



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
BHARAT HEAVY ELECTRICALS LIMITED

RAMACHANDRAPURAM : HYDERABAD – 502 032

M & S DIVISION
10-REPAIR SHOP, AIR-CONDITIONING

Telephone No. 040 2318 2551/4182 FAX NO. 040 23186009 email id: gsdgupta@bhelhyd.co.in

TENDER NOTICE NO: M&S/AC/CONTRACTS/2014-15/1, DATE: 27.08.2014

Tender in two parts (Techno Commercial & Price Bid) will be received by the undersigned in sealed cover from the contractors satisfying the prequalification requirements. Cover should be legibly appeared "tender notice number & tender date, name of the work and due date of tender opening. Also indicate techno commercial bid or price bid on top of cover. Tenders will be opened after 13.30 hrs on the due date in the presence of tenderer's or their authorized representatives in BHEL, Ramachandrapuram, Hyderabad. Tender documents may be downloaded from BHEL website www.bhel.com.

1. Name of work : Supply of Man Power for shifting and cleaning of Storage Water Coolers and Aqua Guard Coolers in Canteens, Shop floors and annexure in BHEL, Ramachandrapuram.
2. Earnest Money Deposit : Rs.20,000/-
3. Contract Period : One Year
4. Estimated Cost : Rs. 5,76,940/-
5. Last date for Sale of tender document/ download : 03.09.2014
6. Last date for receipt of tenders : 03.09.2014 upto 11.00 Hrs.
7. Date and time of opening of tenders: 03.09.2014 after 14.00 Hrs
8. Cost of tender documents : Rs. 100/-

Name & Address:

(G.S.D.GUPTA)
DGM / M&S/AC

2.	PF CODE NO:	
3	ESI CODE NO:	
4	Service Tax Registration No.	
5	PAN No.:	
6	Security Deposit clause: acceptance (Details see Tender Notice (Page no.7)	
7	PENALTY: 0.5% of the item wise contract value per week or part thereof upto a maximum of 10% of that value shall be levied if the contract is not completed within the item wise specified time as to be intimated in advance.	
8.	Acceptance of payments through EFT mode	

NOTE:-

1. The above documents should be given along with the tender, otherwise, the offers will be rejected.
2. Techno commercial bids will be opened on the same day of due date. After scrutiny in case the agency has not fulfilled all the above conditions with documentary proof, the bid is liable to be rejected.
3. In case of a firm, the tender shall be in the name of the firm, and for individual these can be in the name of individual. In case of sole proprietorship of a firm he should submit a notarized affidavit to that effect. For partnership firms, the deed of partnership and power of attorney are to be submitted.
4. Though some of the above documents are available with BHEL for those agencies who are presently working with BHEL, they also should submit one copy of the same.
5. All the columns shall be filled with proper information.
6. a) BHEL will have the right to reject tender even after tenderer qualifies in techno commercial bid, in case the tenderer under quotes or does not meet the minimum daily wage payment of labour which changes from time to time.
b) BHEL reserves the right to reject or cancel the tender at any stage of the tender process without assigning any reasons thereof.
7. A tender may be rejected while scrutiny of technical bids in case there is Unsatisfactory past performance in the execution of an earlier contract.

Tender Notice No : M&S/AC/CONTRACTS/2014-15/1, DATE:27.08.2014

PRE QUALIFICATION:

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

1. Reputed contractors are eligible to tender for this work.
 2. Experience having successfully completed Maintenance of Water Coolers/Aqua Guards/ Air Conditioning units during last 7 years, ending 31.07.2014 should be either of the following.
 - a. Three similar completed works costing not less than the amount equal to 40%of the estimated cost.
 - OR
 - b. Two similar completed works costing not less than the amount equal to 50% of the estimated cost.
 - OR
 - c. One similar completed work costing not less than the amount equal to 80% of the Estimated cost.
 3. Average annual financial turnover *during the March of the previous financial year, should be at least 30% of the estimated cost .*
 4. ESI code no. with proof of allotment.
 5. P.F.Code no. with proof of allotment.
 6. PAN number with proof of allotment.
 7. Labour License if engaged 10 persons or above.
 8. If the contractor has not quoted the rate for any item(s), it is considered as incomplete tender and tender can not be accepted.
 9. The contractor shall affix his signature at the end of each page of these tender documents. (Technical and Price bids).
 10. BHEL shall have the right to reject any tender based on past unsatisfactory performance.
 11. The rates quoted for all the items of work shall be inclusive of all Taxes and Duties levied by State / Central Government organization as well as Local authorities as applicable including works contract Vat / Service Tax etc. The agency shall submit proper document evidencing the payment of applicable Tax / Duty based on which BHEL can avail credit. Other wise the payment to the contractor will be reduced to that extent.
- II.(1)** Tenders must be submitted in sealed covers addressed to DGM / M&S/AC, BHEL, Ramachandrapuram, Hyderabad 502 032. Tenderer shall write Tender Notice No, and name of work and address of the tenderer on each sealed cover. In case the agency fails to comply any of the above, the tender will be liable for rejection.
- (2) The agency is responsible for all the statutory requirements & documentations for ESI / PF etc as per prevailing Government Rules / Labour Rules. Any amount payable by BHEL on account of these requirements shall be recovered from contractor's bills / deposits.

III. NOTES:

1. Period of contract shall be as mentioned above.
2. **Tenders are on Two – part bid (techno commercial bid and price bid).**
3. Tender documents can be had through BHEL web-site <http://www.bhel.com/> tender notifications. Cost of document shall be paid in the shape of Demand Draft or Bankers Cheque or Pay Order and separately enclosed to the technical bid.
4. The requisitions for tender documents shall be addressed to **DGM/M&S/AC**, BHEL, Ramachandrapuram, Hyderabad 502 032 along with Demand Draft/Banker's Cheque drawn in favour of "BHARAT HEAVY ELECTRICALS LIMITED, HYDERABAD" or payment of cash in BHEL Cash Office (No other Mode of payment will be accepted). Tender documents shall be collected in Person by the contractor or his authorized representative.
5. The agencies are advised to visit the work site to understand the nature of work / quantum or work in its true perspective to avoid any misunderstanding.
6. The tender documents may also be submitted through speed post or by post to reach within the stipulated date and time.
7. Tender bid with out EMD / Tender cost as stipulated are liable for rejection.
8. BHEL reserves the right to reject any or all tenders in part or in full without assigning any reasons.
10. The conclusion of contract will be in the form prescribed by BHEL for the purpose. A copy of the general conditions of contract applicable to the above works is available for perusal at the office of the DGM / M&S (AC) If a copy of the same is required for record, the same will be issued separately at Rs.100/- per set.
11. Penalty of 0.5% of the gross value of work will be levied for every weeks delay in work subject to a maximum penalty of 10% of the gross value of work.
12. Those who are down-loading the tender documents from web-site must also pay cost of tender documents before last date of receipt. The DD's against Tender Cost / EMD are to be enclosed in technical bid cover.
13. Separate Covers (i.e.)
 - Cover-A - for Technical Bid (sealed cover)
 - Cover-B - for Price Bid (sealed cover)
 - Cover-C - common cover for technical and price bid are to be submitted, super scribing the name of work and NIT number on each over.
14. Tender will be finalized on lowest cost to BHEL based upon the lowest rate of total value. Thus arriving to total value of the tender along with applicable taxes and duties.
15. A tender may be rejected while scrutiny of technical bids in case there is unsatisfactory past performance in the execution of an earlier contract.
16. The rates quoted by the contractor shall indicate clearly yearly rate and taxes separately as applicable from time to time.
17. All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirements, issued by IR section of personnel department.



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BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM:: HYDERABAD – 502 032

M & S, SG DIVISION
10-REPAIR SHOP, AIR-CONDITIONING

TENDER NOTICE

Tender Notice No : M&S/AC/CONTRACTS/2014-15/1, DATE: 27.08.2014

1. Sealed Tenders should be submitted at vendor complex office , Bharat Heavy Electricals Limited, Ramachandrapuram, Hyderabad-32, A.P up to 11.00 hours on **03.09.2014** for the above work ”.
2. Tenders (Technical & price bid) will be opened, Bharat Heavy Electricals Limited, Ramachandrapuram, Hyderabad-32. On the same day at 13.30 hours in Vendor Complex, near Administrative building gate. The tenderers or their agents are expected to be present at the time of opening of the tenders. The tender receiving officer will, on opening such tender, attest over writings or corrections, if any, therein in the presence of the tenderer's who may be present at the time. Tender forms and other particulars regarding the proposed work can be obtained on any working day from 08.30 to 15.00 hours or can be downloaded from BHEL Web Site.
3. Tenders must be submitted in sealed covers and should be addressed to the DGM/M&S/AC, Bharat Heavy Electricals Limited, Ramachandrapuram, Hyderabad – 32, the name of the tenderer and the name of the work being displayed on the cover.
4. Tenderers shall pursue carefully the instructions laid in General Conditions of the contract and all other relevant documents before tendering for the work. The approximate quantity of work to be executed under each class is given in Schedule – “Price bid”. The quantities are given with a view to enable the tenderer to quote his over all rate to each clause of work in the tender form and for a uniform comparison of tenders. It shall be definitely understood that the Bharat Heavy Electricals Limited, does not accept any responsibility for correctness or completeness by commissions, deductions or additions at the discretion of accepting authority.
4. BHEL reserves the right to reject any tender or part thereof or all the tenders with out assigning any reasons thereof.
5. Tenders not submitted in proper form or in due time will be rejected.
6. The offer shall be valid for a period of **90 days** from the date of opening of the tender.

7. a. **Security deposit:** (W.P.8.2) Security Deposit should be collected from the successful tenderer. The rate of Security Deposit will be as below:

Upto Rs. 10 lakhs : 10%

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

Above Rs. 50 lakhs: Rs 4 lakhs + 5% of the amount exceeding Rs. 50 lakhs.

The security Deposit should be collected before start of the work by the contractor.

- b. **Security Deposit may be furnished in any one of the following forms**(W.P.8.2.2)

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

TENDERER'S AND CONTRACTOR'S CERTIFICATE

1. I hereby declare that I have perused in detail and examined closely the Andhra Pradesh Standard Specifications and its addenda volume and also BHEL General Conditions of contract. I agree to be bound by and comply with all specifications contained in Andhra Pradesh Standard Specification and General Conditions of contract, for the various items of works specified in the Schedule "A" and the work as a whole.
2. I hereby declare that I shall pay the statutory minimum wages to my workers as applicable from time to time. I shall also adhere to all the statutory obligations under Contract Labour (Regulation and Abolition) Act 1971 and Rules framed there under with subsequent revisions if any.
3. **Guidelines for statutory payments when labour engaged :**
 - i) PF & ESI at the rate of 12% and 1.75% respectively on the daily wages are to be deducted as Employee's contribution. Further, Contractor shall pay 12% PF and 1.61% Administrative charges towards PF and 4.75% towards ESI as Employer's contributions. The contractor shall remit the above contributions along with Employee's contribution to PF & ESI departments and file monthly returns by 20th of every following month.
 - ii) The contract labour is entitled for holiday wages, and 1 day leave of every 20 days of working.
 - iii) Contractor shall provide uniform, shoes and other Personal Protective Equipments wherever applicable to their workforce.
 - iv) Any increase in rate of DA/ Wages hike shall not be reimbursed by BHEL to the contractor. Contractor shall anticipate such hike and quote accordingly.
 - v) Payment of Bonus under the payment of Bonus Act, 1965.
4. The Contract / Job Executing Officers are required to ensure that Contractor pays the 'Daily Wages' as shown above to their workforce. In case, the workforce is engaged on over time by the contractor, they have to be paid double the wages. The workforce is also entitled for Holidays which are applicable to BHEL.
5. Any revision in Daily Wages Rate made by BHEL based on GO Notification will be reimbursed/ adjusted as per clause 4.13 of Notice Inviting Tender (NIT) based on actual payment made to contract labour and service charges as indicated in Part IV 11a. Will not be applicable on such additional amount.

I. General Instructions/ Obligations of the Contractors :

1. If the tender is made by an individual, it shall be signed with his full name and his address shall be furnished. If it is made by firm, it shall be signed with the co-partnership name by a member of the firm, who shall also sign his own name, also furnish the name and address of each member of the firm. If the tender is made by a corporation, it shall be signed by a duly authorized Officer who shall produce with the tender, satisfactory evidence of his authorization. Such tendering corporation/firm is required to furnish evidence of its existence along with bid.
2. Whenever a tender is to be accepted, the tenderer, whose tender is under consideration, shall attend the Office of " Officer Inviting the Tender " on the date fixed by written intimation to him. He shall forthwith, upon intimation being given to him by the "Officer Inviting the Tender "for acceptance of his tender, complete the execution of the agreement by signing all documents connected therewith. Failure to do so and not to commence the work within one month from the date of intimation shall entail forfeiture of the earnest money.
3. Tenderer shall pursue carefully the instructions and directions to the parties given in the tender document and the conditions there of and all other relevant documents before quoting the rates for the work. The approximate quantity of work to be executed under each class is given in the schedule. The quantities are given with a view to enable tenderer to quote his overall rate in the tender form. It shall be definitely understood that the schedule is liable to alterations at the discretion of accepting authority.
4. Tenderer shall keep the offer valid for a period of 90 days from the date of opening of tender. After submitting the tender, he will not recall his offer or modify the terms and conditions thereof. Should the tenderer fail to observe or comply with the foregoing stipulations, the EMD shall be forfeited.
5. Tenderer have to quote their rates in the tender schedule legibly written in figures and words and those not submitted in proper form are liable for rejection.
6. The submission of tender shall be strictly in accordance with the terms and conditions stipulated in this tender notice. No counter conditions will be acceptable or valid.
7. Contractor shall be deemed to have included in his tender price of all the plant, machinery and appliances required for the purpose of all operations connected with the work embraced under the contract to secure a satisfactory quality of work and rate of progress which in the opinion of the " Contract Signing Officer" will ensure the completion of the work within the time specified.
8. BHEL is having every right to split the schedule and to award the work to single or many parties on the lowest offered rates basis.
9. This is a time bound contract for period mentioned, and does not envisage any extension of time / period.
10. The rates quoted by the contractor should be firm for the contract period. There shall be no revision in contract rates during the period of the contract. Any increase of statutory levies during the period of the contract will be reimbursed on production of relevant proof of incurring expenditure for the same.
11. BHEL reserves the right to negotiate for price reduction with L1 party and negotiated price will be considered as contract amount for all practical purposes.
12. BHEL reserves the right to terminate the contract at any stage without assigning any reason.
13. Tender should be submitted in sealed cover addressed to the Engineer/ M&S(AC) and duly super scribed with the tender number, tender date, name of the work and due date of tender opening on the envelope. The tenders will be opened on tender due date at 13.30 Hrs in presence of those tenders who choose to be present at TENDER opening in Vendor Complex , BHEL, Ramachandrapuram, Hyderabad.
14. The contractor must have phone facility at his office/ residence or cellular phone for proper communication.
15. On receipt of the job work order, party has to follow certain things regarding labour payments like a) payment to contract labour as per the minimum wages act 1971 (latest) by 7th during that paid

Shifting and Cleaning of Water Coolers T.N.No : M&S/AC/CONTRACTS/2014-15/1 Dt:27.08.2014 month. B) PF compliance: as per Section 36B of Employee provident fund schemes 1952, by 7th of every month are to submit a wage register for the previous month duly signed by the contract executing officer by showing workers engaged, no of days worked, basic wage and Dearness allowance proportionate to days worked, PF & ESI amount deducted from each worker, Contract executing officer signature. By 15th of every month contributions made through bank challan, if delayed the contractor has to pay penalty of 17% of PF amount and 12% simple interest on the PF Amount for the delayed days. If not fulfill by contractor permission will not be renewed.

16. Contractor is wholly responsible for injuries/ death of the person employed by him arising due to accident during the contractual period. At any point of time BHEL will not be responsible for any loss/ damage to the person arising out of accident for performing the contractual obligations.

17. Withdrawal from contract during contract period in BHEL will entail forfeiture of security deposit.

18. Soon after acceptance of tender the contractor shall enter into a contract with BHEL, Ramachandrapuram, and Hyderabad.

19. The contract agreement shall be entered with BHEL, Ramachandrapuram, Hyderabad on valid non judicial stamp paper of the value of Rs100/- to be purchased by the contractor at his own cost.

20. Labour engaged by the contractor should be disciplined & exhibit good behavior in dealing with employees of BHEL. Any misbehavior or conduct of any Person engaged by the contractor is not good, contractor shall change that person immediately or else it may even lead to termination of the contract & security deposit will be forfeited as penalty.

21. Any dispute arising out of this contract should be referred to the sole arbitration of General Manager/ M&S of BHEL, Ramachandrapuram, Hyderabad-502 032 or his authorized representative whose decision shall be final and binding on both the parties.

22. In case of any suit or other legal proceeding arising out of and relating to the contract to be entered into the courts at Hyderabad/ Secundrabad and Sangareddy (Medak Dist.) A.P only shall have the jurisdiction.

23. The contractor should abide by the company's CISF Security/ safety rules and provide such safety requirements as per statutory rules and requirements of the factories act.

24. In case of breach of any of the terms and conditions of the contractor, BHEL reserves the right to cancel the contract either in part or full.

25. The contractor has to produce the bank guarantee, in the prescribed proforma valid for the contract period for a value calculated at the rates mentioned, towards security deposit. The claim period under the guarantee shall be valid for six months after expiry of the contract.

26. In the agreement no mention shall be made regarding the number or the sex of the laborers to be employed by the contractor. The agreement shall not contain provision to hire labour like number of men, category of men, and number of maydays from the contractor for any type of work. All types of job work agreements shall be based on clearly quantified volume of work only.

27. The Executing Officer shall ensure the execution of work on quantifiable basis taking into account rather than availability of labour.

28. Disputes, grievances between the contractor and his labour, will have to be settled by the contractor only.

29. The labour employed by the contractor, if found in abetting any of fellow labour or contractors or any BHEL employee, the same shall be considered as an act of indiscipline. Such labourers shall be removed from the services of the contractor, on the advice of BHEL. Further the contractor shall initiate every necessary action in accordance with the relevant Laws, Rules & Regulations and enactments of state and Central Governments.

30. Safety: The Contractor shall provide the required safety protective personnel equipment like uniform to the contract labourers engaged by him. All sorts of safety measures to be taken shall be deemed to form an integral part of the agreement and non-compliance with safety requirement amounts to breach of the contract.

MEASUREMENT OF WORK AND PAYMENT THEREOF

1. Measurement Book should be maintained by the contractor in the BHEL. The Contractor wherein he or his authorized representative will submit bill with attendance details, based on quantities completed by the contractor entries will be made in the measurement book
2. The designated employee of the Unit will inspect the work executed by the contractor and authenticate the entries made in the measurement book.
3. Short comings, if any, in the work executed will be pointed out by the designated employee to the Contractor or his authorized representative and the same will be rectified by him (other than watering) within three days to the satisfaction of the designated employee.
4. Payment towards work satisfactorily executed will be made to the Contractor.

Measurement of work will be as per Annexure-II (work schedule/ price schedule for the work of "Cleaning and Shifting of Water Coolers and Aqua Guards").

FULL DETAILS WILL BE AS PER ANNEXURE-II (PRICE SCHEDULE)

ANNEXURE-C

CONTRACTOR'S OBLIGATIONS

I) CONTRACTUAL

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

STATUTORY :-TOWARDS STATUTORY LIABILITY

- a) All statutory requirements under Minimum Wages Act, 1948, Payment of Wages Act, 1936, Workmen Compensation Act. 1923, EPF & MP Act, 1952, Payment of Gratuity Act, 1972. ESI Act, 1948. The Contract Labour (R&A) Act, 1970, Payment of Bonus Act, 1965, Income Tax Act, Service Tax Act and all other applicable Acts shall be complied with by the contractor.
- b) Contractor shall comply with all statutory requirements, rules, regulations, notifications in relation to employment of his employees issued from time by the concerned authorities.
- c) Contractor shall ensure payment of statutory prescribed minimum wages as applicable from time to time in the presence of authorized representative of BHEL and maintain proper records of their timely disbursement. These records need to be preserved for a period of at least 3 years and should be made available even after the contract is over for any verification by the statutory authorities / BHEL authorities.
- d) Contractor to provide PF pass book to his employees and ensure payment of PF, EDLI, pension dues under EPF & MP Act, 1952 to the PRFC.
- e) Contractor shall ensure payment of ESI contribution under ESI Act, 1948 and provide ESI membership No. / card of each employee.
- f) Contractor shall produce proof of deductions as well as remittances of PF, EDLI, Pension, ESI contribution, administrative charges etc. wherever applicable and shall maintain proper records. Contractor to issue wage slips to his employees.
- g) Contractor shall furnish proper returns to the concerned statutory authorities and provide a copy of the same to BHEL.
- h) Contractor shall be solely responsible for non payment / delayed payment of wages / DA, contributions under EPF & MP Act, ESI Act etc.
- i) In case the contractor fails to make payment of wages to his employees or remittance of contribution to the concerned authorities, the security deposit / other dues / running bills under the contract can be utilized by BHEL to discharge the liability of the contractor.
- j) Contractor shall indemnify BHEL against all claims and losses under various Labour Laws, statutes or any civil or criminal law in connection with employees deployed by him.
- k) The liability for any compensation on account of injury sustained by an employee of the contractor will be exclusively that of the contractor.
- l) Contractor to obtain insurance cover for his employees / equipment / tools and tackles etc. and take third party risk insurance coverage at his own cost. BHEL shall not be responsible for any loss, damage, and pilferage of property and / or his employees.
- m) Contractor should have independent code numbers / exemptions under EPF & MP Act, 1952 and ESI Act, 1948 and shall cover his employees under the said codes.
- n) Payment of bonus under the payment of Bonus Act, Payment of gratuity under the Gratuity Act, and retrenchment compensation under Act will be the sole responsibility of the contractor.
- o) Over and above the daily wage rate, payment shall be made for leave with wages.
- p) Contractor shall observe Provisions of the Factories Act in respect of working hours, holidays, rest intervals, leave and overtime to his employee. No work shall be done on second/third shift, overtime, Sundays or on other declared holidays without written permission.
- q) In case a contractor employs women as employee he will discharge his obligation under law in respect of such women workers such prohibition of engaging them during night-hours, prohibition of employing them for more than 9 hours per day, provision of crèche facility, grant of maternity leave as per rules etc.
- r) Contractor shall be responsible for making payment of wages before expiry of 7days from the last day of wage period and to ensure disbursement of wages in the presence of the authority's representative of contract operating division who shall record under his signature at the end of entries in the Register of wages.
- s) Contractor to obtain license under CL(R&A) Act, 1970.

Scope of work- Cleaning of Water Purifier cum Chillers (WPC)

Description of work:

1) Draining out water in tank: Switch off power supply to unit. Open the lock of unit and drain out water from water tank, through drain hole located on backside of unit.

(a) Front side of W.P.C (b) Back side of W.P.C

2) Open front and back cover by removing screws located in Aqua Guard.

3) Basically WPC consists of these following main parts:

a) Pre filter, b) carbon filter, c) baby filter, d) UV chamber and, e) solenoid valves.

3.1) Cleaning of Pre filter: Open the cap by rotating in Counter clock wise direction. Take out Pre-filter and clean inside with brush and water and clean with water pre-filter in every 15 days. Ensure no dust is present inside and outside. Refer section "Checking and replacement of Aqua guard parts" for replacement of pre-filter.

Pre Filter (container and pre filter)

3.2) carbon granules: Open the cap by rotating in Counter clock wise direction. Take out carbon granules and clean inside with brush and water and clean with water carbon granules in every 15 days. Ensure no dust is present. Refer section "Checking and replacement of Aqua guard parts" for replacement of carbon.

3.3) baby filter: clean with water n clothes. Ensure no dust is present. Refer section "Checking and replacement of Aqua guard parts" for replacement of baby filter.

3.4) UV chamber: Remove the U.V.rubber and clean with clothes. And use emery papers if scale formation is there. Ensure no dust is present. Refer section "Checking and replacement of Aqua guard parts" for replacement of UV chamber.

3.5) solenoids valves: clean with clothes. Ensure circuits are presented properly. Refer section "Checking and replacement of Aqua guard parts" for replacement of solenoid valves.

4) Cleaning of water tank: clean the tank with water jet. Ensure no dirt is present at bottom and side of tank.

5) Cleaning Outside: First use soap water to clean side panels. Then clean with bore water. Finally clean with damp cloth. Ensure side panels are clean and neat and no soap water residue is left on outer panels.

6) Checking proper working of AQUA GUARD: Switch ON the AQUA GUARD. There two buttons. One is for cold water and one is for normal water which shown in figures. There are 3 indicating the lights.

1. COOLER ON: checking the ORANGE indicator will glow for 2-3 seconds.

2. WAIT: checking the RED indicator will glow for 2-5 seconds.

3. PROCESS: checking the YELLOW indicator will glow for 10-15 seconds, indicating processing is ON.

4. READY: checking the GREEN indicator will glow after 50-60 seconds; this indicates that the unit is ready for cold/normal safe drinking. Shown in below figures.

7) Cleaning conformation: Need to take signature with stamp on the report, from the user in respective dept.

8) Tagging: put the signature and date on the tag attached to unit.

9) Frequency of cleaning: carry out above procedure of cleaning once in 15 days.

Checking and replacing of AQUA GUARD parts:

1. Pre filter:

Checking and replacement of this filter is depends on type of water usage

Ex: 1. for manjeera water: it is around 1500 to 2000Ltrs.

2. for normal water: it is around 500Ltrs.

And the water depends up on ground scale/filter chock.

2. Carbon:

Checking and replacement of this filter is depends on carbon mesh blocked then water flow rate is less and also checking Replacement of this carbon is depends on smell and taste of water usage. We replace the carbon in every 3 to 6 months. We use carbon 400grams.

3. Baby filter: checking and replacement of baby filter in every 1 month when it chocks.

4. U.V.Lamp chamber:

Checking and replacement of U.V.Lamp/Glass/tube when broken/faults while General services period. When sensors detects the scale formation cleaning will done. And it will show signal

when it is detects. Whenever the complaint receives the items will be Checking and replaced immediately.

These are consists of 3 types:

1. U.V.Lamp: Checking and replacement of U.V.Lamp.
2. U.V.Glass tube: Checking and replacement of U.V.glass tube.
3. U.V.Glass rubber seal: Checking and replacement of U.V.glass rubber seal.

5. Compressor:

Checking and Replacement of this compressor is depends up on burned/no pumping/less cooling.

6. Evaporative cooling tank:

Checking and Replacement of evaporative cooling tank is depends up on any leaks/puncher/broke. And ensure water getting cooled.

7. Condenser:

Checking and Replacement of condenser is depends up on fan motors fault.

8. Solenoids:

Checking and Replacement of solenoid is depends up on electrical circuits.

They are,

1. For normal water.
2. For cooling water.

9. Thermo state: checking the range between 1 and 3. Ensure not more than 3.

Scope of work – Cleaning of Storage type water cooler:-

Description of Work:

- 1) **Draining out water in tank** –Switch off Power supply to unit. Open the lock of unit and drain out water from water tank through drain hole located on backside of unit. (see below picture). Open dummy and put a pipe to drain water away from unit.
 - 2) **Cleaning Inside** (Cleaning of Tank) – With clean cloth, remove any sediment which is deposited at the bottom of tank. After removal of sediment, clean tank with water jet. Ensure no visual sediment/dirt is present at bottom and sides of tank.
 - 3) If any sediment is noticed, repeat procedure mentioned at step no 2).
- Caution:** Do not use metallic brush, sharp metal edge, ..etc while cleaning inside of tank.
- 4) **Cleaning Outside** (Wiping) – First use soap water to clean side panels (outer). Then clean with normal water. Finally clean with damp cloth. Ensure side panels are clean and neat and no soap water residue is left on outer panels.
 - 5) **Float Mechanism** - Ensure float ball is working properly. (Press float ball – water will come. Float ball horizontal position – water will stop)
 - 6) **Lock Nut** - Ensure that lock nut provided on the float level be fixed firmly.
 - 7) **Safety** - Lock the unit / tank for safety. Switch ON the Water cooler and make sure it is working.
 - 8) **Cleaning Confirmation** - Need to take signature with stamp on the report, from the user in respective dept.
 - 9) **Tagging** – Put the signature and date on the tag (indicating cleaning) attached to unit. Sample tag is shown in annexe-1
 - 10) **Frequency of cleaning** – Carry out above procedure of cleaning once in 15 days.

Special Conditions:

1. One SSW and two USW must be available at any point of time at BHEL premises in 1st shift. (SSW Person should have work experience of minimum 2 years in relevant field, and USW Person should have work experience of minimum 1 year in relevant field and having good medical background with fitness).
2. Necessary tools and measuring instruments, consumables (soap water, ..etc) to upkeep all the water coolers,WPC is under the scope of Contractor.
3. Satisfactory working of each repaired unit shall be certified by the user and to be checked by AC section in-charge.
4. OHSAS 18001 shall be complied with.