



Bharat Heavy Electricals Limited
ELECTRONICS DIVISION
Mysore Road, Bangalore – 560026

Phone No.080-26998332
SC&PV - PVSS. DEPT.


NOTICE INVITING TENDERS

1. TENDER NUMBER(RFQ): **EDN/SCPV/PVSS/10MW/BEL/BOL/ROAD & DRAINS/02**
2. NAME OF WORK : Construction of Roads, drains, pathways, Culverts and other associated Civil works for 10 MWp SPV power plant for BEL, at Ordinance factory, Badmal, Bolangir, ODISHA.

(All listed works shall be Undertaken and executed)

3. ESTIMATED COST : Rs.153.00 Lakhs (APPROX.) Exclusive of all taxes/GST etc.
4. EARNEST MONEY DEPOSIT : **Rs.3.06 Lakhs**
5. SECURITY DEPOSIT : 50% of SD shall be submitted before start of work; Balance will be recovered from running Bills at a rate of 10%. (SD= 5% of the work order amount); 50% of SD will be released after completion of all the works and remaining 50% after 6 months from the date of completion of all the works.
6. COMPLETION TIME : **2 Months (from the date of acceptance of LOA/work order/handing over of site for all the activities put together)**
7. LAST DATE AND TIME FOR THE SUBMISSION OF DULY FILLED IN TENDER DOCUMENT : **Before 01:00 P.M On 18.09.2017**
8. PLACE OF SUBMISSION OF TENDER DOCUMENT : N.Harihara Krishnan, AGM(SC&PV- Engg) 5th Floor, New Engineering Building, BHEL- Electronics Division Mysore Road, Bangalore -560 026.
9. ADDRESS TO BE SUPERSCRIBED : ON TENDER ENVELOPE : N.Harihara Krishnan, AGM(SC&PV- Engg) 5th Floor, New Engineering Building, BHEL- Electronics Division, Mysore Road, Bangalore-560026.
10. DATE AND TIME OF TECHNICAL BID OPENING : **ON 18.09.2017 AT 01:30 PM**

NOTE: The Tenderer shall return the duly filled in Tender document after affixing Signatures & seal on all pages and submit.


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 026

CONTRACTOR (SEAL &SIGNATURE)



Bharat Heavy Electricals Ltd
Electronics Division
Mysore Road, Bangalore – 560026

Tender Document for

Construction of Roads, drains, Pathways, Culverts and other associated Civil works for 10 MWp SPV power plant for BEL, at Ordinance factory, Badmal, Bolangir, ODISHA.

TENDER/RFQ NO. : EDN/SCPV/PVSS/10MW/BEL/BOL/ROAD & DRAINS/02

TECHNICAL BID DATE OF SUBMISSION/OPENING: 18-09-2017 (Price bid opening date intimation will be given separately)

| | | | |
|-----------|-------------------------------------|-------|----------|
| Part – I | Technical cum Commercial Bid | ..... | 41 Pages |
| | Unpriced Price Bid | ..... | 02 Pages |
| | BHEL General Conditions of Contract | ..... | 41 Pages |
| | Technical Specifications | ..... | 16 Pages |
| Part – II | Price Bid | ..... | 02 Pages |

Note:

1. Part – I: To be submitted in a separate sealed cover.
2. Part – II: To be submitted in a separate sealed cover.
3. Earnest Money Deposit of Rupees 3.06 Lakhs in the form of DD in favor of BHEL-EDN should be submitted in a separate sealed cover.
4. Tenders will be liable for rejection if the above DD is not submitted.
5. Part-I, Part-II, Tender EMD sealed covers should be put in outer envelope and super scribing the Name of work and Name & Address of the Tenderer.

CONTRACTOR (SEAL &SIGNATURE)



BHARAT HEAVY ELECTRICALS LTD, ELECTRONICS DIVISION, BANGALORE-26
TENDER NO. : EDN/SCPV/PVSS/10MW/BEL/BOL/ROAD & DRAINS/02

PART-I TECHNICAL-CUM-COMMERCIAL BID

(To be furnished by the Bidders)

1. NAME OF THE WORK : Construction of Roads, drains, Pathways, culverts and other associated Civil works for 10 MWp SPV power plant for BEL, at Ordinance factory, Badmal, Bolangir, Odisha.

(All listed works shall be Undertaken and executed)

2. APPROXIMATE ESTT.COST RS. : Rs.153.00 Lakhs (APPROX.) Exclusive all

3. COMPLETION PERIOD : 2 Months (from the date of acceptance of LOA/work order/handing over of site for all the activities put together)

4. NAME OF THE CONTRACTOR :

5. ADDRESS

(A) OFFICE :

E-mail :

TEL. PH. NO. :

(B) RESIDENCE :

TEL.PH NO :

6. PAN NO :

7. SERVICE TAX NO :

08 TIN/VAT NO :

9. PLANT/EQUIPMENTS : List enclosed/not enclosed

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SCPV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025



10. a) SCOPE OF WORK : UNDERSTOOD/ NOT UNDERSTOOD
(As per schedule of items)
- b) Accept to execute in total : YES/ NO
- c) Accept to execute all construction: YES/ NO
Activities mentioned above
Simultaneously.
- e) In order to complete the project
in the 2 Months schedule, vendor
to deploy separate teams for
Individual activities along with
tools and machineries. : YES/ NO

11. a) EMD PARTICULARS (DEMAND DRAFT) :

b) Electronic Funds Transfer (EFT) form enclosed : Please fill up the form in ANNEXURE-II

12. Penalty of 1.0% per week or part thereof on delay of contract value of work subject to
Ceiling of 10% of the contract Value. : Accepted / Not accepted

13. Site Inspection certificate (Annexure III) : To be enclosed

Note: Bidders are advised to quote their best prices (% over the estimate +/_) as no further price bids will be accepted in case BHEL decides to open price bids instead of reverse auction.

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



Bidder to note (Mandatory requirement)

1. Bidder to have carried out WORKS like roads, drains/bridges/culverts, similar kind of works. (Supporting documents to be submitted)
2. BHEL Payment terms acceptance.
3. Bidders to submit the unpriced copy of the price schedule for compliance to the terms and quantities indicated in the price schedule along with the technical bid duly stamped according their acceptance.

Techno Commercial bid to be filled by the bidder.

| S.no | Description | Confirmation | Remarks |
|------|--|--------------|--|
| 1 | Work Cycle time of 2months | YES/NO | |
| 2 | Machineries to be deployed | YES/NO | List to be furnished. |
| 3 | Financial Outlay for meeting the project requirement | YES/NO | Arrangements to be specified, solvency certificate from nationalized bank for minimum 50 Lakhs to be furnished (not earlier than 12 months from the final date of Tender submission) |
| 4 | Providing experience of Similar kind of works | YES/NO | Bidders to support with credentials separately like completion certificate/Work experience certificate |
| 5 | BHEL Payment terms acceptance (Cl no.21 of Special Conditions of Contract) | YES/NO | |
| 6 | BHEL reserves right to conduct reverse auction. Indicate acceptance. | YES/NO | |

Note: 1.0 Bidders are advised to quote their best prices as no further price bids will be accepted in case BHEL decides to open price bids instead of reverse auction.

2.1 BHEL reserves the right to award the contract by splitting the total requirements among two (2) contractors in the ratio of approximately (Approx. in %, 60: 40) as per site requirement and nature of work in the order of their ranking L1, L2. BHEL reserves the right to negotiate the rates with overall L-1 party. The final rates agreed with the L-1 party will be counter offered to L-2 party and so on till BHEL gets sufficient number of Contractors as above.

Note: Offers of the Tenderers not meeting the above requirements are liable to be rejected.

CONTRACTOR (SEAL &SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



Documents required to be submitted

1. Registration Certificate with ESI and PF Authority/Declaration.
2. Income Tax Returns for last Three years
3. Balance Sheet and Profit & Loss Account for the last Three years
4. Work on hand in letter head
5. Availability of Technical personnel in letter head.
6. Registration with BHEL/CPWD/other Govt. organization/PSU if any

Special Conditions:

- (i) Successful Bidder should establish their Site office at Construction site, including common facilities such as toilet, water, electricity etc. in consultation with BHEL. Contractor has to arrange water and power as required for completing the job in the stipulated time frame at their own cost.
- (ii) The bidders should furnish "Site Inspection Certificate" in Annexure-III enclosed herewith.
- (iii) Bidders should study the prevailing Market trend of Construction materials/labourers/other relevant requirement before quote and submit the competitive price.
- (iv) The bidders should carry out preliminary survey at proposed construction site before submission of offer to ensure that the rate quoted for the relevant schedule of items are correct.
- (v) Contractor to note BHEL reserves the right to get any part of the work done through other agency or deploy BHEL's own/hired/otherwise arranged resources, at the risk and cost of the contractor after due notice of a period of two weeks by BHEL, in the event of:-
 - a) Contractors continued poor progress
 - b) Withdrawal from or abandonment of the work before completion of the work.
 - c) Contractor's inability to progress the work for completion as stipulated in the contract
 - d) Poor quality of work
 - e) Corrupt act of Contractor
 - f) Insolvency of the contractor
 - g) Persistent disregard to the instructions of BHEL
 - h) Assignment, transfer, sub-letting of contract without BHEL's written permission
 - i) Non fulfillment of any contractual obligations
 - j) In the opinion of BHEL, the contractor is overloaded and is not in a position to execute job as per required schedule.
- (vi) The liquidated damages/penalties arising out of Risk and Cost as explained under Sl.no (v). BHEL shall recover the amount from any money due from Contractor, or from any money due to the contractor including security deposit, or by forfeiting any T & P or material of the contractor under this contract or any other contract of BHEL or by any other means or any combination thereof.

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025



(vii) Documents to be submitted on award of work (as applicable):

- a) Security deposit in the form of Cash/DD/ NSC's / Kisan Vikas Patra / FDR/ Bank Guarantee in favour of BHEL
- (c) Electronic Fund Transfer Form duly signed & sealed by banker along with cancelled cheque copy
- (d) Labour license of the workmen engaged valid for contract period **if applicable.**
- (e) Workmen Compensation Insurance Policy for the workmen engaged valid for contract period **if Applicable.**
- (f) Deduction of VAT (WCT) at source would be enforced from the running bills at the rates prescribed unless exemption certificate is produced from the concerned authorities.

(vii) The following documents are to be submitted along with the Running Account Bills for process of payment

- a) Tax Invoice with details of TIN number of BHEL and contractor.
- b) Measurement books duly filled and signed officials of BHEL and contractor
- c) Provident PF Remittance challan for work done month.
- d) ESI Remittance challan for work done month.
- e) Invoice submitted along with running bills to indicate the service tax amount charged and bear the Service tax Number.

Bill submitted subsequently to be accompanied with a declaration that service tax liability on the earlier bill has been discharged

- i. by paying money to the Government (along with Tax paid Challan Copy)
- ii. by utilization of Input Service tax Credit
- f) Letter of undertaking declaring inclusion of VAT Monthly/quarterly VAT return, duly incorporating the erection income from BHEL as turnover. Copy of such returns should be submitted to BHEL at regular intervals with all annexure and details of payment of VAT (WCT).

Mobilization at site:

- 1) Requisite Material, men and machinery (JCB, Total station etc.) should be arranged in order to complete the project within stipulated time period.
- 2) The contractor shall carry the work as per the approved Field Quality Plan issued by BHEL.
- 3) Lab has to be established at site for carrying out testing as per Field Quality Plan, or get it tested in BHEL/BEL approved third party laboratory.
- 4) Calibration of equipment's should be done by NABL/NPL accredited laboratories.
- 5) Contractor should submit the royalty certificates if required, for quantity of Coarse and fine aggregates used at site.
- 6) Cement/Steel Test certificates from Manufacturer with proper correlation as per FQP to be given.

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025



Bharat Heavy Electricals Limited
ELECTRONICS DIVISION MYSORE
ROAD- BANGALORE-26

INSTRUCTIONS TO TENDERER

1. Sealed Tender for the above noted work is hereby invited from Contractors experienced in similar civil works like Roads, drains/bridges/Culverts, similar kind of works.
2. Scope of work for 10MW: Construction of roads, drains, pathways and culverts and associated Civil works for 10 MWp SPV power plant for BEL, at Ordinance factory, Badmal, Bolangir, Odisha as per Tender/approved construction drawing, Bill of Quantity as per instruction of Engineer in charge, terms and condition of contract. However Depending on site conditions minor modification in works may be necessary
3. Location and Approach

| | |
|--------------------------|---------------------|
| Village | Badmal |
| Taluk | GOLAPI |
| District | Bolangir |
| Location | ORDNANCE FACTORY |
| Nearest Urban Area | BHUBANESHWAR |
| Nearest Highway | NH 57 |
| Nearest Railway Station | Bolangir |
| Nearest Domestic Airport | RAIPUR/BHUBANESHWAR |
| Village Taluk | Gudvella |
| District | Bolangir |
| State | Odisha |

4. Tenders should be addressed to N.Harihara Krishnan, AGM/SC&PV-Engg, NEB 5th Floor, Electronics Division, Bharat Heavy Electricals Limited, Mysore road, Bangalore – 560 026. In three separate sealed cover for “Technical cum Commercial Bid”, Price Bid and DD for Tender document Cost (if applicable) & EMD duly super scribed and put in an outer envelope, super scribing the Name of work, Tender no. and Name and address of the Tenderer.

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 026



5. The local address of the Contractors (if available), the name of the person to whom all the Correspondence are to be addressed should be indicated, with telephone number (both office and residence).
6. All entries in tender documents should be in one ink (preferably blue ink). Erasing and overwriting is not permitted. All corrections should be duly signed by tenderer concerned.
7. Tenderers shall fill in all the required particular in the blank space provided for this purpose in the tender documents and also sign in each and every page of the tender document including the drawings attached there to before submitting tender.
8. The percentage to be quoted by the tenderer shall be firm and shall cover and include all statutory levies such as "Octroi, sales tax, excise duty etc., arising from Act passed by Parliament or State Legislature and rules framed there under. The percentage shall further be deemed to include statutory levies arising from such Acts, Central or State, which may come into force, subsequent to submission of tenders.
9. (a) The percentage quoted in the tender shall remain valid for a period of 'THREE MONTHS' from the date of opening tender.
(b) Tenderer shall not increase quoted percentage, once the tenderer has submitted offers/quotation/price and during execution of contract in case tender is accepted.
(c) Successful bidder should execute the work strictly in accordance with Tender schedule quoted percentage as accepted by BHEL.
(d) **PRICE VARIATION clause not applicable.**

CONTRACTOR (SEAL & SIGNATURE)



ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



10. The percentage quoted should be exclusive of all taxes arising on the transaction. If BHEL is required to discharge the liability of any taxes on the transaction like TDS(IT), TDS(WCT), under reverse charge mechanism or any other similar taxes, which is or becomes payable by BHEL, the same shall be deducted from the bills of the contractor. **The percentage quoted by bidder shall be excluding all taxes in price bid.**
11. Quantities shown in the 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). Deviation beyond the above limits is subject to the standard terms and conditions of BHEL.
12. Before tendering, the tenderer are advised to inspect the site of work and its environments and be well acquainted with the actual working and other prevailing conditions, position of material and labour. They should be well versed with BHEL General Conditions of Contract instruction to the tenderers, drawing and specification and all other documents which form part of the agreement to be entered into subsequent to award of work. The tenderer should be specially note that it is tenderers responsibility to provide any items which is not specifically mentioned in the specifications and drawing, but which is necessary to complete the work.
13. Details and quantities of each item of work shown in the bill of quantities attached here to only approximate. They are given as a guide for the purpose of tendering only and are liable for variation and alteration at the discretion of the competent authority. The work under each item as executed shall be measured and price at the corresponding percentage to be quoted by the Contractor in the bill of quantities attached here to.
14. In the event of the tender being submitted by a 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

CONTRACTOR (SEAL & SIGNATURE)

ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



on behalf of firm concerned. In the later case, a copy of the power of Attorney duly attested by a Gazetted Officer must accompany the tender.

15. If in any case, the date of Tender Opening falls on holiday, the Tender will be opened on the next working day.
16. **A.** Every tender must be accompanied by Earnest Money Deposit. This earnest money will be refunded to the unsuccessful tenderer after finalization of the award of work. In the case of successful tenderer, the earnest money will be retained as a part of Security Deposit for satisfactory completion of the work in accordance with Clause-16 of BHEL General Conditions of the Contract. Tenders without Earnest Money Deposit receipt are liable to reject. No interest will be paid on the earnest money deposit.
B. MSE suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (Five years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed at Annexure -1 where deemed validity of EM II certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (Part 1 in case of two part bid). Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefits shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal.
17. **The Earnest money deposit may be furnished**
 - a) **Demand Draft in favour of BHEL EDN, Bangalore – 560026.**
18. For reimbursement of Earnest Money Deposit, the tenderer should fill the enclosed EFT form, obtain the Banker's signature and also enclose a photocopy of cancelled cheque leaf.
19. Unless the bidder whose tender is accepted signs contract agreement within 1 month (30 days) of the date of the order directing to do so, the amount of Earnest Money already deposited by bidder will be forfeited and acceptance of the tender withdrawn.
20. If after opening of tenders a tenderer revokes the tender or increase of earlier quoted percentage or after acceptance of his tender does not commence the work in accordance with the instruction of Engineer- in-charge, the Earnest Money Deposited by bidder will be forfeited and acceptance of bidder's tender withdrawn.

CONTRACTOR (SEAL & SIGNATURE)

ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 026



If only a part of work included in the tender had been awarded to the tenderer, the amount of Earnest Money to be retained will be based on value of the contract so awarded.

21. The BHARAT HEAVY ELECTRICALS LIMITED reserve the right to reject any or all the tenders received or accept any tender or part thereof without assigning reason thereof. In the case of acceptance of a part of tender, the time for completion may also be reduced to the extent considered necessary by the accepting authority.
22. Conditional and Unsigned tenders, tenders which are incomplete or otherwise considered defective, tenders which are not in accordance with the tender conditions laid down by the accepting officer and tenders not submitted in the prescribed forms are liable to be rejected.
23. Tenderer shall submit Solvency Certificate for the value specified from a Bank of standing regarding the tenderer's financial position.
24. The tenderers should enclose relevant documents regarding constitution of firm i.e. Individual / Sole Proprietorship Concern / Partnership Firm / Public Limited Company / Private Limited.
25. The tenders should be enclosed with a list of contracts already held by the tenderer at the time of submitting the tender and giving the following particulars:
 - a) Name of the work, value and address.
 - b) The balance work remaining to be done on the same.
26.
 - a) The filled in tender sealed cover should be dropped in the Tender box kept in the reception of BHEL-EDN, in case the sealed tender document is large and not possible to drop the same in the Tender box, it should be handed over at office of AGM ,SC&PV- Engg before the time fixed for submission of tender.
 - b) Tenders received after the due date & time of opening of tenders will be rejected.
27. The Contractors responsibility under this contract shall commence from date of receipt of the order or acceptance of tender.
28. Tenders submitted by speed post or courier service shall be posted with due consideration of any delay in postal delivery. Tenders received after the due date of opening tenders are liable to be rejected.
29. If proprietor or partner of a firm expires after the submission of tender or after the acceptance of tender, BHEL reserves the right to cancel the contract if the character of the firm undergoes a substantial change.

CONTRACTOR (SEAL & SIGNATURE)

ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



30. THE BHARAT HEAVY ELECTRICALS LIMITED will not be bound by any power of Attorney granted by the tenderer or changes in the composition of firm made subsequent to signing of the contract. They may however recognize such power of Attorney and changes after obtaining proper legal advice.
31. If the tenderer deliberately gives wrong information on tender regarding past unsatisfactory performance with BHEL sister units, BHEL reserves the right to reject such tender at any stage including contract execution period.
32. Words imparting the singular number shall also be deemed to include the plural number and vice-versa where the context so require.
33. The General and Special Conditions are complementary to each other and where they are in conflict, the special condition shall prevail.
34. The expenses for completing the stamping agreement shall be paid by the contractor.
35. Unless or otherwise stated above tendered work includes men, material, machine and commissioning of equipment as agreed to in the contract.
36. After completing of the job, the contractor has to furnish actual drawings of work done in consultation with Engineer-in-charge.
37. Any covering letter and comments of the tenderer should be submitted along with the offer.
38. Cement and steel for carrying out Civil Works will have to be procured by the Contractor. Materials shall be accompanied with Test certificates and connected dispatch documents for proof of source from approved manufacturer's works or stockyard. The Contractor shall provide all the materials needed for trial run, testing including chemicals, consumables etc. In quoting their rates, the Contractors are advised to take into account the cost of the above materials.
39. Contractor are required to follow Field Quality Plan (FQP) for Civil construction as approved by BHEL/customer in respect of Tests to be carried out and reports and documents to be furnished.
40. Should a tenderer or a contractor has a relative or in the case of firm or company, any of its shareholders relative is employed in 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.
41. These 'INSTRUCTIONS TO TENDERER' & GENERAL CONDITIONS OF CONTRACT OF BHEL' shall be deemed to form an integral part of the Contract agreement for the work to be entered into. The Contractor has to scrutinize the same, and when submitting his tender, indicate his acceptance of both.

CONTRACTOR (SEAL & SIGNATURE)

ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮುಖ್ಯಮಂಡಳಿ ಅಧಿಕಾರಿಗಳ ಕಛೇರಿ
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮುಖ್ಯಮಂಡಳಿ ಅಧಿಕಾರಿಗಳ ಕಛೇರಿ
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



In cases of variation between the two in any matter, the conditions in the 'THE INSTRUCTIONS TO TENDERER' shall prevail. (Extracts of important clauses of BHEL GCC are enclosed).

42. All operations to be carried out by the Contractor during the execution of the contract such as drilling, welding etc., shall be done with proper equipment to be brought by the tenderer. Contractor shall make his own power and water supply.
43. The Contractor shall comply with the provision of Employees Provident Fund's and miscellaneous Provisions Act 1952 and rules, regulations and other orders issued there under. He as an employer shall be liable to pay employer's contribution/deductions towards PF under the PF Act in respect of all labour employed by him for the execution of the contract in accordance with the provisions of the Employees' Provident Funds and Miscellaneous Provisions Act, 1952 as amended from time to time. For this purpose he shall indicate the code number obtained from the Regional Provident Fund Commissioner or he should obtain a code number if he has not and produce the Photostat copy of the challan receipt of monthly remittance of the contribution made by him to the Commissioner. He shall also furnish such returns such returns as are due, under the Act, to be sent to the appropriate authorities through the Principal Employer".
44. The Contractor should get himself registered with the E.S.I Authorities as an independent Employer, obtain a separate code number and remit the dues in respect of the Labour employed by him for the work and produce the challans/Receipts of remittance of the ESI contributions due under the E.S.I Act to the Company authorities. He shall also furnish such returns, as are due, under the Act, to be sent to the appropriate authorities' through the Principal Employer. The contractor can remit their ESI & PF through a sub-agent who processes the ESI & PF code and agrees to enter an MOU with the contractor.
45. If any action is brought in by P.F. Commissioner/ESI authorities on BHEL for the work done by the Contractor for his labourers regarding PF/ESI amount due, short remittances, non-remittances etc., the Contractor shall defend the case on behalf of BHEL and / or reimburse BHEL the expenses so incurred.
46. The Contractor shall apply and obtain license under Contract labour (R&A) Act 1970 and comply the relevant provisions of this Act in respect of the labour employed by him for executing this contract. The contractor shall furnish necessary returns to the authority through the Principal Employer.
47. Contractor shall insure all his labourers and material. Any claim by his Employees for damages shall be settled by the Contractor even if action is against BHEL or to reimburse the legal expenses incurred by BHEL.

CONTRACTOR (SEAL & SIGNATURE)

ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮುಖ್ಯಮಂತ್ರಿಗಳ ಕಛೇರಿ-ಬೆಂಗಳೂರು.
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮುಖ್ಯಮಂತ್ರಿಗಳ ಕಛೇರಿ-ಬೆಂಗಳೂರು.
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



48. Any action brought in by anybody on BHEL regarding patent, right etc., used by Contractor in execution of work shall be defended by the Contractor and / or reimburse BHEL the cost of the same.
49. Contractor shall produce necessary records, documents; explanation whenever he is called upon to do by any Government Agencies.
50. Contractor should obtain "Workmen Compensation Policy" for their Employees.

51. LEAD, LIFT, DEWATERING ETC.,

- a) Unless otherwise specified in the tender schedule, the rates for all items will be deemed to include all leads, lifts and descents involved in the work.
- b) No separate payment will be made for dewatering (including seepage, surface drainage and monsoon water) desludging and allied operations at any stage of the work, and the cost of such operations will be deemed to be included in the contract rates.
- c) No separate payment will be made for curing including pumping of curing water where ever necessary.

52. EXTRA ITEMS

No extra items of work shall be carried out by the contractor other than those authorized to do so in writing by the Engineer-in-charge. For any such items of work executed as per instructions of Engineer-in-charge, the rates will be fixed on the basis indicated under clause 50 of BHEL GCC. The schedule of rates to be followed in this case will be CPWD schedule of rates.

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025



BHARAT HEAVY ELECTRICALS LIMITED

(ELECTRONICS DIVISION)

MYSORE ROAD- BANGALORE-26

GENERAL CONDITIONS OF CONTRACT/TECHNICAL SPECIFICATION

It is hereby agreed by me/us that the BHEL General Conditions of Contract including subsequent amendments/ additions/deletions to clauses if any, and conditions pertaining the settlement of disputes by Arbitration form an integral part of the tender documents and that the tender submitted by me/ us is subject to the aforesaid BHEL General Conditions of Contract/ Technical Specification for Civil works which has been read and accepted by me/us.

CONTRACTOR (SEAL & SIGNATURE)


ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 026



ENCLOSURE: A

CLAUSE 20 OF GENERAL CONDITIONS OF CONTRACT

LABOUR

The Contractor shall employ labour in sufficient numbers either directly or through sub-contractors to maintain the required date of progress and of quality to ensure workmanship of the degree specified in the contract and to the satisfaction of the Engineer-in-charge. The contractor shall not employ in connection with the works any person who has not completed his eighteen years of age.

The contractor shall furnish to the Engineer-in-charge at the intervals specified by him. A distribution return of the number and description by trades of the work people employed on the works. The Contractor shall also submit on the 4th and 19th or every month to the Engineer-in-charge a true statement showing in respect of the second half of the preceding month and the first half of the current month (i) the accidents that occurred during the said fortnight showing the circumstances under which they happened and the extent of damage and injury caused by them and (ii) the number of female workers who have been allowed maternity benefits as provided in the maternity benefit Act, 1961 or Rules made there under and the amount paid to them.

The contractor shall pay to labour employed by him either directly or through sub-contractors wages not less than fair wages as defined in the contractors Labour Regulations.

The Contractor shall in respect of labour employed by him either directly or through sub- contractors comply with or cause to be complied by with sub-contractors, labour Regulations in regard to all matters provided therein.

The Contractors shall comply with the provisions of the payment of wages Act, 1936, Minimum Wages Act, 1948, Workmen's Compensation Act 1923, Industrial Disputes Act, 1947, Maternity Benefit Act 1961 or any modifications there of or any other law relating thereto and rules made there under from time to time.

The Contractors shall be liable to pay his contribution and the employees' contribution of the State Insurance Scheme in respect of all labour employed by him for the execution of the contract, in accordance with the provision of "The Employees', State Insurance Act, 1948", as amended from time to time. The Contractors shall apply to the ESI Authorities, get himself registered with them and obtain a code Number. He shall pay the remittances under his code Number only. The Contractor shall be liable

CONTRACTOR (SEAL & SIGNATURE)

ಸಂಪಂಗಿ ಸಿ. ಸೀ. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್ಸಿ
ಸಂಪಂಗಿ ಸಿ. ಸೀ. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್ಸಿ
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025



to pay his contribution and the Employees' contribution towards PF as per Provident Fund Rules and Regulations in respect of all labour employed by him for the execution of the contract.

The contractor shall apply to the PF Authorities, get himself registered and obtain a code number from them. He shall pay the remittances towards PF under his code Number only. The Engineer-in-charge shall on a report having been made by an Inspecting Officer as defined in the Contractors Labour Regulations have the power to deduct from the moneys due to the Contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non-fulfillment of the conditions of the contract for the benefit of workers, non - payment of wages or of deductions made from him or their wages which are not justified by the terms of the contract of non-observance of the said contractor's Labour Regulations.

The Contractors shall indemnify the BHEL against any payment to be made under and for observance of the regulation aforesaid without prejudice to his right to claim indemnity from these sub-contractors.

MODEL RULES FOR LABOUR WELFARE

The Contractor shall at his own expense comply with or cause to be complied with model Rules for Labour Welfare as appended to these conditions or rules framed by Government from time to time for the protection of health and for making sanitary arrangements for workers employed directly or indirectly on the works, In case the Contractors fails to make arrangements as aforesaid the Engineer-in-charge shall be entitled do so and recover the cost thereof from the contractor.

CONTRACTOR (SEAL & SIGNATURE)

ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್ಸಿ
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್ಸಿ
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025



ENCLOSURE: B

SAFETY CODE
**RESPONSIBILITIES OF THE CONTRACTOR IN RESPECT OF
SAFETY OF MEN, EQUIPMENT, MATERIAL AND ENVIRONMENT**

1. Before commencing the work, contractor shall submit a "SAFETY PLAN" to the authorized BHEL Official. The 'SAFETY PLAN' shall indicate in detail the measure that would be taken by the contractor to ensure safety of men, equipment, material and environment during execution of the work. The plan shall take care to satisfy all requirements specified hereunder. The contractor shall submit Safety Plan along with his offer. During negotiations before placing of work order and during execution of the contract BHEL shall have right to review and suggest modification in the Safety Plan. Contractor shall abide by BHEL decision in this respect.
2. The contractor shall take all necessary safety precautions and arrange for appropriate appliances as per direction of BHEL or its authorized officials to prevent loss of human lives, injuries to personnel engaged, and damage to property and environment.
3. The contractor shall provide to its work force and ensure the use of the following personal protective equipment as found necessary and as directed by the authorized BHEL Officer:-Safety Helmets conforming to IS-2925: 1984.
 - (i) Safety Belts conforming to IS-3521: 1983.
 - (ii) Safety Shoes conforming to IS-1989: 1978.
 - (iii) Eye and Face protection devices conforming to IS-8520: 1977 and IS-8940: 1978.
 - (iv) Hand and body protection devices conforming to:
 - IS-2573: 1975
 - IS-6994: 1973
 - IS-8807: 1978
 - IS-8519: 1977

All tools, tackles, lifting appliances, material handling equipment scaffolds, cradles, safety nets, ladders, equipment's etc. used by the contractor shall be of safe design and construction. These shall be tested and certificate of fitness obtained before putting them to use and from time to time as instructed by authorized BHEL Official who shall have the right to ban the use of any item.

All electrical equipment's, connections and wiring for constructions power, its distribution and use shall conform to the requirement of the Indian Electricity Act and Rules. Only electricians licensed

CONTRACTOR (SEAL & SIGNATURE)

ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ.ವಿ.ವಿ.ವಿ.
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



by the appropriate statutory authority shall be employed by the contractor to carry out all types of electrical works.

All electrical appliances including portable electric tools used by the contractor shall have safe plugging system to source of power and be appropriately earthed. The contractor shall not use any hand lamp energized by electric power with supply voltage of more than 24 volts. For work in confined space lighting shall be arranged with power sources of not more than 24 volts.

The Contractor shall adopt all fire safety measures as laid down in the "Code for fire Safety at Construction Sites" issued by the Safety Department of the Construction Management (HQ) of BHEL and as per directions of the authorized BHEL Official. A copy of the above referred "Code of Fire Safety at the Construction Sites" shall be made available by BHEL to the contractor for reference, on demand by the contractor, during tendering stage itself.

Where it becomes necessary to provide and/or store petroleum products, explosives, chemicals and liquid or gaseous fuel or any other substance that may cause fire or explosion, the contractor shall be responsible for carrying out such provisions and/or storage in accordance with the rules and regulations laid down in the relevant government acts, such as Petroleum Act, Explosives Act, Petroleum and Carbides of Calcium Manual of the Chief Controller of Explosives, Govt. of India. etc., prior approval to the authorized BHEL Official at the site shall also be taken by the contractor in all such matters.

The contractor shall arrange at his cost (wherever not specified) appropriate illumination at all work spots for safe working when natural daylight may not be adequate for clear visibility.

The contractor shall be held responsible for any violation of statutory regulations local, state or central and BHEL instructions that may endanger safety of men, equipment, material and environment in his scope of work or another contractor or agencies. Cost of damages if any, to life and property arising out of such violation of statutory regulations and BHEL instructions shall be borne by the contractor.

In case of a fatal or disabling injury accident to any person at construction sites due to the lapses by the contractor, the victim and/or his/her dependents shall be compensated by the contractor as per statutory requirements. However, if considered necessary, BHEL shall have the right to impose

CONTRACTOR (SEAL & SIGNATURE)

ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿವಿ
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿವಿ
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025



Appropriate financial penalty on the contractor and recover the same from payments due to the contractor for suitably compensating the victim and/or his/her dependents. Before imposing any such penalty, appropriate enquiry shall be held by BHEL giving opportunity to the contractor to present his case.

In case of any damage to property by the contractor, BHEL shall have the right to recover cost of such damages from payments from payments due to the contractor after holding an appropriate enquiry.

In case of any delay in the completion of a job due to mishaps attributable to lapses buy the contractor; BHEL shall have to recover cost of such delay from payments due to the contractor, after notifying suitably and giving him opportunity to present his case.

If the contractor fails to improve the standards of safety in its operation to the satisfaction of BHEL after being given a reasonable opportunity to do so; and/or if the contractor fails to take appropriate safety precautions or to provide necessary safety devices and equipment or to carry out instructions regarding safety issued by the authorized BHEL Official, BHEL shall have the right to take corrective steps at the risk and cost of the contractor after giving a notice of not less than seven days indicating the steps that would be taken by BHEL.

The contractor shall submit report of all accidents, fires and property damage, dangerous occurrence to the authorized BHEL Official immediately after such occurrence, but in any case not later than twelve hours of the occurrence. Such reports shall be furnished in the manner prescribed by BHEL. In addition, the contractor to the authorized BHEL Official shall also submit periodic reports on safety from time to time as prescribed.

Before commencing the work, the contractor shall appoint/nominate a responsible officer to supervise implementation of all safety measures and liaison with his counterpart of BHEL.

If safety record of the contractor in execution of the awarded job is to the satisfaction of Safety Department of BHEL, issue of an appropriate certificate to recognize the safety performance of the contractor may be considered by BHEL after completion the job

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



SPECIAL CONDITONS OF CONTRACT

1. GENERAL

The special conditions of contract and other contract documents are complimentary to each other and shall be read in conjunction with each other. In case of any conflict of meanings between the special conditions of contract and the BHEL General Conditions of Contract the provisions of the special conditions of contract shall override the corresponding provisions of the BHEL General Conditions of Contract.

2. SCOPE OF WORK

The scope of work includes for the full, final and entire completion of all Civil Engineering works as detailed in specifications and drawings, which forms part of this Contract. The scope of work also includes cleaning/removing all debris beyond 200 mtrs or as stipulated in the item schedule from drains, watch tower foundations and levelling the areas as per direction of the Engineer-in-charge.

The scope of work under this contract shall cover supply of all materials, labour, tools, and plants etc., unless otherwise specified in the specifications, descriptions of items or in foregoing clauses.

3. SITE CONDITIONS

a) Before tendering the Contractor shall get themselves acquainted with site conditions such as the nature of soil likely to be encountered during the course of the work etc.,. The rates quoted by the contractor shall be deemed to have been quoted after getting acquainted with the prevailing site conditions. Initial jungle clearance, stripping of top soil etc., shall also be included in the quoted rates.

No claims on the pretext of ignorance of site conditions shall be entertained.

b) The site of work is as mentioned in the Tender document.

4. SITE FACILITES

A. LAND

The Employer will allot land as available free of cost to the contractor for his office stores. He must maintain the areas allotted to him in a neat and clean conditions as required by the Employer. The contractor shall provide adequate storage and office facilities with approval from the Engineer. The rate quoted by the contractor shall be deemed to include for these and no separate payment will be made towards these. On completion of work, the site shall be cleaned by the contractor of all materials, temporary debris, rubbish plants and equipment's, belonging to the contractor at no extra cost. The

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



site and surroundings shall be handed over in a neat and clean condition. In case of any failure by the contractor, the employer will get inside cleared at risk and cost of the Contractor.

B. POWER AND WATER SUPPLY

Facilities for drawing Power and water required at site for execution of the works shall be arranged by the contractor at his expense and risk. The necessary source for power & water supply has to be organized by vendor. Necessary distribution box, extension board points duly earthed, and with armoured safe power cables to be laid across the field provided point shall be in the scope of the tenderer. Further, laying of water intake and distribution pipes across the Site to various points of work from Electricity source provided water source point shall be in the scope of the tenderer. If required D.G generation sets shall be provided for Power arrangement by the contractor at his own cost. The tenderer shall make provision for temporary storage of water at suitable locations with pump if required to reach the water supply to work areas. The contractor will have to make his own arrangements for the same, without claiming any extra charge for the power and water drawal and distribution equipment.

5. MACHINERY

The Contractor shall at his own expense, supply all tools, plant and equipment (hereinafter referred to as T & P) required for execution of contract, as specified in the tender documents. Whole of the works shall be executed in perfect conformity with the specifications and drawings. If contractor perform any works in a manner contrary to the specifications and drawings and without reference to the Engineer-in-charge, he shall bear all the costs arising or ensuring there from.

- a) All technical documents regarding the construction of works are given in the metric system and work should be carried out according to metric system.
- b) The work shall be carried out as per detailed drawings supplied by the employer. The working drawings shall be emailed progressively to the contractor free of cost. The contractor shall keep one set of drawings (duly protected from dust and wear and tear) at his own expenses always available at site for reference of Engineer-in-charge and other representatives.

CONTRACTOR (SEAL & SIGNATURE)

ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025



- c) The works shall be carried out as per detailed specifications enclosed with the tender. For items for which there is no mention in the drawings, detailed specification relevant IS specification (latest edition) shall be followed.
- d) The contractor shall submit to the Employer for their approval complete drawings, of all temporary works and staging which he may require for carrying out the works shown in the drawings.
- He shall at the same time if so required by the Employer submit his calculations relating to strength and anticipated deflection in respect of any aforesaid temporary works. He shall also submit for the approval of Employer drawings showing the methods he proposes to adopt for the erection of the various parts of the temporary works. Any modification to the drawings that may be required by the Employer shall be made by the contractor at his own cost. However, notwithstanding the approval of modification required for temporary works, the contractor shall be fully responsible for their efficiency, security and maintenance and for all obligations and risks in regard to such works, specified or implied in this contract and he shall reinstate the same at his own cost, should any mishap or accident occur causing damage or injury there from, subject however, to such clauses of the General conditions as may be applicable in such cases.

6. BENCH MARKS AND REFERENCE POINTS

The contractor shall construct and maintain proper benchmarks and reference points of the inter section of all main walls, no separate payment shall be made for this and rates quoted deemed to include this cost. Surveying where ever required is in contractor scope.

7. SAFETY PRECAUTIONS

The contractor shall at times observe the safety code and make necessary action as required in the tender. In default thereof, the employer may get this done departmentally or through other agencies and recover the cost from the contractor.

The Contractors shall also abide by all the security regulations promulgated from time to time by employer.

8. RATES

The rates to be quoted are intended to provide for works duly and properly completed in accordance with the general and special conditions of contract and specifications and drawings together with such alteration and/or conditions as may be required / ordered without prejudice to the generality thereof shall include for detail of construction which are obviously and fairly intended and which

CONTRACTOR (SEAL & SIGNATURE)

ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮುಖ್ಯಮಂತ್ರಿಗಳ ಕಛೇರಿ-ಬೆಂಗಳೂರು.
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮುಖ್ಯಮಂತ್ರಿಗಳ ಕಛೇರಿ-ಬೆಂಗಳೂರು.
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



may not have been specifically referred in these documents and working drawings and but are essential for execution and satisfactory completion of work including those of minor nature and shall be deemed to include and cover internal the followings.

- a) Arrangements for obtaining the clearance wherever required from statutory bodies, regarding license for construction, permanent electricity, water supply, and sanitary connections including payment of necessary fees, inspection charges and obtaining financial certificates for using these services.

The various items rates quoted in the schedule as applicable shall be deemed to include the above services and no separate payments shall be made towards these.

- b) The cost of all superintendence and labour materials, tools, plants, equipment's, mobilizing and demobilizing equipment fuel lubricants, fixture, transport charges, temporary and permanent works and quarrying charges, testing, screening, washing, handling of materials, stacking and removal charges, of any rejected materials and water and power arrangements and satisfactory maintenance of the same satisfactory completion of the work intended.
- c) All fees, duties, royalties, rent and compensation to owner for surface damage or taxes and impositions payable to local authorities, in respect of land an structure, for all materials supplied for the work or any other duties/expenses for which the contractor may become liable or may be put to under any provision of the law for the purpose of in connection with the execution of the contract including levies payable on the transactions.
- d) Settings out of works profiles etc., and of construction repair and up-keep of all centre lines, bench marks and levels and page there of including provisions of masonry/concrete pillars showing the centre line of structure/gridlines and levels and maintenance and protection of the some including providing fencing etc., throughout the period of contract.
- e) Breaking, maintenance and removal of temporary works and buildings.
- f) Supply of complete, Moulds, cost of testing of materials etc.
- g) Working in all conditions including in/under water liquid, conditions etc., and shall also include bailing or pumping out water from the foundations, basements or any other sources of whatsoever de-sludging and allied operation at any stage of work including all suspension period and delays whatsoever. Cost of curing including pumping and cost of water whatever necessary.

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



- h) In the interest of completion of work within the stipulated time, certain works are to be carried out during the monsoon period also. No separate payment will be made to the contractor for such works and it will be deemed to be included in the contract rates.
- i) Diversion and draining works, protection works, temporary facilities, bridges, gangway.
- j) Work at all depth in foundation below the ground level and in superstructure up to all height above ground level including all lifts and distances involved at any other place of work and disposed/barrow areas.
- k) Unless otherwise specified in the specification schedule cost of all leads/lifts etc.
- l) Provision of centering, scaffolding, strutting props etc.,
- m) All materials and labour required for fencing in a protection against risk of accidents and for providing necessary/planking strutting with hand rails, gumboots, helmets, safety belts etc., during the progress of work.
- n) Prevention on trespassing by providing barrier arrangements for the safety of the public or employees during the provision of works.
- o) Works in all shapes include and curved all sizes as shown are as required.
- p) Cleaning the site after the completion of work all debris, left out construction materials machine equipment's, temporary offices, stores, works shop etc., including dressing the area neat and clean shape.
- q) Such other incidental charges or contingencies as may have been provided for in the specifications.

9. LABOUR COLONIES

Labour camp will not permitted within the project premises.

10. ESCALATION

The rates to be quoted by the tenderer shall be firm and shall cover and include all statutory levies, arising from, acts passed by parliament or by state legislature, the rates shall further be deemed to include statutory levies arising from such Acts, Central or State, which may come in to force subsequent to submission of tenders. The tenderer shall note that no claim for enhancement of rates, on the ground that existing statutory levies have been increased, or that new statutory levies have come in to effect after tender, or on any other ground, will be entertained on any account.

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



11. QUANTITY

The probable quantities of the several items of work are furnished in the schedule of quantities. It must be clearly understood that neither the probable quantities nor the value of individual items nor the aggregate value of the entire work shall be binding on the Employer/Engineer does not in any way assure the contractor or Guarantee that the said probable quantities are correct or that the work will correspond to these. The Employer/Engineer reserve the right to omit, vary or add to the item/work described in the schedule, of quantities and no claim for compensation will be entertaining on this account.

12. VARIATION/DEVIATION IN QUANTITIES

The contractor shall not make any alteration in addition to or omission from the work as described in the tender document except in pursuance of the written instructions of the Engineer-in-charge. No such deviation from the work described in the tender documents shall be valid unless the same has been specifically confirmed and accepted by the accepting officer in writing and incorporated in the contract. The rates quoted are firm for deviation subject to minimum of (-) 20% and maximum (+) 20% of the total value of work awarded. Deviation beyond the above limits is subject to the standard terms and conditions of BHEL.

13. MATERIALS

BHEL will not supply any materials unless otherwise specified.

14. SUPPLY OF CEMENT, STEEL, PAINT AND OTHER CONSTRUCTION MATERIALS, IS TO BE MADE BY CONTRACTOR

Makes / Source of supply of cement, steel, paint and other construction materials shall be as per approval of BHEL/BEL.

15. SUPPLY BY CONTRACTOR

The work is for a completed job including labour and supply of all materials except those otherwise specified in the bid document.

The material and works shall be subject to inspection and test as per field quality plan (FQP) duly approved by BHEL/BEL.

All materials supplied by the contractor according to the contract conditions shall be subject to inspection and passing by the Engineer-in-charge or his representatives from time to time, the contractor providing all facilities for such instruction free of cost.

BHEL officers connected with the contract shall have the power at any time to inspect and examine any stores or materials intended to be used in or on the work, whether on the site or at any factory or workshop or other place where such stores or materials are being fabricated

CONTRACTOR (SEAL & SIGNATURE)


ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮುಖ್ಯಮಂತ್ರಿ ಆರೋಗ್ಯ ಸಚಿವರು
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮುಖ್ಯಮಂತ್ರಿ ಆರೋಗ್ಯ ಸಚಿವರು
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025



or manufactured or at any place the same are lying and the contractor shall give necessary facilities for such inspection and examination.

The Engineer-in-charge shall be entitled to have tests made of any stores or materials supplied by the contractor shall provide at his own expense all facilities which the Engineer-in-charge may require for this purpose. If at the discretion of the Engineer-in-charge an independent expert is employed to make any such tests his charges shall be borne by the contractor only if the tests disclosed that the said stores or materials are not in accordance with the provision of the contract.

Should the Engineer-in-charge/Civil Engineer consider at any time during the construction or reconstruction on prior to the expiry of the Maintenance Period that the stores or materials provided by the contractor are unsound or of quality inferior to that contracted for, or otherwise not in accordance with the contract (in respect where the decision of the Engineer-in-charge/Civil Engineer shall be final and conclusive) the contractor shall on demand, in writing from the Engineer-in-charge specifying the stores or materials complained of, notwithstanding that the same may have been inadvertently passed, certified that and paid forth with remove the stores or materials so specified and provide other and suitable stores or materials at his own expense, to the entire satisfaction of the Engineer-in-charge/Civil Engineer and in the event of his failing to do so within a period to be specified by the Engineer-in-charge/Civil Engineer, in his demand aforesaid, the Engineer-in-charge/Civil Engineer may replace within the other stores or materials complained of at the risk and expense in all respect of the contractor.

The liability of the contractor under this conditions, shall not extend beyond the maintenance period aforesaid except as regards stores or materials which the Engineer-in-charge/Civil Engineer shall have previously given notice to the contractor to replace (Maintenance period for any work under this organization will be six months from the date of actual completion of the particular work and handing over to BHEL).

16. INTERRUPTION TO THE WORKS

While quoting the rates/prices the Contractor should take in to account the fact that due to the design or other stipulations at site, or the necessity to follow a particular sequence of overall construction operation, or non-supply of particular drawings, or the connected work or other reasons, interruptions are likely to be encountered in a work of this nature and magnitude. No claims for such interruptions will be entertained on any account.

17. EXTENSION OF TIME OR PENALTY/LIQUIDATED DAMAGES

Extension of time or penalty/liquidated damages as the case may be will be determined as stipulated in clause 7, 9 and 41 of BHEL General Conditions of Contract.

18. COMPLETION OF WORK AND MEASUREMENT

- a) All work shall be carried out according to authorized dimensions and measurement will be restricted to those authorized dimension even though the Contractor may for convenience of this work exceed the authorized dimensions.

CONTRACTOR (SEAL & SIGNATURE)

ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮುಖ್ಯಮಂತ್ರಿಗಳ ಕಛೇರಿ-ಬೆಂಗಳೂರು.
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮುಖ್ಯಮಂತ್ರಿಗಳ ಕಛೇರಿ-ಬೆಂಗಳೂರು.
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



- b) All work shall be measured in accordance with the applicable standard method of measurements prescribed by the Indian Standard Institution (1200 latest edition) unless otherwise specified.
- c) The Contractor shall admit for technical inspection, works which are likely to be embedded or covered by other works and have the necessary measurement books and certificates to this effect duly signed by the Engineer before the works are covered.
- d) On completion of the work, the Contractor must submit to the Engineer the following documents for passing of works.
 - i) A copy of the working drawing showing there on all addition and alterations in the process of execution.
 - ii) A certificate for embedded and covered up works as in sub-para (C) above
- e) The authorized Contractors representative and a representative of the Employer shall jointly sign a certificate of handing over any completed work and date of signature of that certificate will be that the date from which the maintenance period of that unit will reckoned.
- f) Notwithstanding the above, insurance cover has to be taken by the contractor for the full value of work as also for the duration of the contract period. 50% of the Security Deposit shall be released only on the total completion of the building and handing over to BHEL to their satisfaction. Remaining 50% of Security Deposit shall be released subject to the stipulation in BHEL's GCC after 6 months from the date of completion of the building.

19. MAINTENANCE OF WORK

The contractor will be responsible for the maintenance of works during the period of construction until the various items are taken over, and for a further period of six months, from the date of taking over.

If the contractor fails to maintain the building satisfactorily, it will be got done by other agency and cost towards such maintenance together with departmental charges will be recovered from his bills/dues.

20. SECURITY DEPOSIT

Upon acceptance of the tender, the successful tenderer shall remit the security deposit with Bharat Heavy Electricals Ltd within the time as specified in the Letter of Intent.

The rate of Security Deposit will be 5% of work order value.

The contractor should submit the Security Deposit before the start of the work by

- i) Cash (as permissible under the income Tax Act).
- ii) Pay order, demand draft in favour of BHEL.

CONTRACTOR (SEAL & SIGNATURE)

ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮುಖ್ಯಮಾನ್ಯರ ಕಛೇರಿ-ಬೆಂಗಳೂರು
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮುಖ್ಯಮಾನ್ಯರ ಕಛೇರಿ-ಬೆಂಗಳೂರು
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



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

NOTE: Accepting of Security Deposit against Sl. No. (iv) and (vi) above will be subject to hypothecation or endorsement on the documents in favour on 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.

For extra items of work and deviated quantities, security deposit will be recovered at 10% of the value of deviated amount. The security deposit will be released as stipulated under clause 16(IV) of GCC.

21. RUNNING ACCOUNT PAYMENTS

During execution of work, monthly payments of all works in place will be made on the basic measurements recorded in measurement sheet/book in respect of items executed but no claim on the account will be entertained, if for any reason payments are not so made.

22.1 MOBILIZATION ADVANCE

Mobilization advance not exceeding 5% of work order value excluding taxes & duties or 5% of the estimated cost put to tender whichever is less will be given, if requested by the contractor in writing within one month of the order to commence the work. The advance will be released against executing a bank Guarantee Bond by the contractor from a Scheduled Nationalized Bank as specified by the Engineer-in-charge for the full amount of such advance is released. The contractor has to furnish a proof of the satisfactory utilization of the advance released by the company.

CONTRACTOR (SEAL & SIGNATURE)


ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



22.2 INTEREST & RECOVERY

The mobilization advance above bear simple interest at the prime lending rate of SBI plus 2% per annum and shall be calculated from the date of payment to the date of recovery, both days inclusive, on the outstanding amount of advance. Recovery of such sums advanced will be recovered by installments through deduction from the contractor's bills at 10% of the bill value till the full advance is recovered.

The said bank guarantee for advances shall initially shall be made for the full amount and valid for the contract period, and be kept renewed from time to time to cover the balance amount and likely period of complete recovery together with interest.

23. Statutory Deduction towards Income Tax will be made as per rules.

24. In respect of all labour directly or indirectly employed on the work by the Contractor, the Contractor shall comply with the provisions of the contract labour (Regulation and Abolition) Act 1970 or any amendment thereof and all legislations and rules of the State and or Central Government or other Authority, framed from time to time governing the protection of health, sanitary arrangements, wages, welfare and safety for labour employed on building and construction works. The rules and other statutory obligations with regard to fair wages, welfare and safety measures, maintenance of the register etc., will be deemed to be part of the contract.

25. The Contractor is required to take insurance for all workers employed on works towards payment for workmen compensation. The insurance has to be taken out within 15 days of the award of work and has to be produced at the time of signing agreement. Half (1/2%) shall be deducted for every bill if the contractor fails to produce a proof of having taken such an insurance to cover his workmen. However the contractor shall be fully responsible for all the consequences arising out of such default. This may also be read with clause 20 of BHEL GCC.

26. TIME OF COMPLETION

The date of commencement of work shall be counted from the date of handing over the site to the contractor. It may be clearly understood that time is the essence of the contract and the entire work should be completed within the time imposed in the tender document letter of intent.

27. The Contractor has to pay the Works Contract Tax (Under relevant section of the State Government Act) of their own on Monthly basis.

28. The management of BHEL shall be at liberty to terminate the contract by issuing a month's notice to the contractor without assigning any reason what so ever. As regards unsatisfactory performance or noncompliance with any of the terms & conditions of the contract by the contractor. The management of BHEL shall have the right to terminate the contractor forthwith without notice & rearrange the balance work through other agencies at the risk & cost of the contractor & under such circumstances, the Earnest Money Deposit/Security Deposit paid by the contractor shall stand forfeited

CONTRACTOR (SEAL & SIGNATURE)

ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮುಖ್ಯಮಂಡಳಿ ಅಧಿಕಾರಿಗಳ ಕಛೇರಿ
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮುಖ್ಯಮಂಡಳಿ ಅಧಿಕಾರಿಗಳ ಕಛೇರಿ
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



29. SPECIAL CONDITIONS OF TENDER

- i) The successful bidder should open local office for Technical staff/Administrative group at Bangalore City for easy interactions/ monitoring of work at site. / Attend meetings at Bangalore city/site as and when instructed by BHEL.
- ii) Tenderers should not disclose any price bid details/discounts in the technical bids.
- iii) The successful bidder should construct site office / toilets for their workmen at site in consultation with Engineer-in-charge.

30. WORKMEN COMPENSATION POLICY

The contractor is required to take Insurance for all the workers employed on the works towards payments for workmen compensation. The Insurance has to be taken out within 15 days of the award of work and has to be provided at the time of signing the agreement. Half percent (0.5%) of the amount shall be deducted from every bill if the contractor fails to produce a proof of having taken such an insurance to cover his workmen. However the contractor shall be fully responsible for the consequences arising out of such default.

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025



LIST OF INDIAN STANDARD

Following is the list of various Indian Standards,
Relevant to the Civil Engg., work

1. EARTH WORK

- i) IS 1200-1992, Method Part I Earthwork, Measurement of Building, and Civil Engineering works, and chapter No.2 of CPWD/specification 1977.

2. MORTAR (PLASTERING)

- 1) IS 2394-1984: Code of practice for application of lime plasters finish.
- 2) IS 1661-1972: Code of practice for application of cement lime plasters finish.
- 3) IS 2402-1963: Code of practice for external rendered finishes.

3. CONCRETE WORK & RCC WORK

- 1) IS 456-2000: Code of practice for plain and reinforced concrete.
- 2) IS 432(part 1) –1982(Third Revision): Mild steel and medium tensile steel bars
- 3) IS 1766-1998: Cold twisted steel bars for concrete reinforcement.

4. BRICK WORK

- 1) IS 2212-1991: Code of practice for brick work.

5. STONE WORK

- 1) IS 1597-1992 (Part – I & II): Code of practice for construction of stone masonry.

6. MARBLE WORK

- 1) IS 1124-1974: Methods of test for water absorption of natural building works.

7. STEEL WORK

- 1) IS 800-2007(Third Revision): Code of practice for use of structural steel in general building construction.
- 2) IS 1308-1984: Steels doors, windows and ventilators
- 3) IS 1081-1960: Code of practice for fixing glazing of metal (steel & aluminium doors, windows & ventilators)
- 4) IS 1161-1998: Steel tubes for structural purposes.
- 5) IS 4351-2003: Steel doorframes.
- 6) IS-6245-5245-1971: Metal rolling shutters and rolling grills.

CONTRACTOR (SEAL & SIGNATURE)

ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್ ಸಿ&ಪಿವಿ-ಪಿವೆಸ್
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 028



8. FLOORING

- 1) IS 2114-1984: Code of practice for laying in situ terrazzo floor finish.
- 2) IS 2571-1970: Code of practice for in situ cement concrete flooring.
- 3) IS 5318-1969: Code of practice of lying of flexible P.V.C. sheet & tiles flooring.

9. ROOFING

- 1) IS 3007(pt.-I)-1999: Code of practice of lying of corrugated cement sheets.

10. FINISHING

- 1) IS 133-2004: Enamel, Interior (a) under coating (b) Finishing colour as required.
- 2) IS 348-1968: French polish.
- 3) IS 427-2005: Distemper, dry colour as required.
- 4) IS 425-1969: Distemper, oil emulsion as required.
- 5) IS 5410-1992: Cement paint, Colour as required.
- 6) IS 5411 (pt.1)-1974: Plastic emulsion paint for interior use.
- 7) IS 6278-1971: Code of practice for white washing & color washing.

11. DEMOLISION AND DISMANTILING

- 1) IS 1200 (pt. 18)-1974: Method of measurements of demolition and dismantling.

12. SAFETY CODE

- 1) IS 5916-1970: Safety code for construction including use of hot bituminous materials.
- 2) IS 4130-1991: Safety code for demolition of building.
- 3) IS 3754-1966: Safety code for excavation works.
- 4) IS 3696(Pt-1)-1987: Safety code for Scaffolds.

13. PILE CODE

- 1) IS 2911(Pt-4)-2013: Design and construction of Pile foundations.

A) DISTEMPERING ON NEW SURFACE. (OILBOUND)

- | | | |
|----------------------|-------|----------------------------|
| 1. COAT OF PRIMER | .... | 0.07 Litre/Sq.m (one coat) |
| 2. COAT OF DISTEMPER | ..... | 0.10 Kg/Sq.m (2 coats) |

DISTEMPERING WITHOUT PRIMER

- | | | |
|-------------|-------|----------------------------|
| FOR 1 COAT | ..... | 0.10 Kg/Sq.m (For 1 coat) |
| FOR 2 COATS | ..... | 0.15 Kg/Sq.m (For 2 coats) |

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025



B) SYNTHETIC ENAMEL PAINT.

| | | |
|-----------------------------|----------------|-------------------------------|
| a) ON NEW SURFACE | ... PRIMER ... | 0.09 Litre/Sq.m (For1 coat) |
| ENAMEL PAINT | (2 COATS) | 0.15 Litre/Sq.m (For 2 coats) |
| b) ON OLD SURFACE | | |
| 2 COATS WITHOUT PRIMER | ... | 0.20 Litre/Sq.m |
| 1 COAT | ... | 0.10 Litre/Sq.m |
| c) WATER PROOF CEMENT PAINT | | |
| 1 COAT | ... | 0.18 Kg/Sq.m |
| 2 COAT | ... | 0.30 Kg/Sq.m |
| d) PLASTING EMULSION PAINT: | | |
| 2 COATS OF PLASTIC EMULSION | .... | 0.09 Litre/Sq.m |
| 1 COAT OF PLASTIC EMULSION | .... | 0.073 Litre/Sq.m |
| <u>ON NEW SURFACE</u> | | |
| 1 COAT PLASTIC FIX PRIMER | ... | 0.081 Litre/Sq.m |
| 2 COATS PLASTIC EMULSION | ... | 0.09 Litre/Sq.m |

These standards are indicative, any additional IS standard/specification required to be followed shall be adhered to by the contractor.

CONTRACTOR (SEAL &SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025



FORM OF TENDER

Having examined the invitation to bid, Instructions to Bidder, General conditions of contract, Special conditions, Specifications tender schedule, Contract drawings and other documents for the above work, we the undersigned, offer to construct, erect complete and maintain the whole of the said in conformity with the said bid documents on the terms and conditions and under the provisions set out or called for in the contract documents at the rates listed in the schedule of unit prices or elsewhere in the contract documents.

We undertake if our bid is accepted, to commence the works within 7 days from the date of issue of award and to complete and delivery the whole of the works comprised in the contract as per the time schedule agreed to the contract document.

We agree to abide by this bid for the period of three months from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before expiry of the period.

Until and unless a formal agreement is prepared and executed this bid, together with your award thereof shall constitute a binding contract between us.

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025



ENCLOSURE: C

CLAUSE 58 OF GENERAL CONDITIONS OF CONTRACT

ARBITRATION:

Except where otherwise provided for in the contract all questions and disputes relating to the meaning of the specifications, designs, drawings and instructions herein before mentioned and as to the quality of workmanship or materials used on the work or has been other as to any other questions, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works, of or the execution or failure to execute the same whether arising during the program progress of the work or after the completion or abandonment thereof shall be referred to the sole arbitration of the Executive Director/General Manager of BHEL and if the Managing Executive Director/General Manager Chief Engineer is unable or unwilling to act, to a as the sole arbitration of some other person appointed by the Executive Director / General Manager, willing to act as such Arbitrator. There will be no objection if the arbitrator so appointed is an employee of BHEL EDN or an employee of any other unit of BHEL and that he had to deal with the matters to which the contract relates and that in the course of its his duties as such he had expressed views on all or any of the matters in dispute or difference. The Arbitrator to whom the to matter is originally referred being transferred or by vacating his office or being unable to act for any reason, such Executive Director / General Manager as aforesaid at the time of such transfer, vacation of office or inability to act, shall appoint account another person to act as arbitrator in accordance with the terms of the contract, such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor. It is also a term of this contract that no person other than a person appointed by such Executive Director/General Manager or an employee appointed as arbitrator as aforesaid should act as arbitrator and the arbitrator shall give reasons for the award.

Subject as aforesaid the provision of the Arbitration Act, 1940 or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 029



It is a term of a contract that the party involving invoking arbitration shall specify the dispute or disputes to be referred to arbitration under this clause together with the amount or amounts claimed in respect of each such dispute.

The arbitrator(s) may from time to time with consent of the parties enlarge extend the time, for making the publishing the awards.

The work under the contract shall, if reasonably possible, continue during the arbitration proceeding and no payment due to or payable to the contractor shall be withheld on account of such proceedings.

The arbitrator shall be deemed to have entered on the reference on the date he issued notice to both the parties fixing the date of the hearing.

The arbitrator shall give a separate speaking award in respect of each dispute or difference referred to him.

The venue of arbitration shall be such place as may be fixed by the arbitrator in his sole discretion.

The award of the arbitrator shall be final, conclusive and binding on all parties to this contract.

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025



Annexure - I

Certificate by Chartered Accountant on letter head

This is to Certify that M/S
(hereinafter referred to as 'company') having its registered office at
is registered under MSMED Act 2006, (Entrepreneur
Memorandum No (Part-II) dtd:.....,
Category: (Micro/Small). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as per the latest audited financial year as per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No.S.O.1722(E) dated October 5, 2006 :
Rs.....Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act, 2006:
Rs.....Lacs

(Strike off whichever is not applicable)

The above investment of Rs.....Lacs is within permissible limit of Rs.....Lacs forMicro / Small (Strike off which is not applicable) Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro/ Small) (Strike off which is not applicable) and the date of graduation of such enterprise from its original category is (dd/mm/yyyy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide S.O. No. 3322(E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant

CONTRACTOR (SEAL & SIGNATURE)


SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025



ANNEXURE II

Electronic Funds Transfer (EFT) OR Paylink Direct Credit Form

Please Fill up the form in CAPITAL LETTERS only.

TYPE OF REQUEST(Tick one): _____ CREATE _____ CHANGE

BHEL Vendor / Supplier Code: []
Company Name : []
Permanent Account Number(PAN): []
Address []

City: [] PINCODE [] STATE []

Contact Person(s) []
Telephone No: []
Fax No: []
e-mail id: []

1 Bank Name: []
2 Bank Address: []
3 Bank Telephone No: []
4 Bank Account No: []
5 Account Type: Savings/Cash Credit []
6 9 Digit Code Number of Bank and branch appearing on MICR cheque issued by Bank []
7 Bank swift Code(applicable for EFT only) []
8 Bank IFSC code(applicable for RTGS) []
9 Bank IFSC code(applicable for NEFT) []

- A I hereby certify that the particulars given above are true, correct and complete and that I, as a representative for the above named Company, hereby authorise BHEL, EDN, Bangalore to electronically deposit payments to the designated bank account.
B If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold BHEL / transferring Bank responsible.
C This authority remains in full force until BHEL, EDN, Bangalore receives written notification requesting a change or cancellation.
D I have read the contents of the covering letter and agree to discharge the responsibility expected of me as a participant under ECS / EFT.

Date:

Authorised Signatory:
Designation:

Telephone NO. with STD Code

Company Seal

Bank Certificate

We certify that [] has an Account No [] with us and we confirm that the bank details given above are correct as per our records.

Date: (.....)
Place: Signature

Please return completed form along with a blank cancelled cheque or photocopy thereof to:

Bharath Heavy Electricals Ltd,
Attn:

Electronics Division, Mysore Road,
BANGALORE - 560 026

In case of any Querry, please call : 080-26998xxx / 2674xxxx or fax no. 080-2674xxxx

CONTRACTOR (SEAL &SIGNATURE)





ANNEXURE-III

Ref.

Date:

SITE INSPECTION CERTIFICATE

This is to Certify that, I / We.....
..... had inspected the proposed
construction site thoroughly and understood the scope of works to be carried out in
line with construction drawings/designs/data/Bill of quantities/schedule of items /
specifications as brought out in the Tender as desired by BHEL.

Agreeable to all Terms & Conditions of Contract and assure to complete the work
within the stipulation time frame.

Signature of the contractor

Name:

Seal

CONTRACTOR (SEAL &SIGNATURE)


ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್
ಸಂಪಂಗಿ ಸಿ. ಎಸ್. ಮ್ಯಾನೇಜರ್/ಸಿ&ಪಿ-ವಿಎಸ್
SAMPANGI C., SR. MANAGER/SC&PV-PVSS
BHEL-EDN, MYSORE ROAD, BANGALORE - 560 025

UNPRICED PRICE BID

Construction of Road, Pathway & Drain for 10 MWp Solar PV Plant for BEL at Ordnance factory, Badmal, Bolangir, ODISHA.

| SL NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|-------|---|------|----------|------|--------|
| 1 | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil | cum | 6,500.00 | X | X |
| 2 | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed. Ordinary rock | cum | 1,500.00 | X | X |
| 3 | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed. Hard rock (blasting prohibited) | cum | 150.00 | X | X |
| 4 | Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm. depth, dressing to camber and consolidating with road roller to achieve 95% or more of standard proctor's MDD, including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres. | sqm | 7,700.00 | X | X |
| 5 | Filling (borrowed approved soil) 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 to | cum | 400.00 | X | X |
| 6 | Construction of granular sub-base by providing close graded/coarse 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. | cum | 2,700.00 | X | X |
| 7 | Supplying and stacking at site.63 mm to 45 mm size stone aggregate | cum | 1,500.00 | | |
| 8 | Supplying and stacking at site.53 mm to 22.4 mm size stone aggregate. | cum | 750.00 | X | X |
| 9 | Supplying and stacking at site. Stone screening 13.2 mm nominal size (Type A) | cum | 300.00 | X | X |
| 10 | Supplying and stacking at site. Stone screening 11.2 mm nominal size (Type B) | cum | 160.00 | X | X |
| 11 | Supplying and stacking at site.Moorum (binding material) | cum | 600.00 | X | X |
| 12 | Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density . | cum | 3,500.00 | X | X |
| 13 | Providing and applying tack coat using hot straight run bitumen of grade VG - 10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications : On W.B.M. @ 0.75 Kg / sqm | sqm | 1,000.00 | X | X |
| 14 | 2 cm premix carpet surfacing with 1.8 cum and 0.90 cum of stone chippings of 13.2 mm size and 11.2 mm size respectively per 100 sqm. and 52 kg. and 56 kg. of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc. complete: (tack coat to be paid for separately).With Refinery Modified Bitumen CRMB 55 conforming to IRC: SP: 53-1999. | sqm | 2,000.00 | X | X |
| 15 | Providing and applying tack coat using hot straight run bitumen of grade VG - 10 including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications : On bituminous surface @ 0.50 Kg / sqm. | sqm | 2,000.00 | X | X |

Construction of Road, Pathway & Drain for 10 MWp Solar PV Plant for BEL at Ordnance factory, Badmal, Bolangir, ODISHA.

| SL NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|--|--|-------|----------|------|----------|
| 16 | Providing and laying seal coat of premixed fine aggregate (passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen of grade VG - 10 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface including rolling and finishing with road roller all complete. | sqm | 1,000.00 | X | X |
| 17 | Carriage and disposal of excavated earth/surplus earth as per site condition/requirement as per direction of Engineer-in -charge. including loading, unloading and stacking up to 5 KM | cum | 4,500.00 | X | X |
| 18 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) Or Design mix as per instruction of Engineer-Incharge | cum | 450.00 | X | X |
| 19 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) | Cum | 300.00 | X | X |
| 20 | 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 20 mm nominal size) upto plinth level with Cement mortar 1:6 (1 cement : 6 coarse sand) | cum | 1,000.00 | X | X |
| 21 | Dry stone pitching 22.5 cm thick including supply of stones and preparing surface complete. | sqm | 3,000.00 | X | X |
| 22 | Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) Flush/ Ruled pointing | sqm | 3,000.00 | X | X |
| 23 | 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. All works upto plinth level. | cum | 75.00 | X | X |
| 24 | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Thermo-Mechanically Treated bars. | kg | 5,500.00 | X | X |
| 25 | Centering and shuttering including strutting, propping etc. and removal of form for :Foundations, footings , bases of columns, cover slabs etc. for mass concrete | sqm | 700.00 | X | X |
| 26 | Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer and Paint using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. | kg | 250.00 | X | X |
| 27 | 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 | meter | 30.00 | X | X |
| 28 | 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 : 600 mm dia. R.C.C. pipe | meter | 30.00 | X | X |
| TOTAL AMOUNT (Rs.) (exclusive of all taxes/GST) | | | | | X |
| CONTRACTOR SHOULD QUOTE PERCENTAGE (%) ABOVE/BELOW (+/-) (OR) AT PAR TO TOTAL AMOUNT (A) | | | | | |
| QUOTED PERCENTAGE (%) IN WORDS ABOVE/BELOW (OR) AT PAR TO TOTAL AMOUNT (A) | | | | | |
| *** QUOTED PERCENTAGE (%) IS APPLICABLE ON ALL THE RATES OF ITEMS UNIFORMLY. | | | | | |

TECHNICAL SPECIFICATIONS

Construction of Roads, drains, pathways, culverts and other associated civil works for 10 MWp (AC) SPV power plant. BHEL shall issue the relevant Civil and structural drawings of concerned works other materials details during execution of works in phased manner as per requirement.

QUALITY ASSURANCE AND INSPECTION FOR CIVIL WORKS:

1. INTRODUCTION:

This part of the specification covers the sampling, testing and quality assurance requirement (including construction tolerances and acceptance criteria) for all civil and structural works covered in this specification. Wherever IS code or standards have been referred they shall be the latest revisions. The rate for respective items of work or price shall include the cost for all works, activities, equipment, instrument, personnel, material etc. whatsoever associated to comply with sampling, testing and quality assurance requirement including construction tolerances and acceptance criteria and as specified in subsequent clauses of this part of the technical specifications.

The QA and QC activities in all respects as specified in the technical specifications/ drawings / data sheets /quality plans / contract documents shall be carried out at no extra cost to the owner. The contractor shall prepare detailed construction and erection methodology scheme which shall be compatible to the requirements of the desired progress of work execution, quality measures, prior approvals if any and the same shall be got approved by the Engineer. If required, work methodology may be revised/reviewed at every stage of execution of work at site, to suit the site conditions by the contractor at no extra cost to the owner.

2. QA AND QC MANPOWER

The contractor shall nominate one overall QA coordinator for the contract detailing the name, designation, contact details and address at the time of post bid discussions. All correspondence related to Quality Assurance shall be addressed by the contractors QA coordinator to BHEL. BHEL shall address all correspondence related to Quality issues to the contractors QA coordinator. The Contractors QA coordinator shall be responsible for co-ordination of Quality activities between various divisions of the contractor and their sub-vendors on one hand & with BEL on the other hand.

The contractor shall appoint a dedicated, experienced and competent QA&QC in charge at site, preferably directly reporting to the Project Manager, supported as necessary by experienced personnel, to ensure the effective implementation of the approved QAP. The contractor shall finalize and submit a deployment schedule of QA&QC personnel along with their details to BHEL for approval acceptance and further shall ensure their availability well before the start of the concern activity.

SECURITY

The Contractor shall have total responsibility for all equipment and materials in his custody stores, loose, semi-assembled and/or erected by him at Site. The Contractor shall make suitable security arrangements including employment of security personnel to ensure the protection of all materials, equipment and works from theft, fire, pilferage and any other damages and loss. All materials of the Contractor shall enter and leave the Employer Site only with the written permission of the Employer in the prescribed manner.

CONTRACTOR'S AREA LIMITS

The Employer will mark-out the boundary limits of access roads, parking spaces, storage and construction areas for the Contractor and the Contractor shall not trespass the areas not so marked out for him. The Contractor shall be responsible to ensure that none of his personnel move out of the areas marked out for his operations. In case of such a need for the Contractor's personnel to work out of the areas marked out for him the same shall be done only with the written permission of the Employer.

CONTRACTOR'S CO-OPERATION WITH THE EMPLOYER

In case where the performance of the erection work by the Contractor affects the operation of the system facilities of the Employer, such erection work of the Contractor shall be scheduled to be performed only in the manner stipulated by the Employer and the same shall be acceptable at all times to the Contractor. The Employer may impose such restrictions on the facilities provided to the Contractor such as electricity, etc. as he may think fit in the interest of the Employer and the Contractor shall strictly adhere to such restrictions and co-operate with the Employer.

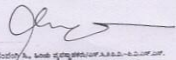
It will be the responsibility of the Contractor to provide all necessary temporary instrumentation and other measuring devices required during start-up and operation of the equipment systems which are erected by him. The Contractor shall also be responsible for flushing and initial filling of all the oil and lubricants required for the equipment furnished and installed by him, so as to make such equipment ready for operation. The Contractor shall be responsible for supplying such flushing oil and other lubricants unless otherwise specified elsewhere in documents and specifications

MATERIALS HANDLING AND STORAGE

All the equipment's furnished under the Contract and arriving at Site shall be promptly received, unloaded and transported and stored in the storage spaces by the Contractor. Contractor shall be responsible for examining all the shipment and notify the Employer immediately of any damage, shortage, discrepancy etc. for the purpose of Employer's information only. The Contractor shall submit to the Employer every week a report detailing all the receipts during the week.

However, the Contractor shall be solely responsible for any shortages or damage in transit, handling and /or in storage and erection of the equipment at Site. Any demurrage, wharfage and other such charges claimed by the transporters, railways etc. shall be to the account of the Contractor. The Contractor shall maintain an accurate and exhaustive record detailing out the list of all equipment received by him for the purpose of erection and keep such record open for the inspection of the Employer. All equipment shall be handled very carefully to prevent any damage or loss. No bare wire ropes, slings, etc. shall be used for unloading and/or handling of the equipment without the specific written permission of the Employer. The equipment stored shall be properly protected prevent damage either to the equipment or to the floor where they are stored. The equipment

CONTRACTOR (SEAL & SIGNATURE)



સંપાંગી સી. સી. મેનેજર (સી.પી.વે.સી.)
SAMPANGI C. SR. MANAGER (C.P.V.S.)
BHEL, P.O., WILSON ROAD, BHARUCHA, 392 015

from the store shall be moved to the actual location at the appropriate time so as to avoid damage of such equipment at Site.

The actual location at the appropriate time so as to avoid damage of such equipment at Site. The Contractor shall ensure that all the packing materials and protection devices used for the various equipment's during transit and storage are removed before the equipment are installed. The consumables and other supplies likely to deteriorate due to storage must be thoroughly protected and stored in a suitable manner to prevent damage or deterioration in quality by storage. All the materials stored in the open or dusty location must be covered with suitable Weather proof and flameproof covering material wherever applicable.

If the materials belonging to the Contractor are stored in areas other than those earmarked for him, the Employer will have the right to get it moved to the place earmarked for the Contractor at the Contractor's cost. The Contractor shall be responsible for making suitable indoor storage facilities to store all equipment which require indoor storage. Normally, all the electrical equipment's such as motors, control gear, generators, exciters and consumables like electrodes, lubricants etc. shall be stored in the closed storage space. The Employer, in addition, may direct the Contractor to move certain other materials, which in his opinion will require indoor storage, to indoor storage areas which the Contractor shall strictly comply with.

CONSTRUCTION MANAGEMENT

The field activities of the Contractors working at Site, will be coordinated by the Employer and the Employer decision shall be final in resolving any disputes or conflicts between the Contractor and other Contractors and tradesmen of the Employer regarding scheduling and co- ordination of work. Such decision by the Employer shall not be a cause for extra compensation or extension of time for the Contractor.

The Employer shall hold weekly meetings of all the Contractors working at Site, at time and place to be designated by the Employer. The Contractor shall attend such meetings and take notes of discussions during the meeting and the decisions of the Employer and shall strictly adhere to those decisions in performing his Works. In addition to the above weekly meeting, the Employer may call for other meeting either with individual Contractors or with selected number of Contractors and in such a case the Contractor if called, will also attend such meetings. Time is the essence of the Contract and the Contractor shall be responsible for performance of his works in accordance with the specified construction schedule.

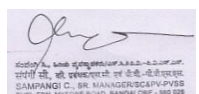
If at any time, the Contractor is falling behind the schedule, he shall take necessary action to make good for such delays by increasing his work force or by working overtime or otherwise accelerate the progress of the work to comply with the schedule and shall communicate such actions in writing to the Employer, satisfying that his action will compensate for the delay. The Contractor shall not be allowed any extra compensation for such action. The Employer shall however not be responsible for provision of additional labour

And /or materials or supply or any other services to the Contractor except for theca-ordination work between various Contractors as set out earlier.

FIELD OFFICE RECORDS

The Contractor shall maintain at his Site Office up-to- date copies of all drawings, specifications and other Contract Documents and any other supplementary data complete with all the latest revisions

CONTRACTOR (SEAL & SIGNATURE)



SAMPANGI C. SR. MANAGER
SR. MANAGER

thereto. The Contractor shall also maintain in addition the continuous record of all changes to the above Contract Documents, drawings, specifications, supplementary data, etc. effected at the field and on completion of his total assignment under the Contract shall incorporate all such changes on the drawings and other Engineering data to indicate as installed conditions of the equipment furnished and erected under the Contract. Such drawings and Engineering data shall be submitted to the Employer in required number of copies.

CONTRACTOR'S MATERIALS BROUGHT ON TO SITE

The Contractor shall bring to Site all equipment, components, parts, materials, including construction equipment, tools and tackles for the purpose of the Works under intimation to the Employer. All such goods shall, from the time of their being brought vest in the Employer, but may be used for the purpose of the Works only and shall not on any account be removed or taken away by the Contractor without the written permission of the Employer. The Contractor shall nevertheless be solely liable and responsible for any loss or destruction thereof and damage There to.

The Employer shall have a lien on such goods for any sum or sums which may at any time be due or owing to him by the Contractor, under, in respect of or by reasons of the Contract. After giving a fifteen (15) days' notice in writing of his intention to do so, the Employer shall be at liberty to sell and dispose off any such goods, in such manner as he shall think fit including public auction or private treaty and to apply the proceeds in or towards the satisfaction of such sum or sums due as aforesaid. After the completion of the Works, the Contractor shall remove from the Site under the direction of the Employer the materials such as construction equipment, erection tools and tackles, scaffolding etc. with the written permission of the Employer. If the Contractor fails to remove such materials, within fifteen (15) days of issue of a notice by the Employer to do so then the Employer shall have the liberty to dispose off such materials.

PROTECTION OF PROPERTY AND CONTRACTOR'S LIABILITY

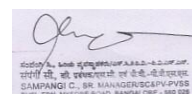
The Contractor shall be responsible for any damage resulting from his operations. He shall also be responsible for protection of all persons including members of public and employees of the Employer and the employees of other Contractors and Sub- Contractors and all public and private property including structures, building, other plants and equipment's and utilities either above or below the ground.

The Contractor will ensure provision of necessary safety equipment such as barriers, sign - boards, warning lights and alarms, etc. to provide adequate protection to persons and property. The Contractor shall be responsible to give reasonable notice to the Employer and the Employers of public or private property and utilities when such property and utilities are likely to get damaged or injured during the performance of his Works and shall make all necessary arrangements with such Employers, related to removal and/or replacement or protection of such property and utilities.

PAINTING

Unless otherwise mentioned in other sub-sections. all exposed metal parts of the equipment including piping's, structure railings, etc. wherever applicable, after installation unless otherwise surface protected, shall be first painted with at least two coats of suitable primer which matches

CONTRACTOR (SEAL & SIGNATURE)



SAMPANGI C. B.R. MANAGER
SAMPANGI C. B.R. MANAGER
SAMPANGI C. B.R. MANAGER

the shop primer paint used, after thoroughly cleaning all such parts of all dirt, rust, scales, greases, oils and other foreign materials by wire brushing, scraping or sand blasting and the same being inspected and approved by the Employer for painting. Afterwards, the above parts shall be finished Painted with three coats of allowed resin machinery enamel paints. The minimum thickness of paint film shall not be less than 100 microns. The quality of the finish paint shall be as per the standards of Bureau of Indian Standards (BIS) or equivalent and to be of the colour as approved by the Employer.

INSURANCE

In addition to the conditions covered under the Clause entitled “Insurance” in Section General Conditions of Contract (GCC), the following provisions will also apply to the portion of works to be done beyond the Contractor’s own or his Sub-Contractor’s manufacturing Works.

Workmen’s Compensation Insurance

This insurance shall protect the Contractor against all claims applicable under the Workmen’s Compensation Act, 1948 (Government of India). This policy shall also cover the Contractor against claims for injury, disability disease or death of his or his Sub-Contractor’s employees, which for any Reason are not covered under the Workmen’s Compensation Act, 1948. The liabilities shall not be less than the following: Workmen’s Compensation - As per Statutory Provisions Employee’s Liability - As per Statutory Provisions

UNFAVOURABLE WORKING CONDITIONS

The Contractor shall confine all his field operations to those works which can be performed without subjecting the equipment and materials to adverse effects during inclement weather conditions, like monsoon, storms, etc. and during other unfavorable construction conditions. No field activities shall be performed by the Contractor under conditions which might adversely affect the quality and efficiency thereof, unless special precautions or measures are taken by the Contractor in a proper and satisfactory manner in the performance of such Works and with the Concurrence of the Employer. Such unfavorable construction conditions will in no way relieve the Contractor of his responsibility to perform the Works as per the schedule.

PROTECTION OF MONUMENTS AND REFERENCE POINTS

The Contractor shall ensure that any finds such as relic, antiquity, coins, fossils, etc. which he may come across during the course of performance of his Works either during excavation or elsewhere, are properly protected and handed over to the Employer. Similarly the Contractor shall ensure that the bench marks, reference points, etc., which are marked either with the help of Employer or by the Employer shall not be disturbed in any way during the performance of his Works. If, any work is to be performed which disturb such reference, the same shall be done only after these are Transferred to other suitable locations under the direction of the Employer. The Contractor shall provide all necessary materials and assistance for such relocation of reference points etc.

Emergency Action Plan.

The contractor shall prepare an emergency action plan approved by his competent authority to handle any emergency occurred during construction work. Regular mock drills shall be organized to practice this emergency plan. The Emergency Action Plan should be widely circulated to all the employees and suitable infrastructure shall be provided to handle the emergencies.

Scaffolding.

The contractor shall take all precautions to prevent any accidental collapse of scaffolding or fall of persons from scaffolding. The contractor should ensure that scaffolding are designed by a competent person and its erection and repairs should be done under the expert supervision- The scaffolding shall meet the required strength and other requirements for the purpose for which the scaffold is erected. The material used for scaffold should conform to the BIS / International standards.

Opening.

The contractor shall ensure that there is no opening in any working platform/any floor of the building, which may cause fall of workers or material. Whenever an opening on a platform/any floor of the building is unavoidable, the opening should be suitably fenced and necessary measures for protection against falling objects or building workers from such platform are taken by providing suitable safety nets, safety belts or other similar means.

Explosives.

The contractor shall take all precautions while handling, using, storing or transporting of all explosives. Before usage of any explosive necessary warning /danger signals be erected at conspicuous places to warn the workers and general public. The contractor should strictly ensure that all measures and precautions required to be complied for use, handling, storing or transportation of explosives under the rules framed under the Explosives Act, 1884.

Coffer Dam and Caissons (if required)

The Contractor shall ensure that the cofferdam and caissons are of good construction and adequate strength. The cofferdam and caissons should be provided with adequate means for workers to reach safely at the top of such dams in the even of an in-rush of water. The workers should be allowed to work in a cofferdam or caisson only after inspection and found safe by Engineer-in –charge. Such inspection is to be maintained in a Register. Where the workers are employed to work in a compressed air environment at the work site of coffer dam or caissons a Construction Medical Officer assisted by a Nurse or trained first aid attendant should be available at all the times during such work.

Fencing of Machinery.

The contractor shall provide suitable fencing or guard to all dangerous and moving parts of machinery. The contractor shall not allow any of the employees to clean, lubricate, repair, adjust or examine during machinery in motion, which may cause injury to the person. Working Platforms should be fenced and shall have means of access

Carrying of Excessive Weight by a Worker.

The worker shall not be allowed to lift by hand or carry over his head, back or shoulder more than the maximum limit set by the prescribed rules for the construction Workers.

Dangerous and Harmful Gases/Equipment.

The contractor shall ensure that the workers are not exposed to any harmful gases during any construction activity including excavation, tunnelling, confined spaces etc. The contractor should not allow any worker to go into the confined space unless it is certified by Engineer in-charge to be safe and fit for the entry to such work place. Proper record and work permits should be followed to carry out such works.

Overhead Protection.

The contractor shall ensure that any area exposed to risk of falling materials, articles or objects is roped off or cordoned off or otherwise suitably guarded from inadvertent entry of any person. Wherever there is a possibility of falling of any material, equipment or construction workers while working at heights, a suitable and adequate safety net should be provided. The safety net should be in accordance with BIS Standards.

Working at Heights.

- a) All working platforms, ways and other places of construction work shall be free from accumulations of debris or any other material causing obstructions and tripping.
- b) Wherever workers are exposed to the hazard of falling into water, the contractor shall provide adequate equipment for saving the employees from drowning and rescuing from such hazards. The contractor shall provide boat or launch equipped with sufficient number of life buoys, life jackets etc. manned with trained personnel at the site of such work.
- c) Every opening at elevation from ground level through which a building worker, vehicle, material equipment etc. may fall at a construction work shall be covered and/or guarded suitably by the contractor to prevent such falls.
- d) Wherever the workers are exposed to the hazards of falling from height, the contractor shall provide full harness safety belts fitted with fall arresting systems to all the employees working at higher elevations and life line of 8mm diameter wire rope with turn buckles for anchoring the safety belts while working or moving at higher elevations. Safety nets shall also be provided for saving them from fall from heights and such equipment should be in accordance with BIS standards.
- e) Wherever there is a possibility of falling of any material, equipment or construction workers while working at heights, a suitable and adequate safety net should be provided. The safety net should be in accordance with BIS Standards.
- f) The contractor shall provide standard prefabricated ladders on the columns where the workers are required to use them as an access for higher elevations till permanent staircase is provided. The workers shall be provided with safety belts fitted with suitable fall arresting system (Fall arresters) for climbing/getting down through ladders to prevent fall from height.

g) Rungs shall not be welded on columns. All the Stairs shall be provided with handrails immediately after its erection.

Handling of Hazardous Chemicals.

a) The Contractor will notify well in advance to the Engineer-in-charge of his intention to bring to the Site any container filled with liquid or gaseous fuel or explosive or petroleum substance or such chemicals which may involve hazards. BEL/BHEL shall have the right to prescribe the conditions, under which such container is to be stored, handled and used during the performance of the works and the Contract shall strictly adhere to and comply with such instructions. The Engineer-in-charge shall have the right at his sole discretion to inspect any such container or such construction plant / equipment for which material in the container is required to be used

and if in his opinion, its use is not safe; he may forbid its use. No claim due to such prohibition shall be entertained by BEL and BEL shall not entertain any claim of the Contractor towards additional safety provisions /conditions to be provided for / constructed.

b) Further, any such decision of the Engineer-in-charge shall not, in any way, absolve the Contractor of his responsibilities and in case, use of such a container or entry thereof into the Site area is forbidden by BEL/BHEL, the Contractor shall use alternative methods with the approval of the BEL/BHEL without any cost implication to the BEL/BHEL or extension of work schedule.

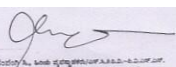
c) Where it is necessary to provide and / or store petroleum products or petroleum mixtures and explosives, the Contractor shall be responsible for carrying-out such provision and / or storage in accordance with the rules and regulations laid down in Petroleum Act 1934, Explosives Act 1948, and Petroleum and Carbide of Calcium Manual published by the Chief Inspector of Explosives of India. All such storage shall have prior approval of the Engineer In-charge In case any approvals are necessary from the Chief Inspector (Explosives) or any statutory authorities; the Contractor shall be responsible for obtaining the same.

d) The Contractor shall be fully responsible for the safe storage of his and his Sub-contractor's radioactive sources in accordance with BARC/DAE (Bhabha Atomic Research Centre/ Department of Atomic Energy, Govt. of India) Rules and other applicable provisions- AU precautionary measures stipulated by BARC/DAE in connection with use, the contractor would take storage and handling of such material.

e) The contractor shall provide suitable personal protective equipment's to the workers who are handling the hazardous and corrosive substances including alkalis and acids.

f) As a precautionary measure the contractor should keep the bottles filled with distilled water in cupboard / Boxes near work place for emergency eyewash by worker exposed to such hazardous chemicals.

CONTRACTOR (SEAL & SIGNATURE)



સંપાંગી સી. સી. મેનેજર (સી.પી.વે.સી.)
SAMPANGI C. SR. MANAGER (C.P.V.S.)
BHEL, PONDICHERRY, INDIA

Eye Protection.

The contractor shall provide suitable personal protective equipment to his workmen depending upon the nature of hazards and ensure their usage by the workers engaged in operations like welding, cutting, chipping, grinding or similar operations which may cause injuries to his eyes.

Excavation.

The contractor shall take all necessary measures during excavation to prevent the hazards of falling or sliding material or article from any bank or side of such excavation which is more than one and a half meter above his footing by providing adequate piling, shoring, bracing etc. against such bank or sides. Adequate and suitable warning signs shall be put up at conspicuous places at the excavation work to prevent any persons or vehicles falling into the excavation trench. No worker should be allowed to work where he may be stuck or endangered by excavation machinery or collapse of excavations or trenches.

Electrical Hazards.

a) The contractor should ensure that all electrical installations at the construction work comply with the requirements of latest electricity acts/rules.

b) The contractor shall take all adequate measures to prevent any worker from coming into physical contact with any electrical equipment or apparatus, machines or live electrical circuits which may cause electrical hazards during the construction work. The contractor shall provide the sufficient ELCBs / RCCBs for all the portable equipment's, electrical switchboards, distribution panels etc. to prevent electrical shocks.

c) The contractor should ensure use of single / double insulated hand tools or low voltage i.e., 110 volts hand tools.

d) The contractor should also ensure that all temporary electrical installations at the construction works are provided with earth leakage circuit breakers.

e) No electric cable in use by the Contractor /Employer will be disturbed without prior permission. No weight of any description will be imposed on any cable and no ladder or similar equipment will rest against or attached to it.

f) The Contractor shall employ necessary number of qualified, full time Electricians/electrical supervisors to maintain his temporary electrical installations.

Vehicular Traffic.

The contractor should employ vehicle drivers who hold a valid driving license under the Motor Vehicles Act, 1988.

Lifting Appliances, Tools & Tackles. Lifting Gear and Pressure Plant & Equipment etc.

The contractor shall ensure all the lifting appliances, tools & tackles including cranes etc., lifting gear including fixed or movable and any plant or gear, hoists, Pressure Plant and equipment etc. are in good condition and shall be examined by competent person and only certified shall be used at sites. Periodical Examination and the tests for all lifting / hoisting equipment & tackles shall be

carried out. A register of such examinations and tests shall be properly maintained by the Contractor and will be promptly produced as and when desired by the Engineer I/c or by the person authorized by him.

Excessive Noise, Vibration.

The contractor shall take adequate measures to protect the workers against the harmful effect of excessive noise or vibration. The noise should not exceed the limits prescribed under the concerned rules. Noise Pollution (Regulation and Control) Rules, 2000.

Electrical Installations.

a) The Contractor shall not interfere or disturb electric fuses, wiring and other electrical equipment belonging to the Employer or other contractors under any circumstances, whatsoever, unless expressly permitted in writing by the Engineer I/c to handle such fuses, wiring or electrical equipment. Before the

b) Contractor connects any electrical appliances to any plug or socket belonging to the other contractor or the BEL/BHEL, he shall:-Satisfy the Engineer I/C that the appliance is in good working condition; Inform the Engineer I/C of the maximum current rating, voltage and phases of the appliances; Obtain permission of the Engineer-in-Charge detailing the sockets to which the appliances may be connected.

c) The Engineer in-charge will not grant permission to connect until he is satisfied that:-The appliance is in good condition and is fitted with suitable plug; having earth connection with the body. Wherever armoured / metallic sheathed multi core cable is used, the same armoured / sheathed should be connected to earth.

d) No repair work shall be carried out on any live equipment. The Engineer in-Charge must declare the equipment safe and a permit to work shall be issued by the BEL/BHEL / contractor as the case may be to carry out any repair/ maintenance work. While working on electric lines / equipment's whether live or dead, suitable type and sufficient quantity of tools will have to be provided by the contractor to electricians / workmen / Officers.

e) The contractor shall employ necessary number of qualified, full time Electricians / Electrical Supervisors to maintain his temporary electrical installation.

f) The installations are provided with suitable ELCBs and RCCBs wherever required.

Safety Organisation.

a) The contractor employing more than 250 workmen whether temporary, casual, probationary, regular or permanent shall employ at least one fulltime safety officer exclusively to supervise safety aspects of the equipment's and workmen, who will coordinate with the BEL/BHEL Safety Officer. Further requirement of safety officers, if any, shall be guided by Rule 209 of The Building and Other Construction Worker (Regulation of Employment and Conditions of Service) Central Rule 1998. In case the work is being carried out through subcontractor, the employees / workmen of the

Sub-contractor shall also be considered as the contractor's employees/workmen for the above purpose.

- b) In case of contractor deploying less than 250 workmen he should designate one of his Engineer / Supervisor or the contractor himself (if he is directly supervising the work) as safety officer in addition to his existing responsibilities. The Engineer. / Supervisor should get at least 2 days safety training from any reputed organization or from BEL/BHEL before resuming the work. If already trained in past the declaration along with training. Certificate to be furnished to BEL safety officer.
- c) The name and address of such Safety Officer of the Contractor will be promptly informed in writing to the EIC with a copy to the Project Safety Officer before he starts work or immediately after any change of the incumbent is made during currency of the Contract.

Reporting of Accident and Investigation.

In case any accident occurs during the construction / erection or other associated activities undertaken by the Contractor thereby causing any near miss, minor or major or fatal injury to his employees due to any reason, whatsoever, it shall be the responsibility of the Contractor to promptly inform the same to the Engineer in charge, BEL/BHEL Safety Officer with a copy to BEL/BHEL Head of Project in the prescribed form and also to all the authorities envisaged under the applicable laws.

Right to stop Work.

a) The Engineer I/C shall have the right at his sole discretion to stop the work, if in his opinion the work is being carried out in such a way that it may cause accidents and endanger the safety of the persons and / or property, and / or equipment's. In such cases, the contractor shall be informed in Writing about the nature of hazards and possible injury / accident and he shall comply to remove shortcomings promptly. The Contractor after stopping the specific work can, if felt necessary appeal against the order of stoppage of work to the Project Manager within 3 days of such stoppage of work and decision of the Project Manager in this respect shall be conclusive and binding on the Contractor.

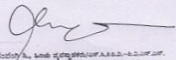
b) The Contractor shall not be entitled for any damages / compensation for stoppage of work due to safety reasons and the period of such stoppage of work shall not be taken as an extension of time for Completion of the Facilities and will not be the ground for waiver of levy of liquidated damages.

Fire Protection.

a) The contractor shall provide sufficient fire extinguishers at place /s of work. The fire extinguishers shall be properly maintained as per relevant BIS Standards. The employees shall be trained to operate the fire extinguishers / equipment.

b) The Contractor shall provide enough fire protection equipment of the types and number for the warehouses, office, temporary structures, labour colony area etc. Access to such fire protection equipment, shall be easy and kept open at all time.

CONTRACTOR (SEAL & SIGNATURE)



સંપાંગી સી. સી. મેનેજર
SAMPANGI C. SR. MANAGER
BEL/CPA, 11/10/2018, BANGALORE, INDIA

200/- per person per day and such worker shall be sent out of the workplace immediately and shall not be allowed to work on that day. Engineer in charge/ Safety Officer of BEL will also issue a notice in this regard to the contractor.

d) If two or more fatal accidents occur at same BEL site under the control of contractor during the period of contract and he has:-

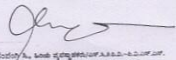
- (1) Not complied with keeping adequate PPEs in stock,
- (2) Defaulted in providing PPR's to his workmen
- (3) Not followed statutory requirements /BEL safety rules
- (4) Been issued warning notice/s by BEL head of the project on non-observance of safety norms
- (5) Not provided safety training to all his workmen, the contractor can

Be debarred from getting tender documents in BEL for two years from the date of last accident.

e) The safety performance will also be one of the overriding criteria for evaluation of overall performance of the contractors by BEL. The contractor shall submit the accident data including fatal / non-fatal accidents for the last 3 years where he has undertaken the construction activities Projects-wise along with the tender documents. This will also be considered for evolution of tender documents. If the information given by the contractor found incorrect, his contract will be liable to be terminated.

Royalty certificates to be supplied by the contractor if required.

CONTRACTOR (SEAL & SIGNATURE)



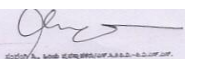
ಸಂಪಂಗಿ ಸಿ. ಬಿ.ಆರ್. ಸಾಂಪನ್ಮೂಲ ಅಭಿವೃದ್ಧಿ ಮತ್ತು ಸುರಕ್ಷಾ ಇಲಾಖೆ
SAMPANGI C. B.R. MANAGER/SC&PV/SS
BHEL-504, 51/10th FLOOR, BANGALORE, INDIA



BHARAT HEAVY ELECTRICALS LIMITED
ELECTRONICS DIVISION
BANGALORE – 560026

GENERAL CONDITIONS OF CONTRACT
FOR
LUMP-SUM, ITEM-RATE AND PERCENTAGE
CONTRACT

CONTRACTOR (SEAL & SIGNATURE)


ಸಂಪಂಗಿ ಸಿ. ಬಿ. ಮ್ಯಾನೇಜರ್, ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ವಿಭಾಗ,
ಬಿ.ಹೆ.ಎಲ್. ಲಿಮಿಟೆಡ್, ಮೈಸೂರು ರೋಡ್, ಬೆಂಗಳೂರು - 560026
SAMPANGI C. B. MANAGER/ELECTRONICS DIVISION
BHEL-EON, MYSORE ROAD, BANGALORE - 560 026

REVISED GENERAL CONDITIONS OF CONTRACT w.e. f. 1-4-1975**CONTENTS**

| Condition Number | Description |
|------------------|-------------|
|------------------|-------------|

CHAPTER –I

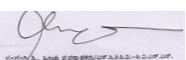
1. Definitions

CHAPTER-II

2. Heading to the contractor
3. Contract documents
4. Works to be carried out
5. Provisional items
6. Deviations
7. Time
8. Stores & materials
9. Delay & Extension of time
10. Patent Rights
11. Octroi & other duties
12. Royalties
13. Plant & Equipment
14. Assignment or Transfer of contract
 - a) Sub -contract
15. Compliance to Regulations and Bye –laws

CHAPTER –III

16. Security deposit
17. Orders under the contract
18. Admission to site
19. Contractor's Supervision
20. Labour
21. Water
22. Temporary Workshops, stores etc.,
23. Stores & materials-on-site etc
24. Tools & plant on site
25. Statement of Hire charges
26. Precautions against Risks
27. Notices & Fees
28. Setting out of the works and protecting & maintaining signal marks
29. Site drainage
30. Excavations, relies, etc.,
31. Foundations
32. Covering in work
33. Approval of works by stages
34. Execution of works

CONTRACTOR (SEAL & SIGNATURE)
સંસ્થાના નામ લખવાનું સ્થાન છે-સંસ્થાના
સંસ્થાના નામ લખવાનું સ્થાન છે-સંસ્થાના
SAMPANGI C. BK. MANAGER/SC&P/PV/SB
BHEL-EOR, WISQHE ROAD, BANGALORE-560 028

35. Day work
36. Inspection of the work
37. Responsibility for building
38. Insurance of works against damage and loss, due to fire, tempest, floods etc.
39. Damage or loss to private property and injury to workman.
40. Completion
41. Compensation for delay.
42. Laws governing the content.
43. Cancellation of contract for corrupt act.
44. Cancellation of contract for insolvency, assignment or sub-letting of contract
45. Cancellation of contract for default.
46. Termination of contract for death.
47. Special powers or determination.
48. Fair wage.

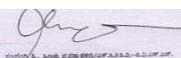
CHAPTER-IV

49. Records and measurements.
50. Valuation of deviations.
51. Reimbursement / refund on variation in price.
52. Advances on account.
53. Final bill.
54. Payment of bills.
55. Recovery from contractor.
56. Post-technical audit of work and bills.
57. Refund of security deposit.

Annexure- 'A'

BHEL contractor's Labour Regulation and BHEL safety code (See Condition 20)

CONTRACTOR (SEAL & SIGNATURE)

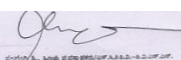


संपाङ्गी सी. आर. म्याङ्गर/SC&PV/VS
संपाङ्गी सी. आर. म्याङ्गर/SC&PV/VS
SAMPANGI C. AR. MANAGER/SC&PV/VS
BHEL-EOR, WISCHIE ROAD, BANGALORE - 560 028

In the case of percentage rate contracts, “Contractor’s percentage” shall, if the context so permits, mean the uniform percentage tendered by the contractor and accepted by the Accepting Officer, and the expression “CONTRACT RATE” shall likewise mean the rates in the K.P.W.D. schedule of rate as amended up to 1979 - 80 as adjusted by the said Contractor’s percentage, if any.

- k) The “CONTRACTOR SUM” means the sum accepted, or the sum calculated in accordance with the prices accepted in the tender and / or the contract rates as payable to the Contractor for the entire execution and full completion of the work.
- l) The “FINAL SUM” means the actual amount payable under the contract by BHEL, to the Contractor for the entire execution and full completion of the work.
- m) The “DATE OF COMPLETION” is the date or dates for completion of the whole or any part of the work as set out in or ascertained in accordance with the individual work orders or the tender documents, or any subsequent agreed amendment thereto.
- n) A “WEEK” means seven days without regard to the number of hours worked or not worked in any day in that week.
- o) A “DAY” means a day of 24 (Twenty four) hours irrespective of number of hours worked or not in that day A “WORKING DAY” means any day other than that prescribed by the Negotiable instruments ACT as being a holiday, consists of the number of hours of labour as commonly recognized by good employers in the trade in the District where the work is carried out or as laid down in the BHEL Regulation.
- p) “DEVIATION ORDER” means any an order given by the Senior Engineer/Civil or Engineer-in-charge to effect an alteration, addition or deduction, which does not radically affect the scope of nature of the contract.
- q) “EMERGENCY WORK” means any urgent measures which, in the opinion of the Engineer-in-charge, become necessary during the progress of the work to obviate any risk of accident or failure or which become necessary for security.
- r) “PROVISIONAL SUM” or “PROVISIONAL LUMPSUM” means a lump-sum include by the BHEL in the tender documents and represent the estimated value of work for which details are not available at the time of inviting the tender.
- s) “PROVISIONAL ITEMS” means items for which approximate quantities have been included in the tender documents.
- t) “DAY WORK” means on item of work requiring the employment of labour with or without materials as the case may be, which, in the opinion of the Senior Engineer /Civil-in-charge, is not capable of being evaluated by the accepted methods of measurement or assessment and is paid for on the basis of the actual labour and materials utilised on the particular item of work referred to.

CONTRACTOR (SEAL & SIGNATURE)



संपाङ्गी सी. बी. म्यानेजर/सीएफ/एचई
संपाङ्गी सी. बी. म्यानेजर/सीएफ/एचई
SAMPANGI C. B. MANAGER/SC&F/CHSE
BHEL-EOR, WISCHIE ROAD, BANGALORE - 560 028

CHAPTER-II

SCOPE OF CONTRACT

2. HEADING TO THE CONTRACT

The heading to these conditions shall not affect the interpretation thereof

3. CONTRACT DOCUMENTS:

The accepting officers shall furnish to the Contractor on demand "FREE OF COST" three copies of signed Drawing and one copy of the signed agreement comprising of preamble to Agreement, General and Special Specifications, Schedules 'A' 'B' 'C' 'D' and 'D' etc., (but excluding General Conditions of Contract and Drawing) and three copies of all further drawings issued during the progress of work.

However, for any additional copies of the agreement or drawings required by the Contractor, the same will be supplied on payment the Specified Cost.

The contractor shall keep one copy of all the drawings and of the specifications on the site and the Engineer-in-charge or his representative shall at all reasonable times have access to them.

4. WORK TO BE CAREED OUT :

The Contract shall, expect as provide under Schedules 'B' and 'C' include all labour , materials, tools, plant , equipment and transport which may be required in preparation for , and in the execution and full completion of the work. Schedule 'A' shall be deemed to have been prepared in accordance with good practice and recognized principles and unless otherwise stated , the descriptions given therein shall be held to include waste on materials, carriage and cartage, lead ,return of empties , hosting, setting, fitting in position and all other labour necessary in and for the entire execution and full completion aforesaid. Any error in description or quantity in Schedule 'A' or any omission there from shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the work comprised therein according to the drawings and specifications, or from any of his obligations under the contract. The insertion of the name of any firm of suppliers in the Tender Document is for the purpose of obtaining a particular class or quantity of materials or workmanship but the articles or materials specified may be obtained from any other firm subject to the prior written approval of the Senior Engineer / Civil / Engineer/Civil.

In the case of a discrepancy between Schedules 'A' the Specifications and/or the drawings, the accepting officer shall be the sole deciding authority as to which shall prevail and his decision shall be final and conclusive. If neither drawings nor specifications contain any mention of minor details of construction, which in the opinion of the Accepting Officer whose decision shall be final and conclusive, are responsible and obvious and fairly intended for the satisfactory completion of the work, such details shall be provide by the Contractor without any extra cost as if they were specially mentioned and shall be deemed to be included in the contract.

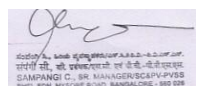
The Contractor will be deemed to have satisfied himself as to the nature of the site, local facilities of access and all matters affecting the execution and completion of the work. No extra charges consequent on any misunderstanding in this respect or otherwise will be allowed.

5. PROVISIONAL ITEMS:

The full amount of provisional lump-sum and the value annexed to each provisional item inserted in the Tender documents shall be deducted from the contract sum and the value of work ordered and executed there under shall be ascertained by measurement or valuation as for deviations.

No work under these items is to be begun without instructions in writing from the Engineer- in –charge.

CONTRACTOR (SEAL &SIGNATURE)



Signature and Stamp of the Contractor, Sampangi C. B. Manager/SC&PV/PSB, Bhilwara, Mysore Road, Bangalore - 560 008

8. STORES AND MATERIALS:

The contractor shall, at his own expense, supply all stores and materials required for the contract, other than those listed in Schedule 'B' which may be provided by Bharat Heavy Electricals Limited at the rates detailed therein subject to their availability at the place of issue indicated therein. All stores and materials to be supplied by the Contractor shall be of the best kind as described in the Specifications and the Contractor shall,

if required by the Engineer –in- charge furnish him with proof to his satisfaction that the store and materials so comply with the specifications.

The contractor shall, at his own expense and without delay, supply samples of stores and materials proposed to be used in the execution of the work for the approval of the Engineer-in charge, who may reject all stores and materials not corresponding either in quality or character to the approved samples.

In the case of stores provided under Schedule 'B' the Contractor shall bear the cost of loading, transporting to site, unloading, storing under cover as required, assembling & jointing the several parts together as necessary and incorporating & fixing these stores & materials in the work, including all preparatory work of whatever description that may be required, and closing, preparing, loading and returning empty cases or containers to the place of issue without any extra charges.

9. DELAY AND EXTENSION OF TIME:

If, in the opinion of senior Engineer/Civil/engineer/Civil the work is delayed:

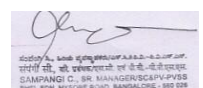
- i) by reason of abnormally bad weather, or
- ii) by reason of serious loss or damage by fire, or
- iii) by reason of civil commotion, local combination of workmen, strike or lockout, affecting any of the trades employed on the work, or
- iv) by delay on the part of the agency or tradesman engaged by BHEL in executing work not forming part of this contract, or
- v) by reason of any other cause which in the absolute discretion of the Sr. M/P. Sr. E/C. or E/C is (when he is the Accepting Officer of the Contract) beyond the contractors control, then in any such case, the Accepting Officer, on the recommendation of the Sr. E/C., E/C (or higher authority) may make fair and reasonable extension in the completion dates of the individual items of work or the contract as a whole. Such extension which will be communicated to the contractor by the Sr. E/C. /E/C. in writing shall be final and binding on the contractor. No other claim in this respect for compensation or otherwise howsoever is admissible. Upon the happening of any such event causing delay, the contractor shall immediately give notice thereof in writing to the Sr. E/C/E/C but shall do all that may reasonably be required to the satisfaction of the Sr. E/C/E/C to proceed with the work.

10. PATENT RIGHTS:

The contractor shall fully indemnify BHEL, or the agent, servant, or employee of BHEL, against any action, claim or proceeding relating to infringement or the use of any patent or design or any alleged patent or design rights, and shall pay any royalties which may be payable in respect of any article/ or part thereof included in the contract.

In the event of any claims being made or action brought against BHEL, or any agent, or servant or employee of BHEL., in respect of any of the matters aforesaid, the contractor shall not apply when such increment has taken place in complying with the specific directions issued by the BHEL but the contractor shall pay any royalties payable in respect of any such use.

CONTRACTOR (SEAL & SIGNATURE)



SAMPANGI C. SR. MANAGER/SC&PV/PS
BHEL-EON, WISDOM ROAD, BANGALORE - 560 028

11. OCTROI AND OTHER DUTIES:

All charges on account of Octroi, Terminal or Sales Tax and / or other duties on materials obtained for the work (excluding materials provided by BHEL, on payment) shall be borne by the contractor.

12. ROYALTIES:

Royalties fixed from time to time as per prevalent local rules will be recovered for materials, which the contractor may be allowed to remove from quarries situated on land which is in charge of the BHEL, authorities.

13. PLANT AND EQUIPMENT:

The contractor, shall at his own expenses, supply all tools, plant and equipment (herein-after referred to as T & P) required for the execution of the contract, as specified in the tender documents.

14. ASSIGNMENT OR TRANSFER OF CONTRACT:

The contract shall not, without the prior written approval of the Accepting Officer, assign or transfer the contract or any part thereof, or any share, or interest therein to any other person. No sum of money which may become payable under the contract shall be payable to any person other than the contractor unless the prior written approval of the Accepting Officer to the assignment or transfer of such money is given.

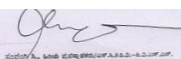
a) SUB-CONTRACT:

The contractor shall not sub-let any portion of the contract without the prior written approval of the Accepting Officer

15. COMPLIANCE TO REGULATION AND BYE-LAWS :

The contractor shall conform to the provisions of any statute relating to the work and regulations and bye-law of any local authority and water and of any water and lighting Companies or under takings with those systems the works is proposed to be connected. He shall before making any variation from the drawings or the specification that may be necessitated for such connection give the Senior Engineer /civil /E/C notice, specifying the variation proposed to be made and the reason therefore and shall not vary out any such variation until he has received instructions from the Senior Engineer/ Civil /E/C in respect thereof. The contractor shall be bound to give all notices required by statute regulations or bye-laws as aforesaid and to pay all fees and taxes payable to any authority in respect thereof.

CONTRACTOR (SEAL & SIGNATURE)



संपांगी सी. बी. मॅनेजर
SAMPANGI C. B. MANAGER/SC&P/PVBS
BHEL-EOR, WISQHE ROAD, BANGALORE - 560 028

CHAPTER-III

PERFORMANCE OF THE CONTRACT

16. SECURITY DEPOSIT

Upon acceptance of the tender, the successful tenderer shall remit the security deposit with Bharat Heavy Electricals Ltd within the time as specified in the Letter of Intent.

The rate of Security Deposit will be as below:

| | |
|-------------------------------------|---|
| Up to Rs.10 Lakhs | 10% |
| Above Rs. 10 Lakhs up to Rs.50lakhs | Rs .1 Lakhs + 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 contractor should submit the Security Deposit before the start of the work.

- 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 Saving Certificates, Kisan Vikas Patras etc., (Certificate should be held in the name of contractor furnishing the security and duly pledged in favour of BHEL and discharged on the back)
- v) Bank Guarantee from scheduled Banks/Public financial Institutions as defined in the companies Act subject to a maximum of 50% of the total security deposit value. The balance 50% has to be remitted either by cash or in the other form of security. The Bank Guarantee format should have the approval of BHEL.
- vi) Fixed Deposit Receipt issued by scheduled Banks/Public Financial Institutions as defined in the Companies Act. The FDR should be in the name of the contractor, A/C BHEL, duly discharged on the back.
- vii) Security Deposit can also be recovered at the rate of 10% from the running bills. However in such cases at least 50% of the Security Deposit should be collected before start of the work and 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: Accepting of Security Deposit against Sl. No. (iv) and (vi) above will be subject to hypothecation or endorsement on the documents in favour on 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.

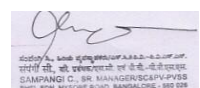
For extra items of work and deviated quantities, security deposit will be recovered at 10% of the value of deviated amount. The security deposit will be released as stipulated under clause 16(IV) of GCC.

17. ORDERS UNDER THE CONTRACT:

All orders, notices etc. to be given under the contract shall be in writing, type script of printed and if sent by registered post to the address given in the tender of the contractor , shall be deemed to have been served on the date when in the ordinary course they would have been delivered to him.

The contractor shall carry out without delay all orders given to him.

CONTRACTOR (SEAL & SIGNATURE)



SAMPANGI C. B. MANAGER/SC&PV/PS
BHEL-EOR, WISQHE ROAD, BANGALORE - 560 028

immediately to cease to employ in connection with this contract any agent, servant or employee whose continued employment is, in his opinion, undesirable.

The contractor shall not be allowed any compensation on this account.

20. LABOUR:

The contractor shall employ labour in sufficient numbers either directly or through sub-contractors to maintain the required date of progress and of quality to ensure workmanship of the degree specified in the contract and to the satisfaction of the Engineer-in-charge. The contractor shall not employ in connection with the works any person who has not completed his fifteen years of age.

The contractor shall furnish to the Engineer-in-charge at the intervals specified by him, a distribution return of the number and description by trades of the work people employed on the works. The contractor shall also submit on the 4th and 19th of every month to the Engineer-in charge a true statement showing in respect of the second half of the preceding month and the first half of the current month (i) the accident that occurred during the said fortnight showing the circumstances under which they happened and the extent of damage and injury caused by them and (ii) the number of female workers who have been allowed maternity benefit as provided in the maternity benefit Act, 1961 or Rules made there under and the amount paid to them.

The contractor shall pay to labour employed by him either directly or through sub-contractors wages not less than fair wages as defined in the contractor's labour regulations.

The contractor shall in respect of labour employed by him either directly or through sub-contractors comply with or cause to be complied with contractors Labour Regulations in regard to all matters provided therein.

The contractor shall comply with the provisions of the payment of Wages Act, 1936, Minimum Wages Act, 1948, Employers Liability Act 1938, Workman's Compensation Act, 1923, industrial Disputes Act, 1947, Maternity Benefit Act, 1961 and Mines Act 1952 or any other law relating thereto and rules and there under from time to time.

The contractor shall be liable to pay his contribution and the employees' contribution to the State Insurance Scheme in respect of all labour employed by him for the execution of the contract, in accordance with the provision "The Employees" State Insurance Act, 1948" as amended from time to time. In case the contractor fails to submit full details of his account of labour employed and the contribution payable, the Engineer-in-charge shall recover from the running bills of contractor an account of contribution as assessed by him. The amount so recovered shall be adjusted against the actual contribution payable for employees' State Insurance.

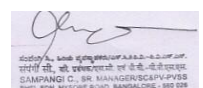
The Engineer-in-charge shall on a report having been made by an inspecting Officer as defined in the contractors labour regulations have the power to deduct from the moneys due to the Contractor any sum required or estimated to be required for making good the loss suffered by a workers by reason of non-fulfillment of the conditions of the contract for the benefit of workers, non-payment of wages or of deductions made from his or their wages which are not justified by the terms of the contract or non-observance of the contractors labour Regulations.

The contractor shall indemnify the BHEL against any payments to be made under for observances of the Regulations aforesaid without prejudice to his right to claim indemnify from this sub-contractors.

In the event o the Contractor committing a default or breach of any of the provisions of the aforesaid Contractors Labour Regulations, as amended from time to time or furnishing any information or submitting or filling any form/Resister/Slip under the provisions of these regulations which is materially incorrect then on the report of the Inspecting Officers as defined in the Contractors Labour Regulation, the contractor shall without prejudice to any other liability pay to the BHEL a sum not exceeding to Rs.50/- as liquidated damages for every default breach or furnishing, making, submitting, filling materially incorrect statement as may be fixed by the Engineer-in-charge and in the event of the contractors default continuing in this respect, the liquidated damages may be enhanced to Rs. 50/- per day for each day of default subject to a maximum percent of the estimated cost of woks put to tender.

The Engineer-in-charge shall deduct such amount from bills or security deposit of the contractors and credit the same to the Welfare fund constituted under Regulations. The decision of the Engineer-in-charge in this respect shall be final and binding.

CONTRACTOR (SEAL &SIGNATURE)



SAMPANGI C. B. K. MANAGER/SC&PV/PSB
BHEL-EON, WISCHIE ROAD, BANGALORE - 560 028

MODEL RULES FOR LABOUR WELFARE:

The contractor shall at his own expense comply with or cause to be complied with model Rules for Labour Welfare as appended to these conditions as rules framed by Government from time to time for the protection of health and for making sanitary arrangements for workers employed directly or indirectly on the works. In case the contractor fails to make arrangements as aforesaid, the Engineer-in-charge shall be entitled to do so and recover the cost thereof from the Contractor.

SAFETY CODE:

The contractor shall at his own expense arrange for the safety provisions as appended to these conditions or as required by the Engineer-in-charge, in respect of all labour directly or indirectly employed for performance of the works and shall provide all facilities in connection therewith. In case the contractor fails to make arrangements and provide necessary facilities as aforesaid, the Engineer-in-charge shall be entitled to do so and recover the cost thereof from the contractor.

Failure to comply with model Rules for Labour Welfare, Safety Code, or of the provisions relating to report on accidents and to grant of maternity benefits to female workers shall make the Contractor liable to pay to the BHEL as liquidated damages an amount not exceeding Rs 50/- for each default or materially incorrect statement. The decision of the Engineer-in-charge in such matters based on reports from the Inspecting Officers as defined in the contractor's Labour Regulation as appended to these conditions shall be final and binding and deductions for recovery of such liquidated damages may be made from any amount payable to the Contractor.

21. WATER :

The contractor shall allow in his tender and provide at his cost all water required for the work or his employees on the work, together with all pipes and fittings or other means that may be necessary or required to ensure a proper and ample supply of water for all purpose connected with the work.

In the event of a provision existing in the Tender documents for supply of water on payment by Bharat Heavy Electricals Limited, water will be supplied from the BHEL supply System, or other sources at any points fixed by the Senior Engineer/Civil on the site of work. The contractor shall make necessary arrangement for lifting, pumping, carrying or conveying the water as required at his own cost. The levy of water charges to be borne by the Contractor in such case shall be specifically mentioned in the Tender documents.

22. TEMPORARY WORKSHOPS, STORES ETC :

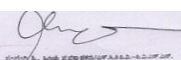
The Contractor shall, during the progress of the work provide, erect and maintain at his own expenses all necessary temporary workshops, store, offices etc., required for the proper and efficient execution of the work. The planning, siting and erection of these bldgs. shall have the approval of the Engineer-in-charge and the Contractor shall at all times them tidy and in a clean and sanitary condition to the entire satisfaction of the Engineer-in-charge.

On completion of the work all such temporary buildings shall be cleared away and the site restored and left in a clean and tidy condition to the entire satisfaction of the Engineer-in-charge.

23. STORES AND MATERIALS ON SITE :

All stores and materials required for the work are to be deposited by the Contractor only in places to be indicated by the Engineer-in-charge.

Where in accordance with the contract stipulations certain Stores and Materials (for incorporation in the work) are to be issued to the Contractor by the BHEL as detailed under Schedule 'E' such items will be so issued only to the extent required for the actual completion of the work as stipulated in the Contract. The decision of the

CONTRACTOR (SEAL & SIGNATURE)

SAMPANGI C. B. K. MANAGER/SC&PV/PVSE
BHEL-EON, WISCHIE ROAD, BANGALORE - 560 028

Property of contractor. All BHEL stores and materials issued to Contractor for incorporation or fixing in the work and which, making due allowance for reasonable wear and tear/or waste, have not on completion of the work been so incorporated or fixed, shall be returned by the Contractor at his own expense to the place of issue. Credit for surplus and/or materials returned by the contractor to BHEL will be given to him at a price based on the prevailing market rate but not exceeding that at which the said stores and materials were originally issued to him but due consideration shall be given to the allowance claimed by BHEL in respect of any depreciation or damages suffered by the stores and/or materials whilst in the custody of the contractor regarding which the decision of Sr. E/C/E/C shall be final and conclusive.

If, in the opinion of the Sr. E/C/E/C (which shall be final and conclusive) any stores supplied by BHEL have either during currency of the work or after completion of the work whilst under the custody of the contractor, become damaged to such an extent that they cannot be usefully utilized, either in the same work or in other works, the Sr. E/C/E/C shall not accept the stores and in the extent of his rejecting, the Contractor shall be charged for the said stores at a rate fixed by the Accepting Officer. The Contractor shall not be entitled to any claim what-so-ever on this account.

23a DEFECTS LIABILITY PERIOD:

the contractor shall be responsible to make good and remedy at his own expenses within such period as may be stipulated by the Engineer-in-charge, any defect which may develop or may be noticed before the expiry of the maintenance period of six months hereto from the certified date of completion and intimation of which has been sent to the contractor within seven days of the expiry of the said period by a letter sent by hand delivery or by registered post.

24. TOOLS AND PLANT ON SITE :

All tools, plant and equipment brought to the site shall become the property of BHEL and shall not be removed from the site without the prior written approval of the Senior Engineer/Civil/E/C. When the work is finally completed or the Contractor is determined for reasons other than the defaults of the contract, he shall forthwith remove from the site all tools, plants, equipment etc., (other than those as may have been provided by BHEL) and upon such removal, the same shall revert in, and become the property of the contractor.

25. STATEMENT OF HIRE CHARGES :

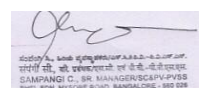
Monthly detailed statement of the hire charges incurred in respect of BHEL tools, plants, equipment etc., shall be given to the contractor by the Engineer-in-charge.

26. PRECAUTIONS AGAINST RISKS :

The contractor shall be responsible for providing at his own expense, for all precautions to prevent loss or damage from any and all risks and to minimize the amount of any such loss or damage and for the necessary steps to be taken for the said purpose until the works have been handed over complete in all respect to the Engineer-in-charge.

The contractor shall provide all watchmen necessary, for the protection of the site, the work, the materials, the tools, plant, equipment and anything else lying on the site during the progress of the work. He shall solely be responsible for and shall take all reasonable and proper steps for protecting, securing, lighting and watching all places on or about the work and the site which may be dangerous to any person whom so ever.

CONTRACTOR (SEAL & SIGNATURE)



SAMPANGI C. BK MANAGER/SC&P/PV/S&E
BHEL-EOR, WISDOM ROAD, BANGALORE - 560 028

27. NOTICES AND FEES :

The contractor shall give all notices required by any statutory provision or by the regulations and/ or bye-laws of any local authority and / or of any Public Service, Company or Authority affected by the work or with whose system the same area or will be connected. The contractor shall pay and indemnify BHEL against any fees and Charges, demandable by law under such Acts, Regulations and/ or bye-laws in respect of the work and shall make and supply all drawings and plans required in connection with any such notice.

28. SETTING OUT OF THE WORKS AND PROTECTIVE AND MAINTAINING SIGNALS AND WORKS :

The engineer-in-charge shall supply dimensioned drawing, levels and other information necessary to enable the contractor to set out the work. The contractor shall at his own expense set out accurately according to the drawing and figured dimension thereon, all the work comprised in the contract and any extras or additions thereto and shall be solely responsible for their being so set out the executed.

All bench marks, pegs, signals, on the surface, alignment stones, milestones and all similar marks weather put in by BHEL Authority for the purpose of checking the contractors work or in the nature of permanent survey marks will during the tender of the contract, be under the care of the contractor who shall, at his own expense, take all proper and reasonable precautions and care to preserve and maintain them in their true position. In event of these marks being disturbed or obliterated by accident or due to any other cause whatsoever, the same may, if deemed necessary to replace by the Sr.E/C/. E/C at contractors expense and the cost thereof deducted from any money than or thereafter becoming due to the contractor.

Where requested by the contractor, the level marks center line and chainage pegs corresponding to those shown on the drawing will be pointed out to the contractor on the ground but all bench marks or chainage pegs additional to those shown on the drawing will be set out by BHEL authorities.

29. SITE DRAINAGE :

All water that may accumulate on the site during the process of the work, or in trenches and excavations shall be removed to the entire satisfaction of the Engineer-in-charge and at Contractors expense.

30. EXCAVATIONS, RELICS ETC :

Material of any kind obtained from excavation on the site shall remain the property of BHEL and shall be disposed off as the Engineer-in-charge directs.

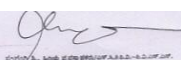
All gold, silver, oil and other materials of any description and all precious stones, coins, treasured, relics, antiquities and other similar items which may be found in or upon the site shall be the property of Bharat Heavy Electricals Limited and Contractor shall duly preserve the same to the satisfaction of the BHEL and shall from time to time deliver the same to such person or person as the Bharat Heavy Electricals Limited, may appoint to receive the same.

31. FOUNDATIONS :

The contractor shall not lay any foundations until the excavations for the same have been examined and approved in writing by the Engineer-in-charge.

32. COVERING-IN WORK :

The contractor shall give reasonable notice in writing to the Engineer-in-charge whenever any work is to be permanently covered up or concealed, whether by earth or other means so that it can finally be inspected or measured, if necessary. In default of so doing, the contractor shall, if required by the Engineer-in-charge uncover such work at his own expense.

CONTRACTOR (SEAL & SIGNATURE)
संपांगी सी. ई. म्यानेजर/सीएफ/एचई
SAMPANGI C. E. MANAGER/SCF/PHSE
BHEL-CON, WISCHIE ROAD, BANGALORE - 560 028

33. APPROVAL OF WORKS BY STAGES :

All work embracing more than one process shall be subject to examination and approval at each stage thereof and the contractor shall give due notice in writing to the Engineer-in-charge when each stage is ready. In default of such notice being received, the Engineer-in-charge shall be entitled to approve the quality and extent thereof at any time he may choose and in the event of any dispute, the decision of the Senior Engineer/Civil thereon shall be final and conclusive.

34. EXECUTION OF THE WORK :

The work shall be executed in a workman-like manner and to the satisfaction in all respects of the Engineer-in-charge. The Engineer-in-charge will communicate or confirm his instructions to the Contractor in respect to the execution of the work in a "work Site Order Book" maintained at his office and contractor shall visit this office daily and shall confirm receipt of such instructions by signing the relevant entries in this book. Such entries will rank as order or notices in writing within the intent and meaning of these conditions.

35. DAY WORK :

No day-work shall be performed without the prior written instructions of the Accepting Officer.

The Contractor shall give to the Engineer-in-charge reasonable notice of the start of any work ordered to be executed by day-work and shall deliver to the Senior Engineer/Civil-in-charge/E/C within two days of end of each pay-week return in duplicate giving full detailed accounts of labour and materials for that pay week. One copy of each of these returns, if found correct, will be certified by the Engineer-in-charge and returned to the contractor and must be produced at the time of adjustment of accounts.

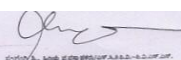
An invoice in duplicate signed by the Contractor or his agent shall be sent with each delivery of materials for day-work and the contractor will be furnished with a receipt signed by the Engineer-in-charge specifying the description, quantities weight or measurement (as the case may be) of the articles approved, reference will be made in this receipt in the return aforesaid and the receipt itself is to be produced in support of the Contractors bill.

In the case of Lump-sum contracts, the rates to be changed and the percentage addition for profit and establishment charges, etc, will be agreed upon between the Accepting Officer and the Contractor prior to the execution of the work.

36. INSPECTION OF THE WORK :

BHEL Offers concerned with the Contractor shall have power at any time to inspect and examine any part of the work and the contractor shall give such facilities as may be required to given for such inspection and examination.

Should E/C/E/C consider at any time during the expiry of maintenance period, that any work has been executed with unsound, imperfect or unskilled workmanship or of quality inferior to that contracted for or not otherwise in accordance with contract [in respect whereof the decision of the sir. E/C. shall be final and conclusive] the contractor shall, on demand in writing from the Sr. E/C.E/C specifying the fault notwithstanding that the same may have been inadvertently passed, certified and paid for, forthwith rectify or remove and reconstruct the work of specified, in whole or in part as the case may be require at his own expense to the entire satisfaction of the Sr. E/C. E/C in his demand aforesaid, the Sr. E/C. may carry out the work by other means at the risk and expense in all respect of the contractor. However, the liability of the contractor under this condition shall not extend beyond the maintenance period except as regard workmanship which the Sr. E/C .E/C shall have previously given notice of to contractor to rectify.

CONTRACTOR (SEAL &SIGNATURE)

संपांगी सी. बी.आर.
SAMPANGI C. B.R. MANAGER/SC&PV/PSSE
BHEL-EON, WISQHE ROAD, BANGALORE - 560 029

The Senior Engineer /Civil/E/C shall certify to the Contractor the date on which the work is completed and the state thereof.

The Senior Engineer/Civil/E/C shall also certify, to the Contractor the state of the work at the end of the maintenance period, where applicable.

41. COMPENSATION FOR DELAY:

If the contractor fails to maintain the required progress in terms of condition 7 or to complete the work and clear the site on or before the contracted or extended the period of completion, he shall, without prejudice to any other right or remedy of the BHEL on account of such breach, pay as agreed compensation an amount calculated as stipulated below or such smaller amount as may be fixed by the BHEL on the contract value of the work for every week that the progress remains below that specified in condition 7 or that the work remains incomplete.

This will also apply to items or a group of items for which separate period of completion has been specified

For this purpose the term ‘contract value’ shall be the value at contract rates of the work as ordered.

- a) completion period (as originally stipulated) not exceeding 6 months. @ 1 percent per week
- b) Completion period (as originally stipulated) Exceeding 6 months and not exceeding 2 years..... @ 1 / 2 percent per week
- c) Completion period (as originally stipulated) exceeding 2 years @ 1 / 4 percent per week

Provided always that the total amount of compensation for delay to be paid under condition shall not exceed the under noted percentage of the contract value or of the contract value of the item of group of items of work for which a separate period of completion is given:

- b) Completion period (as originally stipulated) not exceeding 6 months. @ 10 percent of the contract value
- b) Completion period (as originally stipulated) Exceeding 6 months and not exceeding 2 years..... @ 71/2percent of the contract value
- c) Completion period (as originally stipulated) Exceeding 2 years @ 5 percent of the contract value

The amount of compensation may be adjusted or set off against any sum payable to the Contractor under this or any other contract with the BHEL.

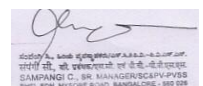
42. LAWS GOVERNING THE CONTRACT :

This contract shall be governed by the Indian Laws for the time being in force.

43. CANCELLATION OF CONTRACT FOR CORRUPT ACTS :

The Accepting Officer, whose decision shall be final and conclusive, shall, without prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to Bharat Heavy Electricals Limited, cancel the contract in any of the following cases and the contractor shall be liable to make payment to BHEL for any loss or damage resulting from any such cancellation to the same extent as provided in the case of cancellation for default. If the contract shall:

CONTRACTOR (SEAL &SIGNATURE)



- a) Offer or give or agree to give to any person in BHEL, service any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other contract for BHEL service,
OR
- b) Enter into a contract with BHEL in connection with which commission has been paid or agreed to be paid by him or with his knowledge, unless the particulars of any such commission and the terms of payment thereof have previously been disclosed in writing to the Accepting Officer,
OR
- c) Obtain a contract with BHEL as a result of RING tendering or by non-bonafide methods of competitive tendering without first disclosing the fact in writing to the Accepting Officer.

44. CANCELLATION OF CONTRACT FOR INSOLVENCY, ASSIGNMENT OR TRANSFER OR SUB LETTING OF CONTRACT :

The Accepting Officer, without prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to BHEL shall cancel the contract in any of the following cases:-

If the contractor:

- a) Being an individual, or if a firm any partner thereof, shall at any time be adjusted bankrupt or have a receiving order or orders for administration of his Estate made against him or shall take any proceeding, for liquidation or composition under Bankruptcy Act for the time being in force or make any conveyance or assignment of his effects of composition or arrangements for the benefit of his creditor or purport to do so, or if any application be made under any Bankruptcy Act for the time being in force for the sequestration of his estate or if a trust deed be granted by him on behalf of his creditor;
OR
- b) Being a company, shall pass a resolution or the court shall make an order for the liquidation of its affairs, or a Receiver or a Manager or behalf of the departures holders shall be appointed or circumstances shall arise which entitle the court or debenture holders to appoint a Receiver or Manager;
OR
- c) Assigns, transfers, sub-let or attempt to assign transfer or sub-let any portion of the work without the prior return approval of the Accepting Officer.

Whenever the Accepting Officer exercise his authority to cancel the contract under this condition he may complete the work by any means at the contractor risk and expense provided always that in the event of the cost of completion (as certified by Sr. E/C/E/C which is the final and conclusive) being less than the contract cost, the advantage shall accrue to the BHEL and that if the cost of completion exceeds the moneys due to the contractor under the contract, the contractor shall either pay the excess amount ordered by Sr. E/C/E/C or the same shall be recovered from the contractor by other means.

In case of BHEL completes the work under the provisions of this condition of cost of such completion to be taken into account in determining the excess cost to be charged to the contractor under this condition shall consist of this cost of material purchased and /or labour provided by the BHEL with an addition of such percentage to cover superintendence and establishment charges as may be decided by the Sr. Manager (P) Sr. E/C/E/C whose decision shall be final and conclusive.

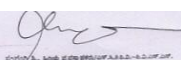
45. CANCELLATION OF CONTRACT IN PART OR IN FULL FOR CONTRACTORS DEFAULT :

If the contractor;

Makes default in commencing the work within reasonable time form date of handing over of the site and continuous in that state after a reasonable notice from senior/Engineer /Civil E/C;

OR

CONTRACTOR (SEAL &SIGNATURE)



SAMPANGI C. B. MANAGER/SC&P/PVSS
BHEL-EOR, WISQHE ROAD, BANGALORE - 560 028

- a) In the opinion of the Sr. E/C/E/C at any time, whether before or after the date or extended date for completion, make default in proceeding with the work, with due diligence and continues in that state after a reasonable notice from Sr.E/C/E/C.
- b) Fails of comply with any of terms and conditions of the contract or after reasonable notice in writing with orders properly issued there under :
- c) Fails to complete the work, work order and items of work with individual dates for completion and clear the site on or before the date of completion, or fails to achieve the progress as set out under clause 7 of these General Conditions of Contract.

The Accepting Officer may, without prejudice to any other rights or remedies which shall have accrued or shall accrue thereafter to BHEL cancel the contract as a whole or in part thereof or only such work order or items of work in default from the contract. Whenever the Accepting Officer exercises his authority to cancel the contract as a whole or in part under this condition he may complete the work at the contractor risk and cost, provided always that in the events of the cost of completion (has certified by Sr. E/C/E/C which is final and conclusive) being less than the contract cost, the advantage shall accrue to the BHEL if the cost of the excess amount ordered by Sr. M.P./Sr. E/C/E/C or the same shall be received from the contractor by other means.

In case of BHEL completes the work or any part thereof under the provisions of this condition the cost of such completion to be taken into account in determining the excess cost to be charged to the contractor under this condition shall consist of the cost of the material purchased and /or labour provided by the BHEL with an addition of such percentage to cover superintendence and establishment charges as may be decided by the Sr. M.P. /Sr. E/C/E/C. whose decision shall be final and conclusive.

46. TERMINATION OF CONTRACT OF DEATH :

Without prejudice to any of the rights or remedies under this contract, if the contractor dies, Accepting Officer shall have the opinion of terminating the contract without compensation to the contractor.

47. SPECIAL POWER OF DETERMINATION:

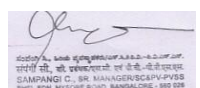
If at any time after the Acceptance of the tender, BHEL shall for any reason whatsoever not required the whole or any part of the work, to be carried out, the Sr. M.P./Sr. E/C/E/C shall give notice in writing of the fact to the contractor who shall have no claim to any payment of compensation or otherwise howsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of the force closing of the work.

He shall be paid at Contact rate, for the full amount of the work executed including such additional works, e.g. clearing of site, etc., as may be rendered necessary by the said fore-closing. He shall also be allowed reasonable payment (as decided by the Accepting Officer) for any expenses sustained on account of labour and materials collected but which could not be utilised on the work, as verified the Sr. E/C Neither shall the contractor has any claim for compensation on account of any alterations having been made in the original specifications drawings, designs and instructions, involving any curtailment of the work as originally contemplated.

48. FAIR WAGE :

- a) The Contractor shall pay not less than the 'Fair Wage' to labourers engaged by him on the work.

CONTRACTOR (SEAL & SIGNATURE)



SAMPANGI C. SR MANAGER/SC&PV/PSSE
BHEL-EOR, WISQHE ROAD, BANGALORE - 560 028

CHAPTER-IV
VALUATION AND PAYMENT

49. RECORDS AND MEASUREMENTS :

All items having a financial value shall be entered in the BHEL Measurement Book so that a complete record is obtained of all works performed under the contract.

Building etc. priced in schedule 'A' as a unit lump-sum will be entered by number at the unit lump-sum.

Work carried out for agreed lump-sums will be described and similarly recorded.

Lump-sum omissions will be entered for deduction. Measurement shall be restricted to that required to ascertain the financial liability of BHEL under the contract.

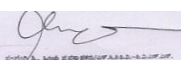
Work which fails to be measured in detail shall be measured physically, without reference to any local custom that may obtain excepting where it may otherwise be directed in the tender documents. The measurements shall be taken jointly by any person duly authorised on the part of the BHEL and by the contractor. The Engineer-in-charge shall give reasonable notice in writing to the Contractor of appointment for measurement.

The contractor shall, without extra charge, provide assistance with appliances and other things necessary for measurement.

The Contractor shall bear all the cost of measurement of his work.

Measurement shall be entered in the BHEL Measurement book and signed and dated by both parties each day at the site on completion of measurement. If the contractor objects to any of the measurement recorded on behalf of the BHEL a note that effect will be made in the BHEL measurement book or against the item or items objected to; and such note shall be signed and dated by both the parties engaged in taking the measurement.

CONTRACTOR (SEAL & SIGNATURE)


संपांगी सी. बी. म्यान्जर/सि.एच.ए.सी.डी.डी.
संपांगी सी. बी. म्यान्जर/सि.एच.ए.सी.डी.डी.
SAMPANGI C. B. MANAGER/SI.CH.A.SI.DI.DI
BHEL-CON, WISCHIE ROAD, BANGALORE - 560 008

If, as a result of such objection, it becomes necessary to re-measure the work wholly or in part, the expense of such re-measurement shall be borne by the party requiring the, measurement to be re-taken provided that a net error is found by this re-measurement to amount to less than 5% (five percent) of the value as recorded by the first measurement. But, where the net errors amount to 5% and over of the said value, then the cost is to be borne by the other party. If any case, of the net value of errors found exceeds Rs. 500/- the expense of re-measurement is to be borne by the other party.

If the Contractors representative fails to attend when required, the Engineer-in-charge shall have power to proceed by himself to take measurements and in that case these measurements shall be accepted by the Contractor as final.

The contractor shall, once every month submit to the Senior Engineer/Civil/E/C with a copy to the Sr. M/P/details of his claims for the work done by him up to and including the previous months which are not covered by his contract Agreement in any of the following respects.

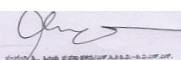
- a) Deviation from the items and Specifications provided in the contract documents.
- b) Extra items/New items of work.
- c) Quantities in excess of those provided in the contract schedule.
- d) Items in respect of which rates have not been settled. He should, in addition, furnish a clear certificate to the effect that the claims submitted by him as aforesaid cover all his claims and that no further claims shall be raised by him in respect of the work done upto and including the period under report.

50. VALUATION OF DEVIATIONS :

Rate for deviated items of work will be fixed as follows:

- I. For any item of wok required to be carried out after the contract has been awarded and which is not covered by Contractors Schedule but is covered by K.P.W.D. schedule of rates the rate payable for such a fresh item will be derived from K.P.W.D. Schedule by the method of proportion as follows:
 - a) IN the same proportion to the rate in K.P.W.D. Schedule of Rates as the tendered rate for the nearest analogous items of work in Contractors Schedule bears to the rate for the particular analogous item or wok in K.P.W.D. schedule of Rates.
 - b) If a single appropriate analogous item of work is not available in both Schedule Contractor's and K.P.W.D. Schedule then the method of proportion will be applied to the nearest analogous group of items available in both the Schedules referred i.e. in the same proportion as the total tendered cost of that particular group of items (the sum of the products of the tendered rates and the quantities for which orders are placed) bears to the total cost of the same items and quantities at the K.P.W.D.Schedule of Rates.
 - c) If even an appropriate analogous group of items is not available in Contractor's Schedule and K.P.W.D. Schedule, then the methods of proportion will be applied to all those items of the whole work, which are available in both the Schedules and for which orders have been placed on the Contractor, i.e., In the same proportion as the total cost of all these items of work (the sum of the products of the tendered rates and the quantities for which orders are placed) bears to the total cost of the same items and quantities at the K.P.W.D. Schedule of Rates.
- II. If any work not covered by any of the foregoing is ordered on the Contractor, the basis of payment shall be decided by the Accepting Officer whose decision shall be final and conclusive and binding on the parties.

CONTRACTOR (SEAL &SIGNATURE)



SAMPANGI C. BK MANAGER/SC&P/PSSE
BHEL-EON, WISQHE ROAD, BANGALORE - 560 028

The selection of analogous item or analogue group of items referred to above shall be done by the Sr. E/C./E/C. Where the rates for deviated items or new items of work can be derived by the selection of different analogous items or analogous group of items, the lowest of all such derived rates shall be taken as the correct rate.

In the case of the contracts for which the Sr. E/C./E/C is the Accepting Officer, all disputes regarding the settlement of rates of deviated or new items of work shall to the Sr. M/P. whose decision shall be final and conclusive.

51. REIMBURSEMENT/REFUND ON VARIATION IN PRICE, MATERIALS :

In after submission of the tender and/or during the progress of the works, the price of any materials (not being a material supplied from the BHEL, stores in accordance with the Conditions of the Contract) is increased or decreased by an Act of Legislature (Central or state) and /or any notification there under or on account of new duties or levies such as Octroi or on account of increase or decrease in such duties affecting the price of materials required for incorporation in the works or the price of any item to be incorporated in the works and made from materials of which the price has increased or decreased as aforesaid and the Contractor has thereupon to pay in respect of such material or item a price which is higher or lower than the price of that material or item as prevailing immediately before the passing of such Act or levying, increasing/decreasing of such duty, the BHEL., shall in case of increase in price or the duty reimburse the Contractor the increase in price or additional increased duty paid by the Contractor and in case of decrease I price, the BHEL shall be entitled to a refund of the reduction in duty. Provide however no reimbursement or refund shall be made if the increase /decrease is not more than plus 10% of the said price, the reimbursement or refund shall be made only on the excess over 10% provided always that any such increase shall not payable if, in the opinion of the Sr. M/P whose decision shall be final and conclusive the increase is attributable to the delay in the execution of the contract within the control of the Contract, or that any such increase has become operative after the contracted/or extended date completion of the work or items of work in question.

The Contractor shall, for the propose of this condition, keep such books of account and other document as are necessary to show the account of any increase claimed or any reduction available and shall allow inspection of the same by any duly authorised representative of the BHEL and further shall at the request of the Sr, E/C/E/C. furnish for verification such other information of the Sr. E/C/E/C may require.

The contractor shall within a reasonable time of his becoming aware of any alteration in the prices of any such materials, give notice thereof in writing to the Sr. E/C.E/C stating that the rate is submitted in pursuance to this condition together with all information relating thereto which he may be in a position to supply.

52. ADVANCES ON ACCOUNT :

No payment shall be made for work estimated to cost less than Rupees One Thousand till after the whole of the work shall have been completed and a certificate of completion given by the Competent authority.

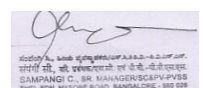
In the case of work estimated to cost more than Rupees One Thousand the contractor may at intervals of not less than one month or as otherwise provided for in the Contract documents, counting from the date on which order to the commence work given by Sr. E/C.E/C submit claims on BHEL forms for payment of advance on account of work done and of materials delivered in connection with the Contract.

The Contractor shall be paid in respect of such claims to the extent approved and passed by the Sr. E/C.E/C subject a maximum of 90% o the value of the work actually executed in site provided the work has been executed to the satisfaction of the Engineer-in-charge. The certificate of the Sr. E/C. E/C regarding such approval and passing of the sums so payable shall be final and conclusive against the Contractor.

“After the full amount of Security Deposit is made up through the 10% deductions from ‘On Account’ bills, 100% of all subsequent bills may be made to the Contractor”.

The Contractor may also be paid during the progress of the work 75% of the value of any materials which are in the opinion of the Engineer-in-charge in accordance with contract, and are actually required for incorporation in the work and which have reasonably been brought to the site in-connection therewith and are adequate stored

CONTRACTOR (SEAL &SIGNATURE)



SAMPANGI C. SR. MANAGER/SC&P/VSSE
BHEL-EON, WISCHIE ROAD, BANGALORE - 560 028

an/or protected against damage by weather or other causes, but which have not at the time of payment of the advance been incorporated in the work. Payment of such advances however shall be purely at the discretion of the Sr. M/P/Sr.E/C./E/C provided always that payments shall not be made under these periodical certificates in respect of perishable materials like lime, cement, timber, sand kankar etc.

Any sums/due from the Contractor on account of tools and plant, stores or any other items provided by BHEL shall be deducted from the respective advances.

The Senior Engineer/Civil/E/C shall from time to time certify the sums payable to the Contractor after retaining the reserves.

Any certificate relating to work done or materials delivered may be modified or corrected by any subsequent interim certificate or by the final certificate and no certificate of the Sr. E/C/E/C supporting an advance payment shall itself be conclusive evidence that any work or materials to which it relates are in accordance with the contract. All such intermediate payments shall be regarded as advances against the final payment only and shall not be considered as an admission of the due performance of the contract or any part thereof in respect or the accruing of any claim whatsoever. Such intermediate payments shall not conclude, determine or effect in any way the powers of the Sr. E/C/E/C as to the final settlement and adjustment of the account or otherwise, or in any way vary or affect the Contract.

53. FINAL BILL :

As soon as possible after the completion of the work to the satisfaction of the Engineer-in-charge, the contractor shall forward a certified final account on BHEL forms, in duplicate. It shall be accompanied by all abstracts, vouchers etc., in support thereof and shall be prepared in the manner prescribed by the Senior Engineer /Civil/E/C. No claim will be entertained after the receipt of the final bill.

The contractor shall be entitled to be paid the final sum less the value of payments already made on account, subject to certification of the final bill by the Sr. E/C/E/C any sums due from the contractor on account Tools and plant, Stores or any other items provided by BHEL not yet recovered from the contractor shall be deducted from the final sum aforesaid.

No charge shall be allowed to the contractor on account of the preparation of the final bill.

54. PAYMENT OF BILLS :

All payments to be made to the Contractor under this contract shall be by “Crossed Cheque” marked “A/C payee only” (within a reasonable time after the certification by the Sr. E/C/E/C at the.....
.....located in the station where either the work is executed or service rendered or at their branch nearest to the station where the Office of the Senior Engineer/Civil/E/C is located.)

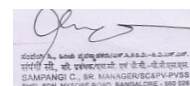
55. RECOVERY FROM CONTRACTOR :

Whenever under the contract any sum of money shall be recoverable from or payable by the contractor the same may be deducted from any sum then due or which at any time thereafter may become due to the contractor under the contract or under any other contract with BHEL of from his Security Deposit or he shall pay the claim on demand.

56. POST TECHNICAL AUDIT OF WORK AND BILLS :

BHEL reserve the right to carry out a post-payment audit and technical examination of the work and final bill including all supporting vouchers, abstract etc., and to enforce recovery of any sums becoming due as a result

CONTRACTOR (SEAL &SIGNATURE)



ANNEXURE- 'A'**BHEL CONTRACTOR'S LABOUR REGULATIONS.****(See condition 20)****1. DEFINITION:**

In these regulations, unless otherwise expressed or indicated, the following words and expressions shall have the meaning hereby assigned to them.

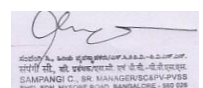
- a) "Labour" means workers employed by a contractor directly or indirectly through a sub-contractor, or by an agent on his behalf on a payment not exceeding Rs. 500/- per month.
- b) "Fair Wage" means wages, which shall include wages for weekly day of rest and other allowances, whether for time or piece work, after taking in to consideration prevailing market rates for similar employment in the neighborhood but shall not be less than the minimum rates of wages fixed under the Minimum wages Act.
- c) "Contractor" for the purpose of these Regulations shall include on agent or sub-contractor employing labour on the work taken on contractor.
- d) "Inspecting Officer" means any Labour Enforcement Officer or Assistant Labour Commissioner of the Chief Labour Commissioner's organisation.
- e) "Form" means a form appended to these Regulations.

2. NOTICE OF COMMENCEMENT:

The contractor shall, within seven days of commencement of the work, furnish in writing to the Inspecting Officer of the area concerned the following information, with copy to the Engineer- in charge.

- a) Name and situation of the work.
 - b) Contractor's name and address.
 - c) Particulars of the Department for which the work is undertaken.
 - d) Name and address of the sub-contractors as and when they are pointed.
 - e) Commencement and probable duration of the work.
 - f) Number of workers employed and likely to be employed.
 - g) 'Fair Wages' for different categories of workers.
3. I) Number of hours which shall constitute a normal working day. The number of hours which shall constitute a normal working day for an adult shall be NINE hours. The working day of an adult worker shall be so arranged that of intervals, if any for rest it shall not spread over more than 12 hours on any day, when an adult worker is made to work for more than NINE hours on any day or for more than 48 hours in any week he shall in respect of overtime work, be paid wages at double the ordinary rate of wages.
- II) Weekly day of rest: Every worker shall be given a weekly day of rest, which shall be fixed and notified at least 10 days in advance. A worker shall not be required or allowed to work on the weekly rest day unless he has or will have a substitution rest day, on one of the five days immediately before or after the rest day, provided that no substitution shall be made which will result in the worker working for more than 10 days consecutively without a rest day for a whole day.

Where in accordance with the foregoing provisions a worker works on the rest day and has been given a substituted rest day he shall be paid wages for the work done on the weekly rest day at the overtime rate of wages.

CONTRACTOR (SEAL & SIGNATURE)

SAMPANGI C. B. MANAGER/SC&PV/PSSE
BHEL-EOR, WISCHIE ROAD, BANGALORE - 560 028

NOTE: The expression 'Ordinary rate of wages' means the fair wage the worker is entitled to.

4. DISPLAY OF NOTICE REGARDING WAGES, WEEKLY DAY OFF REST ETC.

The Contractor shall before he commences his work on contract display and correctly maintain and continue to display and correctly maintain in a clean legible condition in conspicuous places on the works, notice in English and in the local Indian languages, spoken by majority of workers, giving the rate of fair wages, the hours of work for which such wages are payable, the weekly rest days workers are entitled to and name and address of the Inspecting Officer. The Contractor shall send a copy of each of such notice to the Inspecting Officers and the Engineer's in charge.

5. FIXATION OF WAGE PEIODS:

The contractor shall fix wage periods in respect of which wages shall be payable. No wage period shall normally exceed one work.

6. PAYMENT OF WAGES:

- i) Wages due to every worker shall be paid to him direct. All wages shall be paid in current coins or currency or in both.
- ii) Wages of every worker employed on the contractor shall be paid where the wages period is one week, within three days from the end of the wage period, and in any other case before the expiry of the 7th day or 10th day from the end of the wage period according as the number of workers does not exceed 1,000 in exceeds 1000.
- iii) When employment of any worker is terminated by or on behalf of the contractor, the wages earned by him shall be paid before expiry of the day succeeding the one on which his employment is terminated.
- iv) Payment of wages shall be made at the work site on a working day except when the work is completed before expiry of the wage period, in which case final payment shall be made at the work site within 48 hours of the wage period, in which case final payment shall be made at the work site within 48 hours of the last working day and during normal working time.

Note:

The term "working day" means a day on which the work, on which labour is employed, is in progress.

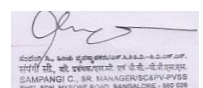
7. REGISTER OF WORKMEN:

A register of workmen shall be maintained in the form appended to these regulations and kept at the work site or as near to it as possible, and the relevant particulars of every work men shall be entered therein within 3 days of his employment.

8. EMPLOYMENT CARD:

The contractor shall issue an employment card in the form appended to these regulations to each worker on the day of work or entry into his employment. If a worker has already any such card with him issued by the previous employer the contractor shall merely endorse that employment card with relevant entries. On termination of employment the employment card shall again be endorsed by the contractor and returned to the worker.

CONTRACTOR (SEAL & SIGNATURE)



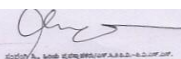
SAMPANGI C. B. MANAGER/SC&PV/PSB
BHEL-CON, WISCHIE ROAD, BANGALORE - 560 028

9. REGISTER OF WAGES ETC:

- i) A register of wages- cum-muster roll in the form appended to these regulations shall be maintained and kept at the work site or as near to it as possible.
- ii) A wage slip in the form appended to these regulations shall be issued to every worker employed by the contractor at least a day prior to disbursement of wages.

10. FINES AND DEDUCTIONS WHICH MAY BE MADE FROM WAGES:

- i) Wages of worker shall be paid to him without any deductions of any kind except the following:
 - a) Fines.
 - b) Deductions for absence from duty, i.e. from the place or the places where by the terms office employment is required to work. The amount of deduction shall be in proportion to the period for which he was absent.
 - c) Deduction for damage to or loss of goods expressly entrusted to the employed person for custody, or for loss of money which he is required to account for, where such damage or loss is directly attributable to his neglect or default ;
 - d) Deduction for recovery of advances or for adjustment of over payment of wages. Advances granted shall be entered in a register ; and
 - e) Any other deduction which the BHEL may from time to time allow.
- ii) No fines shall be imposed on a worker save in respect of such acts and omissions on his part as have been approved by the chief Labour Commissioner.
- iii) No fines shall be imposed on a worker and no deductions for damage for loss shall be made from his wages until the worker has been given an opportunity of showing – cause against such fines or deductions.
- iv) The total amount of fines which may be imposed in any one wage period on a worker shall not exceed an amount equal to three Paise in rupee of the wages payable to him in respect of that wage period.
- v) No fine imposed on a worker shall be recovered from him in installments, or after expiry of sixty days from the date on which it was imposed. Every fine shall be deemed to have been imposed on the day of the act or omission in respect which it was imposed.
- vi) The contractor shall maintain both in English and the local Indian language a list, approved by the Chief labour Commissioner, clearly stating the acts and omissions for which penalty or fine may be imposed on a workman and display it in good condition a conspicuous place on the work site.
- vii) The contractor shall maintain a register of deductions for damage or loss in the forms appended to these regulations which should be kept at the place of work.
 - a) Full particulars of the labourers who met with the accident.
 - b) Sex.
 - c) Age.
 - d) Rates of wages.
 - e) Nature of accident and cause of accident.
 - f) Time and date of accident.
 - g) Date and time when admitted in hospital.
 - h) Date of discharge from the hospital.
 - i) Period of treatment and result of treatment.

CONTRACTOR (SEAL & SIGNATURE)

संपांगी सी. बी. कानगर/SC&PV/PVSE
SAMPANGI C. BK MANAGER/SC&PV/PVSE
BHEL-EOR, WISCHIE ROAD, BANGALORE - 560 028

- j) Percentage of loss of earning capacity and disability as assessed by Medical officer.
- k) Claim required to be paid under Workmen Compensation Act.
- l) Date of payment of compensation.
- m) Amount paid with details of the person to whom the same was paid.
- n) Authority by whom the compensation was assessed.
- o) Remarks.

11. REGISTER OF ACCIDENTS:

The contractor shall maintain a register of accidents in such form as may be convenient at the work place but the same shall include the following particulars :-

12. PRESERVATION OF REGISTERS:

The register of workmen and the Register of wages-Cum-Muster Roll required to be maintained under these Regulations shall be preserved for 3 years after the date on which the last entry is made therein.

13. ENFORCEMENT:

The Inspecting Officer shall either on his own motion or on a complaint received by him carry out investigations and send a report to the Engineer-in-charge specifying the amount representing / workers dues and amount of penalty to be imposed on the contractor for breach of these regulations, that have to be recovered from the contractor, indicating full details of the recoveries proposed and the reasons, there for. It shall be obligatory of the part of the Engineer-in-charge on receipt of such a report to deduct such amounts from payments due to the contractor.

14. DISPOSAL OF AMOUNTS RECOVERED FROM THE CONTRACTORS:

The engineer in charge shall arrange payment to workers concerned within 45 days from receipt of a report from the Inspecting Officer except in cases where the contractor had made an appeal under regulation, 16 of these regulations. In cases where there is an appeal, payment of worker dues would be arranged by the Engineer in charge, wherever such payments arise, within 30 days from the date of receipt of the decision of the Regional Labour Commissioner (RLC).

15. WELFARE FUND:

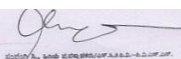
All moneys that are recovered by the Engineer-in-charge by way of workers due which could not be disbursed to workers within the time-limit prescribed above, due to reasons such as where about or workers not being known, death of a worker, etc., and also amounts recovered as penalty, shall be credited a fund to be kept under the custody or BHEL for such benefits and welfare of work man employed by the contractors.

16. APPEAL AGAINST DECISION OF INSPECTING OFFICER:

Any person aggrieved by a decision of the Inspecting Officer may appeal against such decision to the Regional Labour Commissioner concerned within 30 days from the date of decision, forwarding simultaneously a copy of his appeal to the Engineer-in-charge. The decision of the Regional Labour Commissioner Shall be final and binding upon the contractor and the work men.

17. REPRESENTATION OF PARTIES:

CONTRACTOR (SEAL & SIGNATURE)



संपांगी सी. बी. कान्गर/SC&PV/PVSE
SAMPANGI C. BK MANAGER/SC&PV/PVSE
BHEL-EOR, WISCHIE ROAD, BANGALORE - 560 028

- i) A workmen shall be entitled to be represented in any investigation or enquiry under these Regulations by an officer of a registered trade union of which the said trade union is affiliated or where the work man is not a member of any registered trade union, by an officer of a registered trade union, connected with, or any other workmen employed in, the industry in which the worker is employed.
- ii) A contractor shall be entitled to be represented in any investigation of enquiry under these Regulation by an officer of an association of contractors of which he is member or by an officer of a Federation of associations of contractors to which the said association is affiliated or where the contractor is not a member of any association of employers, connected with, or by any other employer engaged in the industry in which the contractor is engaged.
- iii) No party shall be entitled to be represented by a legal practitioner in any investigation or enquiry under these Regulations.

18. INSPECTION OF BOOKS AND OTHER DOCUMENTS:

The contractor shall allow Inspection of the registers and other documents prescribed under these regulations by inspecting officers and the Engineer-in-charge or his authorized representative at any time and by the worker or his agent on receipt of due notice at convenient time.

19. INTERPRETATION ETC:

On any question as to the application, interpretation or effect of these Regulations, the decision of the Chief Labour Commissioner or Deputy Chief Labour Commissioner (Central) shall be final and binding.

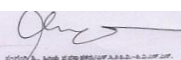
20. AMENDMENTS:

Central Government may, some time to time, add to or amend the Contractors Labour Regulations and issue such directions as it may consider necessary for the proper implementation of the Contractors Labour Regulations for the purpose of removing any difficulty which may arise in the administration thereof, based on which the BHEL Contractors Labour Regulation here in contained shall be subject to revision.

BHEL SAFETY CODE (See condition 20)

- i) Suitable scaffolds shall be provided for workmen for all work that cannot safely be done from the ground, or from solid construction except such short period work as can be done safely from ladders. When a ladder is used one extra mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying materials as well, suitable footholds and handholds shall be provided on the ladder and the ladder shall be given an inclination not steeper than $\frac{1}{4}$ to 1 (1/4 horizontal and 1 vertical).
- ii) Scaffolding or staging more than 3.25 meters above the ground or floor, swing or suspended from an overhead support or erected with stationery support, shall have a guard rail properly attached, bolted, braced and otherwise secured at least 1 meter high above the floor or platform of such scaffolding or staging and extending along with the entire length of the outside and ends thereof with only such openings as may be necessary for the delivery or materials, such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
- iii) Working platform, gangways and stairways shall be so constructed that they do not sag unduly or unequally, and if height of a platform or gangway or stairway is more than 3.25 meters above ground level it shall be closely boarded, have adequate width and be suitably fenced, as described in 2 above.
- iv) Every opening in floor of a building or in a working platform shall be provided with suitable means to prevent fall of persons or materials by providing suitable fencing or failing with a minimum height of 1 meter.

CONTRACTOR (SEAL & SIGNATURE)



SAMPANGI C. B. K. MANAGER/SC&PV/SSE
BHEL-EOR, WISCONSIE ROAD, BANGALORE - 560 028

- v) Safe means of access shall be provided to all working platform and other working places, every ladder shall be securely fixed. No portable single ladder shall be over 9 meters in length. Width between side rails in a rung ladder shall in no case be less than 30cm. For ladders up to and including 3 meters in length. Uniform step spacing shall not exceed 30 cm.

Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites shall be so stacked or placed as to cause danger or inconvenience to any person or the public. The contractor shall provide all necessary fencing and lights to protect public from accidents and shall be bound to bear expenses of defense of every suit action or other proceedings at law that may be brought by any person for injury sustaining owing to every suit action or other proceedings at law that may be brought by any person for injury sustaining owing to neglect of the above precautions, and pay any damages and costs which may be awarded in any such suit, action or proceedings to any such person or which may with the consent of the contractor be paid to compromise any claim by any such person.

6. EXCAVATION AND TRENCHING:

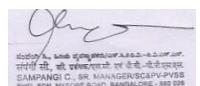
All trenches, 1.5 meters or more in depth, shall at all times be supplied with at least one ladder for each 30 m length or fraction thereof. Ladder shall to be extended from bottom of trench to at least, 1 meter above surface of the ground. Sides of a trench 1.5 meters or more in depth shall be stepped back to give suitable slope, or securely held by timber bracing, so as to avoid the danger of sides collapsing. Excavated materials shall not be placed within 1.5 meters of the edge of trench or half the depth of trench, whichever is more. Cutting shall be done from top to bottom. Under no circumstances shall undermining or undercutting be done.

7. DEMOLITION:

Before any demolition work is commenced and also during the process of the work.

- a) All roads and open areas adjacent to the work site shall either be enclosed or suitably protected;
- b) No electric cable or apparatus which is liable to be source of danger over a cable or apparatus used by operator shall remain electrically charged.
- c) All present steps shall be taken to prevent danger to persons employed, from risk or fire or explosion or No floor, roof or other part of a building shall be so overloaded with debris or materials as to render it unsafe.
8. All necessary personal safety equipment as considered adequate by the Engineer-in-charge shall be available for use of persons employed on the site and maintained in a condition suitable for immediate use and the contractor shall take adequate steps to ensure proper use of equipment by those concerned.
- a) Workers employed on mixing asphaltic materials cement and lime mortars/concrete shall be provided with protective footwear and protective goggles.
- b) Those engaged in handling any materials which is injurious to the eye shall be provided with protective goggles.
- c) Those engaged in welding works shall be provided with welder's protective eye shields.
- d) Store breaker shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
- e) When workers are employed in sewer and manholes which are in use, the contractor shall ensure that manholes covers are opened and manholes are ventilated at least for an hour before workers are allowed to get in to them. Manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to public.
- f) The contractor shall not employ men below the age of 18 and women on the work of painting with products containing lead in any form. Wherever men above the age of 18 or employed on the work of lead painting the following precautions shall be taken.
- i) No paint containing lead or lead products shall be used except in the form of paste or readymade paint.

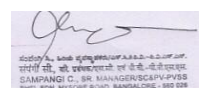
CONTRACTOR (SEAL & SIGNATURE)



SAMPANGI C. B. MANAGER/SC&PV/VSSE
BHEL-EON, WISCONSIE ROAD, BANGALORE - 560 028

- ii) Suitable face masks shall be supplied by the contractor for use by workers when paint is applied in the form of spray or a surface having lead paint is dry rubbed and scrapped.
 - iii) Overalls shall be supplied by the Contractor to workmen and adequate facilities shall be provided to enable working painters to wash during and cessation of work.
9. When work is done near any where there is risk of drowning, all necessary equipment shall be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision made for prompt first aid treatment of all injuries likely to be sustained during the course of the work.
10. Use of hoisting machine and tackles including their attachments, encourage and supports shall conform to the following:
- a) i) These shall be of good mechanical construction, sound material an adequate strength and free from defects and adequate strength, and free from defects.
 - ii) Every rope used in hoisting or lowering materials or as a means of suspension shall be durable quality and adequate strength, and free from defects.
 - b) Every crane driver or hoisting appliance operator shall be properly qualified and no person under the age of 21 years shall be in-charge of any hoisting machine including any scaffolding winch or give signals to operator.
 - c) In case of every hoisting machine and of every chain, ring, hook, shackle, swivel and pulley block used in hoisting, or lowering or as means of suspension safe working load shall be ascertained by adequate means. Every hoisting machine and all gear referred to above shall have the safe working load plainly marked thereon. In case of a hoisting machine having a variable safe working load, each safe working load, and the conditions under which it is applicable shall be clearly indicated. No part of any machine or any gear referred to above in this paragraph shall be loaded beyond the safe working load except for the purpose of testing.
 - d) In case of departmental machine, safe working load shall be notified by the Engineer-in-charge. As regards contractors machines the contractor shall notify safe working load of each machine to the Engineer-in-charge wherever he brings it to site of work and get it verified by the Engineer-in-charge.
11. Motors gearing, transmission, electric wiring and other dangerous parts of hoisting appliances shall be provided with efficient safeguards, hoisting appliances shall be provided with such means as will reduce to the minimum risk of accidental descent of load. Adequate precautions shall be taken to reduce to the minimum risk of any part of a suspended load becoming accidentally displaced. When workers are employed on electrical installations which are already energised, insulating mats, working apparel such as gloves, sleeves, and boots, as may be necessary shall be provided. Workers shall not wear any rings; watches carry keys or other materials which are good conductors of electrically.
12. All scaffolding, ladders and other safety devices mentioned or described herein shall be maintained in a safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities shall be provided at or near the places of work.
13. These safety provisions shall be brought to the notice of all concerned by display on a notice board at a prominent place at the work spot. Persons responsible for ensuring compliance with the safety code shall be named there on by the contractor.
14. To ensure effective enforcement of the rules and regulations relating to safety precautions, arrangements made by the contractor shall be open to inspection by the Engineer-in-charge or his representative and the inspection officers as defined in the contractor's Labour Regulations.
15. Notwithstanding the above conditions 1 to 14, the Contractor is not exempted from the operation of any other Act or Rule in force.

CONTRACTOR (SEAL & SIGNATURE)



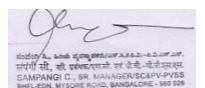
SAMPANGI C. B. MANAGER/SC&P/PVSS
BHEL-EOR, WISQHE ROAD, BANGALORE - 560 029

**FORM OF REGISTER OF WORKMEN
(Regulation 7)**

- (i) Name and address of the contractor:.....
- (ii) Number and date of the contract agreement/work order:.....
- (iii) Name and address of the department awarding the contract:.....
- (iv) Nature of the contract and location of the work:.....
- (v) Duration of the contract:.....

| Sl. No. | Name and Surname the workers. | Age & Sex | Father/Husband's | Nature of employment & designation | Permanent home address of employee (Village, Dist., Thana) | Present address | Date of commence of employment | Date of termination or leaving of employment | Signature or Thumb impression of the employee | Remarks |
|---------|----------------------------------|-----------|------------------|--|---|-----------------|-----------------------------------|--|---|---------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | | | | | | | | | |

CONTRACTOR (SEAL & SIGNATURE)

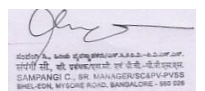


SAMPANGI C. BK MANAGER/SC&PV/PSB
BHEL-EOR, WISQHE ROAD, BANGALORE-560 028

| Sl. No. | Name and address of Employer (specify whether a contractor or a sub-contractor). | Particulars of location of work site and description of work done | Total period for which the worker is employed (From : To:) | Actual Number of days worked | Leave taken (No. of days should be specified) | Nature of work done by the worker | Wage rate with particulars of office of unit in case piece | Total wages earned by the worker during the period shown under Col.5 | Remarks | Signature of the employer |
|---------|--|---|---|------------------------------|--|-----------------------------------|--|--|---------|---------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | | | | | | | | | |

N.B: For the worker employed at one time one piece-work basis and at another on daily wages, relevant entries in respect of each type of employment should be made separately.

CONTRACTOR (SEAL &SIGNATURE)



SAMPANGI C. BK MANAGER/SC&PV/PSB
BHEL-EOR, WISQHE ROAD, BANGALORE - 560 028



**FORM OF WAGE SLIP
(REGULATION 9)**

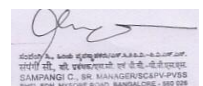
- (i) Name of the contractor.....
- (ii) Place.....

- 1. Name of the workers with father's/husband's Name :
- 2. Nature of employment :
- 3. Wage period :
- 4. Rate of wages payable :
- 5. Total attendance/unit of Work done :
- 6. Dates on which overtime worked. :
- 7. Overtime wages. :
- 8. Gross Wages, payable :
- 9. Total deductions (indicating nature of deduction).
- 10. Net Wages Payable :

CONTRACTOR'S SIGNATURE/
THUMB IMPRESSION.

EMPLOYEES SIGNATURE/
THUMB IMPRESSION.

CONTRACTOR (SEAL &SIGNATURE)

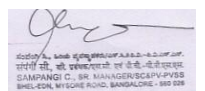


**FORM OF REGISTER OF WAGES-CUM-MUSTER ROLL
(Regulation 9)**

- (vi) Name and address of the contractor:.....
- (vii) No. & Date of the contract agreement/work order:.....
- (viii) Name and address of the dept. awarding the contract:.....
- (ix) Nature of the contract and location of the work:.....
- (x) Duration of the contract:.....
- (xi) Wage period:.....

| | | | | | | | Fair wages payable. | | Wages paid. | | Overtime worked. | | | Deduction from wages. | | | | | | | | | |
|---------------|--------------------------------|-------------------------|-----|-----------------------------|---|-------------------------|---------------------|--------------------------|-------------|---------------------------|------------------|---------------|-------------------------|-----------------------|------|------------------------------|-------------|----------------------|------------------|--------------------|-----------------|--|----------|
| Serial Number | No. and Surname of the worker. | Father's/husband's Name | Sex | Designation nature of work. | Daily attendance (No. of units worked). | Total attendance units. | Basic | D.A and other allowances | Basic | D.A. and other allowances | Date | No. of hours. | Over time wages earned. | Total wages paid | Fine | Deduction for damage or loss | House rent. | Revenue of advances. | Other deductions | Net wages payable. | Date of payment | Signature or thumb impression of the worker. | Remarks. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| | | | | | | | | | | | | | | | | | | | | | | | |

CONTRACTOR (SEAL & SIGNATURE)

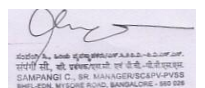


SAMPANGI C. BK MANAGER/SC&P/PSSE
BHEL-EOR, WISQHE ROAD, BANGALORE - 560 008

**FORM OF REGISTER OF
DEDUCTIONS FOR DAMAGE OR LOSS CAUSED TO THE BHEL BY
THE NEGLIGENCE OR DEFAULT OF THE EMPLOYED PERSONS.
(Regulation No. 10 (vii).**

| Sl.No. | Name | Father's/ Husband's Name. | Sex | Dept. | Damage or loss caused with date | Whether worker showed cause against deduction if so, enter date. | Date and amount of deduction imposed. | Number of in statement if any | Date on which total amount realised | Remarks. |
|--------|------|---------------------------|-----|-------|---------------------------------|--|---------------------------------------|-------------------------------|-------------------------------------|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | | | | | | | | | |

CONTRACTOR (SEAL & SIGNATURE)

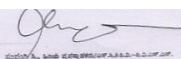


SAMPANGI C. BR MANAGER/SC&PV/PVSS
BHEL-EOR, WISQHE ROAD, BANGALORE - 560 028

FORM OF REGISTER OF FINES (REGULATIONS No. 10 (VII))

| Sl.No. | Name | Father's/ Husband's Name. | Sex. | Dept. | Nature and date of the offence for which fine imposed | Whether workman showed cause against fine or not, enter date. | Date of wages. | Date and amount of fine imposed. | Date on which fine released. | Remarks. |
|--------|------|---------------------------------|------|-------|--|---|----------------|-------------------------------------|---------------------------------|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | | | | | | | | | |

CONTRACTOR (SEAL & SIGNATURE)



સંપાંગી સી. બી.કે. સંચાલક
 સંચાલક, સી. સંચાલક
 SAMPANGI C. BK MANAGER/SC&PV/PS
 BHEL-EDR, WISQHE ROAD, BANGALORE - 560 028

PART-II (PRICE BID)

Construction of Roads, drains, pathways, Culverts and other associated Civil works for 10 MWp (AC) SPV power plant for BEL, at Ordnance factory premises in Badmal, Bolangir, Odisha.

| SL NO | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|-------|--|------|-----------------|----------|---------------------|
| 1 | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil | Cum | 6,500.00 | 92.00 | 5,98,000.00 |
| 2 | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead unto 50 m and lift unto 1.5 m, disposed earth to be levelled and neatly dressed. Ordinary rock | Cum | 1,500.00 | 148.00 | 2,22,000.00 |
| 3 | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead unto 50 m and lift unto 1.5 m, disposed earth to be levelled and neatly dressed. Hard rock (blasting prohibited) | Cum | 150.00 | 368.00 | 55,200.00 |
| 4 | Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm. depth, dressing to camber and consolidating with road roller to achieve 95% or more of standard proctor's MDD , including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead unto 50 metres. | Sqm | 7,700.00 | 49.00 | 3,77,300.00 |
| 5 | Filling (borrowed approved soil) 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 to achieve 95% or more of standard proctor's MDD and dressing up, in embankments for roads, flood banks, marginal banks, and guide banks etc., lead unto 50 m and lift unto 1.5 m (All kinds of soil) | Cum | 400.00 | 145.00 | 58,000.00 |
| 6 | Construction of granular sub-base by providing close graded/coarse 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. | Cum | 2,700.00 | 1,284.00 | 34,66,800.00 |
| 7 | Supplying and stacking at site.63 mm to 45 mm size stone aggregate | Cum | 1,500.00 | 816.00 | 12,24,000.00 |
| 8 | Supplying and stacking at site.53 mm to 22.4 mm size stone aggregate. | Cum | 750.00 | 820.00 | 6,15,000.00 |
| 9 | Supplying and stacking at site. Stone screening 13.2 mm nominal size (Type A) | Cum | 300.00 | 940.00 | 2,82,000.00 |
| 10 | Supplying and stacking at site. Stone screening 11.2 mm nominal size (Type B) | Cum | 160.00 | 889.00 | 1,42,240.00 |
| 11 | Supplying and stacking at site.Moorum (binding material) | Cum | 600.00 | 392.00 | 2,35,200.00 |
| 12 | Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density . | Cum | 3,500.00 | 256.00 | 8,96,000.00 |
| 13 | Providing and applying tack coat using hot straight run bitumen of grade VG - 10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications : On W.B.M. @ 0.75 Kg / sqm | Sqm | 1,000.00 | 32.00 | 32,000.00 |
| 14 | 2 cm premix carpet surfacing with 1.8 cum and 0.90 cum of stone chippings of 13.2 mm size and 11.2 mm size respectively per 100 sqm. and 52 kg. and 56 kg. of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc. complete: (tack coat to be paid for separately).With Refinery Modified Bitumen CRMB 55 conforming to IRC: SP: 53-1999. | Sqm | 2,000.00 | 104.00 | 2,08,000.00 |
| 15 | Providing and applying tack coat using hot straight run bitumen of grade VG - 10 including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications : On bituminous surface @ 0.50 Kg / sqm. | Sqm | 2,000.00 | 23.00 | 46,000.00 |

Construction of Roads, drains, pathways, Culverts and other associated Civil works for 10 MWp (AC) SPV power plant for BEL, at Ordnance factory premises in Badmal, Bolangir, Odisha.

| SL | DESCRIPTION OF WORK | UNIT | QTY | RATE | AMOUNT |
|--|--|-------|-----------------|----------|-----------------------|
| 16 | Providing and laying seal coat of premixed fine aggregate (passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen of grade VG - 10 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface including rolling and finishing with road roller all complete. | Sqm | 1,000.00 | 45.00 | 45,000.00 |
| 17 | Carriage and disposal of excavated earth/surplus earth as per site condition/requirement as per direction of Engineer-in -charge. including loading, unloading and stacking up to 5 KM | Cum | 4,500.00 | 93.00 | 4,18,500.00 |
| 18 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) Or Design mix as per instruction of Engineer-incharge | Cum | 450.00 | 3,315.00 | 14,91,750.00 |
| 19 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) | Cum | 300.00 | 2,932.00 | 8,79,600.00 |
| 20 | 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 20 mm nominal size) upto plinth level with Cement mortar 1:6 (1 cement : 6 coarse sand) | Cum | 1,000.00 | 2,376.00 | 23,76,000.00 |
| 21 | Dry stone pitching 22.5 cm thick including supply of stones and preparing surface complete. | Sqm | 3,000.00 | 256.00 | 7,68,000.00 |
| 22 | Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) Flush/ Ruled pointing | Sqm | 3,000.00 | 92.00 | 2,76,000.00 |
| 23 | 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. All works upto plinth level. | Cum | 75.00 | 3,822.00 | 2,86,650.00 |
| 24 | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars. | Kg | 5,500.00 | 41.00 | 2,25,500.00 |
| 25 | Centering and shuttering including strutting, propping etc. and removal of form for :Foundations, footings , bases of columns, cover slabs etc. for mass concrete | Sqm | 700.00 | 116.00 | 81,200.00 |
| 26 | Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer and Paint using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. | Kg | 250.00 | 52.00 | 13,000.00 |
| 27 | 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 | Meter | 30.00 | 303.00 | 9,090.00 |
| 28 | 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 : 600 mm dia. R.C.C. pipe | Meter | 30.00 | 832.00 | 24,960.00 |
| TOTAL AMOUNT (Exclusive of service tax/GST) (Rs.) | | | | | 1,53,52,990.00 |
| CONTRACTOR SHOULD QUOTE PERCENTAGE (%) ABOVE/BELOW (+/-) (OR) AT PAR TO TOTAL AMOUNT (A) | | | | | |
| QUOTED PERCENTAGE (%) IN WORDS ABOVE/BELOW (OR) AT PAR TO TOTAL AMOUNT (A) | | | | | |
| *** QUOTED PERCENTAGE (%) IS APPLICABLE ON ALL THE RATES OF ITEMS UNIFORMLY. | | | | | |