

Bharat Heavy Electricals Limited

**High Pressure Boiler Plant
Tiruchirappalli – 620 014. India
Civil Engineering Department (Factory)**

TENDER DOCUMENT (PRICE BID)

Name of work : Providing foundation, periphery wall, production shop flooring, cable trenches, machine foundations, Construction of Structural Steel sheds, Compact Sub-station, & toilet blocks in the production shop floors for the Power Equipment Fabrication Plant near Sakoli, Bhandara district in Maharastra State.

Value of work : Rs. 2465 Lakh plus applicable service tax

Tender Notice No. : 05 / 13-14

Tender Schedule No. : 10 / 13-14

Period of Contract : 12 Months

Issued to :

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

CIVIL ENGINEERING DEPARTMENT (FACTORY)

BHE: DGM: CF: P&D: Bhandara: 02/67:

Sep. 14, 2013

To

The Tenderer

Dear Sirs,

Sub: Providing foundation, periphery wall, production shop flooring, cable trenches, machine foundations, Construction of Structural Steel sheds, Compact Sub-station, & toilet blocks in the production shop floors for the Power Equipment Fabrication Plant near Sakoli, Bhandara district in Maharashtra State. – reg.

Ref: 1. Tender Notice No. 05 / 13-14
2. Tender Schedule No.10 / 13-14

Please find enclosed / attached non-transferable tender document containing i) Qualification bid consisting of Preamble, Specifications, General Conditions of Contract, Norms for Qualification and Qualification Proforma ii) Price bid consisting of Bill of Quantities to offer your most competitive rates for all the items of Bill of Quantities attached in the Price Bid.

Tender for the work should be submitted in a sealed cover consisting of three inner sealed covers such as i) EMD cover ii) Qualification bid cover & iii) Price bid cover, all superscribing the name of work, tender schedule number etc.

- 1) **EMD cover shall contain requisite EMD in the form of DD.** Tenderers who had already remitted one time EMD should furnish the details of cash receipt No._____ dt. _____, on the top of EMD cover. Tender without EMD / one time EMD reference will be summarily rejected and the qualification bid & price bid shall not be considered.

In case of tender documents downloaded from website, tender shall accompany the tender cost of Rs.750/- in the form of Demand Draft (separate) in addition to the EMD amount in the form of Demand Draft.

All Demand Draft shall be drawn in favour of **BHEL, Trichy** payable at Tiruchirappalli.

- 2) Qualification bid cover shall contain duly filled in qualification bid document signed by the tenderer in all the pages with documentary evidences for pre-qualification such as experience, value of work executed in the similar nature of work, etc. Any bid without proper documentary evidence for pre-qualification shall not be considered for further evaluation.

CONTRACTOR

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ACCEPTING OFFICER

- 3) The Price Bid cover shall contain price bid document 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 from page No. 47 to 77 of Price Bid.**

The completed qualification bid and price bid along with requisite EMD of **Rs.2,00,000/-** for the work in the form of Demand Draft in favour of BHEL, Trichy shall reach the office of the undersigned on or before **18.10.2013 at 10.00 hrs.** Tenderers who had already remitted one time EMD should furnish the details of cash receipt No. _____ dt. _____, on the top of EMD cover. EMD in any other form will not be accepted. The qualification bid will be opened on the **same day at 10.15 hrs. at the Office of the DY. GEN. MANAGER / CIVIL / FACTORY (PLG. & DESIGNS), Building No. 53 Ground Floor, BHEL, Tiruchy – 620 014, Tamilnadu.** 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. Date and time of opening of the Price Bid shall be intimated only to the bidders those who have qualified after evaluation of the qualification bid. You / your authorized representative may participate in the tender opening.

Complete set of drawings as indicated in SCHEDULE D of Qualification Bid can be obtained from the undersigned on request and the same shall be signed and submitted along with the tender document.

The tenderers who is desirous of sending their tender documents by post or courier are advised to send the same well in advance so as to reach the **Office of the DY GEN MANAGER / CIVIL / FACTORY (Plg. & Designs), Bldg. No. 53 Ground Floor, BHEL, Tiruchy – 620 014, Tamilnadu on or before 18.10.2013 at 10.00 hrs.**

The late tenders received after the tender submission / opening time will be summarily rejected and will not be considered for any reason.

Clarification if any, can be obtained contacting following phone No. 0431 – 2574529 / 2574650 / 2574543 Mobile: 9442131611. Fax No. : 0431 – 2520333.

Latest updates on the important dates, Amendments, Correspondences, Corrigenda, Clarifications, changes, Errata, Modifications, Revisions, etc to Tender Specifications will be hosted in BHEL webpage (www.bhel.com -->Tender Notifications □View Corrigendums) **and not in the newspapers.** Bidders to keep themselves updated with all such information.

One set of tender documents shall be retained by the bidder for their reference.

Kindly acknowledge the receipt of the entire set of tender document.

Thanking you,

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

DGM / CIVIL / FACTORY (PLG. & DESIGNS)

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

CIVIL ENGINEERING DEPARTMENT (FACTORY)

PREAMBLE

PROJECT INFORMATION:

BHEL is proposed to install a Power Equipment Fabrication Plant at Sakoli Tehsil, district Bhandara of Maharashtra State in the land area of about 475 acres. It is proposed to Provide foundation, periphery wall, production shop flooring, cable trenches, machine foundations, Construction of Structural Steel sheds, Compact Sub - station & toilet blocks in the production shop floors for the Power Equipment Fabrication Plant near Sakoli, Bhandara district in Maharashtra State.

Site information:

Location : Tehsil : Sakoli (Villages covered: Mundipar, Bamhani and Khairi)

Dist : Bhandara

State : Maharashtra

Latitude : 21° 05' 00"N

Longitude : 79° 59' 00" E

Nearest Railway Station : Soundad- 10 Kms away from Sakoli

Nearest Village : Sakoli

Nearest Seaport : Mumbai

Nearest Airport : Nagpur (around 99 kms from Sakoli)

Access Road : **Sakoli** is located on Hazira-Kolkata NH-6. Sakoli is well connected to the major and minor cities. The National Highway 6 mainly connects Nagpur and Kolkata (via Bhandara, Deori, Jabalpur etc).

CLIMATIC CONDITIONS:

Temperature: Maximum: 47 Deg. Celsius and Minimum: 11.6 Deg. Celsius

Humidity: 52.3 %

Rainfall: In South West monsoon (June-Sep): 50 days.

Average total rainfall: 1250 - 1500 mm.

Seismic data:

Seismic Intensity : As per IS: 1893-2002 - Zone II.

1. **The scope of work includes Providing column foundation, periphery wall, production shop flooring, cable trenches, machine foundations, Construction of Structural Steel sheds, Compact Sub - station & toilet blocks, etc. in the production shop floors for the Power Equipment Fabrication Plant near Sakoli, Bhandara district in Maharashtra State including removal of dense grass, vegetation, wild growth, trees, cutting & leveling, etc. along the proposed boundary compound wall.**
2. **The tender value includes cost of cement, reinforcement steel & structural steel and all other materials.**
3. **Supply of materials like cement, reinforcement steel, structural steel, all crane rails, etc. are also included in the scope of the contractor. The adequacy of cement for the items provided in the Bill of Quantities shall be for DSR items as per the coefficient for cement consumption given in CPWD DSR 2012. (Refer Page No. 389 to 423).**
4. **Validity of the offer shall be for six months from the latest due date of offer submission.**
5. **No Price Variation Clause is applicable for this contract.**
6. **The contract period will be **12 (TWELVE)** months.**
7. Time is the essence of the contract. Being a time bound Project with capital expenditure, the contractor should make all efforts to complete the work in time. Even though the overall completion period is indicated as **12 months**, the work shall be completed progressively and handed over.
8. 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.
9. Quoted rate shall be firm throughout the contract period of **12 months** and no cost escalation is allowed on any account.
10. 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.
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. The successful tenderer has to execute any item of work irrespective of the quantity available in the tender without any reservation till the contract value does not vary more than 20%.
13. The rate offered is for finished item of works and shall provide for the complete cost towards fuel, tools, tackles, plant & machinery, temporary works, labour, **materials including scrap and invisible wastages**, levies, taxes, transport, lay-out, repairs, rectifications, maintenance till handing over, supervision, labour colonies, establishment, services, revenue expenses, overheads, profits & all other incidentals etc., complete.

The rate quoted shall not include service tax and BOCW Cess. However the service tax as applicable for this contract work and the same can be claimed from BHEL along with their monthly bills for further payment to be made to the authorities concerned. At present the rate of service tax is 4.944%. (Service tax + Edu. Cess+ Sec. Higher Edu. Cess). The contractor has to submit the payment challan as a documentary proof of having paid the service tax for the previous bill for which he has received the service tax payment along with the subsequent bill for which payment has to be processed.

The successful tenderer should remit 1% cess as per Building and Other Construction Workers Act 1996 as applicable to the authorities concerned from time to time. The same can be reimbursed from BHEL on production of valid documentary proof for having paid the 1% cess of the value of work done to the authorities concerned. As soon as the BHEL – PEFP Factory Registration obtained, the BOCW Act will not be applicable.

14. The work shall be carried out as per Civil Engineering Department Work & Safety procedure, AWS / BIS specifications, standard code of practice and as per the instructions of Engineer-in-charge. The brief description of items of work is given in the bill of quantities provided in the Price Bid. **Tenderer has to quote rates both in figures and in words for all the items given in the Bill of Quantities provided in the Price Bid. (From page No. 47 to 77).**
15. **New Taxes / Levies**
In case the Government imposes any new levy / tax on the output service / goods / work after award of the contract, the same shall be reimbursed by BHEL at actual.
In case any new tax / levy / duty etc. becomes applicable after the date of Bidder's offer, the Bidder / Contractor must convey its impact on his price duly substantiated by documentary evidence in support of the same **before opening of Price Bid**. Claim for any such impact after opening the Price Bid will not be considered by BHEL for reimbursement of tax or reassessment of offer.
16. For any item of work not covered in Bill of Quantities, the rate will be arrived at based on the conditions given in BHEL General Conditions of Contract in force.
17. The works contract to be entered into with the successful tenderer will be governed by the BHEL Revised General Conditions of Contract in force
18. The tenderers are advised to visit **PEFP Project site at Sakoli, Bhandara Dist., Maharashtra State** and get themselves acquainted with the site conditions before submitting the offer. Since the job shall be executed at site, bidders must visit site/ work area and study the job content, facilities available, availability of materials, prevailing site conditions including law & order situation, applicable wage structure, wage rules, etc before quoting for this tender. They may also consult this office before submitting their offers, for any clarifications regarding scope of work, facilities available at sites or on terms and conditions.
19. BHEL will arrange to depute their representative on specific dates to co-ordinate and accompany the tenderers to visit the site
20. For any clarification on the tender document, the bidder may seek the same in writing or through e-mail, as per specified format, within the scheduled date for seeking clarification, from the office of the undersigned. BHEL shall not be responsible for receipt of queries after due date of seeking clarification due to postal delay or any other delays. Any clarification / query received after last date for seeking clarification may not be normally entertained by BHEL and no time extension will be given.
21. In the event of any conflict between requirement of any clause of this specification / documents / drawings / data sheets etc or requirements of different codes/standards specified, the same to be brought to the knowledge of BHEL in writing for clarification before due date of seeking clarification (whichever is applicable), otherwise, interpretation by BHEL shall prevail. Any typing error / missing pages / other clerical errors in the tender documents, noticed must be pointed out before submission of offer, else BHEL's interpretation shall prevail.

22. Order of Precedence:

In the event of any ambiguity or conflict between the Tender Documents, the order of precedence shall be in the order below:

- a. Amendments / Clarifications / Corrigenda / Errata etc issued in respect of the tender documents by BHEL
- b. Notice Inviting Tender (NIT)
- c. Price Bid
- d. Qualification Bid
- e. General Conditions of Contract

23. The decision of Engineer-in-charge shall be final and binding on the contractor regarding clarification of items in this tender schedule.

24. The following eligibility criteria shall be complied to fulfill the Pre-Qualification Of Qualification Bid:-

1. **The tenderer should have EPF, PAN, Service Tax Registration No., proof of having submitted IT return for the last three financial years (2010-11, 11-12, & 12-13), Profit & Loss account and balance sheets certified by the auditor.**

2. **Average annual turnover of similar works in the last 3 financial years shall be atleast for a value of (Rs. 739.50 L)**

During last seven financial years should have successfully completed works either

3. **Three similar works not less than (Rs. 986.00 L)**

Or

Two similar works not less than (Rs. 1232.50 L)

Or

One similar work not less than (Rs. 1972.00 L)

4. **Latest Solvency certificate (obtained within 6 months) from Nationalised / Scheduled Bank shall be at least for a value of (Rs. 986.00 L)**

25. The norms for qualification with prescribed score are attached in the Qualification Bid. Evaluation will be done accordingly. Minimum score required for qualification is 60.

26. 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 same separately. If it is not furnished, the materials cost will be presumed as follows: -

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

27. The tenderer has to satisfy the Pre-Qualifying Requirements stipulated for this Tender in the NIT in order to be qualified. The date of opening of price bids / conducting reverse auction shall be intimated to only such technically qualified bidders. BHEL reserves the right not to consider offers of parties under HOLD.

28. The tenderer shall submit documents in support of possession of 'Qualifying Requirements' duly self-certified and stamped by the authorized signatory, attested by gazetted / Notary public, indexed and properly linked in the format for PQR. In case BHEL requires any other documents / proofs, these shall be submitted immediately.
29. Documentary evidences (Xerox copies - attested) for turnover on similar works, works experience, P.F, ESI, Sales Tax, Service Tax, Excise Duty, PAN Registration etc., all as indicated & required in the tender document should be furnished without which it will not be taken into account.
30. The tenderer may have to produce original document for verification if so decided by BHEL.
31. The works executed in the own name of the tenderer only will be considered for eligibility criteria. The nominated committee may also visit the works executed by the contractor to ascertain the nature of work relating to similar works before qualifying.
32. Dissimilar / irrelevant works will not be considered for eligibility criteria.
33. In case of tender documents downloaded from website, tender shall accompany the tender cost of Rs.750/- in the form of Demand Draft (separate) in favour of BHEL payable at Tiruchy in addition to the EMD amount in the form of Demand Draft. Tenders without tender cost will also be summarily rejected.
34. Tender without EMD or one time EMD reference will be summarily rejected and the qualification bid and price bid shall not be considered.

IMPORTANT INFORMATION:

35. **The offers of the tenderer / bidders who are on the banned list and also the offer of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site (www.bhel.com ---> Tender Notification -□ List of Banned Firms)**
36. 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.
37. 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.
38. BHEL reserves the right to decide the successful bidder on the basis of Reverse Auction process. In such case all qualified bidders will be intimated regarding procedure/ modality for Reverse Auction process prior to Reverse Auction and price will be decided as per the rules for Reverse Auction.
39. **BHEL reserves the right to reject any or all the offer without assigning any reasons and cancel the tender due to technical or administrative reasons.**
40. **The successful tenderer has to furnish the security deposit, as per Clause 13 of Tender Notice, attached in the Qualification Bid if the work is awarded. Also it is to be noted that after award of work the successful tenderer has to furnish atleast 50 % of security deposit before the commencement of work.**
41. Bank Guarantee format and the list of consortium banks are enclosed for BG submission against Security Deposit

42. Tenderers are requested to furnish the duly filled in E format (attached as separate in the Qualification Bid) sheet along with a cancelled cheque leaf to accept Electronic Fund Transfer / R T G S transfer for any payment from BHEL, Trichy.
43. **No advance / mobilization advance will be given and the part-payment or advance for raw materials brought by the successful tenderer will not be paid. The payment for the finished items of works only will be paid after incorporating the required raw materials into the work, if any.**
44. **LD / Penalty clause is applicable as per General Conditions of Contract in force.**
45. **The successful tenderer has to ensure payment of Minimum Wages as per Maharashtra State Minimum Wages including its periodical revision as applicable under law from time to time.**

The labourers engaged in this contract shall be paid additional payment as mentioned below in addition to the payment of Minimum wages as stated above.

a)	Unskilled Worker	Rs. 2000 per month
b)	Semi-skilled Worker	Rs. 2300 per month
c)	Skilled Worker / Supervisor	Rs. 2500 per month

Also the labourers shall be paid a minimum bonus which shall be 8.33% as per the payment of Bonus Act 1965 for the total wages paid (i.e) Payment of minimum wages and additional payment as mentioned above.

The successful tenderer shall have to remit EPF & ESI contributions at the rates applicable under law to the authorities concerned for the total wages paid (i.e) Payment of minimum wages and additional payment as mentioned above.

If ESI is not applicable to the work site, the tenderer has to cover his all workmen including supervisors and executives with contractor's all risk insurance policies.

46. The successful tenderer should pay Bonus to their workmen engaged for this contract work as per the payment of Bonus Act 1965.
47. BHEL may insist for witnessing the regular payment to the labour. They may also like to verify the relevant records for compliance with statutory requirements. The successful tenderer shall enable such facilities to BHEL.
48. The successful tenderer will deduct the necessary amount from his employees towards provident fund & ESI and contribute the equal amount as per Government of India rules. This amount will be deposited regularly to the Provident Fund & ESI Authorities concerned and account code obtained. The successful tenderer shall submit the above account code duly certified by PF & ESI authorities to BHEL project – in -charge. Also all other employees' benefits are to be borne by the contractor as per statutory laws. **If ESI is not applicable to the work site, the tenderer has to cover his all workmen including supervisors and executives with contractor's all risk insurance policies.**
49. The successful tenderer should submit labour records such as attendance, wage acquittance, ESI and PF remittance challans for the labourers engaged in the Project site only. **If ESI is not applicable to the work site, the tenderer has to cover his all workmen including supervisors and executives with contractor's all risk insurance policies.**
50. The successful tenderer has to deploy adequate labour of required categories such as Unskilled, Skilled, Welder, Fitter, Mistry, Technically experienced, etc. so as to execute the works simultaneously in all areas of work. Expertise labour only to be engaged for specialized items of work and the technical persons with experience shall have to produce valid certificate for verification.

51. The successful tenderer shall engage all the unskilled, skilled, especially skilled labour and supervisory staff for the work. Only trained and competent personnel with previous experience in the job shall be employed. However, BHEL reserves the right to decide on the suitability of the workers and other personnel who will be employed by the contractor. BHEL reserves the right to insist on removal of any employee of the contractor at any time, if they found him unsuitable. The successful tenderer shall be bound to follow the instruction of BHEL.
52. It is the responsibility of the contractor to engage his workmen in shifts and /or on overtime basis for achieving the target set by BHEL. This target may be set to suit BHEL's requirements or to advance date of completion of events or due to other reasons. The decision of BHEL in regard to setting the targets will be final and binding on the successful tenderer.
53. The successful tenderer shall employ only qualified and experienced engineers/supervisors for this job. They shall have professional approach in executing the work having adequate knowledge and experience in the fields. The successful tenderer shall give an organization chart indicating the staffing pattern.
54. The successful tenderer 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.
55. The successful tenderer is required to carry out erection activities as directed by the department officials. It is required to engage certain minimum strength of staff for effective supervision of works as indicated below:

Site in-charge / Construction Manager	-	1 No.
Qualified Surveyor	-	1 No.
Supervisor/Engineer (Diploma Holder)	-	4 Nos.
56. Adequate number of Quality Engineer and qualified Safety Engineer should be deployed at site.
57. 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.
58. The successful tenderer shall provide the names and details of Engineer / Supervisors at the time of mobilization to BHEL as per the proposed organization chart.
59. Exclusive Stores personnel should be engaged who would co-ordinate with department official for clearance and collection of BHEL supplied materials if any for works.
60. Separate non-technical persons should be engaged for arranging daily gate passes for labours and vehicles entry in all the gates of the site Complex.
61. The successful tenderer's supervisory staff shall execute the work in the most substantial and workmanlike manner in the stipulated time. Accuracy of work and aesthetic finish are essential part of this contract. They shall be responsible to ensure that the assembly and workmanship conform to dimensions and tolerances given in the drawings/ instructions given by BHEL Engineer from time to time.
62. The supervisory staff employed by the successful tenderer shall ensure proper outturn of work and discipline on the part of the labour put on the job by the successful tenderer and in general, see that the works are carried out in a safe and proper manner and in coordination with other labour and staff employed directly by BHEL or other contractors of BHEL or BHEL's Client.

63. An industrial relations supervisor shall coordinate for the implementation of local labour laws, maintenance of records as required by contract labour (regulation and abolition act) and also coordinate with the local labour authorities. The successful tenderer has to ensure minimum wages payment to their labours as per the rule of the state and they have to produce documentary evidence to that effect to BHEL.
64. If at any time during the execution of work, it is noticed that the work is suffering on account of non-availability / shortfall in provision of resources from the successful tenderer's side BHEL will make suitable alternate arrangements at the risk and cost of contractor. The expenditure incurred with overheads thereby shall be recovered from the successful tenderer.
65. It shall be the responsibility of the successful tenderer to see that the workmen do not utilize the departmental canteen facilities. The successful tenderer has to make his own arrangements to provide refreshment for the workmen.
66. The successful 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.
67. The successful tenderer shall obtain independent Labour License under the Contract Labour (regulation and abolition) Act from the concerned authorities based on the certificate (form-V) issued by BHEL.
68. The successful tenderer shall strictly adhere to various labour laws in force.
69. The successful tenderer shall also comply with the requirements of local authorities / project authorities calling for police verification of antecedents of the workmen, staff etc.
70. The successful tenderer should remit 1% cess as per Building and Other Construction Workers Act 1996 as applicable against payment received from BHEL. Please refer the BOCW Act 1996 in this regard.

BUILDING & OTHER CONSTRUCTION WORKERS (REGULATION OF EMPLOYMENT AND CONDITIONS OF SERVICE) ACT, 1996 (BOCW Act) AND RULES OF 1998 READ WITH BUILDING & OTHER CONSTRUCTION WORKERS CESS Act, 1996 & CESS RULES, 1998.

In case any portion of work involves execution through building or construction workers, then compliance to the above titled Acts shall be ensured by the contractor and contractor shall obtain license and deposit the cess under the Act. In the circumstances it may be ensured as under:-

- i. It shall be the sole responsibility of the contractor in the capacity of employer to forthwith (within a period of 15 days from the award of work) apply for a licence to the Competent Authority under the BOCW Act and obtain proper certificate thereof by specifying the scope of its work. It shall also be responsibility of the contractor to furnish a copy of such certificate of licence / permission to BHEL within a period of one month from the date of award of contract.
- ii. It shall be the sole responsibility of the contractor as employer to ensure compliance of all the statutory obligations under these act and rules including that of payment / deposit of 1% cess on the extant of work involving building or construction workers engaged by the contractor.
- iii. It shall be the responsibility of the sub-contractor to furnish the receipts / challans towards deposit of the cess together with the number, name and other details of beneficiaries (building workers) engaged by the sub-contractor during the preceding month.
- iv. It shall be the absolute responsibility of the sub-contractor to make payment of all statutory payments & compensations to its workers including that is provided under the Workmen's Compensation Act, 1923.

71. **The successful tenderer shall make his own arrangements for accommodation with necessary facilities such as drinking water, sanitation and lighting etc. for his workmen and the staff. The electricity for labour accommodation shall be arranged by the contractor on his own. Also, the contractor has to make his own arrangement for transportation of his workmen and other employees. BHEL shall not provide any facility in this regard. However, BHEL may consider to allot space for labour colony at free of rent if sufficient land is available for this purpose.**
72. **The successful tenderer should establish his own site office, fabrication yard, handling facility, storage facility, security arrangements, etc., for which vacant land will be allotted on specific request for which the rent will not be collected.**
73. **The successful tenderer shall make his own arrangements for field office and stores for accommodating necessary equipments, tools room for execution of the work. Only open space will be provided by BHEL free of charges within the project premises at the available location.**
74. **The successful tenderer will have to make his own arrangements for water without any extra claims and water required for the work and drinking for the workmen shall be arranged by the successful tenderer.**
75. **The successful tenderer will have to make his own arrangements for Electrical energy without any extra claims and electrical energy required for the work and for other purposes shall be arranged by the successful tenderer. The successful tenderer shall make leak proof / fire proof shed and provide control panel board of required capacity and lay the required cables at their own cost for further distribution to other required area of work.**
76. **The successful tenderer 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.**
77. **The successful tenderer should have their own well established laboratory for conducting various tests as per scope of work mentioned in the Tender document at their manufacturing centre / unit.**
78. **The successful tenderer shall arrange adequate floodlights, hand lamps and area lighting. Provision of distribution lines for lighting from the single point to the required place with proper distribution boards, observing the safety rules laid down by the electrical authorities of the state shall be done by the successful tenderer including all the materials like cables, fuses, switch boards etc.**
79. **The successful tenderer shall provide at different elevation suitable arrangement for urinal and drinking water facility with necessary plumbing & disposal arrangements including construction of septic tank. These installations shall be maintained in hygienic condition at all times.**
80. **On completion of work, all the temporary buildings, structures, etc shall be dismantled and levelled and debris shall be removed as per instruction of BHEL by the successful tenderer at his cost. In the event of his failure to do so, the same will be arranged to be removed and expenditure thereof will be recovered from the successful tenderer. The decision of BHEL engineer in this regard shall be final. However, the scope of dismantling and levelling the area is limited only to the successful tenderer's site office, yard and other spaces occupied by the contractor.**
81. **The successful tenderer shall follow norms of BHEL security system for movement of men including bio-metric system & materials within the complex**
82. **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.

83. All safety measures are to be followed during execution of work, particularly while working at heights. Sufficient care shall be taken by the contractor to avoid damages to the buried pipe lines, cables and other infrastructure like railway lines if any etc.
84. 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.
85. The tenderer is required to quote their rates inclusive of cost of all materials, T&Ps, labour, etc. BHEL reserves the right to inspect and reject any T&P not found satisfactory.
86. The successful tenderer 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.
87. The successful tenderer 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.
88. The successful tenderer should deploy precise instruments like total station, measuring devices using laser beam to ensure error free line, level and alignment of holding down bolts etc. The successful tenderer is required to deploy skilled experienced labourers in handling such instruments and has to coordinate with other agencies like Civil contractors to achieve accuracy for trouble free erection of structures.
89. The successful tenderer 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, theodolite and total station
 - b) Full load mixture machine / mini batching
 - c) Petrol / Kerosene driven vibrator/ mechanical vibrat
 - 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.
90. The successful tenderer 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.
91. All tools and plants including jack hammer with silencer & bits, rock drilling machines, etc., required for all the works covered under this contract will have to be brought by the successful tenderer.
92. The successful tenderer's materials and tools & plants shall have to be brought inside factory with proper invoice / voucher and make necessary entry in the security gate. They should maintain proper record for tools and plants, materials, etc., brought inside the project site.
93. The successful tenderer is required to provide all necessary Tools and Plants (T&P), measuring instruments and handling equipments for this scope of work. BHEL is not providing any T&P for this work.
94. The successful tenderer shall provide all the necessary scaffolding materials, temporary structures and necessary safety devices etc, during execution of the work.

95. Timely deployment of adequate quantity of T&P is the responsibility of the successful tenderer. The successful tenderer shall be prepared to augment the T&P at short notice to match the planned programme and to achieve the milestones.
96. The successful tenderer shall submit periodical reports in respect of following aspects of operation:
- 1) Availability and utilization of contractor's Tools & Plants
 - 2) Daily manpower reports
 - 3) Daily progress reports of activities & incidents
 - 4) Calibration reports
 - 5) Records of wages payment
 - 6) Any other report/record as may be specified by BHEL.
- BHEL at site will suggest formats for these reports.
97. Since the responsibility for the quality, workmanship and accuracy of any work being carried out under this contract lies with the successful tenderer, the successful tenderer should ensure that no work is done without the presence of successful tenderer's representative at the work spot. The successful tenderer should arrange for surveying construction site at his own cost.
98. All the works shall be executed as per the standard specifications as provided in TNBP / BIS / CPWD.
99. All the materials to be used in the work and the nature of work shall conform to the respective 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.
100. With regard to specifications not covered by the General and Special Conditions of Contract, those contained in the DSR 2012 / CPWD Standard Specifications / TNBP or other specifications approved by Bharat Heavy Electricals Limited, shall apply.
101. The successful tenderer should submit the mix design for RCC wherever indicated for different mix of concrete for different grade of cement at his cost through reputed institution.
102. The successful tenderer should use only weigh batch for all reinforced cement concrete works (controlled concrete). The successful tenderer is advised to install concrete mini batching plant at site considering the quantum of concrete work involved.
103. All materials brought by the successful tenderer for incorporation in the work shall be got inspected and approved by the Engineer-in-charge before they are incorporated in the work.
104. The successful tenderer should use only the materials of brand and quality as approved by BHEL.
105. The successful tenderer has to procure and use all the engineering and construction materials for the works as per approved brands as indicated in the tender documents.
106. All materials and consumables brought by the successful tenderer should have manufacturer's certificate.
107. The successful tenderer shall provide all consumables required for carrying out the work covered under this scope of work excepting those which are specifically indicated as BHEL supply.

108. All consumables, to be procured and used for the work shall have prior approval of BHEL engineer in regard to brand and quality specification.
109. The successful tenderer should maintain proper accounts for materials brought by the him and if any materials supplied by the department and the same should be available at the site of work for verification and check by the Officials of this Organisation at any time.
110. The successful tenderer should extend full co-operation to the other contractors who may be doing other works in the same area to enable them to execute their portions of work without any delay or difficulty.
111. All the structural works including fabrication, erection etc, are subjected to inspection and clearance by Third Party Agency fixed by BHEL.
112. The successful tenderer should extend full co-operation with the third party inspection agencies engaged by BHEL to adhere to the Quality Control Procedures ensuring quality.
113. Statement of completed works with detailed measurements and DODL if any, along with material consumption statements shall be submitted by the successful tenderer in the last week of every month for processing bill.
114. Payment will be made only for the quantities actually executed as measured and accepted finally. No separate payment will be paid for invisible and visible wastage and scrap materials.
115. The successful tenderer has to raise invoice in running bills based on the measurements written in the Measurement Book.
116. After completion of entire work, the successful tenderer will be allowed to take away the excess quantity of materials that are not paid but brought by the successful tenderer through proper gate passes.
117. In all matters of dispute, the decision of General Manager (Stationed at Bhandara), BHEL, Tiruchirappalli – 620 014 is final and binding on the successful tenderer.

BANK GUARANTEE FOR SECURITY DEPOSIT (PROFORMA)

In consideration of the Bharat Heavy Electricals Limited, having its registered office at BHEL House, Siri Fort, New Delhi – 110 049 the concerned division being (indicate name of the concerned division of BHEL) (hereinafter called BHEL).

having agreed to exempt (hereinafter called “the said Contractor(s)” from the demand, under terms and conditions of agreement dated made between BHEL and for (hereinafter called “the said Agreement) of security deposit for the due fulfillment by said contractors of the terms and condition contained in the said agreement, on production of bank guarantee for Rs.

(Rupees only)

1. We (hereinafter referred to as “the Bank”) at the request of (indicate the name of Bank)

contractor(s) do hereby undertake to pay to BHEL an amount not exceeding Rs. against any loss or damage caused to or suffered or would be caused to or suffered by BHEL, by reason of any breach by the said contractor(s) of any of the terms or conditions contained in the said Agreement.

2. We do hereby undertake to pay the (indicate the name of Bank) amounts due and payable under this guarantee without any demur, merely on a demand from BHEL stating that the amount claimed is due by way of loss or damage caused to or would to or suffered by BHEL by reason of breach by the said contractor(s) of any of the terms and conditions contained in the said Agreement or by reason of the contractor(s) failure to perform the said Agreement. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, out liability under this guarantee shall be restricted to an amount not exceeding Rs.....

3. Weundertake to pay to BHEL any money so demanded notwithstanding (indicate the name of Bank) any dispute or disputes raised by contractor (s) supplier(s) in any suit or processing pending before any court or tribunal relating thereto our liability under these presents being absolute and unequivocal. The payment so made by under this bond shall be valid discharge of our liability for payment thereunder and the contractor(s) shall have no claim against us for making such payment.

4. further agree that the guarantee herein (indicate the name of Bank) contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and the it shall continue to be enforceable till all the dues of BHEL under or by virtue of the said Agreement have been fully paid and its Agreement have been fully and properly carried out by the said contractor(s) and accordingly discharge this guarantee unless a demand or claim under this guarantee is made on us in writing on or before we shall be discharged form all liability under this guarantee thereafter.

i. Wefurther agree with BHEL that BHEL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said Agreement or to extend tim of performance by the said contractor(s) from time to time or to postpone any time or from time to time any of the powers exercisable by the BHEL against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reasons of any such variation, of extension being granted to the said Contractor(s) or for any forbearance, act, or commission on the part of BHEL or any indulgence BHEL to the said Conference(s) or by any such matter or thing whatsoever which under the law relating to sureties would but for its provisions, have effect of so relieving us.

- ii. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s) / Supplier(s)
- iii. We lastly undertake not to revoke this
(indicate the name of Bank)
guarantee during its currency except with the previous consent of BHEL in writing.
- iv. Any claim or dispute arising under the terms of this document shall be enforced or settled in the courts in Tiruchirapalli located in Tamilnadu.
- v. The address of BHEL of services, correspondence in respect of matters relating to this guarantee shall be :
- 5. The guarantor hereby declare that it has power to execute this guarantee and the executant has full powers to do so on its behalf under the proper authorities granted to him/them by the the guarantor.
- 6. We(indicate the name of Bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the company in writing.

ADDRESS OF THE CONCERNED DIVISION OF BHEL.

Address of the Bank in full

Dated the Day of 19.

Pin Code :

Telegraphic Code : For
.....

(Indicate the name of Bank)

Bank Phone No.
Bank e-mail ID
Bank FAX No

In witness whereof we....., (indicate the name of Bank) have hereunto setout Bank Seal the _____ day _____ month 20

Witness :

1.

2.

The Bank Guarantee bonds (BG) are to be submitted on non-judicial stamp paper of Rs. 100/- and should be only from any one of the below mentioned Banks in India.

LIST OF CONSORTIUM BANKS IN INDIA

(as on 15.12.2011)

List of Consortium Bank			
	Nationalised Bank		Nationalised Bank
1	Allahabad bank	19	Vijaya Bank
2	Andhra bank		Public Sector Banks
3	Bank of Baroda	20	IDBI
4	Canara Bank		Foreign bank
5	Corporation bank	21	CITI Bank N.A
6	Central bank	22	Deutsche Bank AG
7	Indian Bank	23	The Hongkong and Shanghai Banking Corporation Limited
8	Indian Oversea Bank	24	Standard Chartered Bank
9	Oriental bank of Commerce	25	The Royal Bank of Scotland N.V.
10	Punjab National Bank	26	J P Morgan
11	Punjab & Sindh Bank		Private bank
12	State Bank of India	27	Axis Bank
13	State Bank of Hyderabad	28	The Federal Bank Limited
14	Syndicate Bank	29	HDFC
15	State Bank of Travancore	30	Kotak Mahindra Bank
16	UCO Bank	31	ICICI
17	Union Bank of India	32	Indusind Bank
18	United Bank of India	33	Yes Bank

(1) It should be typed in the Rs. 100 value of stamp paper.

(2) It should be signed by TWO bank officials with Rubber stamp containing names & employee numbers of bank officials.

(3) It should be submitted with bank covering letter with sign and seal of the bank official.

INTEGRITY PACT

Between

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi – 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

And

(description of the party along with address), hereinafter referred to as "The Bidder/ Contractor" which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for

_____. The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s). In order to achieve these goals, the Principal will appoint Independent External Monitor(s), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above. of 2 7

Section 1 – Commitments of the Principal

1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

1.1.3 The Principal will exclude from the process all known prejudiced persons.

1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s)/ Contractor(s)

2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he / she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant IPC/ PC Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

2.1.4 The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 – Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidders(s)/ Contractor(s) from the tender process or take action as per the separate "Guidelines for Suspension of Business Dealings with Suppliers/ Contractors" framed by the Principal. of 4 7

Section 4 – Compensation for Damages

4.1 If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.

4.2 If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/Performance Bank Guarantee, whichever is higher.

Section 5 – Previous Transgression

5.1 The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process. 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 – Equal treatment of all Bidders/ Contractors/ Sub-contractors

6.1 The Bidder(s)/ Contractor(s) undertake(s) to demand from his sub-contractors a commitment consistent with this Integrity Pact. This commitment shall be taken only from those sub-contractors whose contract value is more than 20% of Bidder's/ Contractor's contract value with the Principal.

6.2 The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.

6.3 The Principal will disqualify from the tender process all bidders who do not sign this pact or violate its provisions.of 5 7

Section 7 – Criminal Charges against violating Bidders/ Contractors /Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 –Independent External Monitor(s)

8.1 The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

8.2 The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.

8.3 The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the Principal including that provided by the Bidder(s)/ Contractor(s). The Bidder(s)/ Contractor(s) will grant the monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation. The same is applicable to Sub-contractor(s). The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Sub-contractor(s) with confidentiality.

8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

8.5 As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or of 6 7 take corrective action, or heal the situation, or to take other relevant action. The Monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

8.6 The Monitor will submit a written report to the CMD, BHEL within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.

8.7 The CMD, BHEL shall decide the compensation to be paid to the Monitor and its terms and conditions.

8.8 If the Monitor has reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant IPC / PC Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

8.9 The number of Independent External Monitor(s) shall be decided by the CMD, BHEL.

8.10 The word 'Monitor' would include both singular and plural.

Section 9 – Pact Duration

9.1 This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the respective contract and for all other Bidders 6 months after the contract has been awarded. 9.2 If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified as above, unless it is discharged/ determined by the CMD, BHEL. of 7 7

Section 10 – Other Provisions

10.1 This agreement is subject to Indian Laws and jurisdiction shall be registered office of the Principal, i.e. New Delhi.

10.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

10.3 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

10.4 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

10.5 Only those bidders/ contractors who have entered into this agreement with the Principal would be competent to participate in the bidding. In other words, entering into this agreement would be a preliminary qualification.

For & On behalf of the Principal
Contractor
(Office Seal)

For & On behalf of the Bidder/
(Office Seal)

Place-----

Date-----

Witness: _____
(Name & Address) _____

Witness: _____
(Name & Address) _____

REVERSE AUCTION

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

GENERAL TERMS AND CONDITIONS OF RA

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

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

The rate offered is for finished items of works and shall provide for the complete cost towards fuel, tools, tackles, plant & machinery, temporary works, labour, materials, levies, taxes, transport, lay-out, repairs, rectifications, maintenance till handing over, supervision, labour colonies, establishment, services, revenue expenses, overheads, profits & all other incidentals including insurance coverage for the total cost of the PEB structures, etc., complete.

The rate quoted shall not include service tax and BOCW Cess. However the service tax as applicable for this contract work and the same can be claimed from BHEL along with their monthly bills for further payment to be made to the authorities concerned. At present the rate of service tax is 4.944%. (Service tax + Edu. Cess+ Sec. Higher Edu. Cess). However the tenderer has to submit the service tax structure of applicability to their firm nature to arrive at the total cost to BHEL based on which the final award of work will be done. The contractor has to submit the payment challan as a documentary proof of having paid the service tax for the previous bill for which he has received the service tax payment along with the subsequent bill for which payment has to be processed.

The successful tenderer should remit applicable cess as per Building and Other Construction Workers Act 1996 as applicable to the authorities (Maharashtra Government) concerned from time to time. The same can be reimbursed from BHEL on production of valid documentary proof for having paid the applicable cess of the value of work done to the authorities concerned. As soon as the BHEL – PEFP Factory Registration obtained, the BOCW Act will not be applicable.

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



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

CIVIL ENGINEERING DEPARTMENT

NOTICE INVITING TENDER

01. Name of work:

Providing foundation, periphery wall, production shop flooring, cable trenches, machine foundations, Construction of Structural Steel sheds, Compact Sub-station, & toilet blocks in the production shop floors for the Power Equipment Fabrication Plant near Sakoli, Bhandara district in Maharashtra State.

02. Estimated Cost : **Rs. 2465.00 Lakh plus applicable service tax**

03. Earnest Money Deposit : **Rs.2,00,000/-**

04. Completion Time : **TWELVE (12) Months**
(From the date of commencement of the work which will be reckoned from the date of handing over to the Contractor)

05. Cost of Tender Document : **Rs.750/-**
(Rs. 825/- if required by post) including Sales Tax in DD form. This amount will not be refunded under any circumstances.

06. Last Date for Receipt of Tenders : **10.00 Hrs. on 18.10.2013**

07. Date of Tender Opening : **10.15 Hrs. on 18.10.2013**

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 totally **361** pages, Qualification Bid - **272** pages, Price Bid – **89** pages including drawing, Bill of Quantities and **7** pages as Drawings etc.

Issued to Messrs. / Thiru :

ISSUING OFFICER

CONTRACTOR

25

ACCEPTING OFFICER

INSTRUCTIONS TO TENDERERS

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

NOTE :

- a) Copies of testimonials unless attested a Gazetted Officer will not be accepted
 - b) Non – Submission of the above testimonials simultaneously with the tenders may result in the tender being rejected
2. The tenders should be accompanied by a list of contracts already held by the contractor at the time of submitting the tender and giving the following particulars
 - a) Value of each contract
 - b) The balance value of work to be done on the same
 3. The tenderer is advised to obtain the tender documents in person or by a messenger duly authorized to do so. The BHARAT HEAVY ELECTRICALS LIMITED will not under any circumstances accept responsibility for the non – receipt of delay in the receipt of the tender documents by the tender.
 4. Rate for each item of the tender schedule should be quoted in FIGURES and in WORDS. In case of any difference in the rates quoted in figures and in words, the lower of the two rates will be taken as the tendered rate. Unit rate quoted shall be the basis for arriving the total value of the tender. The total amount for every item shall be arrived by multiplying the unit rate with the quantity indicated for that item. In case of any arithmetic deviation is noticed in the total amount, the same will be corrected and evaluated by taking unit rate as basis and multiplying with the quantity indicated.

Rate quoted shall include all royalties, terminal taxes, Octroi duties, Central or Provincial Excise Tax, Sales Tax, cess on Building and other construction workers Act 1996 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. **The rate quoted shall not include service tax and BOCW Cess. However the service tax as applicable for this contract work and the same can be claimed from BHEL along with their monthly bills for further payment to be made to the authorities concerned. At present the rate of service tax is 4.944%. (Service tax + Edu. Cess+ Sec. Higher Edu. Cess). However the tenderer has to submit the service tax structure of applicability to their firm nature to arrive at the total cost to BHEL based on which the final award of work will be done. The contractor has to submit the payment challan as a documentary proof of having paid the service tax for the previous bill for which he has received the service tax payment along with the subsequent bill for which payment has to be processed.**

The successful tenderer should remit applicable cess as per Building and Other Construction Workers Act 1996 as applicable to the authorities (Maharashtra Government) concerned from time to time. The same can be reimbursed from BHEL on production of valid documentary proof for having paid the applicable cess of the value of work done to the authorities concerned. As soon as the BHEL – PEFP Factory Registration obtained, the BOCW Act will not be applicable.

5. 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)

6. Quoted rate shall be firm throughout the contract period of **12 months** and no cost escalation is allowed on any account including extended period if any.
7. The works contract to be entered in to with the contractor will be governed by the BHEL Revised General Conditions of contract in force.
8. 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.
9. 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.
10. 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.
11. 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.
12. The contractor's responsibility under this shall commence form the date of receipt of the contract order of acceptance of his tender. The scheduled period of completion for this work will be as mentioned in page No. **25** and the Contractor will have to plan his work accordingly.
13. Generally, the maintenance period for any work under BHEL Organization will be Six (6) months.

15. Earnest Money Deposit:

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

Works costing up to Rs. 2 lakhs	NIL
Works costing more than Rs.2 lakh and up to Rs. 5 lakhs	Rs. 10000/-
Works costing more than Rs.5 lakhs and up to Rs.10 lakhs	Rs. 20000/-
Works costing more than Rs.10 lakhs and up to Rs.20 lakhs	Rs. 40,000/-
Works costing more than Rs.20 lakhs and up to Rs.30 lakhs	Rs. 60,000/-
Works costing more than Rs.30 lakhs and up to Rs.50 lakhs	Rs.1,00,000/-
Works costing more than Rs.50 lakhs and up to Rs.100 lakhs	Rs.1,50,000/-
Works costing more than Rs.100 lakhs	Rs. 2,00,000/-

One time EMD will also be Rs.2.00 lakhs.

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

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

- b) 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.
16. Should a tenderer or a contractor on the list of approved Contractors have a relative, or in the case of a firm or Company of contractors any of its share-holders or shareholder's relative, employed in a gazetted capacity in the Engineering Department of the Bharat Heavy Electricals Limited, the authority inviting tenders shall be informed of this fact at the time of submission of the tender, failing which tender, may be disqualified or if such fact subsequently comes to light, the contract may be rescinded in accordance with the relevant provisions in the General Conditions of Contract.
17. If tenderer expires after the submission of his tender or after the acceptance of his tender the BHEL may, at their discretion, cancel such tender. If a partner of a firm expires after submission of tender or after the acceptance of the Tender, BHEL may cancel such Tender at their discretion unless the firm retain its character.
18. The Bharat Heavy Electricals Limited will not be bound by any power of attorney granted by the tenderer or by changes in the composition of firm made subsequent to the execution of the contract. They may however recognize such power of attorney and changes after obtaining proper legal advice the cost of which will be chargeable to the contract concerned.
19. If the tenderer deliberately gives wrong information in his tender or creates conditions favorable for the acceptance of his tender, the Bharat Heavy Electricals Limited, reserves the right to reject such tender at any stage.
20. Words importing the singular number shall also be deemed to include the plural number and vice versa where the context so requires.
21. The expenses for competing and stamping the agreement shall be paid by the contractor.
22. The General and special conditions are complementary to each other and where they conflict the Special Conditions shall prevail. In regard to matters not covered by the General and Special Conditions of Contract, those contained in the Tamil Nadu Building Practice Standard Specifications or other specifications approved by the Bharat Heavy Limited, shall apply.
23. Tenderers shall not increase their quoted rates in case the Bharat Heavy Electricals Limited, negotiates for negotiation for reduction of rates. Such negotiation shall not amount to cancellation or withdrawal of the original offer and the rates originally quoted shall be binding on the tenderers for a period of three months from the date of opening of tenders.
24. 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.
25. 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 :

Providing foundation, periphery wall, production shop flooring, cable trenches, machine foundations, Construction of Structural Steel sheds, Compact Sub-station, & toilet blocks in the production shop floors for the Power Equipment Fabrication Plant near Sakoli, Bhandara district in Maharashtra State.

ESTIMATED COST : Rs. 2465.00 LAKHS applicable service tax

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 **DGM/CIVIL/FACTORY (PLANNING & DESIGNS)** Bharat Heavy Electricals Limited, Tiruchirappalli – 620 014. Up to 14.55 Hrs. on **18.10.13** and will be opened on the same day at 15.00 Hrs. at the **Office of the DGM/CIVIL/FACTORY (PLANNING & DESIGNS)** 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 **17.10.13** on payment of the prescribed sum of Rs. **750 /** - per set in person (Rs. 825/- if required by post) including Sales Tax in the form of Demand Draft Amount nor refundable.

In case of tender documents downloaded from website, tender shall accompany the tender cost of Rs.750/- in the form of Demand Draft (separate) in addition to the EMD amount in the form of Demand Draft. Tenders without tender cost will also be summarily rejected.

3. TENDERS must be submitted in sealed covers and should be addressed to the with full name and address of the tenderer and the name of work being noted on the cover
4. All entries in the tender documents should be in the one ink. Erasers and over writings are not permitted. All cancellations and insertions should be duly signed by the tenderer concerned.
5. TENDERERS should fill in all the required particulars in the blank spaces provided for this purpose in the tender documents and also sign each and every page of Tender Documents including the drawings attach there to before submitting their tender.
6. UNIT rate should be quoted in figures as well as in words with reference to each item and for all the items shown in the attached schedule. These rates shall be for the finished work in site. Amount of each item and the total page by page and also the grand total amount of the whole contract should be filled in by the tenderers. Unit rate quoted shall be the basis for arriving the total value of the tender. The total amount for every item shall be arrived by multiplying the unit rate with the quantity indicated for that item. In case of any arithmetic deviation is noticed in the total amount, the same will be corrected and evaluated by taking unit rate as basis and multiplying with the quantity indicated.
7. QUANTITIES shown in the attached schedule are only approximate and are liable to variation without entitling the Contractors to any compensation, provided the total value of the Contract does not vary by more than 20% (twenty percent)
8. In quoting their rates, the tenderers are advised to take account all factors including any fluctuations in the market rates etc. No claim will be entertained on this account after acceptance of the tender or during the currency of the contract.

9. Before tendering, the tenderers are advised to inspect the site of work and its environments and be well acquainted with the actual working and other prevalent conditions position of materials and labour, General and Special Conditions of Contract. Instructions to tenders, drawings and Specifications and all other documents which form part of the Agreements to be entered into.
10. The rates quoted in the tender shall remain valid for a period **SIX MONTHS** from the date of opening of tenders.
11. In the event of tender being submitted by firm the tender must be signed separately and legibly by each partner or member of the firm or in their absence, by the person holding the power of attorney on behalf of the firm concerned in the latter case a copy of the power of attorney duly attested by a Gazetted Officer must accompany the tender.
12. Every tender must be accompanied with EMD for the amount as specified in Page No. **25** in any of the form mentioned in Para 12 of the "Instruction to Tenderers". This Earnest Money will be refunded to the unsuccessful tenderers within fifteen days of finalization of the award of work. In case of the successful tenderer, the Earnest Money will be retained as part of the Security Deposit for satisfactory completion of the work in accordance with Clause 16 of the General Conditions of Contract

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

13. Security Deposit

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

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

The security Deposit should be collected before start of the work 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. The Bank Guarantee format should have the approval of BHEL.
- vi) Fixed Deposit Receipt issued by Scheduled Banks / Public Financial Institutions as defined in the Companies Act. The FDR should be in the name of the contractor, A/C BHEL, duly discharged on the back.

- vii) Security deposit can also be recovered at the rate of 10% from the running bills. However in such cases at least 50% of the Security Deposit should be collected before start of the work and the balance 50% may be recovered from the running bills.
- viii) EMD of the successful tenderer shall be converted and adjusted against the security deposit.
- ix) The security deposit shall not carry any interest.

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

- 14. Unless the contractor whose tender is accepted signs the Contract Agreements and makes the necessary security deposit specified in Para 13 above within Seven days of the date of the order directing him to do so the amount of Earnest Money Deposit already deposited by him will be forfeited and acceptance of his tender withdrawn.
- 15. If after opening of tenderer revokes his tender or increases his earlier quoted rates or after acceptance of his tender does not commence the work in accordance with the instruction of the Engineer-in-charge, the Earnest Money deposited by him will be forfeited and acceptance of his tender withdrawn. If only a part of the work included in the tender had been awarded to the tenderer, the amount of Earnest Money to be forfeited will be based on the value of the contract so awarded.
- 16. The Bharat Heavy Electricals Limited reserve the right to reject any or all the received or accept any tender or part thereof without assigning any reason thereof. In the case acceptance of part of tender, time for completion may also be reduced to the extent considered appropriate by the Accepting Authority.
- 17. Conditional and Unwitnessed tenders, tender containing absurd rates and amounts tenders which are incomplete or otherwise considered defective and tenders not in accordance with the tender conditions laid down by the Accepting Officer are liable to be rejected.
- 18. Tenders not submitted on the prescribed form are liable to be rejected
- 19. The work must be completed within a period as mentioned in Page No. 25.
- 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

GENERAL AND SPECIAL CONDITIONS OF CONTRACT

GENERAL CONDITIONS

1. No night work will be permitted without the written permission of the Engineer – in – charge.
2. Bulkage test on the sand to be used on the work should be conducted periodically to arrive at the correct quantity of sand to be mixed for the different proportions as and when required.
3. Items of work other than those mentioned in the Bill of Quantities (Tender Schedule) attached hereto will be carried out at the rates to be fixed by this organization as per relevant clauses of the General Conditions of Contract.
4. **The successful tenderer will have to make his own arrangements for water without any extra claims and water required for the work and drinking for the workmen shall be arranged by the successful tenderer.**
5. **The successful tenderer will have to make his own arrangements for Electrical energy without any extra claims and electrical energy required for the work and for other purposes shall be arranged by the successful tenderer. The successful tenderer shall make leak proof / fire proof shed and provide control panel board of required capacity and lay the required cables at their own cost for further distribution to other required area of work.**
6. **The successful tenderer 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.**
7. Permission for erection of temporary work sheds etc., at site will have to be obtained from BHEL – PEFP Project Site Engineer-in-charge in writing in advance.
8. The works contract to be entered into with the successful tenderer will be governed by the BHEL revised General Conditions of Contract in force.
9. The successful tenderer / Contractor shall observe all safety regulations and take necessary safety precaution as called for under the “BHEL General Conditions of Contract and Safety Precautions” enclosed herewith.
10. In all matters of dispute, the decision of the General Manager, Bharat Heavy Electricals Ltd., Tiruchirappalli – 620 014. shall be final and binding on the tenderer / contractor.
11. Some changes are likely in the quantities furnished as well as in the layout, design and specifications of the work. The rate quoted shall be deemed to be inclusive of all such contingencies.
12. All the materials to be used in the work and nature of work shall conform to respective TNBP, IS and National Buildings Organisation Standard Specifications and shall be got approved by the Engineer – in – charge before actual incorporation in the work

SPECIAL CONDITIONS

1. The Contractor should maintain proper accounts of cement, MS rods / CTD bars, structural steel sections and other materials if any supplied by this organization and these should be available at the site of the work for verification and check by the official of this organization at any time.
2. 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
3. The Manager / Civil or his duly authorized representative shall have all reasonable times access to Contractor's premises of work and shall have the power at all the reasonable times to inspect and test any portion of the work or examine the materials and workmanship of the structures during their manufacture and test. The contractor shall give due notice in writing to the Inspecting Engineer of BHEL when the materials supplied to be incorporated in the work are ready for Inspection and test. No material shall be incorporated in the work until the inspecting Engineer certified in writing that such materials have been inspected and approved by him.
4. The Contractor shall closely scrutinize all the drawings issued in connection with the work by this organization and bring to the notice of the Engineer-in-charge if any discrepancies, omissions in the drawings before undertaking the actual work pertaining thereto.
5. The contractor should submit in advance every fortnight a detailed programme of work to be undertaken from time to time strictly in conformities with the "Time and Progress Chart" covering the entire constructed work and reschedule them wherever necessary during the progress of the work so as to achieve the target set. Periodical progress reports of every fortnight should also be furnished by the Contractor and other relevant information as asked for by the Engineer-in-charge and other BHEL Officers-in-charge of the work.
6. 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.

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 finalization of the subject tender irrespective of the status of the subject bidder in that tender. Such bidders will not be permitted to participate in the further tender proceedings and will be communicated suitably. They will not be also considered for any on-going tenders even if participated till the hold is officially lifted and confirmed in writing.

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.

Terms and conditions regarding cement, reinforcement steel and structural steel

The tender value includes cost of cement, reinforcement steel & structural steel but excludes service tax.

Supply of materials like cement, reinforcement steel, structural steel, etc. are also included in the scope of the contractor.

The supply of cement, reinforcement steel and structural steel for the works by the tenderer should meet the minimum requirements as stipulated in the relevant IS codes.

Cement:

Ordinary Portland cement 43 grade meeting the requirements as per IS 8112 -1998 or latest specifications shall be supplied and used in the works after getting approval from the Site Engineer-in-charge.

Recommended Brand: ACC / Ultratech / Birla cement / Ambuja cement

The recommended brand also should meet the IS requirements. The supply should accompany the Test Certificates meeting out the IS requirements. If warranted, the Site Engineer-in-charge may require to retest the cement at any point of time to verify the strength at the contractor's risk and cost. The contractor should plan and store the cement in standard manner and such a way and to meet the site requirement.

The cement consumption / adequacy is furnished as annexure in the tender document. The adequacy provided is inclusive of all wastages. The contractor is expected to use the exact requirement of cement in order to maintain the quality of work and required strength of the cement product / work. The allowance for wastage of cement shall be taken care in the quoted rates for the items provided in the BOQ.

Reinforcement steel and Structural steel:

Reinforcement steel meeting the minimum requirements as per IS 1786 in straight lengths except 6mm rod which is of mild steel (as per IS 432 – Part I) Fe 415 / Fe 500 grade shall be supplied and used in the works after getting approval from the Site Engineer-in-charge.

The allowance on invisible wastage for cutting and scrap should be taken care by the contractor in the quoted rate and the exact measurements of the reinforcements incorporated into the works only will be accounted and billed for payment.

All Structural steel like angle, channels, beams, gusset plates, web plates, etc. meeting the minimum requirements as per IS 2062 Grade - E250 A/B/C shall be supplied and used in the fabrication after getting approval from the Site Engineer-in-charge.

The contractor has to submit the Drawing Office Dispatch List for the structural steel consumed in the fabrication and erection works separately and the payment will be made for the quantum of work done as per Drawing Office Dispatch List only. The allowance on invisible wastage for cutting and scrap should be taken care by the contractor in the quoted rate.

The quoted rate shall include all such contingencies. However, the contractor is expected to maintain proper accounts for material tallying.

Recommended Brand: SAIL / RINL / JSPL / TISCO / ESSAR Steel / ISPAT

The recommended brand also should meet the IS requirements. The supply should accompany the Test Certificates meeting out the IS requirements. If warranted, the Site Engineer-in-charge may require to conduct the test at any point of time to verify the strength at the contractor's risk and cost.

The contractor should store all the materials brought inside the BHEL – PEFP Project site / complex for the works in proper stock yard to handle them in an easy manner and safe custody of contractor. BHEL will not be responsible for any loss / theft of contractors' material brought for the works.

The contractor should maintain proper accounts for cement, reinforcement steel and structural steel sections and other materials and these should be available at the site of work for verification and check by the Officials of this Organization at any time.

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 BHEL or Third Party Agency as fixed by BHEL.

The contractor should use only the materials of brand and quality as approved by BHEL.

All materials and consumables brought by the contractor should have manufacturer's Test certificates.

For the materials supplied to BHEL works, all taxes including increase / revision in taxes (except service tax) shall be absorbed by the contractor. No extra claim on this account will be entertained. The quoted rate shall include all such contingencies

NOTE:

No advance / mobilization advance will be given and the part-payment or advance for raw materials brought by the successful tenderer will not be paid. The payment for the finished items of works only will be paid after incorporating the required raw materials into the work, if any.

GENERAL SAFETY PRECAUTIONS TO BE FOLLOWED AT WORK SITE DURING EXECUTION

The following safety measures should be strictly adhered to during execution of works at sites.

1. Providing the working platform with toe board and handrail for continuous working at heights.
2. Providing safety belt and life line at all times for men working at heights.
3. Providing dust or fume respirator in places where dust and fume concentration exists.
4. Providing goggles and welding screens.
5. Providing acid and alkali proof rubber gloves for handling acid and alkali and chemical which are corrosive.
6. Providing rubber gloves for working on electrical works.
7. Ensuring proper lashing of the components while being transported in vehicles.
8. The vehicles must have side supports or have body to support the materials conveyed.
9. The materials should not be allowed to extend or overflow the sides of the vehicles.
10. Materials should not be allowed to overhang from the rear edge of the body of the vehicle.
11. Driver of the vehicle must possess license.
12. Vehicle must not be overloaded prescribed limits.
13. Red flags and lights for parts projecting from the body of vehicle must be provided.
14. The speed restrictions within the factory premises must be strictly adhered to.
15. The gas cylinders must be always handled on trolleys or kept tied down not in use. They should never be rolled as Roller for conveying.
16. Cylinders should not be used without regulators.
17. All excavations must be barricaded and red lamps must be provided.
18. All electrical connections must be properly earthed.
19. No work should be taken up for execution inside shop floor, without obtaining necessary work permit.
20. Providing helmet, safety belt, etc., for high level work and sufficient number of Industrial Safety nets at appropriate level to safeguard the persons working at high level particularly in trusses, girders, roofing etc., of industrial and high roof buildings.
21. The contractor should maintain a register regarding the driver license particulars.
22. All personal protective equipment conform with standard specification as per the details given in the code of conduct.

Contractor including their sub contractors, agents and labour engaged on the work are required to scrupulously adhere to the safety regulations, safety precautions and measures. Any violation thereof will invite punitive action being taken against them. Also contractors with frequent violations of safety regulations will not be entrusted with further work in this organization.

SAFETY PRECAUTIONS TO BE OBSERVED WHILE TRANSPORTING MATERIALS

I. VEHICLE

1. Vehicles carrying material should have proper registration documents and must be produced on demand by our Security Staff.
2. The light on right side, i.e., over the drivers cabin shall be in working condition.
3. Both the head lights as well as park lamps must be in working conditions.

II. MOVEMENT OF VEHICLE

1. The vehicle should not travel at more than 20 km.ph in our premises.
2. The Driver of the vehicle must possess heavy duty licence and produce on demand by the Security Staff.
3. Vehicles carrying inflammable liquids in the tank containers should have grounding chain or the tank should be coated with insulating material also to avoid Static Electricity.
4. In road junctions, speed breakers and railway crossing, the speed should be lowered and vehicle should proceed cautiously.
5. The driving should 'KEEP TO THE LEFT' at all places.
6. The vehicle should not be parked in road which could obstruct the vehicular traffic.
7. No person other than driver should be allowed to sit or stand on the prime mover or trailer.
8. The vehicle should pass only through the approved routes. Short cuts should be forbidden.
9. There must be a safe distance behind another moving truck.
10. The driver should avoid making quick starts, jerky stops or quick turns at excessive speed.

III SHIPPING

1. Strong side supports should be provided on both sides of the trailer. The side supports should be fixed in such a way that it cannot be removed even temporarily.
2. Adequate packing must be given for easy slinging operation. The packing materials should be good enough to withstand the load.
3. The stacking of loads in the truck should be evenly placed. The load should not be heaped together or dumped over the chassis.
4. The loaded materials should be fastened tightly with 'WIRE ROPE'. Manila rope or coir rope should not at all be used. There must be side packing such as gunny or rubber tyre between the sharp edge of the job and wire rope in order to avoid cut in the wire rope.
5. There must be minimum two fastenings and it should be more in case of lengthier loads.
6. The wire rope should be in sound conditions i.e, there should not be links, knots or bristles etc.,
7. The wire rope ends should be clamped with 'U' clamps.
8. The load on the truck should not be beyond its standard capacity. The carrying capacity must be clearly marked on the trailer also.
9. The loose pieces should be bundled before loading on the truck.
10. There must be red flags or red lamps for the lengthy loads which extend beyond chassis.
11. The load should not be over hanging more than 3 ft. from the end of the body.
12. The materials should not be stacked too high to avoid hitting against live electric lines.
13. While transporting the scraps, there must be wire knitting cover to prevent falling of scrap.

IV GENERAL

The vehicles should not be moved directly inside the production building in case the materials are to be unloaded there. But the vehicle should be parked outside the building and the driver should ascertain the passage as well as the unloading points with the help of shop officials. This will avoid the congestion of blocking of traffic in the gangway.

TERMS AND CONDITIONS REGARDING COMPLIANCE WITH VARIOUS LABOUR LAWS BY THE CONTRACTORS FOR BHEL

1. The Contractor shall not employ in connection with the work any person who has not completed 18 years of age.

2. The Contractor shall in respect of labour employed by him either directly or through subcontractors, comply with or cause to be complied with the following statutory provisions and rules and in regard to all matters provided therein.

- a) The Contract Labour (Regulation & Abolition) Act 1970 and the related Maharashtra State Rules.
- b) The Minimum Wages Act 1948 and the related Maharashtra State Rules.
- c) The Payment of Wages Act 1936 and the related Maharashtra State Rules.
- d) The Factories Act 1948 and the related Maharashtra State Rules.
- e) The Employee's Provident Fund & Miscellaneous Provisions Act 1952.
- f) The Employees State Insurance Act 1948.
- g) The Workmen Compensation Act 1923.
- h) The Industrial Disputes Act 1947.
- i) **The Payment of Bonus Act 1965.**
- j) **BOCW Act.** 1996 and rules of 1998, etc.

and any other law or modifications to the above or to the Rules made thereunder from time to time.

REGISTRATION AND LICENSING

3. Every Contractor shall register his name with the Welfare Section of BHEL - PEFP Project site before taking up the work awarded to him by giving the following information and getting a Code Number :

- a) The Name of the Contractor
- b) Nature of Contract Work
- c) Period of work
- d) Number of maximum labour employed by him on any one day
- e) License No. & Date (Applicable in case of contractor employing 20 or more workers)
- f) Whether enrolled for PF, ESI, etc., and enrolment No.

If ESI is not applicable to the work site, the tenderer has to cover his all workmen including supervisors and executives with contractor's all risk insurance policies.

This information is called for, for the purpose of informing the Inspectorate of Factories whenever they call for information regarding contracts.

4. The Contractor employing 20 or more workmen is required to obtain license from the authorities (The Deputy Chief Inspector of Factories / Assistant Commissioner of Labour as the case may be). The license shall be amended and / or renewed wherever, there is an increase in the workmen employed by him or in the event of contract being extended or renewed. The Contractor shall inform the licence number to the BHEL Management before taking up the work.

5. The Contractor (Licensed or unlicensed) shall promptly furnish every information and document required by BHEL authorities for the purpose of fulfilling their obligations as Principal Employer and / or Occupier of the Factory and shall render all necessary assistance for the same.

WAGES

6. The tenderer has to ensure payment of Minimum Wages as per Maharashtra State Minimum Wages including its periodical revision as applicable under law from time to time.

The labourers engaged in this contract shall be paid additional payment as mentioned below in addition to the payment of Minimum wages as stated above.

- | | |
|--------------------------------|--------------------|
| a) Unskilled Worker | Rs. 2000 per month |
| b) Semi-skilled Worker | Rs. 2300 per month |
| c) Skilled Worker / Supervisor | Rs. 2500 per month |

Also the labourers shall be paid a minimum bonus which shall be 8.33% as per the payment of Bonus Act 1965 for the total wages paid (i.e) Payment of minimum wages and additional payment as mentioned above.

The Contractor shall have to remit EPF & ESI contributions at the rates applicable under law to the authorities concerned for the total wages paid (i.e) Payment of minimum wages and additional payment as mentioned above.

If ESI is not applicable to the work site, the tenderer has to cover his all workmen including supervisors and executives with contractor's all risk insurance policies.

7. The Contractor shall fix wage periods in respect of which wages shall be payable. No wage period shall exceed one month.

8. The Contractor shall ensure payment of wages to the contract labour employed by him within three days from the end of wage period in case the wage period is one week or a fortnight and in all other cases before 10th day of the following month.

9. All Payment of wages shall be made on working days at the work site and during the working time and on date notified in advance. In case the work is completed before the expiry of the wage period final payment shall be made within 48 hours of the last working day.

10. Where the employment of any worker is terminated by or on behalf of the Contractor, the wages earned by him shall be paid before the expiry of the second working day from the day on which his employment is terminated.

11. Wages due to every worker shall be paid to him direct or to the person authorized by him in this behalf. All wages shall be paid in current coin or currency in both.

12. The Contractor shall ensure the disbursement of wages in the presence of such authorized representative of BHEL Management.

13. The above payment shall be verified by the authorized officer / representative of BHEL with the following certificate of the payment sheet "Certified that the amount shown in Column No..... has been paid to the workmen concerned in my presence onat....."

14. A certificate of payment shall be furnished in duplicate by the Contractor to the Engineer in charge each month in Form 'A'.

15. A notice showing the wage period and the place and time of disbursement of wages shall be displayed at the place of work and a copy to be sent to the Welfare Department by the Contractor under acknowledgement.

16. Notices showing the rate of wages, weekly rest days, hours of work, wage period, date of payment of wages, names and addresses of the Inspector having jurisdiction, the date of unpaid wages shall be displayed in Tamil and English in conspicuous places at the establishment and at work site by the Contractor. The Contractor shall inform the BHEL Management every month the details of contract labour engaged for contract in this following form :

- a) Serial Number
- b) Location
- c) Period of work
- d) No. of contract labour engaged during the month
- e) No. of days worked
- f) No. of men worked
- g) Wages paid to workers

The above statement shall be furnished to BHEL Management at the end of every month.

REGISTERS AND RECORDS AND COLLECTION OF STATISTICS

17. The following documents / formats under Contract Labour (Regulation & Abolition) Act 1970 and Maharashtra State Government Rules thereunder shall be maintained by each contractor.

- a) Register of persons employed by the Contractor
- b) Employment Card
- c) Service Certificate
- d) Muster Roll, Wage Register, Deduction Register, Wage slip, Overtime Register, Register of Fines, Register of Advances etc.,

18. The Contractor shall display the abstract of the Contract Labour (Regulation&Abolition) Act and the Rules thereunder both in English and Tamil.

19. Half yearly Return shall be sent by the Contractor in duplicate to the Licensing Officer.

20. The Contractor shall submit the returns required under the Contract Labour (Regulation & Abolition) Act 1970 periodically to BHEL Management.

21. The Contractor shall without fail give upto date information in writing of the attendance of the workers employed by him.

22. The Contractor shall ensure that his workers keep and produce their Employment Card when coming to duty and take them back when leaving duty.

23. All the above registers and records shall be preserved in original for a period of three years. All the registers, records and notice maintained under the Act and rules shall be produced on demand by Inspector or any authority under the Act.

WORKING HOURS AND WORKING CONDITIONS

24. No worker shall be required or allowed to work on Sunday unless he has or will have a holiday on anyone of the three days before or after the said day.

25. The Contractor shall inform BHEL Management in the prescribed form details of the contract workers scheduled to work on Sunday, the day of rest and also indicate the substituted holiday in lieu thereof. This shall be intimated two days in advance before his workmen are booked for work on Sunday.

26. The contract labour working for more than nine hours in any day or for more than 48 hours in any week shall be paid wages at the rate of twice the ordinary rate of wages in accordance with the provisions of Sections 59 of the Factories Act 1948.

27. The Contractor shall provide all safety devices and personal protective equipment to his workmen at his own cost and shall ensure that his workmen wear / use such devices or equipment provided to them while doing the work and there should not be any relaxation on this.

28. The Contractor shall give four paid National Holidays to his workers, viz., 26th January, 1st May, 15th August and 2nd October.

29. The Contractor shall ensure that his workmen vacate the premises after the shift is over.

30. The Contractor shall give leave with wages to his workmen who have worked for a period of 240 days or more in the Factory premises during a calendar year. This leave shall be allowed during the subsequent calendar year at the rate of one day for every 20 days of work performed by the worker during the previous calendar year. The worker whose services commences on a day other than the first of January shall be entitled to leave with wages at the above rate (One day for every 20 days of work) only if he had worked for a minimum of 2 / 3 of the total number of days in the remainder of the calendar year. This leave will be admissible only during the subsequent calendar year.

31. No woman worker shall be required or allowed to work in the Factory except between the hours of 6.00 A.M. and 7.00 P.M.

32. The Contractor shall comply with the provisions relating to Welfare and Health facilities as provided in the Contract Labour (Regulation and Abolition) Act 1970 read with the Maharashtra State Governments' Contract Labour Rules, if any.

NOTICE OF ACCIDENTS

33. Notwithstanding anything contrary to this, in the event of accident the contractor shall be required to fill injury report and submit the Engineer in charge immediately and ensure the compliances of ESI / Workmen's compensation Act, Factories Act and Rules made thereunder. He shall also maintain a register of accident as per the Act.

34. The Contractor shall get the contract labour engaged by him insured under Workmen's Compensation policy from General Insurance Corporation of India before actually starting the work of contract. The insurance coverage should be for the entire period of Contract. The Contract shall comply with the provisions of the Workmen's Compensation Act 1923. (This should be read in conjunction with the provisions of ESI Act)

COVERAGE UNDER THE ESI ACT / PF AND MISCELLANEOUS PROVISIONS ACT

35. The contractor shall ensure that all his workmen are covered under the Employee's State Insurance Act and produce to BHEL such Registration Number / Enrolment Number before executing the contract work.

If ESI is not applicable to the work site, the tenderer has to cover his all workmen including supervisors and executives with contractor's all risk insurance policies.

36. The Contractor shall regularly pay the amount of contribution. i.e., employer's contributions as well as employees' contribution pursuant of the above scheme as fixed from time to time. The Contribution payable presently is 1.75% wages to be recovered from his workmen and 4.75% of wages to be contributed by the Contractor. Contributions recovered from employee and contribution made by the contractor may be rounded to the next higher multiples of five paise.

37. The Contractor shall take note of any amendment that may be brought forth in the above contribution rate and act accordingly.

38. The contractor shall ensure that his workmen are covered under the EPF & Miscellaneous Provisions Act 1952 and accordingly produce to the BHEL Management the registration / enrolment number before awarding of contract work. As per the existing provisions every worker shall be entitled and required to become a member of the fund. The employee's contribution payable at present is 12% of wages which will be recovered by the contractor from the wages of his workmen and the contractor should pay equal contribution. The contractor is also liable to pay any administrative charges in this behalf that may be decided from time to time. It will be the responsibility of the contractor to ensure such contribution payable in respect of workmen employed through sub-contractors also.
39. The Contractor shall take note of any amendment in the rate of contribution payable under the scheme from time to time.
40. The Contractor shall within seven days of the close of every month submit to BHEL a statement showing the amount of contribution payable / paid for employees engaged by him or through him and shall also furnish to BHEL such information as Principal Employer is required to furnish under the provisions of the ESI Act and PF as well as the schemes made thereunder to the authorities concerned.
41. Whenever any sum of money is found to be recoverable from or payable by the contractor under the above Act, the sum shall be deducted from any sum that may be due or which at any time thereafter may become due to the Contractor under this contract or under any other contract or from his security deposit. In case the recoveries are not sufficient to satisfy the claim, the contractor shall pay the balance thereof on demand. In case any recoveries are made under this clause from security deposit, the contractor shall immediately thereafter pay such further sums as may be required to replenish the shortage caused by such recoveries in amount of security deposit.
42. The Contractor shall abide by all the labour and other laws applicable to contract labour / worker under this contract and shall at all times keep BHEL indemnified against all loses, claims, prosecutions under any law.
43. In case of non-compliance of any of the provisions of the Acts and in case BHEL having complied with the same, BHEL will be entitled to recover the same from the contractor / sub-contractor.
44. Non-exercise of any of the powers or rights available to BHEL hereunder or under any law, shall not in any way operate as waiver thereof.

Note : The Specimen forms for the following are available in BHEL.

- | | | | |
|----|-----------|---|--|
| 1) | Form 'A' | - | Payment Certificate |
| 2) | Form IV | - | Application for License |
| 3) | Form XIII | - | Register of Workmen employed by contractor |
| 4) | Form XIV | - | Employment Card |
| 5) | Form XV | - | Service Certificate |
| 6) | Form XVI | - | Muster Roll |
| 7) | Form XVII | - | Register of wages |
| 8) | Form XIX | - | Wage slip. |

BHEL APPROVED BRANDS FOR THE FOLLOWING MATERIALS / ITEMS

Sl.No.	Material	Manufacturing Co.	Brand
1.	Synthetic Enamel Paint	Asian Berger ICI	Apcolite Luxol Dulux gloss
2.	Aluminium Paint	Berger	Berger Aluminium
3.	Interior Emulsion	Asian Berger ICI	Royale Luxol Silk Supercote
4.	Exterior Emulsion	Asian ICI	ACE Supercote
5.	Distemper	Asian Berger ICI	Tractor Bison Maxilite
6.	Cement Paint	Snowcem Agsarcem	Snowcem Agsarcem
7.	A.C. Sheets	Everest India Ltd. Hyderabad India Ltd. Visaka Industries Ltd. Ramco	Everest I Charminar Visaka Ramco
8.	G.I. Pipes	TATA Zenith TNT	TATA Zenith TNT
9.	PVC Pipes	Avonplast Finolex Truebore Vignesh	Avonplast Finolex Truebore Vignesh
10	Ordinary Portland Cement		ACC / Ultratech / Birla cement / Ambuja cement
11	Reinforcement steel and structural steel		SAIL / RINL / JSPL / TISCO / ESSAR Steel / ISPAT

SCHEDULE 'A'

LIST OF WORKS AND PRICES

NAME OF WORK:

Providing foundation, periphery wall, production shop flooring, cable trenches, machine foundations, Construction of Structural Steel sheds, Compact Sub – station & toilet blocks in the production shop floors for the Power Equipment Fabrication Plant near Sakoli, Bhandara district in Maharashtra State.

DETAILS & QUANTITIES of each item of work shown in the BILL OF QUANTITIES are only approximate and the same is attached as a separate excel file. 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) Rs. Ps.	Period of contract
1.	Providing foundation, periphery wall, production shop flooring, cable trenches, machine foundations, Construction of Structural Steel sheds, Compact Sub-station & toilet blocks in the production shop floors for the Power Equipment Fabrication Plant near Sakoli, Bhandara district in Maharashtra State.	2465,00,000/-	TWELVE (12) MONTHS

BILL OF QUANTITIES

Sl. No.	Appx. Qty.	Description of work	TNBP No.	Rate (Both in Unit fig & Words	Amount Rs. Ps.
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AS PER SEPARATE SHEETS ATTACHED CONTAINING 31 PAGES.

FROM Page No. 47 to 77.

BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPALLI -14

BILL OF QUANTITIES

NAME OF WORK: Providing foundation, periphery wall, production shop flooring, cable trenches, machine foundations, Construction of Structural Steel sheds, Compact Sub – station & toilet blocks in the production shop floors for the Power Equipment Fabrication Plant near Sakoli, Bhandara district in Maharashtra State.

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
1	560.00	Hire charges for engaging earth moving machinery (Hydraulic Excavator) to attend to channeling works ,cleaning the areas including uprooting thorny plants/heavy jungles/trees etc., of all heights and leveling the areas thereafter including all debris etc., all as per instructions of Engineer-in-charge. Rate includes hire, fuel, operation charges, to and fro charges for machinery, all labour and all other incidentals etc., complete.		Hour	
2	60000.00	Conveyance of earth by mechanical means, including loading, transporting, unloading as approved by Engineer-in-charge, beyond 50 metres initial lead for all leads including all lifts involved.		Cu.m.	
3	30000.00	Banking excavated earth in layers not exceeding 20 cm. in depth, breaking clods, watering, rolling each layer with ½ tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up, in embankments for roads, flood banks, marginal banks, and guide banks etc. All kinds of soil.		Cu.m.	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
4	21725.00	Earthwork excavation (TRENCHES) in soils given below by mechanical means (Hydraulic excavator)/manual means and depositing the excavated earth at suitable places within the initial lead of 50 meter and initial lift of 1.5 meter for foundation in building works, roads, narrow drains, sewers, bridges, pipe lines etc., sectioning the subgrade to proper level and grade, watering and consolidating the subgrade to receive concrete bed, all as per standard specifications and instructions of Engineer-in-charge. Rate also includes bailing or pumping out water during excavation due to subsoil water, rain etc. All kinds of soils except rock.		Cu.m.	
5	2000.00	Earthwork excavation (TRENCHES) in soils given below by mechanical means (Hydraulic excavator)/manual means and depositing the excavated earth at suitable places within the initial lead of 50 meter and initial lift of 1.5 meter for foundation in building works, roads, narrow drains, sewers, bridges, pipe lines etc., sectioning the subgrade to proper level and grade, watering and consolidating the subgrade to receive concrete bed, all as per standard specifications and instructions of Engineer-in-charge. Rate also includes bailing or pumping out water during excavation due to subsoil water, rain etc. Ordinary rock.		Cu.m.	
6	2000.00	Earthwork excavation (TRENCHES) in soils given below by mechanical means (Hydraulic excavator)/manual means and depositing the excavated earth at suitable places within the initial lead of 50 meter and initial lift of 1.5 meter for foundation in building works, roads, narrow drains, sewers, bridges, pipe lines etc., sectioning the subgrade to proper level and grade, watering and consolidating the subgrade to receive concrete bed, all as per standard specifications and instructions of Engineer-in-charge. Rate also includes bailing or pumping out water during excavation due to subsoil water, rain etc. Hard Rock(Requiring blasting)		Cu.m.	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
7	6820.00	Extra for every additional lift of 1.5 metre or part thereof in : All kinds of soil excluding rock.		Cu.m.	
8	100.00	Extra for every additional lift of 1.5 metre or part thereof in : Ordinary or hard rock		Cu.m.	
9	250.00	Earthwork excavation (TRENCHES) in soils given below by mechanical means (Hydraulic excavator)/manual means and depositing the excavated earth at suitable places within the initial lead of 50 meter and initial lift of 1.5 meter for foundation in building works, roads, narrow drains, sewers, bridges, pipe lines etc., sectioning the subgrade to proper level and grade, watering and consolidating the subgrade to receive concrete bed, all as per standard specifications and instructions of Engineer-in-charge. Breaking RCC / Hard rock by rock splitter.		Cu.m.	
10	4660.00	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.		Cu.m.	
11	255.00	Supplying and filling in plinth with river sand under floors, including watering, ramming, consolidating and dressing complete.		Cu.m.	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
12	10.00	Providing and laying in position plain 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)		Cu.m.	
13	10.00	Providing and laying in position plain 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 40 mm nominal size).		Cu.m.	
14	5500.00	Providing and laying in position plain cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 cement : 4 fine sand : 8 graded stone aggregate 40 mm nominal size)		Cu.m.	
15	700.00	Providing and laying damp-proof course 40mm thick with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).		Sq.m.	
16	4000.00	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 : 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)		Cu.m.	
17	10.00	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)		Cu.m.	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
18	9600.00	Flooring with reinforced cement concrete of mix 1:2:4 using 20 mm nominal size hard broken granite stone jelly for thickness varying from 100 to 500 mm laid in panels not exceeding 6 x 30 m between expansion joints, including necessary vibration using needle / board / screed vibrators, all as required including necessary shuttering, painting the sides with bitumen, but excluding fabrication charges for reinforcement, all as per standard specifications. Cement Consumption : 320 Kg/Cum		Cu.m.	
19	250.00	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. upto +6.0m from FFL excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)		Cu.m.	
20	10.00	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. upto +6.0m from FFL excluding cost of centering, shuttering, finishing and reinforcement : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).		Cu.m.	
21	10.00	Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards up to (+) 6.0m from FFL level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		Cu.m.	

CONTRACTOR

51

ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
22	10.00	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/Cu.m.. Excess/less cement used as per design mix is payable/recoverable separately). All works upto plinth level.		Cu.m.	
23	10.00	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/Cu.m.. Excess/less cement used as per design mix is payable/recoverable separately). All works above plinth level upto +6m from FFL.		Cu.m.	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
24	4075.00	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete from (-)3.5 m from to (+).0m from FFL.		Sq.m.	
25	885.00	Centering and shuttering including strutting, propping etc. and removal of form for : Walls (any thickness) including attached pilasters, buttersesses, plinth and string courses etc upto (-) 1.50m from FFL.		Sq.m.	
26	918.00	Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform upto (+)6m from FFL.		Sq.m.	
27	10.00	Centering and shuttering including strutting, propping etc. and removal of form for : Shelves (Cast in situ) upto (+)6m from FFL.		Sq.m.	
28	2390.00	Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers upto (+)6m from FFL.		Sq.m.	
29	255.00	Centering and shuttering including strutting, propping etc. and removal of form for : Columns, Pillars, Piers, Abutments, Posts and Struts upto (+)6m from FFL.		Sq.m.	
30	200.00	Centering and shuttering including strutting, propping etc. and removal of form for :Pockets or holes in foundations for holding down bolts.		Sq.m.	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
31	10.00	Centering and shuttering including strutting, propping etc. and removal of form for : Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards upto (+)6m from FFL.		Sq.m.	
32	230.00	Providing, transporting, hoisting and fixing precast reinforced cement concrete in Cover Slab for Trenches, including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but excluding the cost of reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).		Cu.m.	
33	2200.00	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia mild steel wire including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits upto (+) 4.5m from FFL. 50 mm thick.		Sq.m.	
34	700000.00	Supplying and Providing steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete from (-)3.5m to (+) 6m level. Cold twisted bars/Thermo Mechanically Treated Bars.		Kg	
35	1720.00	Providing and filling in position bitumen mix filler of Proportion 80 kg. of hot bitumen, 1 kg. of cement and 0.25 cubicmetre of coarse sand for expansion joints.		per cm depth per cm width per 100m	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
36	2420.00	Providing and fixing in position 12mm thick bitumen impregnated fibre board conforming to IS: 1838 including cost of primer, sealing compound in expansion joints.		per cm depth per 100m	
37	1400.00	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to (+)6m from FFL in all shapes and sizes in : Cement mortar 1:5 (1 cement : 5 coarse sand)		Cu.m.	
38	900.00	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) upto plinth level with :Cement mortar 1:6 (1 cement : 6 coarse sand).		Cu.m.	
39	410.00	Providing weathering course on top of roof slab with 20mm size brick jelly and pure lime (no sand) in the proportion of 32 : 12.5 to the required thickness, well beaten with wooden battens, so as to secure adequate slope, all as per standard specifications and instructions of Engineer-in-charge.		Cu.m.	
40	30.00	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade Area of slab over 0.50 Sq.m.		Sq.m.	

CONTRACTOR

55

ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
41	580.00	Providing, laying and finishing the top of floor with the following best quality slabs of required sizes over a bed of cement slurry @ 4.40 Kg/SQ.M. and a backing layer of cement mortar 1:4, 20 mm (average) thick, finished with flush pointing in white cement using appropriate colour pigment including rubbing and polishing wherever necessary etc. complete, all as per instructions of Engineer in charge and standard specifications. Granite slabs 16 to 18 mm thick, polished - Sweet Green colour/Red (Gem) colour. Cement Consumption: 13.51Kg/Sq.m.		Sq.m.	
42	24.00	Providing and fixing stone slab table rubbed, edges rounded and polished of size 75x50 cm deep and 1.8 cm thick fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth. White Agaria Marble Stone.		Sq.m.	
43	0.093	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). Second class teak wood		Cu.m.	
44	25.00	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick :Veneered flat pressed three layer or graded wood particle board with commercial veneering on both sides conforming to IS:3097, grade I.		Sq.m.	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
45	45.00	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws		Sq.m.	
46	21.00	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm) with double speed adjustment with necessary accessories and screws etc. complete.		Each	
47	45.00	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete : 125 x 65 x 2.12 mm		Each	
48	7.00	Providing and fixing 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 : 300x10 mm		Each	
49	70.00	Providing and fixing 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 : 150x10 mm		Each	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
50	24.00	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete. Twin rubber stopper		Each	
51	54.00	Providing and fixing PTMT handles with necessary screws etc. complete. 125x34x24 mm weighing not less than 23 gms.		Each	
52	81.00	Providing and fixing PTMT Butt hinges with necessary screws etc. complete. 75x60x10 mm fitted with 5.5 mm dia M.S. Bright Bar Rod weighing not less than 34 gms.		Each	
53	80.00	Providing and fixing PTMT Tower Bolts with 12 mm one piece rod inside and necessary screws etc., complete. 152x42x18 mm weighing not less than 60 gms.		Each	
54	21.00	Providing and fixing bright finished 100mm mortice lock with 6 levers without pair of handles for aluminium door with necessary screws etc complete (Best make of approved quality) as per direction of Engineer-in-charge.		Each	
55	155.00	Providing and fixing factory made UPVC door frame made of UPVC extruded sections having an overall dimension as below (tolerance ± 1 mm), with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19mm and 1mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer-in-charge. Extruded section profile size 48x40 mm.		Metre	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
56	45.00	Providing and fixing to existing door frames. 25mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mm X 25mm or less as per requirement with an average wall thickness of 1mm (\pm 0.3mm). PVC foam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 25mm. An M.S. tube having dimensions 19mm x 19mm and 1.0 mm (\pm 0.1mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25MM X 11MM. Door shutter shall be reinforced with special polymeric reinforcements as per manufactures' specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places.		Sq.m.	
57	190000.00	Supplying and Providing Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, inserts Plate, frame for cover slab, rebate angle, foundation bolt, etc including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer and two coats of synthetic enamel paint all complete:		Kg	
58	23700.00	Fixing foundation bolts and templates including nuts and washers complete. Bolts and templates will be supplied by BHEL or their other vendors.		Kg	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
59	445.00	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) 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 Sq.m. including pointing in white cement mixed with pigment of matching shade complete.		Sq.m.	
60	10.00	Providing and laying vitrified floor tiles of Size 600mmX600mm (thickness to be specified by the manufacturer) with water absorption 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.		Sq.m.	
61	490.00	Providing and laying pressed clay tiles (as per approved pattern 20 mm nominal thickness of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound laid over a bed of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete.		Sq.m.	
62	75.00	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.(i) Single socketed pipes. 110 mm diameter		Metre	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
63	400.00	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc. complete. (External work) Earth work excavation for trenches and refilling will be paid separately.		Metre	
64	7.00	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Coupler 110 mm.		Each	
65	7.00	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Shoe (Plain) 110 mm .		Each	
66	7.00	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Bend 87.5° 110 mm bend.		Each	
67	15450.00	12 mm cement plaster of mix : 1:5 (1 cement: 5 fine sand). Cement Consumprion:4.47 Kg/Sq.m.		Sq.m.	
68	1500.00	6 mm cement plaster of mix : 1:3 (1 cement: 3 fine sand)		Sq.m.	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
69	6900.00	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 Sq.m.)		Sq.m.	
70	150.00	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer.		Sq.m.	
71	2635.00	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work.		Sq.m.	
72	6400.00	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade: Two or more coats on new work.		Sq.m.	
73	715.00	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work.		Sq.m.	
74	10.00	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)		Cu.m.	

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
75	10.00	Dismantling / removing / demolishing as the case may be of the following by manually/mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the near by low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. RCC or PCC (Using jack hammer for pockets / cable trenches / industrial heavy duty flooring)		Cu.m.	
76	120.00	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.		Cu.m.	
77	10000.00	Supplying and stacking at site. Good earth.		Cu.m.	
78	500.00	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30		Cu.m.	

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
79	11.00	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, including flush pipe, 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	
80	4.00	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid.		Each	
81	24.00	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern.		Each	

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
82	10.00	Providing, laying and finishing the top of counter wash basin with best quality granite slab of 18 to 20 mm thick over a bedding layer of CM 1:3, 25mm thick finished with flush pointing in white cement using appropriate colour pigment etc. Rate shall include cutting charges for the required shape, cutting oval shape holes for fixing wash basins, providing holes for fixing tap, nosing and edge polishing etc., complete and all as per standard specifications and instructions of Engineer-in-charge. Steel Grey / P.White. Cement Consumption 12.75 Kg/Sq.m.		Sq.m.	
83	21.00	Supplying at site of work, carrying and fixing in position of White Glazed Earthen Ware Wash hand basin of oval shape of approved make and quality with necessary fixing arrangements. Rate includes cost of wash basin, labour for carrying and fixing and all other incidental charges etc. complete. All as per the instructions of Engineer-in-charge.		Each	
84	21.00	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 32mm dia		Each	
85	21.00	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.		Each	
86	15.00	Providing and fixing toilet paper holder : C.P. brass		Each	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
87	15.00	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : Sand cast iron S&S as per IS - 3989, 100mm Inlet 75mm Outlet		Each	
88	12.00	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms		Each	
89	50.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. 50 mm nominal outer dia .Pipes.		Metre	
90	50.00	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 outer dia .Pipes.		Metre	
91	50.00	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. 100 mm nominal outer dia .Pipes.		Metre	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
92	225.00	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 15 mm dia. nominal bore		Metre	
93	180.00	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 20 mm dia. nominal bore		Metre	
94	350.00	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 25mm dia. nominal bore		Metre	
95	300.00	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 50 mm dia. nominal bore		Metre	
96	200.00	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 80 mm dia. nominal bore		Metre	

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
97	30.00	Providing and fixing brass bib cock of approved quality : 15 mm nominal bore		Each	
98	5.00	Providing and fixing brass stop cock of approved quality : 15 mm nominal bore		Each	
99	5.00	Providing and fixing brass stop cock of approved quality : 20 mm nominal bore		Each	
100	25.00	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 50 mm nominal bore.		Each	
101	20.00	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 80 mm nominal bore.		Each	
102	5.00	Providing and fixing in position of brass wheel valve / gate valve of approved brand with C.I wheel etc. complete. (ISI marked) 100mm Nominal Dia.		Each	
103	12.00	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet 150 mm diameter		Each	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
104	24.00	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore.		Each	
105	60.00	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. 300 mm dia. R.C.C. pipe		Metre	
106	350.00	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 450 mm dia. R.C.C. pipe		Metre	
107	1200.00	Providing and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings and clamps on walls & floors, including cutting and making good the walls & floors etc. complete. (Internal work - exposed on walls). 100 mm dia nominal bore.		Metre	
108	400.00	Providing and laying G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches. (External work) Earth work excavation for trenches and refilling will be paid separately. 150mm Nominal Dia		Metre	

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
109	800.00	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron).		Kg	
110	1040.00	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately). Powder coated aluminium (minimum thickness of powder coating 50 micron).		Kg	

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
111	185.00	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 4.0 mm thickness.		Sq.m.	
112	27.00	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg., for doors, including cost of cutting floors , embedding in floors as required and making good the same matching to the existing floor finishing 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 minimum 1.25 mm thickness.		Each	
113	24.00	Providing and fixing aluminium round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineerin-charge. Powder coated minimum thickness 50 micron aluminium		Each	
114	595.00	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).		Kg	

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
115	200.00	Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete : Serrated with central bulb (225 mm wide, 8-11 mm thick)		Metre	
116	7150.00	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in foundation pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.		Cu.m.	
117	20.00	Providing polyester sun control film of approved brand (GARWARE or equivalent) and shade to glazed panels in doors / windows / ventilators / partitions etc.with proper adhesive, all after removing the existing damaged film if available etc. complete. All as per instructions of Engineer in charge. Rate includes cost of all materials, scaffolding charges, labour, all other incidentals etc., complete. Non reflective Type - Regular grade		Sq.m.	
118	300.00	Supplying at site of work , hoisting and fixing in position of 0.47 to 0.50mm thick colour coated Aluminium zinc alloy coated high tensile steel rib profile sheets with accessories such as ridge pieces, barge boards, North light curves, end curves, etc., as per technical specifications given below for roofing at all heights up to (+) 24.00 metres with necessary xylon coated self tapping / self drilling screws with EPDM washers at every ribs, etc., complete .All as per drawings, manufacturers specifications and instructions of Engineer-in-charge .Rate includes cost of all materials like colour coated Aluminium zinc alloy coated high tensile steel rib profile sheets with accessories such as ridge		Sq.m.	

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
		pieces, barge boards, curves,etc., wherever required self tapping / self drilling screws with EPDM washers at every ribs etc., and labour charges for fixing, hire charges for tools and plants like drilling machines, providing lifeline and other provisions for safety, and all other incidental charges etc., complete. The payment will be made for the actual laid area only.			
119	80.00	Supplying at site of work , hoisting and fixing in position of 0.47 to 0.50mm thick colour coated Aluminium zinc alloy coated high tensile steel rib profile sheets with accessories such as ridge pieces, barge boards, curves, etc., as per technical specifications given below for side sheeting at all heights up to (+) 24.00 metres with necessary xylon coated self tapping / self drilling screws with EPDM washers at every valleys etc., complete .All as per drawings, manufacturers specifications and instructions of Engineer-in-charge .Rate includes cost of all materials like colour coated Aluminium zinc alloy coated high tensile steel rib profile sheets with accessories such as ridge pieces, barge boards, curves, self tapping / self drilling screws with EPDM washers at every valleys etc., and labour charges for fixing, hire charges for tools and plants like drilling machines, providing lifeline and other provisions for safety, and all other incidental charges etc., complete. The payment will be made for the actual laid area only.		Sq.m.	
120	45.00	Grouting the H.D bolts, underneath the base plates etc., after alignment with non-shrink high strength cementitious grout of such as Cera Grout 20/40 or Pidigrout 5M/10M or Flogrout 40/60 or Conbextra GP1/GP2 or any other equivalent grout, all as per instructions of Engineer in charge and as per standard specifications. Rate includes cost of non-shrink grout, cleaning the sleeves/pockets, tools, labour etc., complete.		Cu.m.	

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
121	50900.00	Floor finish with 40 mm thick granolithick flooring over the concrete base while it is wet for proper bonding, the bottom 25 mm thick consisting of one part of cement and one part of 6 mm gauge hard broken granite stone chips (the proportion being by volume) and the top 15 mm finished with hardening compound of proportion one part of hardonate (ironite or equivalent) four parts of cement and eight parts of 6 mm gauge blue granite stone chips (the proportion being by weight) including finishing and painting the sides with bitumen etc., complete, all as per standard specifications. Cement Consumption : 40Kg/Sq.m.		Sq.m.	
122		Drilling of holes for the following dia. in Industrial Reinforced cement concrete floor or in machine foundation using power drilling machines in proper manner to a maximum depth of 200mm as per std. specification and fixing the anchor bolts through the holes provided in the machine with the drilled holes in the shop floor as per the instructions of Engineer-in-charge. The quoted rate shall include all labour charges for drilling holes, hire and running charges for machineries, tools and plants, loading, leading, conveyance and other incidental charges for fixing anchor bolts, cleaning the debris, etc. complete.			
a)	1000.00	12mm dia. x upto 200mm deep.		Each	
b)	1000.00	16mm dia. x upto 200mm deep.		Each	

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
c)	1000.00	20mm dia. x upto 250mm deep.		Each	
d)	1000.00	24mm dia. x upto 250mm deep.		Each	
123		Drilling of holes for the following sizes in industrial concrete floor / machine foundations using power-drilling machine, grouting and anchoring of bolts as per standard specification and instructions of Engineer-in-charge. The scope of work includes supply of chemical grout like BOSLIK or any other approved brand , grouting in to the holes before fixing the bolts using mechanical gun and anchoring the bolts at proper position, level and alignment to the satisfaction of Engineer-in-charge. The rate quoted shall include cost of chemical grout and adhesives if any, labour charges for drilling by machine, cleaning the holes, chemical grouting with machine gun, fixing the bolts, finishing the surfaces, Hire charges for drilling machines, grouting machine gun, and other tools & plants required, loading , leading and other incidental charges etc.			
a)	600.00	12mm dia. bolt with 16mm dia hole of 200mm deep.		Each	
b)	600.00	16mm dia. bolt with 20mm dia hole of 200mm deep.		Each	

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
c)	400.00	20mm dia. bolt with 24mm dia hole of 200mm deep.		Each	
d)	400.00	24mm dia. bolt with 28mm dia hole of 200mm deep.		Each	
e)	140.00	30mm dia. bolt with 35mm dia hole of 350mm deep.		Each	
124	42.00	Supplying of R45 rails as per IS Specifications and fabrication with necessary plates, drilling holes(as per drawing) fixing in position with alignment in shop floor etc. complete all as per Instruction of Engineer in Charge. Rate quoted shall include cost of all materials including R45 Rail, required Plates, labour, all other Incidental charges, Power required for fabrication, hire charges for machinery etc. Complete		MT	
125		Supplying and fixing of approved (Bosch/Hilti) brands of anchor bolts of the following diameter and length at site of work.			
a)	500.00	12mm dia. x upto 200mm deep.		Each	
b)	2000.00	16mm dia. x upto 200mm deep.		Each	

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ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
c)	100.00	20mm dia. x upto 250mm deep.		Each	
d)	50.00	24mm dia. x upto 250mm deep.		Each	
NOTE	1	The Quoted Rate shall include the cost for the supply of all materials like cement, reinforcement steel, structural steel, rail, bolts and nuts etc and also the cost for wastage of cement, allowance on invisible wastage and scrap for reinforcement steel, structural steel, rail, bolts & nuts etc.			
	2	The adequacy of cement for DSR items provided in the bill of quantities shall be as per the coefficient for cement consumption given in CPWD DSR 2012(Refer Page No 389 to 323). And for Item Nos 18, 41, 67, 82 & 121 the cement adequacy is provided under the respective items.			
	3	All plain cement concrete items exclude the cost of centering & shuttering.			
	4	All reinforced cement concrete items exclude the cost of centering & shuttering and reinforcement steel.			
	5	The rate quoted shall not include service tax and BOCW Cess. However the service tax as applicable for this contract work and the same can be claimed from BHEL along with their monthly bills for further payment to be made to the authorities concerned. At present the rate of service tax is 4.944%. (Service tax + Edu. Cess+ Sec. Higher Edu. Cess). However the tenderer has to submit the service tax structure of applicability to their firm. The contractor has to submit the payment challan as a documentary proof of having paid the service tax for the previous bill for which he has received the service tax payment along with the subsequent bill for which payment has to be processed.			
			TOTAL	..	
(RUPEES ONLY)					

CONTRACTOR

77

ACCEPTING OFFICER

SCHEDULE 'B'

1. No materials will be issued FREE of cost to contractor at BHEL Stores / Stock yard.

SI.No.	DESCRIPTION	PLACE OF ISSUE
---	-----NIL-----	-----

SCHEDULE 'C'

ISSUE OF TOOLS AND PLANTS TO CONTRACTORS

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

SCHEDULE 'D'

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

SL.No.	DRAWING NUMBER	DESCRIPTION
1	2-TP-CEG-01202	Details of Shed for Compact Sub-Station
2	2-TP-CEG-01203	Typical toilet details
3	0-TP-CEG-01205	General arrangement of compact sub station
4	1-TP-CEG-01264	Details of Executive/Supervisor cabin (12 Nos.)
5	1-TP-CEG-01265	Details of steel cabin for electrode store (3 Nos.)
6	0-TP-CEG-01266	Details of foundation and civil work for production shop
7	0-TP-CEG-01267	Details of cable trenches in Production shop

The above drawings are enclosed in the Price Bid.

SCHEDULE 'E'

LEAD STATEMENT

SI.No.	Name of Material	Name of Source	Lead Particulars both for Factory and Township
	----NOT APPLICABLE----		

Contract Agreement No.....

TENDER

To

The **DY GEN MANAGER / CIVIL / FACTORY (Plg. & Designs),**
Bharat Heavy Electricals Limited
Unit : Tiruverumbur
TIRUCHIRAPPALLI – 620 014.

I / We hereby offer to carry out the work of **“Providing foundation, periphery wall, production shop flooring, cable trenches, machine foundations, Construction of Structural Steel sheds, Compact Sub – station & toilet blocks in the production shop floors for the Power Equipment Fabrication Plant near Sakoli, Bhandara district in Maharastra State.”**

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

1. Specifications (General & Particular)
2. Drawings
3. Schedule ‘A’, ‘B’, ‘C’, ‘D’ & ‘E’ and Bill of Quantities attached hereto.
4. Schedule or rates
5. BHE Ltd., General & Special Conditions of Contract, Tender Notice and Instructions to Tenders attached hereto.

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

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

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

WITNESS

Signature of the Contractor

Date :

1.

2.

GENERAL SUMMARY

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

Rupees.....
.....

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

(in block letters)

Date :

SIGNATURE OF CONTRACTOR

Witness :

Postal Address :

1.....
Address

Telephone No.

2.
Address

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

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

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

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

.....
.....
..... at

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

Signature Date.....

Designation