134.50
15.3	21	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.	2.000	cum	537.55		1075.10
97160650704	22	Providing and fixing on wall face unplasticised rigid PVC rain water pipes, air vent conforming to IS 14735 Type A including jointing with seal ring conforming to IS 5382 leaving 10 mm gap for thermal expansion.					.00
IT 02	22A	160mm dia single socketed pipes	80.000	RM	329.17		26333.60
IT 02C	22B	160mm dia bend	30.000	EACH	176.18		5285.40
97160650704	23	Fabrication and erection of structural steel clamps for fixing of 160mm dia rain water down take pipes / air vent pipes as directed by the Engineer - in - charge. Rate to include cost of all materials such as bolts, nuts, incidental charges etc. complete. Structural steel materials required for the work alone will be supplied by BHEL stores at free of cost.	10.000	EACH	6.25		62.50
97160650704	24	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. Two or more coats on new work.	0.100	MT	634.87		63.49
DATA 2.12	25	Extra for excavating trenches for pipes, cables etc in all kinds of soil for depth exceeding 3m in depth, but not exceeding 4.5m.	200.000	RM	391.15		78230.00
2.13	26	Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth including consolidating each deposited layers by ramming, watering etc. stacking serviceable					

CONTRACTOR/ TENDERER

ACCEPTING OFFICER



# BHARAT HEAVY ELECTRICALS LIMITED

BOILER AUXILIARIES PLANT

RANIPET - 632406

## ESTIMATE

ESTIMATE REF NO : CF/C/10/66

NAME OF WORK : LAYING OF SEWER LINE FROM ZONE III TO COLLECTION WELL NEAR DAV SCHOOL IN TOWNSHIP.

[AMOUNT IN Rs.]

CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
		material for measurements and disposal of unserviceable material as directed, within a lead of 50m :						
2.13.1	26A	Ordinary rock :						
2.13.1.2	26A1	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia.	200.000	metre	248.10			49620.00
2.13.2	26B	Hard rock (requiring blasting)						
2.13.2.2	26B1	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	200.000	metre	378.20			75640.00
DATA 2.14	27	Extra for excavating trenches for pipes, cables etc in ordinary rock/hard rock for depth exceeding 1.5m in depth, but not exceeding 3.04.5m.	200.000	METRE	258.00			51600.00
DATA 2.15	28	Extra for excavating trenches for pipes, cables etc in ordinary rock/hard rock for depth exceeding 3m in depth, but not exceeding 4.5m.	100.000	METRE	739.45			73945.00
19.15	29	Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design						
19.15.1	29A	With 20x20 mm square bar	100.000	each	145.30			14529.60

CONTRACTOR/ TENDERER

ACCEPTING OFFICER



# ESTIMATE

ESTIMATE REF NO : CF/C/10/66

NAME OF WORK : LAYING OF SEWER LINE FROM ZONE III TO COLLECTION WELL NEAR DAV SCHOOL IN TOWNSHIP.

[AMOUNT IN Rs.]

TOTAL ESTIMATED VALUE BEFORE ESCALATION 2083544.10

ESCALATION @ 26.00 % 541721.47

TOTAL ESTIMATED VALUE (A) 2625265.57

CONTRACTOR TENDER PERCENTAGE @ ABOVE  1  
BELOW  2  
AT PAR  3

(Percentage in words

\_\_\_\_\_ % (B)  4

SUB TOTAL if above (A) + (B) (C)  5

if below (A) - (B) (C)  6

if at par (A) (C)  7

\*SERVICE TAX @ \_\_\_\_\_ % (D)  8

SERVICE HEAD :

TOTAL VALUE OF WORK [ (C) + (D) ] (E)  9

(Rupees in words

- NOTE :**
- 1) Instead of subtraction (for tender % quoted below), Total value of work is calculated by addition erroneously, L1 will be decided based on amount arrived by subtraction only. In the same way, instead of addition (for tender % quoted above), Total value of work is calculated by subtraction erroneously, L1 will be decided based on amount arrived by addition only. Any calculation error will be corrected at actuals.
  - 2) Tick whichever is applicable. In case of omission in Ticking, figures indicated in the amount column will be considered.
  - 3) Boxes 1,2,3 any one box is to be ticked as per quote. Boxes 5,6,7 any one box is to be filled in with appropriate figures. Box 9 value is equal to Box 5 or 6 or 7 plus box 8.
  - \*4) Service Tax at applicable percentage shall be quoted by tenderers. In case Service Tax at composite rate quoted, it will be applicable on BHEL free issue of materials also. In case Service Tax % or Service tax amount is not mentioned, it is presumed that service tax at normal rate is included in the quoted rate.
  - 5) If any discrepancy between figures & words, L1 will decided based on words.

6. The value of BHEL free issue material is Rs. 2,34,642.16.

CONTRACTOR/ TENDERER

ACCEPTING OFFICER



**BHARAT HEAVY ELECTRICALS LIMITED**

BOILER AUXILIARIES PLANT

RANIPET - 632406

**ESTIMATE**

ESTIMATE REF NO : CF/C/10/66

NAME OF WORK : LAYING OF SEWER LINE FROM ZONE III TO COLLECTION WELL NEAR DAV  
SCHOOL IN TOWNSHIP.

[AMOUNT IN Rs.]

**SPECIAL CONDITION**

CONTRACTOR/ TENDERER

ACCEPTING OFFICER

## SPECIAL CONDITION

<p>1. Items of work other than those mentioned in Bill of Quantities will have to be carried out at the rates to be fixed by this organization .The same offered &amp; accepted percentage will be applicable with reference to CPWD DSR 2007.</p>
<p>2. Safety precautions should be taken while doing the work. You will have to follow all safety requirements to carry out the work inside the factory premises.</p>
<p>3. <b>CONTRACT CONDITIONS ON TAXES &amp; DUTIES.</b></p>
<p>3a The Tenderer shall have been Registered under Excise, Sales Tax, VAT, Service Tax regulations if applicable and provide a copy of such registration to BHEL as part of the tender document. In case of fresh registration/amendment thereon, the same shall be carried out before start of the work. PAN no shall be submitted as part the tender document. (copy to be enclosed)</p>
<p>3b. If payment of statutory dues are not made in accordance with the applicable provisions of the relevant Act within the time specified and Penalty, Interest etc paid/payable by the Contractor, the same shall not be reimbursed by BHEL and the entire implication is only to be borne by the Contractor. The Tenderer shall clearly indicate the rate of applicable taxes and duties for the work to be executed.</p>
<p>3c. The Tenderer shall indicate all exemptions on account of threshold limits or special notification under any stature. Any modification thereon shall also be intimated immediately on changes.</p>
<p>3d. The quote submitted shall include all taxes and duties of whatsoever in nature but exclusive of Service Tax which shall be quoted separately if applicable. The existing rate shall be quoted clearly. If reduced rates are applicable on account of material, labour if any the same shall be indicated clearly. After tender opening addition of any taxes &amp; duties are not admissible.</p>
<p>3e. If any composition scheme is to be availed by the Tenderer, the all relevant terms and conditions shall be indicated clearly in the offer. The required compliance under relevant statue shall be carried out.</p>
<p>3f. Any statutory variation will be to the account of BHEL. But if the variation is effective during the delayed/extended period of execution for reasons attributable to the vendor, the same shall be borne by the vendor only.</p>
<p>4. All materials shall confirm to the latest IS/IRC specifications</p>
<p>5. All works shall be carried out as per standard specifications and instructions of Engineer-in-charge.</p>
<p>6. All materials, colour, shade, brand, etc. shall be got approved from the Engineer-in-charge before the start of the work and shall confirm to the latest IS/IRC specifications.</p>
<p>7. The minimum wages applicable as per the Tamil Nadu minimum wages Act from time to time is to be paid.</p>
<p>8. The contractor have to follow all statutory requirements like PF, ESI etc., throughout the contract period.</p>
<p>9. The General conditions of contract in force shall apply to this contract.</p>
<p>10.The contractor is required to engage a qualified Engineer with sufficient knowledge of the work throughout the contract period.</p>

**11. Time is essence of the contract. Any delay beyond the delivery date will be subjected to LD.**

**12. BHEL will provide water at free of cost by identifying the water source (Open well) within the BHEL premises subject to availability and the contractor has to make their own arrangement for pumping the water from well and using the same after ensuring the suitability for the purpose. In case BHEL is not able to provide water as stated above, the contractor has to make their own arrangement for bringing the required quality of water at their own cost from outside BHEL premises for construction & testing purpose.**

**13. The contractor has to make their own arrangement for the required power supply for the execution of work. However BHEL will issue No-Objection Certificate for getting the temporary power service connection if required.**

**14. Cement, Reinforcement steel, structural steel & AC sheets will be issued free of cost for theoretical consumption. Recover will be made up to 5% over and above the theoretical consumption at a recovery rate of Rs. 6,325.00 / MT, Rs. 41,975.00 / MT, Rs. 46,500.00 / MT and Rs. 140.00 / Sq.m respectively beyond which penal recovery will be effected at double the rates specified above.**