

(Filled TENDERS should be dropped in Vendor complex tender box)

BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM:: HYDERABAD 502 032

: (M&S DEPARTMENT/ P&C)

TELEPHONE NO. 040 23182739 FAX NO. 040 – 23020185 email id: devesh@bhelhyd.co.in

Sealed tender is invited in 2 part system from the reputed contractors. Bid will be opened on 21.12.2010 in the following manner.

TENDER NOTICE NO: M&S/P&C/2010/23 DATED: 26.11.2010

1. Name of work: Installation of 1000 KVA – 5 Nos & 2000 KVA- 2 Nos Compact substations in factory area
2. Estimation : Rs. 40.71 Lakhs + Taxes and duties extra
3. Earnest Money Deposit : 1,00,000/-
4. Time of Completion : 6 Months
5. Warranty period : 12 Months
6. Last date and time of receipt of tenders : 21.12.2010 (Time 11.00 hrs)
7. Date & time of opening of tenders : 21.12.2010 (Time 13.30 hrs)
(Technical Bids)
8. Cost of tender document : 500/-

Name & Address of the Bidder:

Phone No. : _____

(DEVESHRAJ)
SR.DGM/M&S(Telecom, P&C,TPT,PD)
BHEL, R.C.PURAM

All pages should be signed by the bidder at the page bottom before dropping the tender in tender box

BHARAT HEAVY ELECTRICAS LIMITED
RAMACHANDRAPURAM:: HYDERABAD-502 032

M&S DEPARTMENT / PLANNING & CO-ORDINATION

Tender schedule for the work of “Installation of 1000 KVA – 5 Nos & 2000 KVA- 2 Nos Compact substations in factory area.

TECHNO- COMMERCIAL BID (PART-I)

This is an indivisible works contract:

This tender schedule must be submitted along with the General Conditions, Special conditions etc. enclosed herewith duly signed and stamped on each page with your covering letter. Remarks should be TYPED/ hand written on tender schedule only. Any deviations / deletions/ additions etc. can be neatly typed on your letter head and can be enclosed with techno- commercial bid document.

To be filled up by the Bidder

AGENCY:

ADDRESS:

CONTACT PERSON:

PHONE/ FAX

EMAIL ID:

	Description	Acceptance/ Remarks by the Contractor.
1.	<p>Prequalification:</p> <p>a) Turnover: Average annual financial turnover during last 3 years should be atleast 30% of estimate i.e Rs 12.21 Lakhs. 09-10 08-09 07-08 IT statements - Profit & Loss statements copies duly certified by chartered accountant to be enclosed</p> <p>b) Experience : Experience of having successfully completed “Erection , commissioning and testing of substation not less than 2000 KVA capacity during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following:</p> <p>a) 3 works not less than Rs. 10.47 Lakhs each (count for electrical part only)</p>	

	<p>or b) 2 works not less than Rs 13.09 Lakhs count for electrical part only each</p> <p>or c) 1 work not less than Rs 20.94 Lakhs count for electrical part only</p> <p>Details for experience in job works shall be furnished as given below : Name of the Job work: Contract Value of work: Jo work executed for (Name of firm) : Year of work completion: Work experience certificate enclosed (Yes/No):</p>	
2.	PF Code No. if available (on hand or applied for) :	
3	ESI Code No:	
4	Labour License (if engaged more than 20 persons on hand / to be applied)	
5	HT 11KV or above Electrical licence No. and validity (Licence shall be enclosed)	
6	Validity- minimum 90 days from technical bid opening date.	
7	EMD Rs1,00,000/- DD/ Bankers Cheque Details Outlined in CLAUSE 3 &4 page 10	
8	Tender Cost: Rs 500/- BHEL Cash receipt/ DD/ Bankers Cheque Details	
9	Security Deposit clause: Acceptance (Details see under terms and conditions clause: 9a/ page 11) SD will be refundable after guarantee period	
10	PAN No:	
11	Service Tax Regn No:	
12	<p>Price Price quoted should be firm during contract period. Contractor should take care while quoting unit rates “ materials, labour charges, consumables, every thing which needs for work completion”</p> <p>Service Tax: will be extra if applicable Any other applicable taxes should be mentioned in the opposite box.</p> <p>If not optioned , offer will be treated as nil taxes,</p>	

	Credits arrived from taxes will avail by BHEL.	
14	Payment Terms: On prorata basis upto maximum 3 times. Release of bill payments will take minimum 30 / 45 days after submission of Bill	
15	Advance payment will not be released:	
16	Work guaranty for 12 months:	
17	Acceptance for Reverse auction (Yes/No)	
18	PENALTY: 0.5% of the contract value per week or part there of upto a maximum of 10% of the contract value shall be levied beyond the scheduled completion time. Schedule completion period : 6 months from date receipt of Order.	
19.	Terms and Conditions / obligations of contractors shall be acceptable.	
20	Decision of BHEL Representative shall be final in the matter of inspection of work or material at any stage	
21	All works should be as per Annexure-I details of work as per price bid	

NOTE:-

1. The above documents should be given along with the tender as otherwise, contractor's bills can not be processed and payments may be held up.
2. Techno commercial bids will be opened on the tender due date. during scrutiny in case the agency has not fulfilled all the above conditions with documentary proof, the bid is liable to be rejected and their price bid will not be opened.
3. In case of a firm, the tender shall be in the name of the firm, and for individual these can be in the name individual. In case of sole proprietorship of a firm he should submit a notarized affidavit to that effect. For partnership firms, the deed of partnership and power of attorney are to be submitted.
4. Though some of above documents are available with BHEL for those agencies who are presently working with BHEL, they also should submit one copy of the same.
5. All the columns shall be filled with proper information.
6. BHEL reserves the right to reject or cancel the tender at any stage of the tender process without assigning any reasons there of.
7. A tender may be rejected while scrutiny of technical bids in case there is unsatisfactory past performance in the execution of an earlier contract.

Tender Notice No: M&S/P&C/2010/23 Dated:26.11.2010

PRE QUALIFICATION

I. The following conditions are to be satisfied by the tenderers, with documentary proof to be enclosed with technical bid. In case the agency fails to do so it is liable for rejection.

1. The agency should have minimum experience in “erection testing and commissioning of substation of not less than 2000 KVA”
2. Registered / Reputed contractors are eligible, to tender for all the works as per first paragraph of NIT.
3. Experience having successfully completed substations during last 7 years, ending last day of the month previous to the one in which applications are invited should be either of the following.
 - a. Three completed works costing not less than the amount equal to 25% of the estimated cost (Electrical works).
OR
 - b. Two completed works costing not less than the amount equal to 30% of the estimated cost (Electrical works).
OR
 - c. One completed work costing not less than the amount equal to 40% of the estimated cost (Electrical works).
4. Average annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should be at least 30% of the estimated cost.
5. ESI code no. with proof of allotment.
6. P.F. Code no. with proof of allotment.
7. Electrical Licence - 11KV or above with proof of allotment.
8. VAT No / TIN No. with proof of allotment / applied proof / to be submitted before commencement of work.
9. PAN number with proof of allotment.
10. Labour Licence if available to be submitted before commencement of work.
11. If the contractor has not quoted the rate for the any item(s), it is considered as incomplete tender and tender can not be accepted.

12. The contractor shall affix his signature at the end of each page of this tender documents (technical and price bids).
13. BHEL shall have the right to reject any tender based on past unsatisfactory performance.

contractor should indicate The rates quoted for all the items of work are exclusive of all Taxes and Duties levied by State / Central Government organization as well as Local authorities as applicable including works contract Vat / Service Tax etc. The agency shall submit proper document evidencing the payment of applicable Tax / Duty based on which BHEL can avail credit. Other wise the payment to the contractor will be reduced to that extent.

II.(1) Tenders must be submitted in sealed covers addressed to Sr. DGM / M&S (P&C, TPT, Telecom & PD, Cranes), BHEL, Ramachandrapuram, Hyderabad 502 032. Tenderer shall write Tender Notice No, and name of work and address of the tenderer on each sealed cover. In case the agency fails to comply any of the above, the tender will be liable for rejection.

(2) The agency is responsible for all the statutory requirements & documentations for ESI / PF etc as per prevailing Government Rules / Labour Rules. Any amount payable by BHEL on account of these requirements shall be recovered from contractors bills / deposits.

III. NOTES:-

1. Period of contract shall be as mentioned above i.e 6 Months .
2. Tenders are on two – part bid method (techno commercial bid and price bid).
3. Tender documents can be had through BHEL web-site <http://www.bhel.com>. Cost of document shall be paid in the shape of Demand Draft or Bankers Cheque or Pay Order and separately enclosed to the technical bid.
4. The requisitions for tender documents shall be addressed to .Manager / M&S(P&C), 02 Annexe Ground Floor,, BHEL, Ramachandrapuram, Hyderabad 502 032 along with Demand Draft/Banker’s Cheque drawn in favour of “BHARAT HEAVY ELECTRICALS LIMITED, HYDERABAD’ or payment of cash in BHEL Cash Office (No other Mode of payment will be accepted). Tender documents shall be collected in Person by the contractor or his authorized representative.
5. The agencies are advised to visit the work site to understand the nature of work / quantum or work in its true perspective to avoid any mis – under standing.
6. The tender documents may also be submitted through speed post or by post to reach within the stipulated date and time.
7. Tender bid with out EMD / Tender cost as stipulated are liable for rejection.
8. BHEL reserves the right to reject any or all tenders in part or in full without assigning any reasons.
9. The conclusion of contract will be in the form prescribed by BHEL for the purpose. A copy of the general conditions of contract applicable to the above works is available for perusal at the office of the Sr. DGM / M&S (P&C, TPT, Telecom ,PD, Cranes) If a copy of the same is required for record, the same will be issued separately.
10. Penalty of 0.5% of the gross value of work will be levied for every weeks delay in work subject to a

maximum penalty of 10% of the gross value of work.

11. Those who are down-loading the tender documents from web-site must also pay cost of tender documents before last date of receipt. The DD's against Tender Cost / EMD are to be enclosed in technical bid cover.

12. Separate Covers (i.e.)

Cover-A	-	for Technical Bid (sealed cover)
Cover-B	-	for Price Bid (sealed cover)
Cover-C	-	common cover for technical and price bid are to be submitted, super scribing the name of work and NIT number on each over.

13. Tender will be finalized on lowest cost to BHEL based upon the lowest rate of grand total value. Thus arriving to total value of the tender along with applicable taxes and duties.

A tender may be rejected while scrutiny of technical bids in case there is unsatisfactory past performance in the execution of an earlier contract.

All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirements, issued by IR section of personnel department.

BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM :: HYDERABAD-32
M&S / POWER DISTRIBUTION

TENDER DOCUMENTS (TECHNICAL BID)

Name of the work :

Tender Notice No. M&S/P&C/2010/23 Date: 26.11.2010,

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Special Terms & Conditions

Special Conditions (Safety)



BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM : : HYDERABAD-32

TENDER NOTICE No. M&S/P&C/2010/23 Date: 26.11.2010

2. 1. Sealed Tenders will be received by the Sr. DGM / M&S (P&C, TPT, Telecom & PD), Bharat Heavy Electricals Limited, Ramachandrapuram, Hyderabad-32 at his office up to **11.00** hours on **21.12.2010** for the work of "Installation of 1000 KVA – 5 Nos & 2000 KVA- 2 Nos Compact substations in factory area " Ramachandrapuram, Hyderabad-502 032.A.P.. Tenders (Technical bid) will be opened by the Manager (P&C), Bharat Heavy Electricals Limited, Ramachandrapuram, Hyderabad-32. on the same day at 13.30 hours in Vendor complex. The tenderers or their agents are expected to be present at the time of opening of the tenders. The tender receiving officer will, on opening such tender, attest over writings or corrections, if any, therein in the presence of the tenderer's who may be present at the time. The tender should be in the form of obtainable from the Office of the Sr. DGM / M&S (P&C, TPT, Telecom & PD). The Andhra Pradesh Detailed Standard specification and other documents relating to the contract such as additional specifications, proforma for Bank Guarantees, descriptive specifications sheets regarding materials etc., can be seen at any time between 08.00 A.M to 14.00 Noon in the office of the Sr. DGM / M&S (P&C, TPT, Telecom & PD). Tender forms and other particulars regarding the proposed work can be obtained on any working day from 08.00 to 14.00 hours upto 20.12.2010 on payments of the prescribe sum of Rs. 500.00 through web per set as non-refundable.
2. Tenders must be submitted in sealed covers and should be addressed to the Sr. DGM / M&S (P&C, TPT, Telecom & PD, Cranes), Bharat Heavy Electricals Limited, Ramachandrapuram, Hyderabad – 502032, the name of the tenderer and the name of the work being displayed on the cover.

If the tender is made by a individual, it shall be signed with his name and his full address shall be given, If it is made by firm, it shall be signed with the co-partnership name by a member of the firm, who shall also sign his own name and the name and address of each member of the firm shall be given. If the tender is made by a corporation, it shall be signed by a duly authorized officer who shall produce with his tender, satisfactory evidence of his authorization. Such tendering corporation may be required before the agreement is executed, to furnish evidence of it's corporate existence.

3. Each tenderer must pay as **Earnest Money Deposit**, a sum of **Rs.100,000/-** and enclose with his tender the receipt endorsed accordingly. The Earnest Money prescribed for this work may be offered in any of the following forms duly pledged to the Sr. Accounts Officer (CASH), B.H.E.L., Ramachandrapuram, Hyderabad-502 032.

Bankers cheque / Demand Draft.

The Earnest Money will be refunded to the unsuccessful tenderer after the intimation of rejection of the tender is sent. The Earnest Money will be retained in the case of the successful tenderer and get converted as a part of security Deposit for the due performance of the contract and in either case will not carry any interest. It will be dealt with as provided in the conditions attached to the tender.

When a tender is to be accepted, the tenderer whose tender is under consideration, shall attend the Office of Sr. DGM / M&S (P&C, TPT, Telecom & PD) upon written information to him. He

shall forth with upon intimation being given to him by the Sr. DGM / M&S (P&C, TPT, Telecom & PD, Cranes) of acceptance of his tender, complete the execution of the agreement by signing all documents connected there with, Failure to do so shall entail forfeiture of the Earnest Money Deposit.

4. EMD by the Tenderer will be forfeited as per Tender Document if.
After opening the tender, the bidder revokes his tender within the validity period or increase his quoted rates.
The tenderer does not commence the work within the period as per LOI/Contract.
EMD shall not carry any interest.
If only a part of the work as shown in the tender is awarded, the amount of Earnest money will be forfeited with regard to the estimated cost of the work so awarded.
5. Tenderers shall persue carefully the instructions laid in General Conditions of the contract and all other relevant documents before tendering for the work. The approximate quantity of work to be executed under each class is given in Schedule – “A”. The quantities are given with a view to enable the tenderer to quote his over all rate to each clause of work in the tender form and for a uniform comparison of tenders. It shall be definitely understood that the Bharat Heavy Electricals Limited, does not accept any responsibility for correctness or completeness by commissions, deductions or additions at the discretion of accepting authority.
6. BHEL reserves the right to reject any tender or part thereof or all the tenders with out assigning any reasons thereof.
7. Tenders not submitted in proper form or in due time will be rejected.
8. The offer shall be valid for a period of **90 days** from the date of opening of the tender.
- 9a. Security Deposit should be collected from the successful tenderer.

The rate of Security Deposit will be as below:

Upto Rs. 10 lakhs	:	10%
Above Rs. 10 lakhs Upto Rs.50 lakhs	:	Rs. 1 lakh + 7.5% of the amount exceeding Rs. 10 lakhs

If the work is awarded, the agency has to pay 50% of SD in advance on contract value before commencement of work after adjusting of EMD amount.

- 9b. Security Deposit may be furnished in any one of the following forms.
 1. Cash (as permissible under the Income Tax Act)
 2. Pay Order, Demand Draft in favour of BHEL.
 3. Local cheques of scheduled banks, subject to realization.
 4. Securities available from Post such as National savings Certificates, Kisan Vikas Patras etc.
 5. Bank Guarantee from schedules Banks / Public Financial Institutions as defined in the Companies Act subject to a maximum of 50% of the total security deposit value. The balance 50% has to be remitted either by cash or in the other form of security. The Bank Guarantee format should have the approval of BHEL.
 6. 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.

7. Security Deposit can also be recovered at the rate 10% from the running bills. However in such cases at least 50% of the Security Deposit should be deposited before start of the work and the balance 50% will be recovered from the running bills.
8. EMD of the successfully tender shall be converted and adjusted against the security deposit.

NOTE: Acceptance of Security Deposit against Sl. No. (iv) and (vi) above will be adjusted 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.

9c. Security Deposit shall not be refundable to the contractor except in accordance with the terms of the contract.

The Security Deposit will be released along with the final bill after completion of the work.

DIRECTIONS TO PARTIES FOR TENDERING

1. If at any time, B.H.E.L., supplies materials other than those specified in the agreement at the request of the contractor for use on work, they will be charged at the market value prevailing at the time of supply or issue rate plus 12 ½% whichever is greater.
2. Each tenderer must quote the PAN no. with proof of allotment by the Income Tax Authority. In the case of proprietary firm, it will be necessary to quote the aforementioned for the proprietor or proprietors and for each of the partners as the case may be.
3. Every tenderer is expected, before quoting his rates to inspect the site of the proposed work.
4. The tenderers are required to quote their tender value on %age basis at excess or less or on par with estimated value in the Schedule-A. The % age should be written both in words and figures. The schedule accompanying the tender shall be written legibly and free from erasures, over writings or corrections of figures. Corrections where unavoidable should be made by crossing out, initialing, dating and rewriting. No alterations which is made by the tenderer in the tender form, the conditions of agreement, the drawings or specifications accompanying the same will be recognized and if any such alterations are made, the tender will be void.

TENDER FOR THE WORK

I/We _____ do hereby tender to execute works of the under mentioned description and in accordance with the conditions noted below in consideration of payment being made for the quantity of work executed at the respective rates specified in the following schedule.

I / We hereby distinctly and expressly declare and acknowledge that before the submission of my / our tender I / We carefully followed the instructions in the tender notice and have read the IBR Rules and

Regulations with latest amendments and that I /We have made such examination of the contract documents and of the specifications etc., and of the location where the said work is to be done and such investigation of the work required to be done and in regard to the material required to be furnished as to enable me/us thoroughly to understand the intention of same and the requirements, covenants, agreements, stipulations and restrictions contained in the contract and in the said specifications and distinctly agree that I /We will not hereafter make any claim or demand upon the Bharat Heavy Electricals Limited based upon or arising out of the said requirements, covenants, agreements, stipulations, restrictions and conditions.

SIGNATURE OF TENDERER

Address

TENDERER'S AND CONTRACTOR'S CERTIFICATE

1. I hereby declare that I have perused in detail and examined closely the IBR Rules and Regulations with latest amendments and it's addenda volume and also BHEL General Conditions of contract. I agree to be bound by and comply with General terms and conditions and Regulations with latest amendments and General Conditions of contract, for the various items of works specified in the Annexure "A" and the work as a whole.

2. I hereby declare that I shall pay the statutory minimum wages to my workers as applicable from time to time. I shall also adhere to all the statutory obligations under Contract Labour (Regulation and Abolition) Act 1971 and Rules framed there under with subsequent revisions if any.

3. The Contract / Job Executing Officers are required to ensure that Contractor pays the 'Daily Wages' as shown above to their workforce. wages along with PF & ESI contributions may also be ensured. In case, the workforce is engaged on over time by the contractor, they have to be paid double the wages. The workforce are also entitled for Holidays which are applicable to BHEL and 1 day leave of every 20 days of working and payment of bonus under the payment Act 1965.

4. PF & ESI at the rate of 12% and 1.75% respectively on the daily wages are to be deducted as Employee's contribution. Further, Contractor shall pay 12% PF and 1.61% Administrative charges towards PF and 4.75% towards ESI as Employer's contributions. The contractor shall remit the above contributions along with Employee's contribution to PF & ESI departments and file monthly returns by 20th of every following month. Contractor shall also provide uniform, shoes and other personal protective Equipments wherever applicable to their workforce.

Contractor should supply all PPE's and take all safety precautions.

SIGNATURE OF TENDERER

CONTRACTOR'S OBLIGATIONS

CONTRACTUAL

- a. Contractor shall be deployed for execution of the work awarded to him and he or his authorized representative will be solely entitled to dictate such workers about the manner of carrying out the work as per the prescribed specifications and quality plan.
- b. Contractor shall supervise the work allotted to him and to be carried out by his employees.
- c. Contractor to ensure that the employees deployed in the premises of BHEL are physically and mentally fit and do not have any criminal record. Such employees should possess requisite skill, proficiency, qualification, experience etc.
- d. Contractor to maintain appropriate records of his employees deployed to carry out the job (s).
- e. Contractor should issue appropriate appointment letters to his employees.
- f. Contractor to provide employment card / identity card with photograph duly verified and attested by the Contractor to his employees. Contractor to indicate the name of the proprietary / partnership firm / company, place of work, contract number and duration of validity of card.
- g. Contractor will be responsible for the good conduct of his employees. In case of any misconduct / misbehaviour by any employee, the contractor will replace such employee (s) immediately.
- h. Contractor will ensure that the job is executed through his employees on his rolls and under no circumstances the contractor will deploy any casual employee to carry out the job nor shall sub-contract the job without prior written permission.
- i. Contractor will keep watch on his employees and he will be liable for any pilferage / loss to BHEL due to acts of omission and commission by his employees. Similarly, liability for any compensation to outsiders on account of any act of omission and commission by the employees deployed by the contractor shall lie exclusively with him.
- j. Contractor to provide safety appliances and safety shoes to his employees. The contractor shall be responsible and safety regulations as applicable.
- k. The contractor has to provide a distinct uniform different from BHEL employees. The Uniform should have logo of the Contractors firm / company. The uniform shall be kept in neat, tidy and wearable condition. Wherever necessary, the Cap shall be integral part of the uniform.
- l. Contractor to ensure that all precautions are taken for safety of his employees and equipments.
- m. In the event of termination of contract for any reason whatsoever, the contractor shall withdraw all his employees from the establishment of BHEL. In case contractor decides to terminate services of his employees, he should settle all terminal dues including retrenchment compensation.
- n. Contractor shall provide to his employees all tools, tackles and equipments and maintain the same to carry out the job under the contract at his cost and if necessary contractor may take insurance policy of his men, material, equipments and tools and tackles.
- o. Contractor shall provide safety appliances and maintain the same at his own cost which may be required under the statute or otherwise.
- p. Contractor shall provide material at his cost as mentioned in the contract to his

employees for carrying out the job.

A) TOWARDS STATUTORY LIABILITY

- a. All statutory requirements under Minimum Wages Act 1948 Payment of Wages Act 1936 Workmen Compensation Act 1923, EPF & MP Act 1952, Payment of Gratuity Act 1972 ESI Act, 1948, the Contract Labour (R&A) Act 1970, Payment of Bonus Act 1965, Income Tax Act, Service Tax Act and all other applicable Acts shall be complied with by the contractor.
- b. Contractor shall comply with all statutory requirements, rules, regulations, notifications in relation to employment of his employees issued from time to time by the concerned authorities.
- c. Contractor shall ensure payment of statutory prescribed minimum wages as applicable from time to time in the presence of authorized representative of BHEL and maintain proper records of their timely disbursement. These records need to be preserved for a period of atleast 3 years and should be made available even after the contract is over for any verification by the statutory authorities / BHEL authorities.
- d. Contractor to provide PF pass book to his employees and ensure payment of PF, EDLI, pension dues under EPF & MP Act 1952 to the RPFC.
- e. Contractor shall ensure payment of ESI contribution under ESI Act 1948 and provide ESI membership No / Card of each employees.
- f. Contractor shall produce proof of deductions as well as remittances of PF, EDLI, Pension, ESI contribution, administrative charges etc., wherever applicable and shall maintain proper records. Contractor to issue wage slips to his employees.
- g. Contractor shall furnish proper returns to the concerned statutory authorities and provide a copy of the same to BHEL.
- h. Contractor shall be solely responsible for non payment / delayed payment of wages / DA, contributions under EPF & MP Act, ESI Act etc.
- i. In case the contractor fails to make payment of wages to his employees or remittance of contribution to the concerned authorities, the security deposit / other dues / running bills under the contract can be utilized by BHEL to discharge the liability of the contractor.
- j. Contractor shall indemnify BHEL against all claims and losses under various Labour Laws, statutes or any civil or criminal law in connection with employees deployed by him.
- k. The liability for any compensation on account of injury sustained by an employee of the contractor will be exclusively that of the contractor.
- l. Contractor to obtain insurance cover for his employees / equipment, tools and tackles etc and take third party risk insurance coverage at his own cost. BHEL shall not be responsible for any loss, damage pilferage of his property and / or his employees.
- m. Contractor should have independent code numbers / exemptions under EPF & MP Act 1952 and ESI Act 1948 and shall cover his employees under the said codes.
- n. Payment of bonus under the Payment of Bonus Act Payment of gratuity under the Gratuity Act, and retrenchment compensation under Act will be the sole responsibility of the contractor.
- o. Over and above the daily wage rate, payment shall be made for leave with wages.
- p. Contractor shall observe Provisions of the Factories Act in respect of working hours, holidays, rest intervals, leave and over time to his employee. No work shall be done on second / third shift, overtime, Sundays or on other declared holidays without written

permission.

- q. In case a contractor employs women as employee he will discharge his obligation under law in respect of such women workers such prohibition of engaging them during night-hours, prohibition of employing them for more than 9 hours per day, provision of crèche facility, grant of maternity leave as per rules etc.
- r. Contractor shall be responsible for making payment of wages before expiry of 7 days from the last day of wage period and to ensure disbursement of wages in the presence of the authorities representative of contract operating division who shall record under his signature at the end of entries in the Register of wages.
- s. Contractor to obtain license under CL (R&A) Act 1970.

GENERAL TERMS & CONDITIONS (Part-2)

- 1. The contractor shall comply with the following general terms conditions and special instructions.
- 2. The contractor shall fully comply with the following enactment's:
 - a. Contractor Labour (R&A) Act, 1971.
 - b. Wage Rates not less than that notified by State Labour department from time to time.
 - c. Payment of Wages Act.
 - d. ESI Act, 1948.
 - e. EPF Act, 1952.
 - f. Workmen's Compensation Act, 1923.
 - g. The company's instructions as issued from time to time in regard to working hours, wages, leave, holidays etc.
- 3. The Contractor shall obtain license from the Assistant Labour Commissioner (Central), or appropriate Government if he engages 20 (Twenty) or more workmen only.
- 4. The contractor shall produce the following Registers and forms before commencement of work, for verification by the Executing Officer of the company.
 - a. Form XIII - Register of workmen employed by contractor (Rule 75).
 - b. Form XIV - Employment card issued by contractor (Rule 76).
 - c. Form XVI - Muster Roll (Rule 78 (1) (a) (i)).
 - d. Form XVII - Register of Wages (Rule 78 (1) (a) (i)).
 - e. Form XVII - Register of wages - cum Muster Roll (in case of weekly payment).
 - f. Form XIX - Wage slip (Rule 78 (b)).
 - g. Form XX - Register of deduction for damages or loss (Rule 78 (1))

- (a) (ii).
- h. Form XXI - Register for fines (Rule 78 (1) (a) (ii)).
- i. Form XXII - Register of advances (Rule 78 (1) (a) (ii)).
- j. Form XXIII - Register of overtime (Rule 78 (1) (a) (iii)).
- k. Form XXIV - Register to be sent by the contractor to licensing officer (Rule 82) (1).

The contractor shall maintain the above neatly, completely and legibly for inspection by various statutory authorities and the company officials even at short notice.

- 5. The contractor shall observe
 - (a) Weekly rest day.
 - (b) The company list of holidays.

II) Special Instructions:

1. If an individual makes the tender, it shall be signed with his full name and his address shall be furnished. If it is made by firm, it shall be signed with the co-partnership name by a member of the firm, who shall also sign his own name, also furnish the name and address of each member of the firm, if the tender is made by corporation, it shall be signed by a duly authorized officer who shall produce with the tender satisfactory evidence of his authorization. Such tendering corporation / firm is required to furnish evidence of its existence along with bid.
2. The EMD will be refunded to the unsuccessful tenderers on finalization of the tender. The earnest money will be retained in the case of the successful tenderers and either of the cases will not carry any interest. It will be dealt with as provided in the conditions attached to the tender.
3. Whenever a tender is to be accepted, the tenderer, whose tender is under consideration, shall attend the office of "Office Inviting the Tender" on the date fixed by written intimation to him. He shall forthwith, upon intimation being given to him by the "Officer Inviting the Tender" [Ex. GM (M&S)] for acceptance of his tender, complete the execution of the agreement by signing all documents connected therewith. Failure to do so and not to commence the work within the time specified in the Letter of Intimation shall entail forfeiture of the earnest money.
4. Tenderers shall peruse carefully the instructions and directions to parties tendering and the conditions of the agreement and all other relevant documents before tendering the rates for the work. The approximate quantity of work to be executed under each class is given in the schedule. The quantities are given with a view to enable tenderers to quote his overall rate for each class of work in the tender form and for an uniform comparison of tenderers. It shall be definitely understood that BHEL does not accept any responsibilities for the correctness or completeness of this schedule and that the schedule is liable to alterations by omission, deductions, or additions at the discretion of the accepting authority.
5. The tenderer shall keep the offer valid for a period of 90 days from the date of opening of tender. It is being understood that the tender documents have been sold / issued to the tenderer and the tenderer is being permitted to tender in consideration of this stipulation on his part that after submitting the tender, he will not recall his offer or

modify the terms and conditions thereof in a manner not acceptable to the "Office Inviting the Tender" Should the tenderer fail to observe or comply with the foregoing stipulation, the EMD shall be forfeited.

6. Tenderers have to quote their rates in the tender schedule legibly written in figures and words and those not submitted in proper form are liable for rejection.
7. The submission of tender shall be strictly in accordance with the terms and conditions stipulated in this tender notice. No counter conditions will be acceptable or valid.
8. The tenderers must satisfy themselves by personal study and examination of the drawings / specifications furnished and understand thoroughly the scope of proposed work in detail and all conditions affecting the work before entering into the contract. There shall not be at any time after submission of the tender dispute/ complaint of any nature regarding the scope of work and interpretation of specifications or any misunderstanding with regard to nature or omission of the work to be done nor shall any application for compensation in terms of time and money shall be accepted by BHEL in regard to the above.
9. Contractor shall be deemed to have included in his tender price of all the plant, machinery and appliance required for the purpose of all operations connected with the work embraced under the contract to secure a satisfactory quality of work and rate of progress which in the opinion of the "Contract Signing Officer" will ensure the completion of the work within the time specified.
10. The contractor has to produce the bank guarantee in the prescribed proforma valid for the contract period for a value calculated at the rates mentioned towards security deposit. The claim period under the guarantee shall be valid for Three months after expiry of the contract.
11. This is a time bound contract for period mentioned, and does not envisage an escalation of price.
12. The rates quoted by the contractor shall be firm for the contract period. There shall be no revision in contract rates due to increase in any statutory levies during the period of the contract and this increase shall be absorbed by the contractor himself in full.
13. If any information by documents submitted by the contractor are found false / fake at any stage the tender will be cancelled and earnest money deposited shall be forfeited.
14. In case more than one contractor quotes equal L1 rates further sealed quotation will be obtained from L1 tenderers to decide L1. Under no circumstance revised rate should not be more than the original quoted rate.
15. Even though the work is awarded particular group, if required work can be done anywhere in township of BHEL Hyderabad as per direction of Engineer-in-charge.
16. Measurements shall be taken jointly by any person / persons duly authorized on the part of the BHEL and the contractor.

17. If the contractor / his representative fails to attend when required for measurements the Engineer Incharge shall have power to proceed by himself to take measurement and in that case, these measurements shall be accepted by the contractor as final.
18. Measurement shall be recorded in measurement book maintained by the authorize representative of BHEL who shall make entries regarding the work executed by th contractor under different items of bill of quantity, these entries will be counter signe by the contractor or his duly authorized representative.

Annexure-D

GENERAL TERMS & CONDITIONS

1. BHEL shall have the privity of the contract with the contractor only and will give instructions to the contractor or his authorized representative. BHEL will have nothing to do or be concerned with the employment of employees working for the contractor. The relationship between BHEL and the Contractor will be that of independent entities and nothing herein contained will amount to joint venture, partnership or an employer-employee relationship.
2. The contractor shall maintain regular contact with the designated employee(s) of BHEL and will interact on matters relating to the work awarded under this contract.
3. In case the Contractor does not carry out the Contractual / Statutory obligations or the services rendered by him are found to be unsatisfactory, BHEL shall bring the same to his notice and he will be obliged to discharge the obligations and rectify the deficiency / anomaly within three days time failing which, BHEL reserves the right to terminate the contract without assigning any reason whatsoever. In such an event, no damages will be payable for short closure of the contract.
4. The contractor shall deposit an amount of Rs. /- as security with BHEL in the form of pay order / bank guarantee / FDI in the name of contractor A/c- BHEL duly discharged on the back. Alternatively, the amount of security deposit can be adjusted partly from EMD and balance amount from subsequent bills. This security deposit shall be liable to be returned to the contractor after termination of the contract or at the end of it, subject to deduction on account of company dues, non-deposit of statutory dues etc. No interest shall be payable on the security deposit.
5. The decision of BHEL regarding interpretation of any of terms and conditions set forth in his agreement shall be final and binding on the Contractor.
6. Any matter arising out of or in connection with the agreement shall be under jurisdiction of Sanga Reddy Courts.
7. Notwithstanding anything contained in this Agreement, the contract may be terminated by BHEL without assigning any reason thereof by giving a notice of 30 days to the contractor.
8. The contract will commence on date and will remain valid for a period of One

year(s) till _____ date. The parties reserve the right to extend the contract on mutually agreed terms and conditions.

9. Contractor shall obtain complete bio-data of the labour, employment certificate and Antecedent verification in the prescribed form for each labour and supervisor engaged by him and shall submit the same to the Personnel Department / IR section through the contract executing officers before commencement of the work.
10. The Entry permits are to be issued to the Contract Labour by Assistant Commandant / CISF (Plant), based on the requisition submitted by Contract Executing Officer and forwarded by Dy. General manager / Personnel.
11. Every contractor shall submit a notice regarding commencement and completion, of work in form – VI A&B [Rule 25 (VIII) & 81 (3)] to Personnel Department, IR section through his contract executing officer, for forwarding the same to State Labour Department.
12. The contractor shall make himself of his representative available at the work spot everyday during execution of work, for effective supervision.
13. The contractor shall attend to all inspections notified / conducted by the Personnel Department, Labour Department, P.F. authorities. Factory Inspectors ESI Inspectors, or any other such authorities under the act.
14. Non – compliance of any provisions under the act/ rule/instructions / guidelines shall make the contractor liable for penal action including termination of contract.
15. Contractor shall furnish in a separate letter his place of residence and postal address. The delivery at the above named place or posting in a Post box regularly maintained by the post and telegraph Department or sending letters registered for acknowledgement of any notice, letter or other communication to the contractor. Change in address shall come into force at any time by an instrument executed by the contractor and delivered to the Company official who has signed the contract.
16. The contractor must satisfy himself by personal study and examination of the drawings / specifications furnished and understand thoroughly the scope of proposed work in detail and all conditions affecting the work before entering into the contract. There shall not be at any time dispute / complaint of any misunderstanding with regard to scope of work and interpretation of specifications or any misunderstanding with regard to nature or omission of the work to be done not shall any application for compensation in terms of time and money shall be accepted by company regarding the above.
17. Contractor shall in his absence keep competent agent constantly on the works and any directions or explanations given by the “Contract Signing Officer” or his representative to such agent shall be held to have been given to the contractor himself.
18. Contractor on the advise of company official shall immediately remove any person employed by him, who may in the opinion of the company official is incompetent or misc. conducts himself and such persons shall not be again employed on the works without permission of the company official.
19. The contractor shall erect and maintain at his own cost temporary weather proof sheds at such places approved by the company for keeping materials under cover.
20. The contractor shall give all notices required by the acts regulations , bylaws, legal acts and pay all fees in connection therewith unless and otherwise arranged and

- decided in writing with the company. He shall also ensure that no attachments are made against materials or work forming part of or for the use of the contractor. In all such cases, contractor shall protect and indemnify the company against any claim or liability arising from or based on the violation of any such laws, ordinances, regulations, orders, decrees or attachments either by himself or by his employees,
21. It shall be contractor's sole responsibility to protect the public and his employees against accident from any cause and provide required safety equipments and shall indemnify, the company against any claims for damages for injury to the person or property resulting from any such accidents and shall, where the provisions of the workmen's compensation act apply, take steps to properly insure against any claims thereunder.
 22. In the event of any accident in respect of which compensation may become payable under the workmen's compensation act VIII of 1923 whether by the contractor or by the company as principle employer, it shall be lawful for the company to retain out of monies due and payable to the contractor such sum or sums of money as may, in the opinion of the company shall be final in regard to all matter arising in this clause.
 23. No work shall be done on Sundays or on other declared holidays of the company without the written permission of the company officer incharge o f the work. The contractor shall comply with the provisions of the Factories Act Rules framed thereunder if the same are applicable.
 24. The contractor shall keep his work place clean and safe to avoid injuries to men and damage to finished products / equipments.
 25. On the occurrence of an accident, which results in the death of any of the workmen employed by the contractor or which is so serious as to be likely to result in the death of any such workmen, the contractor shall within 24 hours of the happening of such an accident intimate in writing to the company official incharge of the work.
 26. The contractor shall indemnify the company against all losses or damages sustained by the company resulting directly or indirectly from his failure to give intimation in the manner aforesaid including the penalties or dues if any and become payable by the company, as a consequence of failure, the company to give notice under the workmen's compensation act or otherwise confirm to the provisions of the said act in regard to such accident.
 27. The contractor shall ensure adherence to all statutory requirements applicable to BHARAT HEAVY ELECTRICALS LIMITED, RAMACHANDRA PURAM, HYDERABAD-502032.
 28. Notwithstanding the clause, in case of any financial loss incurred by the company on account of contravention of the Provident Fund regulations or any regulations of rule touching the same by the contractor, the contractor shall submit an undertaking to indemnify the company to the extent of the loss incurred by the company.
 29. The contractor should engage only those labourers who shall be more than 18(eighteen) years of age.
 30. The contractor shall not resort to subcontracting under any circumstances. If found subcontracting at a later date, BHEL reserves the right to take whatever action it deems fit, including cancellation of the contract.
 31. The contractor shall provide the required safety equipment labours engaged by him.
 32. Contractor shall issue "Employment Card" as per statute to all the labour and supervisors covered under the job work contract.
 33. The contractor shall be responsible to settle any grievances of the labour deployed by

him.

34. Whenever the term "CONTRACTOR" is used, it shall be understood to refer to the particular person, firm or corporation with whom an agreement has been made by the concerned company official for executing the work defined in the concerned agreement and for the purpose of instructions regarding compliance with contract conditions, it shall include the contractor's authorised agents, who are entrusted with the work by contractor.
35. The quantities mentioned in the agreement schedule are worked out from the relevant drawings in the company and may not be the actuals required for execution.
36. The company does not expressly or by implication agree that the actual amount of the work to be done shall correspond there with, but reserves the right to increase or decrease the quantity of any class or portion of the work as he deems necessary.
37. All the works shall be carried out in accordance with the directions and to the satisfaction of the company official in accordance with the drawings, specifications and instructions. Supplementing or explaining the same as may from time to time shall be done by the company official.
38. For all modifications, omissions or additions to the approved drawings and specifications, the company shall issue revised plans or written instructions and no modifications, omission or addition shall be made unless at any time before completion of the work.
39. The company shall have the privilege of ordering modifications, omissions, or additions at any time before completion of the work.
40. All materials, articles, and workmanship shall be the best of their respective kinds for the class of work described in the contract specifications and schedule and materials to be obtained by the contractor shall be from sources approved by the company.
41. Sample of materials shall be furnished by the contractor at his expense to the company when called for before execution of any work.
42. The company shall have power to reject at any stage, any work which is considered to be defective in quality of materials or workmanship and shall not be debarred from rejecting wrong material by reasons of having previously passed them in an unworked condition. Any portion of the work or materials rejected or pronounced to be inferior or not in accordance with specifications shall be taken down and removed from the work site at the contractor's expenses.
43. The decision of the company shall be final and binding on the contractor on all technical questions which may arise in the contract with respect to material, workmanship, removal; of improper work, interpretation of the working drawings, specifications, notes, procedures etc.
44. The decision of the "Contract Signing Officer" or any officer deputed by him duly authorised on his behalf, in respect of the rate of progress and the quality of work or material shall be final.
45. Contracts shall be deemed to have included in his tender price of all the plant. Machinery and appliances required for the purpose of all operations connected to secure a satisfactory quality of work within the opinion of the company will ensure the completion of the work within the time specified.
46. If at any time, during the progress of work or any part of it such methods or equipment appear to the company official to be insufficient or inappropriate for ensuring the quality of work required or rate of progress, he may order the contractor to increase their efficiency or to improve their quality of work and the contractor shall comply with such

order and on failure of which the company may take such action as it deems it fit to improve the quality of work of the company may take such action as it deems if fit to improve the quality of work or the rate of progress required from the contractor and all such actions taken by the company shall be at the coat and risk of the contractor.

47. It is open to the company to lend or supply to the contractor any tools, implement, material and machinery that are needed by the contractor, which in the opinion of the company is essential to improve the quality or progress of work. The contractor shall pay such deposit or charges that may be fixed or determined by the company for any such articles or machinery lent or hired to the contractor.
48. Any electric power required for contractors machinery for the purpose of work shall be supplied by the company at the written request of the contractor at one point subject to the observance of rules an regulations of Electric board / company and charges there on shall be recovered from the contractor.
49. The contractor shall confirm to the regulations and laws of central / state govt. or any local authority and that of the company with whose system the machinery is supposed to be connected.
50. All rubbish as it accumulates shall be removed from the site to the point of disposal as indicated from time to time by the company. If this is not adhered to, the company shall remove the scrap and recover the cost of these operations from the bills of the contractor.
51. Any sum due from the contractor on account of tools and plants, stores, or any other items provided by the company shall be deducted from the respective bill due to him.
52. In case the contractor does not execute the work awarded to him as per the terms and conditions of the agreement, the same shall be got executed by some other contractor and the excess cost incurred shall be recovered from the contractor's security deposit/pending bills.
53. In case of breach of any of the terms and conditions of the contract, a claim shall be lodged under the bank guarantee with the guarantor at the discretion of the competent authority of the company. On successful completion of the contract to the satisfaction of the company, the bank guarantee shall be released after due claim period.
54. In the event of any question or dispute or under this contract, the same shall be referred to a competent Authority in the company for sole arbitration and his decision shall be final and binding on the parties to the contract.
55. In case of any suit or other legal proceeding arising under this contract, the courts at Sangareddy (Medak Dist.) A.P only shall have the Jurisdiction.
56. The company reserves the right to enter into parallel agreement with one or more contractor at their direction.
57. Disputes, grievances between the contractor and his labour, will have to be settled by the contractor only.
58. The labour employed by the contractor, if found in abetting and fellow labour or contractors or any BHEL employee, the same shall be considered as an act of indicipline. Such labourers shall be removed from the services of the contractor, on the advice of BHEL. Further the contractor shall initiate every necessary action in accordance with the relevant Laws, Rules & Regulations and enactments of State and Central Government.
59. Wherever, BHEL/COMPANY standards are mentioned, copies of which are enclosed

- shall be strictly followed.
60. Nothing contained in the contract agreement and its conditions shall be deemed to preclude or render inoperative the service of any notice, letter or other communication upon the contractor personally.
 61. The decision of the "Contracting Signing Officer" shall be final and binding on the contractor on all technical questions which may arise touching the contract with respect to the quality of material, workmanship, removal of improper work, interpretation of the working drawings, specifications, notes, procedures etc.
 62. All disputes arising in connection with the contract shall be settled by mutual consultation. If no agreement is reached the dispute shall be settled in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the rules made there under. The dispute shall be referred for arbitration to any arbitrator to be appointed by the Head of the Unit. The award of the arbitrator shall be final and binding on both the Parties. The venue of the Arbitration shall be Hyderabad in India. The Award to be given by the Arbitration shall be a speaking award. All questions, disputes, differences arising under, out of or in connection with this contract shall be to the exclusive jurisdiction of Sangareddy Courts.

(GENERAL CONDITIONS)

The quantities shown above are approximate and liable for variation.

All BHEL general conditions of the contract shall be applicable.

The contractor shall affix his signature at the end of each page and put rubber stamp wherever he signs in the Contract agreement or bills for making payment.

Any statutory increase in the labour wages during the period of execution shall be borne by the agency. The agency shall quote the rates considering the possible labour escalation also.

The rates quoted shall include all lifts, leads and other incidental charges mentioned in the General conditions of contract unless otherwise specified.

The department reserves the right to split and award the work to more than one agency.

The contractor should engage labours who should not be less than 18 (eighteen) years of age.

All the bills of contractors will be cleared by Finance Department subject to production of "Clearance Certificate" by the contractors in respect of compliance of all statutory requirement, issued by IR section of Personal Department.

MEASUREMENT OF WORK AND PAYMENT THEREOF.

A measurement Book will be maintained in Power distribution . The BHEL representative will make entries regarding the work executed by contractor at regular intervals. Contractor should enter details such as work carried at Boiler House with reference to Annexure-A!

The designated employee (Executive from Power Distribution) of the unit will review the work executed by the contractor and will made the entries in the Measurement book.

Shortcomings, if any, in the work executed will be pointed out by the designated employee to the contractor or his authorised representative and the same will be carried out by him within shortest period to he satisfaction of the designated employee.

Payment towards work satisfactorily executed will be made to the contractor.

All payments will be subject to deduction of tax deduction at source as per income tax rules.

SPECIAL TERMS & CONDITIONS

(Followed with work Schedule)

The Contractor shall arrange manpower whenever required

Contractor shall arrange Group Insurance and for all relevant rules for his staff.

The contractor is wholly responsible for any loss of life or partial disability of any of their employees while on duty.

In case of occurrence of any accident / injury of contractor's staff, BHEL will not pay any compensation while they are on duty and contractor has to take care of some under statutory obligation.

Under awardal of the work, the party the contractor's staff engaged for the purpose of BHEL works should not be claimed as part of the BHEL employees.

Upon awardal of the work, the party has to execute an agreement with BHEL as per General Agreement Conditions before commencement of work.

Above mentioned work shall be executed in accordance with the general agreement conditions applicable to job works as per OMI-195. A copy of the same can be had in soft of hard from the undersigned.

(SPECIAL CONDITIONS – SAFETY)

The following are a few safety measures suggested while carrying the work. However all the items of work should be carried out in safe working manner taking all precautions.

No person shall work on the live circuit without the express orders of the supervisor. It shall be made sure that all safety precautions have been taken and the person is accompanied by a second person competent to render First Aid and Artificial Respiration.

The contractor shall keep a supervisor always at work site.

Proper and necessary tools are to be used for carrying out all types of works.

NOTE :

The Service Tax and VAT as applicable is extra which will be paid by BHEL to the agency after submission of necessary valid documents by the agency.

The works are to be carried out in accordance with IE rules 1956. After completion of erection works, the contractor has to arrange inspection by CEA and obtain the permission for charging the sub-station. BHEL will provide all relevant drgs and pay only the processing fee indicated by CEA and other necessary arrangements shall be borne by the contractor.

Contractor shall shift the materials from different locations inside the factory to the project site and return back the left over materials after completion of the work to the project stores or as per the instructions of the site engineer. The contractor shall mark with paint on all panels regarding power cables size & FROM/TO destinations.

Contractor should have valid 11KV, HT Electrical licence from the competent authority. Before starting any work, Work permit has to be obtained and Any shutdown has to be taken without effecting production/testing schedules.

All materials should be of Standard make and should be approved by Site incharge.

All tools & tackles, testing & measuring equipments are in the scope of Contractor.

Contractor should employ qualified Electrical supervisor, qualified HT jointer & skilled Electricians.

Contractor has to supply aluminium tags and tag on cables at a distance of 10 Mts.

Erection & commissioning of all Compact Sub-stations shall be in the scope of contractor under supervision of M/s. ABB India Ltd.,

Should be submitted in a sealed cover

ANNEXURE- I

PRICE BID

SCHEDULE OF WORK FOR INSTALLATION OF 1000KVA & 2000KVA
COMPACT SUB-STATIONS (CSS)

S.No.	DESCRIPTION OF WORK	QTY	UNIT	RATE Rs	AMOUNT Rs.
ELECTRICAL WORKS - I					
1)	<p>Shifting, erection, testing & commissioning of Compact Sub-stations of 1000KVA Capacity (BHEL supply).</p> <p>a) Shifting of 1000KVA Compact Sub-stations consisting of HT Breakers, Dry type Transformer & LT Breakers from stores to various Sub-stations in factory. Size of CSS : 3230(L) X 2330(W) X 2415(H) mm. Weight of CSS : 6800 Kgs (Approx).</p> <p>b) Removal of packing material of CSS and check up the intactness of all items.</p> <p>c) Erection of CSS on the foundation (fix up all fasteners including foundation bolts as per drawing)</p> <p>d) Tightening of all bus bars from panel to panel, inside fasteners clean up with cleaning agent and apply grease where ever it is required.</p> <p>e) All Control wiring (AC & DC) has to be done for individual panel and panel to panel etc.,</p> <p>f) Fixing up of all loose items such as VTs, CTs, Relays, measuring instruments (meters) and indication accessories etc.,</p> <p>g) Checking up of CSS top with spirit level and align properly.</p> <p>h) Double earthing with GI flat of 50X6mm size for all panels.</p> <p>I) Checking up of IR values and testing of its continuity etc., for all panels and recording the same.</p> <p>j) Checking up of mechanical and electrical operation of all panels.</p>	5	sets		
2)	<p>Shifting, erection, testing & commissioning of Compact Sub-stations of 2000KVA Capacity (BHEL supply).</p> <p>a) Shifting of 2000KVA Compact Sub-stations consisting of HT Breakers, Dry type Transformer & LT Breakers from stores to various Sub-stations in factory. Size of CSS : 3830(L) X 2330(W) X 2415(H) mm. Weight of CSS : 7800 Kgs (Approx).</p> <p>all activities same as above from 1(b) to 1(j)</p>	2	sets		

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S.N o.	DESCRIPTION OF WORK	QTY	UNIT	RATE Rs.	AMOUNT Rs.
3)	Shifting, Assembly, Erection and Commissioning of 11KV, 1600 A, VM-12 , BHEL make, Indoor type VCBs. The VCBs shall erect on the trenches by providing MS material at T44 & T60 Substations. The job includes primary injection, secondary injection and testing of relays mounted on VCB panels. Approx. Size: 820(L) x 1833(W) x 2580(H) mm and Wt: 500kgs each.	2	Nos		
4)	Shifting, erection, testing & comissioning of LT panel board (BHEL supply). The panel board consist of 2 Nos. of 3200/2000 A incomers and 6 Nos of 630 A outgoing breakers. The panel board should be erected on the cable trenches as per site requirement by welding MS channels and positioned and aligned, The panel board compartments are to be neatly assembled, reconditioned & rewired as per drawing. The job includes meters/ relays fixing, double earthing with GI flat of size 50x6mm. Size : 2750(L) X 615(W) X 1850(H).	7	sets		
5)	Shifting, erection, testing and commissioning of 30V, 10A Battery charger & 100AH Batteries (BHEL supply) by giving the supply of 230 V through a MCB of 16 A. The DC source to be connected from individual MCBs to HT panels, LT panels and transformer for tripping circuits through separate fuse units. The job includes positioning of batteries in a systematic manner, inter connectons and supply of MCBs for AC & DC circuits as advised by site engineer.	7	sets		
6)	Shifting, erection, testing and commissioning of 300KVAR / 600 KVAR APFC Panels. The panel should be erected on the cable trenches as per site requirement by welding MS channels and aligned. The job includes meters/ relays fixing, double earthing with GI flat of size 50x6mm. Size : 1260(L) X 610(W) X 1850(H).	7	sets		
7)	Shifting & Laying of XLPE/PVC insulated and sheathed Al. armoured Cable(BHEL supply) of 11000/1100V grade. The Cable has to be laid in the existing RCC Cable Trench/Rack. The Cable has to be laid for CSS HT Breaker and from LT ACB/ MCCB to Distribution Boards including fixing of trefoil clamps & dressing.				
a)	3C X 95 Sq.mm HT XLPE Cable	1065	R.Mtrs		
b)	1C X 500 Sq.mm HT XLPE Cable	258	R.Mtrs		
c)	3 1/2C X 300 Sq.mm LT PVC Cable	13452	R.Mtrs		

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S.No.	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
				Rs.	Rs.
8)	Execution of 11KV, HT Heat Shrinkable end terminations for following HT XLPE Cables and LT PVC Cables end terminations with Copper lugs including supply of Clamps, Glands, Copper lugs and complete termination works etc., by qualified Cable jointer.				
a)	1C X 500 Sq.mm HT XLPE Cable end terminations	12	Nos		
b)	3 1/2C X 300 Sq.mm LT PVC Cable end terminations	260	Nos		
8	Supply and Execution of uniterm heat shrinkable HT end termination joint kits, Indoor type of Raychem make with Copper lugs including supply of Clamps, Glands, Copper lugs and complete termination works etc., by qualified Cable jointer for 3C x 95 sq.mm, 11KV, UE, XLPE PVC Al armoured cable.	23	Nos		
7)	Supply and Execution of uniterm heat shrinkable HT straight through joint kits of Raychem make with suitable copper inline connectors for following HT XLPE Cables with proper earthing as per site requirements by qualified Cable jointer for 3C X 95 Sq.mm HT XLPE Cable	15	Nos		
8)	Execution of 11KV, HT Heat Shrinkable Straight though joints for HT XLPE Cables with Copper inline connectors including supply of Copper inline connectors and complete jointing works etc., by qualified Cable jointer for 1C X 500 Sq.mm HT XLPE Cable	12	Nos		
9)	Supply and Execution of uniterm heat shrinkable LT straight through joint kits of Raychem make suitable for 31/2C x 240 / 300 sq.mm, 1.1KV, PVC Al armoured cable.	24	Nos		
10)	Shifting & Laying of 4C X 2.5 Sq.mm Copper cable for control supply of Transformers, HT< panels through individual MCB for protection.	700	R.Mtrs		
11)	End terminations for 4C X 2.5 Sq.mm Copper cable for control supply of Transformers, HT< panels through individual MCB for protection. This job includes the jointing of control cable at both sides.	56	Nos		
12)	Shifting, Fabrication and Erection of structural steel for equipment/cable tray support etc.including red oxide painting. Supply of red oxide paint is in the scope of contractor.	7	tons		
13)	Shifting & Erection of cable tray upto 600mm width of ladder / perforated type. The job includes fabrication of cable tray bends wherever required.	540	Mtrs		

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S.N o.	DESCRIPTION OF WORK	QTY	UNIT	RATE Rs.	AMOUNT Rs.
14)	Supply and Erection of Earth pits for Equipment body earthing with 65mm dia GI pipe Medium (class-B), strictly as per IS: 3043, 3000mm long with holes of 12mm dia at 150mm apart at random & 50x6x260mm MS Earthing plate welded to pipe as per drawing. The work including supply of material for alternate layers of charcoal, salt and making RCC/brick chambers with MS/cast iron cover. Contractor shall dig 300mm depth and 200mm width trench in the soil for laying the earth flat from earth pit electrode to earth mat/equipment. Supply & Construction of earth pit of size 1000x1000x3300mm as per IS:3043 with latest amendments which includes 65X6X3300mm GI pipe, coal, salt, brick works, cement plastering, funnel, GI hardware etc. and painting of identification number on earth pit.	28	Nos		
15)	Supply and Erection of Earth pits for power distribution transformer neutral earthing with 1200x1200x12mm GI plate, 50mm dia 2500mm long GI pipe with holes of 1/4" dia at 4" apart at random & 75x10, 2250mm long GI flat material as per drawing. The work including supply of material for alternate layers of charcoal, salt and making RCC/Brick chambers with MS/Cast iron cover. Contractor shall dig 300mm depth and 200mm width trench in the soil for laying the copper cable from earth pit electrode to transformer neutral.	14	Nos		
16)	Shifting & Earthing of Equipment from nearest Earth riser with 50x6mm/25x3mm GI flat. Work includes supply and apply of Aluminium paint at each welding points.	2100	Mtrs		
17)	Disconnection, dismantling and removing of various Switchgear panels by removing busbars and seal proper identification marks and shifting to stores/scrap yard as per site engineer instructions.				
a)	HT Switchgear Panels of type BVP3, BVP4, IB4 & BVM12 of BHEL Bhopal make	23	tons		
b)	750/1000 KVA, 11KV/416V Transformers	28	tons		
c)	LT Switchgear Panel of Statter / Marine type	14	tons		
d)	Switch tripping unit/Battery Charger & LTTSC	7	tons		
18)	Removing of various HT/LT Cables of sizes 3CX95/120, 3 1/2 X 300/240 & 1X400 Sq.mm XLPE/PILC/PVC Cables from trenches and shifting to stores / scrap yard as per site engineer instructions.	10090	R.Mtrs		
19)	Earth excavation for cable trench of two meter width X one meter depth In all soils except hard rock.	175	R.Mtrs		
ELECTRICAL WORKS - I		TOTAL AMOUNT Rs.			

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S.No.	DESCRIPTION OF WORK	QTY	UNIT	RATE Rs. .	AMOUNT Rs.
	PLATFORM WORKS - II				
1	Earth work in excavation by mechanical means (Hydraulic Excavators) / manual means in foundations trenches or drains (not exceeding 1.5m in width or 10 Sq.m on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed , within a lead of 50m.	119.500	Cu.M		
2	Earth work in excavation by mechanical means (Hydraulic Excavators) / manual means over areas (exceeding 30 cm in depth , 1.5 m in width as well as 10 Sq.m on plan) including disposal of excavated earth , lead upto 50 m and lift upto 1.5 m, disposing earth to be levelled and neatly dressed for Hard Rock (Blasting prohibited).	36.000	Cu.M		
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering including consolidation by vibrations for all works up to plinth level with 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 40 mm nominal size).				
a	Main Foundation	11.500	Cu.M		
b	Below Steps Area	3.100	Cu.M		
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering including consolidation by vibrations for all works up to plinth level with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size).				
a	Side 2 and 4	22.000	Cu.M		
b	Side 1 and 3	34.000	Cu.M		
5	Providing and laying in position ready mix concrete manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 25 KM having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C from transit mixer to site of laying, excluding the cost of centering, shuttering finishing and reinforcement including cost of admixures in recommended proportions as per ID: 9103 to accelerate/retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge. M 25 grade Reinforced cement concrete by using 410 kgs of cement per cu.m of concrete. All works upto floor V level. as per IS 456: 2000 for all concrete works upto all levels.	69.500	Cu.M		

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S.No.	DESCRIPTION OF WORK	QTY	UNIT	RATE		AMOUNT
				Rs.	Ps.	
6	Centering and shuttering including strutting,propping etc; and removal of form work, for columns, pillars,peirs,abutments,machine foundations, posts and struts.	257.500	Sq.M			
7	Reinforcment for R.C.C. work including straightening , cutting , bending , placing in position and binding grills with binding wire all complete by cold twisted deformed bars.	1.630	MT			
8	Conveyance of excavated spoil up to a lead of 2 Kms, including loading , unloading and spreading etc. complete as directed by Engineer- incharge.	119.500	Cu.M			
9	Supply and fixing in position 60 mm thick / 30 mm thick in two layers thermocoal including cost of materials, labour etc., complete.	101.100	Sq.M			
PLATFORM WORKS - II - TOTAL AMOUNT Rs.						

S.No.	DESCRIPTION OF WORK	QTY	UNIT	RATE		AMOUNT
				Rs.	Ps.	Rs.
	RCC CABLE TRENCH WORKS - III					
1	Earth work in excavation in all soils by mechanical means (Hydraulic Excavators) / manual means in foundations trenches or drains (not exceeding 1.5m in width or 10 Sq.m on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50M	225.00	Cu.m			
2	Earth work in excavation by mechanical means (Hydraulic Excavators) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 Sq.m on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5m, disposing earth to be levelled and neatly dressed for Hard Rock (Blasting Prohibited).	22.50	Cu.m			
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering including consolidation by vibrations for all works up to plinth level with 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size).	16.50	Cu.m			
4	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement, including consolidation by vibrations for all works up to plinth level with 1:1 1/2:3 (1 Cement : 1 1/2 coarse sand 3 graded stone aggregate of 20mm nominal size)	55.00	Cu.m			
5	Centering and shuttering including strutting, propping etc; and removal of form work, for columns, pillars, piers, abutments, machine foundation, posts and struts.	465.00	Sq.M			
6	Reinforcement of R.C.C.work including straightening, cutting, bending, placing in position and binding grills with binding wire all complete by cold twisted bars.	3.00	MT			
7	conveyance of excavated spoil up to a lead of 2Kms, including loading, unloading and spreading etc. complete as directed by Engineer-in-charge.	80.00	Cu.m			
8	Filling with available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidation each deposited layer by ramming and watering, lead upto 50.00m and lift upto 1.50m	145.00	Cu.m			

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S.No.	DESCRIPTION OF WORK	QTY	UNIT	RATE Rs	AMOUNT Rs.
9	Fabrication and fixing inserts in concrete wall with lugs of required dia welded to the insert plates. (St. Steel, electrodes and gas required for work will be issued on free of cost by BHEL at their stores)	8.00	MT		
10	Casting and placing in position of R.C.C. cable trench covers of 75 mm thick of mix 1:1.5:3 with 20 mm down graded metal including cutting, welding of angle iron frame, spreading of Ironite powder at 2Kg/ Sq.m, neat finishing etc. (Fabrication of Angle iron frame and reinforcement will be paid separately under different items).	135.00	Sq.M		
	RCC CABLE TRENCH WORKS - III - TOTAL AMOUNT Rs.				
	ELECTRICAL WORKS - TOTAL AMOUNT - (I)				
	PLATFORM WORKS - TOTAL AMOUNT - (II)				
	RCC CABLE TRENCH WORKS - TOTAL AMOUNT - (III)				
	TOTAL AMOUNT - (I + II + III)				
	Applicable Taxes & Duties				
	GRAND TOTAL AMOUNT (including taxes & Duties)				