



कर्मचारी राज्य बीमा मॉडल अस्पताल Employees' State Insurance Model Hospital

(श्रम एवं रोजगार मंत्रालय, भारत सरकार)

(Ministry of Labour & Employment, Govt. of India)

लेन नं०-2, सिडको इंडस्ट्रीयल कम्प्लेक्स / Lane No. - 2, SIDCO Industrial Complex

बारी ब्राहमणा, जम्मू (जे. एण्ड के.) / Bari Brahmana, Jammu (J & K)

(आई०एस०ओ० 9001 : 2008 प्रमाणित) / (ISO 9001:2008 Certified)

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Dated: 10/02/2014

Annexure – 'A'

Notice Inviting ARM Tender

On behalf of Employees State Insurance Corporation, Medical Superintendent, ESIC Model Hospital, Bari Brahmana, Jammu, invites sealed tenders under two bid system from registered experienced and eligible contractors/firms for repair and maintenance of Civil and Electrical works/services of ESIC Model Hospital and its residential colony at Bari Brahmana, Jammu for one year (2014-15) —

| Sr. No. | Name of the work | Estimated Cost | Earnest Money | Cost of Tender Document |
|---------|---|----------------|---------------|-------------------------|
| 1 | Annual Repair and Maintenance of Civil and Electrical works/services of ESIC Model Hospital and its residential colony at Bari Brahmana, Jammu, J&K | Rs 19.45 Lac | Rs 62,500/- | Rs. 250/- |

Tender form giving all the details will be available between 10.00 AM to 3.30 PM on any working day (Monday to Friday) and 10.00 AM to 12.30 PM on Saturday from hospital office upto 10/03/2014 on payment of a non refundable cost of Rs. 250/- in the form of Demand Draft/Banker's Cheque of any nationalized bank drawn in favour of ESI Fund A/c No. 1 Payable at SBI, Bari Brahmana, Jammu. The tender documents can also be downloaded from the website: www.esicmhbb.org or www.esic.nic.in. The tenderers shall have to submit demand draft, along with the tender form, as mentioned above the tender cost for each tender form downloaded from the website.

Sealed tenders complete in all respects should be addressed to "The Medical Superintendent, ESIC Model Hospital, Bari Brahmana, Jammu" and dropped in tender box placed in the administrative block of the hospital latest by 1.00 PM on 11/03/2014. Tenders will be opened on same day at 2.30 PM in the presence of such bidders or their authorized representatives who may wish to be present at ESIC Model Hospital, Bari Brahmana, Jammu. In case 11/03/2014 is declared a public holiday, tenders shall be received and opened as per above schedule on next working day. The Medical Superintendent reserves the right to reject any or all the tender(s) without assigning any reason(s) thereof.

Sd/-
Medical Superintendent



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(श्रम एवं रोजगार मंत्रालय, भारत सरकार)

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(आई०एस०ओ० ९००१ : २००८ प्रमाणित) / (ISO 9001:2008 Certified)

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No.:192-W/17/13/1/2014-PMD

Dated: 10/02/2014

To

M/s _____

Subject :- Two bid tender for Annual repair & Maintenance of Civil and Electrical works/services costing to Rs 19.45 lacs approximately of ESI Model Hospital and its Residential colony situated at SIDCO Bari Brahmana, Jammu(J&K) for one year (2014-15).

Dear Sir,

Please find enclosed herewith a set of tender documents for the above including notice inviting tenders, Instructions to tenderers, general conditions of contract and Bill of quantities. You are requested to submit your tender complete in all respects, in two separate envelopes containing the following papers.

Envelope (i) :- Technical bid in prescribed form. Acceptance to techno-commercial and other terms and conditions of the tender. All the pages of general conditions of contract and other documents should be duly signed.

Envelope (ii) :- Financial Bid- Item rate quoted for the items of the work given in the bill of quantities included in the tender document. All the pages of bill of quantities should be duly signed. No conditions should be stipulated in the price bid.

The third envelope shall contain E.M.D, Envelope (i) & Envelope (ii).

Each envelope should be subscribed with envelope number, contains, name of the work, submission date of tender & name of tenderer.

The rates quoted shall be inclusive of all the taxes, duties and shall be valid till the completion of work/ contract.

Offers as mentioned above should reach the office of the Medical Superintendent, ESI Model Hospital, Bari Brahmana, Jammu-181133 in the tender box latest by 1:00 PM on 11/03/2014. Tenders will be opened on the same day at 02:30 PM in the presence of tenderers or their authorized representatives who so ever would like to be present. If 11/03/2014 is declared holiday then it will be opened on next working day.

Medical Superintendent reserves the right to reject the offers which are not submitted as per the tender requirement without assigning any reason thereof and his decision shall be final and binding.

I) Entire work is to be completed in one year (2014-15).

II) Amount of work can be increased or decreased depending upon the site condition.

III) Tenderers are requested to see the work site involved against the items and location of

work, before submitting their offer.

- IV) Tenderer will have to obtain the Service Tax Registration number if applicable and submit the copy of the same before starting the work. Delay in completing the work as per time schedule given in the agreement, the contractor shall be liable to pay an amount of 1.25% of the total cost of work for every week of delay or part thereof as liquidated damages to E.S.I.C subject to a maximum of 5% of sanctioned cost of the work. For working out the 1.25% penalty, the odd number of days would be rounded to nearest week.

As soon as L.O.I is issued to the successful tenderer, the tenderer will submit a performance guarantee @ 5% of the contract amount within 10 days which will be valid upto beyond 60 days from the date of completion. Before signing the agreement with the contractor, the Medical Superintendent or his authorized representative will verify the authenticity/correctness of the Bank Guarantee from the concerned bank.

Encl: As above.

Yours faithfully,

For Medical Superintendent

Instructions to the Tenderers

1. Sealed offers under two envelope system in the prescribed forms are invited from eligible tenderers for providing Annual Repair and maintenance services listed under scope of services in this bid document.
2. The amount of earnest money deposit (EMD) shall be Rs 62,500/-(Rupees Sixty two thousand five hundred only) in the form of DD, drawn in favour of ESI Saving Fund - A/c No. 1 payable at Bari Brahman, Jammu.
3. Tender form should be complete in all respects. Incomplete tender forms or bids without earnest money deposit shall be treated as invalid & will not be considered.
4. Last date of submission of tender is 11th March 2014 upto 1:00 PM.
5. Date of opening of tender is 11th March 2014 at 2:30PM.
6. Each and every page of tender documents should bear the stamp and signature of the Tenderer or his authorized representative. Format I, II, and III enclosed shall be filled without exception. The tender shall also enclose the latest Income Tax Return and proof of VAT/works contract Tax Registration where applicable.
7. The rate for each and every item shall be quoted in figures and words. In case of discrepancy in rates, the rate written in words shall prevail.
8. Sealed envelope containing tender document, should be superscribed "Tender for ARM services" and the name and address of the tenderer.
9. The site for the work is available and can be seen on any working day during office hours by contacting Civil Engineer, ESI Model Hospital, Bari Brahmana, Jammu.
10. The Medical Superintendent reserves the right to accept or reject any tender or all tenders without assigning any reason.
11. Conditional tenders are liable to be rejected.
12. The tender for the work shall remain open for acceptance for a period of Sixty days (60) from the date of opening of tender.
13. These instructions shall form a part of the contract document.
14. The EMD of unsuccessful tenderer shall be refunded after the award of work to the successful tenderer.
15. Rates quoted shall be firm and fixed and are inclusive of cost of man power, material, machinery, tools and plants etc., all taxes (including Service Tax), duties and levies, insurance etc, no escalation of whatsoever nature shall be payable for the period of contract.
16. Eligibility criteria:
 - (i) The tenderers should have minimum three years experience as on 31/12/2013 in works of similar nature.
 - (ii) The tenderer should have successfully completed any one of the following works in the last three years
 - One similar work of value not less than Rs 15.50 Lac.
 - Two similar works of value not less than Rs 9.70 Lac.
 - Three similar works of value not less than Rs 7.80 Lac.
 - (iii) The tenderer should have minimum in house man power to cover requirement of format III. The successful tenderer would be required to establish his office within the site of the work in the space provided by the ESIC.
17. Submission of Bids: The bidder shall submit the EMD in the shape of Demand Draft and technical bid together in the separate sealed cover and the Financial bid in another sealed cover and all these two sealed covers are to be put in a bigger cover which also be sealed and duly

- superscribed “ Tender for ARM services”.
18. Evaluation of technical bids:- Bids received and found valid will be evaluated by the ESIC to ascertain the best evaluated bid for the complete work/ services under the specifications and documents. The tenderer should take care to submit all the information sought by the ESIC in prescribed formats.
 - (a) Firm's relevant experience and strength profile of agency, registration details, experience of similar works, annual turnover and total man power employed.
 - (b) Qualification/ Related experience.,
 19. Financial Bid:- The financial bid of tenderers, who qualifies will be opened after giving minimum two days notice to the tenderers.
 20. Award of work:-
 - (a) The selection of the agency will be at the sole discretion of the competent authority who reserves the right to accept or reject any or all the proposals without assigning any reason.
 - (b) The contract for the Annual Repair and Maintenance shall be awarded to the best qualified responsive tenderer who has quoted lowest.
 - (c) Upon evaluation of offers the notification for award of contract will be intimated to the successful tenderer.
 21. Duly filled offer document shall be deposited in the office or send by speed post latest by **11/03/2014** at 1:00 PM of the ESIC at the following address -
“The Medical Superintendent, ESIC Model Hospital, Bari Brahmana, Jammu – 181133 (J&K).
 22. Delayed/ Late tenders will not be considered.
 23. Documents to be attached with the technical bid –
 - (i) ESIC/EPF challan for last one year.
 - (ii) Profit & Loss and Balance sheet of last 3 years.
 - (iii) Copy of PAN Card.
 - (iv) Labour licence if available.

Sd/-
Medical Superintendent

Technical Bid (PART -A)
Format - I
(Brief Description of the Firm)

(with an outline of the experience of the firm for similar works during the last three years)

- a) Name of the Firm:-
- b) Year of Registration:-
- c) EPF Registration Number:-
- d) ESI Registration Number:-
- e) Type of Firm (individual/Proprietary/limited company or any other)
- f) In house facilities available in the following fields

| Sr. No. | Fields | Manpower with more than 10 years experience | Manpower with 5 to 10 years experience | Manpower with less than 5 years experience |
|----------------|---|--|---|---|
| 1 | Original/ Annual repair works(Civil) | | | |
| 2 | Repair and Maintenance of water supply, plumbing, sewerages & drainage etc. | | | |
| 3 | Electric work | | | |

Note:- Provide documents in support of the details provided in above format, failing which the authenticity of the information will not be accepted.

Format - II
EXPERIENCE OF CONTRACTOR/COMPANY

(Experience of the relevant and similar work of construction, annual Repair and Maintenance completed during last three years proceeding December 31, 2013 and ongoing works)

Use separate sheet for each work –

| | | |
|---|---|--|
| 1 | Project title and Location | |
| 2 | Name of the client and Address | |
| 3 | Describe area of participation (Specific work done/ services rendered by the applicant) | |
| 4 | Period of work done/ services rendered for the project | |
| 5 | Total cost of work/ AMC cost | |
| 6 | Date of start of the work and the present status | |
| 7 | Any other details | |

Cost of various work/AMC done already (Year wise)
(As per instructions 16 eligibility criteria at Page No. 4)

Year 01
 02
 03

Note:- Supporting documents like certificates from the client in support of each of the above projects to be furnished duly signed by the competent authority.

Format-III
TOTAL MANPOWER DEPLOYMENT SCHEDULE

[A] The following man power is to be deployed in daily shifts as mentioned against each:

| Sr. No. | Category | No.'s | Shift details | Remarks |
|----------------|--------------------------|--------------|----------------------|-----------------------------------|
| 1 | Electrician cum Operator | 3 | Three | At least one should be ITI passed |
| 2 | Helper | 1 | Day | |

Note:- Only licensed/certified electricians/operators shall be deployed preferably the other skilled workers deployed shall also be licensed/certified. License of electricians to be enclosed i.e. ITI passed. Other certificates of technical qualifications also to be enclosed. All the above staff of the contractor shall wear uniforms and badges identifying their category and name in English and local language.

Financial Bid (Part-B)

Name of Work :-Annual Repair and maintenance of civil and electrical works of ESIC Model Hospital and its residential colony at Bari Brahmana, Jammu

Abstract of Cost

A] BILL OF QUANTITIES - Measurable and non measurable items of works (as per annexure 'A' regarding civil and electrical works)

| Sr. No. | Description of items | Remarks |
|----------------|---|--|
| 1 | Maintaining an office in space provided by ESIC an attending to repair with maintenance Staff including all required helpers, Tools and Plant in attendance as per format-iii | ABSTRACT ENCLOSED (Annexure – A(I), A(II) & A(III)) |

Note:-

- (i) The contactor shall maintain an inventory and use common miscellaneous sundry materials (Screws, Nails internal fittings of Taps, Valves and Tanks etc. Plumbing thread, Safeda, Clamps, Hooks, Cement and Patch repairs etc.) Which are required for the work the cost of which is included in the BOQ items.
- (ii) The above rates shall include the cost of any assistance of unskilled /semi skilled persons required by the skilled person.

In-case of absence of any worker without providing suitable replacement, an amount Rs. 300 per day shall be recovered as liquidated damages per person per day of absence.

- Note :-
- (i) Payment shall be made for actual days of employment.
 - (ii) Payment shall be made for actual quantities executed at the contract rate.
 - (iii) If the Contractor fails to complete the work in time , liquidated damages at the rate of 1.25 percent of the total value of work under measurable items shall be recovered subject to a maximum 5% of the total value.

GENERAL CONDITIONS OF CONTRACT

Definition and Interpretation:

1. Definitions:-

- (a) The contract (as herein after defined) the following words and expressions shall have the meanings hereby assigned to them except where the context otherwise requires.
1. "Employer" means the Medical Superintendent, ESI Model Hospital, Bari Brahmana, Jammu
 2. "Engineer" means the person appointed by ESIC to act as Engineer for the purpose of contract.
 3. "Contractor" means an individual or firm (Proprietary or partnership) whether incorporate or not, that has entered into contract(with the employer) and shall include his / its heirs, legal representatives, successors and assigns. Changes in the Constitution of the firm, if any shall be immediately notified to the employer in writing and approval obtained for continued performance of the contract.
- (b)
- 1) "Contract" means these conditions, the specifications, the bill of quantities, tender, the letter of acceptance, the contract agreement(if completed) and such further documents as may be expressively incorporated in the letter of Acceptance or Contract Agreement(if completed).
 - 2) "Specifications" means the specification of the works included in the contract and any modification thereof.
 - 3) "Drawings" means all the completion drawings, calculation and technical information of a like nature provided by the Engineer to the contractor under the contract and all drawings, calculation, samples, patterns, models, repair and maintenance manuals and other technical information of the like nature submitted by the contractor and approved by the Engineer.
 - 4) "Bill of Quantities" means the priced and completed bill of quantities forming part of the tender.
 - 5) "Tender" means the contractor priced offer to the employer for the execution and completion of the works and remedying of any defects therein in accordance with the provisions of the contract, accepted by the letter of acceptance. The word tender is synonymous with "bid" and the words, tender documents with bidding documents.
 - 6) "Letter of Acceptance" means the formal acceptance of the tender by the ESIC.
 - 7) "Contract Agreement" means the contract agreement (if any) referred to in (b)(i) above.
 - 8) "Appendix to Tender" means the appendix comprised in the form of tender annexed to these conditions.
- (c)
- 1) "Commencement Date" means the date upon which the contractor receives the notice to start the works.
 - 2) "Time of Completion" means the time period for which the contract of repair and maintenance has been awarded by the employer to the contractor.
- (d)
- 1) "Contract Price" means the sum stated in the letter of acceptance as payable to the contractor for the execution and completion of the works and the remedying of any defects therein in accordance with the provisions of the contract.
 - 2) "Retention Money" means the aggregate of all money retained by the employer.
- (e)
- 1) "Works" means the permanent works and the temporary works or either of them to be executed in accordance with the contract.
 - 2) "Site" means the places provided by the employer for repair and maintenance of ESI Model Hospital Bari Brahmana, Jammu.

3) "Cost" means all expenditure properly incurred or to be incurred, whether on or off the site including overhead and other charges but does not include any allowance for profit.

2. Engineers duties and authority –

(a) The engineer shall carry out the duties specified in the contract.

3. Custody and supply of drawings and documents –

The drawings shall remain in the sole custody of the employer/ Engineer, but copy as required shall be provided to the contractor free solely for the purpose of this contract.

4. Sufficiency of tender –

The contractor shall be deemed to have based his tender on the data made available by the employer and own inspection and examination of this site conditions.

5. Contractor's employees –

The contractor shall provided on the site qualified and experienced technical staff in connection with repair and maintenance of the works and the remedying of any defects therein. The minimum staff shall as per description of work mentioned in BOQ.

6. Engineers at liberty to object –

The engineer shall be at liberty to object to an requires the Contractor to remove forthwith from the works any person provided by the contractor who, in the opinion of the engineer, misconducts himself, or is incompetent or negligent in the proper performance of his duties or whose presence on site is otherwise considered by the engineer undesirable, and such person shall not be again allowed upon the works without the consent of the engineer. Any person so removed from the works shall be replaced as soon as possible.

7. Safety Security and protection of the environment.

The Contractor shall throughout the execution and completion of the works and the remedying of any defects their in :

- (I) Have full regard for the safety of all persons entitled to be upon the site and keep the site (so far as same under his control) and the works (So far as the same are not completed) or occupied by the employer in an orderly state appropriate to the avoidance of danger to such person and .
- (II) Provide and maintain at his own cost all lights, guards, fencing, warning signs and watching when and where necessary are required by the engineer are by any duly constituted authority for the protection of the works or for the safety and convenience of the public or others, and
- (III) Take all reasonable steps to protect the environment on and off the site and to avoid damages or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequences of his methods or repairs.

8. (a) Insurance of work by the contractor for his liability.

- (I) During the repair and maintenance period for loss of damages to property and life arising from a cause for which contractor is responsible.
- (II) For loss of damages occasioned by the contractor in the course of any repairs carried out by him for the purpose of complying with his obligations. It shall be the responsibility of the contractor to notify the insurance company of any change in the nature and extent of the works and to ensure the adequacy of the insurance cover at all times during the period of the contract.

(b) Damages to persons and property:

The contractor shall, except if and so far as the contract provides otherwise, indemnify the employer against all losses and claims in respect of:

- (I) Death of or injury to any person or
- (II) Loss or damage to any property(other than the works) which may arise out of or in consequence of the repair and maintenance of the works and the remedying of any defects

therein and against all claims, proceedings, damages, costs, charges and expenses whatsoever in respect thereof.

9. Accident or injury to workmen:

The employer shall not be liable for or in respect of any damages or compensation payable to any work man for death or injury resulting from any act or default of the contractor. The contractor shall indemnify and keep indemnified the employer against all such damages and compensation and expenses whatsoever in respect thereof or in relation thereto.

10. Evidence and Terms of Insurance:

The contractor shall take out appropriate insurance to cover his work and workers and staff employed by him fully. The contractor shall provide evidence to the Engineer/Employer as soon as practicable after the respective insurance have been taken out but in any case prior to the start of the work at site that insurance required under the contract have been effected.

11. (A) Compliance with Statute, Regulations :

The contractor shall confirm in all respects, including by giving of all notice and the paying of all fees with the provision of:

- (a) Any national or state statute, ordinance or other law, or any regulation, or by law of any local or other duly constituted authority in relation to the execution and completion of the works and remedying of any defects therein, and
- (b) The rules and regulations of all public bodies and companies whose property or rights affected or may be affected in any way by the works and the contractor shall keep the employer indemnified against all penalties and liability of any kind for breach of any such provision.
- (c) Any changes required for approval due to revision of local laws.

(B) Default of contractor in Compliance:

In case of default on the contractor in carrying out such instruction within the time specified therein or if none one, within a reasonable time, the employer shall be entitled to employ and pay other persons to carry out the same and all cost consequent thereon or incidental thereto shall, be determined by the Engineer shall be recoverable from the contractor by the employer, and may be deducted by the employer from any monies due or to become due to the contractor and the engineer shall notify the contractor accordingly.

12. Time of Completion:

The repair and maintenance work shall be for a period of twelve months or as mentioned in the letter of commencement and shall start from the date of issue of letter of commencement and shall stand terminated after the expiry of twelve months.

13. Extension for Time of Completion:

The repair and maintenance contract may be extended on the written mutual consent of both employer and the contractor for a further period of one year. However, employers reserves its right to terminate the repair and maintenance contract by giving 15 days notice at any time during the currency of the contract if the services of the agency are not satisfactory as per the opinion of the employer or its representative.

14. Defect Identification and its Rectification:

The agency shall immediately attend the defects and complaints notices at site. The agency shall provide and develop a system for regular repair and maintenance of all services which include defects

identifications and its immediate rectification so that services are not affected. It shall be the sole responsibility of the repair and maintenance agency that all the services are kept in functional condition round the clock during the currency of the contract. Defect liability period shall be 12 months from the date of completion of the work under BOQ measurable works. The contractor shall rectify at his own expenses any defects in the work carried out by him during this period. On failure of the contractor to do so, the same shall be completed by the employer at the risk and cost of the contractor.

15. Penalty for Delay (Liquidated damages for Delay):

If the contractor fails to attend any complaint or defect in due course of time and if in the opinion of the Engineer delays on the part of repair and maintenance agency, the employer can impose liquidated damages on the contractor as mentioned on page no. 3 of the tender document.

16. Contractor's failure to carry out instructions:

In case of default on the part of the contractor in carrying out defect rectification works, the employer/ engineer shall be entitled to employ and pay other persons to carry out the same and if such work in the opinion of the Engineer, the contractor was liable to do at his own cost under the contract, then all costs consequent thereon or incidental thereto shall be determined by the Engineer and shall be recoverable from the contractor by the employer, and may be deducted by the employer from any monies due or to become due to the contractor.

17. Instructions for Variations :

Quantities given in the BOQ are estimated quantities. The quantity of any particular item may vary to any extent. Variation in quantity in particular items or overall cost, does not entitle the contractor to claim any extra cost.

MEASUREMENT

18. Works to be measured for BOQ items:

The Engineer shall determine by measurement of the value of actual work done in accordance with the contract and the contractor shall be paid proportionately. Part rate shall be made for any part of BOQ items not fully executed. Engineer shall be at liberty to decide the breakup of lump sum items and to decide the part rate of any particular item. In case Overtime working of staff under Format-III is required, specific instructions of the authorized Officer/ Engineer is to be obtained. Payment shall be made at applicable overtime rates.

19. Method of Measurement.

The work shall be measured net, notwithstanding any general or local custom, except where otherwise provided in the contract.

CERTIFICATE AND PAYMENTS:

20. Monthly Statements:

The contractor shall submit a bill in three copies to the Medical Superintendent by 7th of each month for the work executed upto the end of previous month in tabulated form duly verified by the Engineer, showing the amounts to which the contractor considers himself to be entitled. The bill must be supported with following documents:-

- (a) Attendance sheet along with salary certificates, wages sheets of all the workers and staff deployed against Annexure A(I), A(II) and A(III).
- (b) Certified bill miscellaneous materials purchased under different head against item no. "A"

- (c) Details of defects/ complaints attended and rectified within time.
- (d) Details of complaints attended late.

21. Deduction of Income Tax:

The amount to be deducted towards the income tax shall be at the rate applicable.

22. Monthly Payments :

After submission of monthly bills complete in all respect by the contractor, Engineer shall check the bills with the help of contractor and certify for payment within 15 days of the submission of the bill.

23. Performance Guarantee:

Within two weeks of award of work, the contractor shall submit a performance security at the rate of 5% of the contract value for proper performance of the contract in the format enclosed as Formate-IV. The performance guarantee shall be valid for the duration of the contract period plus 60 days. The performance security can be encashed by the employer to recover any amount which is payable by the contractor to the employer on account for a cause arising out of the contract.

24. Correction of Certificates:

The Engineer may at any Interim payment certificates make any correction or modification in any previous interim payment certificates which has been issued by him and shall have authority if any work is not being carried out to his satisfaction, to omit or reduce the value of such work in any interim payment certificate.

25. Final Certificate:

Within 28 days after receipt of the final statement, and the written discharges, the Engineer shall issue to the employer (with a copy to the contractor) a final certificate stating:

- (a) The amount which, in opinion of the Engineer is finally due under the contract, and
- (b) After giving credit to the employer for all amounts previously paid by the Employer and for all sums to which the employer is entitled under the contract.

26. Default of Contractor:

26.1 If the Performance of the contractor is not satisfactory and not corrected within 15 days of receiving notice, then employer shall be at liberty to terminate the contract and get the work executed through other means at the risk and cost of the contractor.

26.2 In the event of termination of the contract, the employer shall be at liberty to get the balance work done at the risk and cost of the contractor and due payment of contractor, if any, shall be released after the completion of whole of the works.

27. Amicable settlement of Disputes:

The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection of this contract or the interpretation thereof.

28. Arbitration:

Any dispute and differences relating to the meaning of the specifications, designs, drawings and instructions herein before mentioned and as to the quality of workmanship of materials used in the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions or these conditions or otherwise concerning the works or the execution or failure to execute the same whether arising during the progress of the work or after the completion or abandonment thereof in respect of which amicable settlement has not been reached shall be referred to the sole arbitration of the Chief Engineer, ESIC who shall proceed as per the Arbitration Act, 1996.

28.1 The work under the contract shall continue during the arbitration proceedings.

28.2 The award of the Arbitrator shall be final, conclusive and binding on both the parties.

Particular Conditions of Contract

1. CPWD specifications shall be followed. Where not available, BIS/ Engineering practice as directed by the Engineer shall be followed.
2. Complaint shall be made in the format (Enclosure-I).
3. A complaint register (format at enclosure-II) shall be maintained in the repair and maintenance office of the contractor in which all complaints received shall be documented.
4. All repair and maintenance related complaints shall be attended to within 2 hours failing which a recovery of Rs 100/- per event per hour shall be made from the subsequent payment certificate of the contractor.
5. The sewer men shall ensure that all lines are maintained in a clean condition by preventing cleaning of all lines at least once each month.
6. As the work will have to be carried out in building and area in use the contractor shall ensure:-
 - i. That the normal functioning of ESIC activity is not affected as far as possible.
 - ii. That the work is carried out in an orderly manner without noise and obstruction to flow of traffic.
 - iii. That all rubbish etc is disposed off at the earliest and the place is left clean and orderly at the end of each day work.
 - iv. The contractor shall ensure that his repair and maintenance staff is qualified and licensed for their part of work. He shall be responsible for their conduct. The staff should behave in Courteous manner. The contractor shall be held responsible for any loss or damage to ESIC property.
 - v. The contractor shall ensure safety of his workers and others at site of work and shall be responsible for any consequences arising out of execution of the repair and maintenance work.
 - vi. When instructed to do so, the contractor shall ensure proper record keeping and storing of irreparable/ dismantled material.
 - vii. Water and Electricity shall be made available free of cost at the nearby source or work. The contractor has to make his own arrangement for use of the same including drawing temporarily lines etc. The responsibility for following relevant rules, regulations and laws in this regard shall be entirely that of contractor.
 - viii. The contractor, to whom the work is awarded, will execute the work himself. He will not be allowed to sublet the work to any other agency.
 - ix. DSR 2012 shall be followed.

Following Indicative Works are Covered under scope of ARM

(A) CIVIL WORKS :

- 1) Attending to blockage of drain pipe, gully trap and manhole.
- 2) Attending to leakage from tap and valves, sanitary fixture, fixtures for water supply.
- 3) Cleaning shafts and keeping the same functional.
- 4) Attending to rectification of mal-functioning fittings on doors/windows etc.
- 5) Occasional replacement of broken glass panes of doors and windows and their handles.
- 6) Attending to rectification of wall plaster and floors in patch work (not large in area/quantity w.r.t. the whole thereof).
- 7) Occasional replacement of water supply fittings/ sanitary fixtures.
- 8) Cleaning of Overhead, ground surface and roof top water tanks.
- 9) Changing of fly proof mesh in doors, windows and ventilators.
- 10) Repairs of expansion joints to limited extent.
- 11) Distempering, Whitewashing and painting of walls, roof, Door, and Windows etc.
- 12) Minor additions and alterations.

(B) ELECTRICAL WORKS:

- 1) Replacement of fuse (all types), repair/replacement of faulty switches, holders, screws, etc.
- 2) Oiling, greasing of fans (ceiling, wall and exhaust) as and when required.
- 3) Repair/ replacement of tube lights/ chokes and starters.
- 4) Rewiring of circuit wiring to a limited extent.
- 5) Checking of earthing system to make it functional and effective.
- 6) Operation of D.G. Sets/ water pump sets.
- 7) Repair and maintenance of internal electrical fittings/ systems/ fans etc and its connected services.

COMPLAINT REGISTRATION FORM

Date : _____

Time : _____

Nature of Complaint

Complainant: _____

Signature: _____

Complaint attended

Date: _____

Time : _____

From _____ To _____

Certified that the complaint has been satisfactory attended

Contractor

Complainant

Date : _____

*To be submitted along with running bills.

MAINTENANACE COMPLAINT REGISTER

| Sr. No. | Date & Time | Complaint | Nature of Complaint | Complaint attended Date & Time | Remarks | Signature of contractor |
|----------------|------------------------|------------------|----------------------------|---|----------------|--------------------------------|
| | | | | | | |

FORM OF PERFORMANCE SECURITY BANK GUARANTEE BOND

In consideration of the ESIC having agreed under the terms and conditions of the Agreement No. _____ dated _____ made between ESIC and second party (herein called the said construction agency _____ for the work herein after called the said agreement) to production of irrevocable bank guarantee for Rs _____ (Rupees _____ only) as a security/ Guarantee from the construction agency for compliance of his obligations in accordance with the terms and conditions in the said agreement,

We _____ (herein after referred as to "the bank" hereby) (indicate the name of the bank)

Undertake to pay to the ESIC an amount not exceeding Rs _____ (Rupees _____ only) on demand by the ESIC.

2. We _____ do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the ESIC stating that the amount claimed is required to meet the recoveries due or likely to be due from the second party. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this guarantee. However our liability under this guarantee shall be restricted to an amount not exceeding Rs _____ (Rupees _____ only).

3. We, the said bank further undertake to pay to the ESIC any money that is demanded notwithstanding any dispute or disputes raised by the second party in any suit or proceeding pending before any court or tribunal relating thereto, a liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of a liability for payment there under and the second party shall have no claim against us making such payment.

4. We _____ further agree that the guarantee herein contained shall remain in full force and effect during the period that would taken for the performance of the said agreement and that it shall continue to enforceable till all the dues of the ESIC under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or Engineer-in-charge on behalf of the ESIC certified that the terms and conditions of the said agreement have been fully and properly carried out by the said second party and accordingly discharges this guarantee.

5. We _____ (indicate the name of Bank) further agree with the ESIC that The ESIC shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the ESIC against the second party and to bear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor or for any forbearance , act of omission on the part of the ESIC or any indulgence by the ESIC to the said contractors or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor.

7. We _____ lastly undertake not to revoke this guarantee except with the previous consent of the ESIC in writing.

8. This guarantee shall be valid upto _____. Unless extended on demand by ESIC. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs _____ (Rupees _____ only) and unless a claim in writing is lodged with us within six months of the date of expiry of the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the _____ Day of _____ For _____ (indicate the name of the bank).

BOQ

**For A.R.M. Civil Work - ESIC Model Hospital and its residential colony at Bari Brahmana,
Jammu -181133
(For a year)**

| Sl. No. | D.S.R. 2012 Item No. | Description of Item | Unit | Quantity | Rate to be quoted by tenderer | Amount |
|---------|----------------------|---|---------|----------|-------------------------------|--------|
| 1 | 2.2 | Earth work in rough excavation, banking excavated earth in layers not exceeding 20 cm in depth, breaking clods dressing up in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead up to 50m and lift up to 1.5m. All kinds of soil. | Cum | 5 | | |
| 2 | 2.28 | Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 meters and lift upto 1.5 mtr. All kinds of soil. | 100sq m | 50 | | |
| 3 | 4.1 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering -All work upto plinth level. | | | | |
| 3(a) | 4.1.8 | 1:4:8(1 cement :4 coarse sand:8 graded stone aggregate 40 mm nominal size) | Cum | 3.0 | | |
| 3(b) | 4.1.5 | 1:3:6(1 cement:3 coarse sand:6 graded stone aggregate 20mm nominal size) | cum | 3.00 | | |
| 3(c) | 4.1.3 | 1:2:4(1 cement 2coarse sand 4 graded stone aggregate 20 mm) | cum | 2.50 | | |
| 4 | 4.6.1 | Providing and fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand) including the cost of required centering, shuttering complete 1:2:4 (1 cement :2 coarse sand : 4 graded stone | Cum | 1.00 | | |

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| | | aggregate 20mm nominal size). | | | | |
| 5 | 5.1.2 | Providing and laying in position reinforced cement concrete 1:1.5:3 (1 cement:1.5 coarse sand:3 graded stone aggregate 20mm nominal size exclud. the cost of centering, shuttering, finishing and reinforcement - All work upto plinth level) | Cum | 1.50 | | |
| 6 | 5.3 | Reinforced cement concrete work In beams, suspended floors , roofs, having slop upto 15 deg landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level , excluding the cost of centering, shuttering ,finishing and reinforcement with 1:2:4 (1 cement:2 coarses and: 4 graded stone aggregate 20mm nominal size.) | Cum | 1.50 | | |
| 7 | 5.22-A3 | Steel reinforcement for R.C.C. work including straightening, cutting ,bending, placing in position and binding all complete above plinth level. Cold twisted bars. | Kg | 150 | | |
| 8 | 5.15 | Providing, hoisting and fixing upto floor five level precast reinforced cement concrete in lintels, beams and bressumers, including setting in cement mortar 1:3, (1 cement :3 coarse sand) cost of reqd. centering and shuttering but excluding the cost of reinforcement with 1:2:4. (1 cement:2 coarse sand: 4 graded stone aggregate 20mm nominal size.) | Cum | 2.0 | | |
| 9 | 4.11 | Providing and laying damp-proof coarse 50mm thick with cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 20mm nominal size). | Sqm | 5.0 | | |
| 10 | 14.1.2 | Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. meters and under, including | Sqm | 100 | | |

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| | | cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50meters lead: With cement mortar 1:4 (1 cement: 4 coarse sand). | | | | |
| 11 | 14.5 | Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: | | | | |
| | 14.5.1 | Float glass panes of thickness 4mm. | Sqm | 70 | | |
| | 14.5.2 | Float glass panes of thickness 5.50mm. | Sqm | 6 | | |
| 12 | 14.9 | Renewal of old putty of glass panes (length) | Meter | 400 | | |
| 13 | 14.10 | Re-fixing old glass panes with putty and nails. | Sqm | 12.00 | | |
| 14 | 14.42.1 | Whitewashing with lime to give an even shade old work two or more coats. | Sqm | 1200 | | |
| 15 | 14.43 | Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete | Sqm | 200 | | |
| 16 | 14.46 | Removing dry or oil bound distemper ,water proofing cement paint and the like by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete | Sqm | 250 | | |
| 17 | 14.45 | Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. Old work (one or more coats) | Sqm | 3600 | | |
| 18 | 14.54.1 | Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old work. | Sqm | 2700 | | |

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| 19 | 14.64.1 | Finishing walls with water proofing cement paint of required shade: Old work (one or more coats applied @2.2Kg/10Sqm) over priming coat of primer applied @0.80Lt/10Sqm.complete including cost of primary coat. | Sqm | 5200 | | |
| 20 | 5.9 | Centering and shuttering including, strutting, propping etc. and removal of form for : | | | | |
| | 5.9.1 | Foundations, footings, bases of columns etc. for mass concrete. | Sqm | 10 | | |
| | 5.9.3 | Suspended floors , roofs, landings, balconies and access platform Shelves (Cast in situ) | Sqm | 4.5 | | |
| | 5.9.4 | Lintels, beams, plinth beams, | Sqm | 4.5 | | |
| | 5.9.5 | girders, bressumers and cantilevers. | Sqm | 2.0 | | |
| | 5.9.16 | Edges of slab and breaks in floors and walls under 20cm wide | meter | 5.0 | | |
| 21 | 15.2.1 | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 m of lead as per direction of Engineer -in -charge. Nominal concrete 1:3:6 or richer mix (I/c equivalent design mix) | Cum | 1.0 | | |
| 22 | 15.7.4 | Demolishing brick work manually /by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 m of lead as per direction of Engineer -in -charge. In cement mortar | Cum | 2.0 | | |
| 23 | 15.8.3 | Removing mortar from bricks and cleaning bricks including stacking within a lead of 50m (Stacks of clean bricks shall be measured)from brick work in cement mortar | 1000 Nos. | 800 | | |
| 24 | 6.4.2 | Brick work with common burnt clay F.P.S. Bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in: Cement mortar 1:6(1 cement : 6 coarse sand) | Cum | 4.5 | | |

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| 25 | 6.13.2 | Half brick masonry with common burnt clay F.P.S. Bricks of class designation 75 in superstructure above plinth level up to flood V level : Cement mortar 1:4(1 cement : 4 coarse sand) | Sqm | 5.0 | | |
| 26 | 8.2.1.2 | Providing and fixing 18mm thick gang saw cut mirror polished, pre-molded and pre-polished machine cut for kitchen platforms, vanity counters, window sills facials and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, molding and polishing to edges to give high gloss finish etc. complete at all levels. Raj Nagar Plain white marble/Udaipur green marble/Zebra Black marble : Area of slab upto 0.50 sqm. | | | | |
| | 8.2.1.1 | Area of slab over 0.50 sqm | Sqm | 2.0 | | |
| | 8.2.1.2 | | Sqm | 2.0 | | |
| 27 | 8.3.1 | Providing edge molding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer – in-charge. (a) Marble work. | meter | 3.0 | | |
| 28 | 8.6 | Mirror polishing on marble work /granite work /stone work wherever required to give high gloss finish complete . | Sqm | 400 | | |
| 29 | 9.84 | Providing and fixing aluminum extruded section body tubular type universal hydraulic door closer(having brand logo with ISI, IS: 3564 embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm) with double speed adjustment | Each | 6 | | |

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| | | with necessary accessories and screws etc. complete. | | | | |
| 30 | 9.97 | Providing and fixing aluminum tower bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: | | | | |
| | 9.97.2 | 250×10mm | Each | 12 | | |
| | 9.97.3 | 200×10mm | each | 24 | | |
| 31 | 9.101.2 | Providing and fixing aluminum hanging floor door stopper ISI Marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade with necessary screws etc. complete : Twin rubber stopper. | Each | 12 | | |
| | | | | | | |
| 32 | 10.2 | Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete: | Kg | 300 | | |
| 33 | 10.25 | Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required : In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. | Kg | 300 | | |
| 34 | 11.19.4 | Chequered terrazo tiles 22 mm thick with graded marble chip of size up to 6mm in floors jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete on 20 mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand): Ordinary cement, without any pigment. | Sqm | 5 | | |

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| 35 | 11.26 | Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1cement:4 coarse sand) :25mm thick. | sqm | 10 | | |
| 36 | 11.36 | Providing and fixing 1 st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps and dados over 12mm thick bed of cement Mortar 1:3 (1cement:3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. | Sqm | 40 | | |
| 37 | 11.39 | Providing and laying rectified Glazed Ceramic floor tiles 300x300mm or more (thickness to be specified by the manufacture) of 1 st quality conforming to IS: 15622 of approved make in colours White, Ivory, Grey, Fume Red Brown, laid on 20mm thick cement mortar 1:4 (1cement:4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete. | Sqm | 8 | | |
| 38 | 11.41.2 | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1cement:4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete: Size of tiles 600x 600mm. | Sqm | 45 | | |

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| 39 | 21.1 | <p>Providing and fixing aluminum work for doors, windows ,ventilators and partitions with extruded built up standard tubular sections /appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285,fixing with dash fasteners of required dia and size including necessary filling up of gaps at junctions i.e. at top ,bottom and sides with required EPDM rubber /neoprene gaskets etc. Aluminum sections shall be smooth ,rust free , straight , mitred and jointed mechanically wherever required including cleat angles, aluminum snap beading for glazing /paneling ,C.P/stainless screws ,all complete as per directions of Engineer in-charge (glazing , paneling and dash fasteners to be paid separately)</p> <p>i) For fixed portion</p> | | | | |
| | 21.1.1.1 | Anodised aluminum (anodised transparent or dyed to required shaded according to IS:1868,minimum anodic coating of grade AC15) | Kg | 50.0 | | |
| | 21.1.2.1 | For shutter of doors ,windows and ventilators including providing and fixing hinges /pivots and making provision for fixing of fittings wherever required. Anodised aluminum (anodised transparent or dyed to required to IS:1868, minimum anodic coating of grade AC15) | Kg | 70 | | |
| 40 | 21.4.1 | Providing and fixing double action hydraulic floor spring of approved brand and manufacture confirming to IS:6315,having brand logo embossed on the body /plate with double spring mechanism and door weight 125 Kg for doors including cost of cutting floors ,embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with | | | | |

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| | | brass pivot and single piece MS sheet outer box with slide plate etc. complete as per direction of Engineer In-charge with stainless steel cover plate min 1.25mm thickness | Each | 12 | | |
| 41 | 21.13 | Providing 100 mm brass locks (best make of approved quality) for aluminum doors including necessary cutting and making good etc. complete. | Each | 6 | | |
| 42 | 12.4 | Providing ridges or hips of width 60cm overall width plain G.S. Sheet fixed with polymer coated J. or L hooks, bolts and nuts 8mm dia. G.I. Limpet and bitumen washers complete: 0.8 mm thick with zinc coating not less than 275gm/sqm. | meter | 6 | | |
| 43 | 12.1.2 | Providing corrugated G.S. sheet roofing including vertical /curved surface fixed with polymer coated J or L hooks ,bolts and nuts 8mm diameter with bitumen and G.I, limpet washer or with GI limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (Upto any pitch in horizontal /vertical or curbed surfaces)excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required, 0.80 mm thick with zinc coating not less than 275 gm /sqm | Sqm | 22.0 | | |
| 44 | 12.48 | Providing & fixing on roof pressed clay tile (Manglore tile) of 20mm nominal thickness and of approved size and as per approved pattern ceiling on steel frame work complete (steel frame work to be paid separately). | Sqm | 10 | | |
| 45 | 12.49 | Providing & laying on roof pressed clay tile ridge (Manglore tile) of 20mm thickness of approved pattern | Sqm | 4 | | |

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| | | ceiling over steel frame work complete (steel frame work to be paid separately). | | | | |
| 46 | 13.26 | Providing and applying Plaster of Paris Putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete. | Sqm | 560 | | |
| 47 | 18.48 | Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI :12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and over flow pipes but without fittings and the base support for tank. | Per ltr. | 2000 | | |
| 48 | 15.3 | Demolishing R.C.C. work manually / by mechanical means including stacking of serviceable bars and disposal of un-serviceable material within 50 mtrs lead .. | Cum | 1.2 | | |
| 49 | 17.36 | Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement: 2 fine sand) in S.C.I /C.I pipes : 1.) 75mm dia pipe 2.) 100 mm dia pipe | Each Each | 5 5 | | |
| 50 | 17.59 | Providing and fixing M.S stays and clamps for sand cast iron/ centrifugally cast (spun) iron pipes of diameter : 1.) 100 mm 2.) 75 mm | Each Each | 3 3 | | |
| 51 | 10.26.3 | Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works , including applying priming coat of approved steel primer. G.I pipes | Kg | 45 | | |
| 52 | 16.27 | Surface dressing on old surface with hot bitumen of grade VG- 10 of approved quality using 1.95 kg of bitumen per Sqm with 1.50 cum of stone chippings 11.2mm nominal size per 100 Sqm of road surface, | Sqm | 250 | | |

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| | | including consolidation with road roller of 6 to 8 ton capacity, etc. complete. | | | | |
| 53 | Job | Finishing outer walls of shaft and tank of 18000 Glns capacity O.H.T, 4 mtrs diameter shaft and staging height 18 mtrs with water proofing cement paint of approved brand and required shade. | Job | 1 | | |
| 54 | Job | Cleaning of Polyethylene storage tank of 1.) 1500/2000 ltrs capacity 2.) 500 ltrs capacity | Each Each | 28 24 | | |
| 55 | Job | Cleaning of 18000 Glns capacity ground surface reservoir. | Job | 1 | | |
| 56 | Job | In-Situ welding to damage hinges, locking handles including setting of M.S window shutters. | Each | 70 | | |
| 57 | Job | Replacement of brass splendors (Face) heavy duty of leaking bib cocks | Each | 30 | | |
| 58 | 18.10 | Providing and fixing G.I Pipes complete with G.I fittings and clamps, I/c cutting and making good the walls etc. 1) 15 mm dia nominal bore 2) 20 mm dia nominal bore 3) 25 mm dia nominal bore 4) 40 mm dia nominal bore 5) 50 mm dia nominal bore | Meter | 100 50 25 25 25 | | |
| 59 | 18.18 | Providing and fixing ball valve(brass) of approved quality, high or low pressure with plastic floats complete. 1) 15 mm nominal bore. 2) 20 mm nominal bore. | Each Each | 5 12 | | |
| 60 | 18.21 | Providing and fixing un-plasticized PVC connection pipe with brass union 15 mm nominal bore. 1) 30 cm length. 2) 45 cm length. | Each Each | 12 18 | | |
| 61 | 18.46 | Providing and fixing G.I union in G.I pipe including cutting and | | | | |

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| | | threading the pipe and making long screw etc. complete (New work). 1) 15 mm nominal bore. 2) 20 mm nominal bore. | Each Each | 6 3 | | |
| 62 | 18.15 | Providing and fixing brass bib cock of approved quality 15 mm nominal bore. | Each | 6 | | |
| 63 | 18.16 | Providing and fixing brass stop cock of approved quality 15 mm nominal bore. | Each | 6 | | |
| 64 | 18.17 | Providing and fixing gun metal gate valve with C.I wheel of approved quality (screwed end) . 1) 25 mm nominal bore. 2) 40 mm nominal bore. | Each Each | 2 2 | | |
| 65 | 18.49 | Providing and fixing C.P brass bib cock of approved quality confirming to IS 8931, 15 mm nominal bore. | Each | 6 | | |
| 66 | 18.51 | Providing and fixing C.P brass long body bib cock of approved quality confirming to IS standards and weighing not less than 690 gram 15 mm nominal bore. | Each | 6 | | |
| 67 | 18.52 | Providing and fixing C.P brass stop cock (concealed) of standard design and approved make confirming to IS 8931, 15 mm nominal bore | Each | 3 | | |
| 68 | 18.53 | Providing and fixing C.P brass angle valve for basin mixer and geyser points of approved quality confirming to IS 8931, 15 mm nominal bore | Each | 12 | | |
| 69 | 18.57.1 | Providing and fixing PTMT push cock of approved quality and colour 15 mm nominal bore, 98 mm long weighing not less than 75 gram | Each | 24 | | |
| 70 | 18.56.1 | Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore 107 mm long weighing not less than 110 gram. | Each | 12 | | |
| 71 | 21.12 | Providing and fixing aluminum tubular handle bar 32 mm outer dia, 3 mm thick and 2100 mm long with S.S screws etc. complete. Anodized | Each | 6 | | |

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| | | (AC 15) aluminum tubular handle bar. | | | | |
| 72 | 21.16 | Providing and fixing aluminum round shape handle of outer dia 100 mm with S.S screws etc. complete. Anodized (AC 15) aluminum. | Each | 12 | | |
| 73 | 17.8 | Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings. | Each | 3 | | |
| 74 | 17.7.4 | Providing and fixing wash basin with C.I brackets, 15 mm C.P brass pillar taps 32 mm C.P brass waste of standard pattern including painting of fittings and brackets, cutting and making good the walls wherever reqd. White Vitreous china flat back wash basin size 550 400 mm with single 15 mm C.P brass pillar tap. | Each | 3 | | |
| 75 | 17.13.2 | Providing and fixing white vitreous china water closet squatting pan (Indian type) Orissa pattern W.C pan of size 580 440 mm | Each | 3 | | |
| 76 | 17.15 | Providing and fixing white vitreous china pedestal type (European type /wash down type) water closet pan. | Each | 3 | | |
| 77 | 17.18.1 | Providing and fixing P.V.C low level flushing sistern with manually controlled device (handle lever) conf. To IS 7231, with all fittings and fixtures complete. 10 ltrs. Capacity- white | Each | 6 | | |
| 78 | 17.20.1 | Providing and fixing solid plastic seat with lid for pedestal type W.C Pan complete White solid plastic seat with lid. | Each | 8 | | |
| 79 | 17.22 | Providing and fixing G.I inlet connection for flush pipe connecting with W.C pan | Each | 6 | | |
| 80 | 17.28 | Providing and fixing P.V.C waste pipe for sink or wash basin including PVC waste fittings | | | | |

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| | | complete. 1) 32 mm dia 2) 40 mm dia | Each Each | 12 24 | | |
| 81 | 17.38 | Providing and fixing bend of required degree with access door, insersion rubber washer 3 mm thick , bolts and nuts complete sand cost iron S&S as per IS 1729 100 mm dia sand cost iron S&S as per IS 1729 75 mm dia | Each Each | 6 6 | | |
| 82` | 17.56 | Providing and fixing terminal guard 100 mm sand cost iron S&S as per IS 1729 75 mm sand cost iron S&S as per IS 1729 | Each Each | 3 3 | | |
| 83 | 17.57 | Providing and fixing Collar 100 mm sand cost iron S&S as per IS 1729 75 mm sand cost iron S&S as per IS 1729 | Each Each | 3 3 | | |
| 84 | 18.13 | Making connection of G.I distribution branch with G.I Main of following sizes by providing and fixing Tee, including cutting and threading the pipe etc. complete 1) 25 to 40 mm nominal bore 2) 50 to 80 mm nominal bore | Each Each | 2 1 | | |
| 85 | 17.69.2 | Providing and fixing PTMT waste coupling for wash basin and sink, 38 mm dia, 83 mm length and 77 mm breadth, weighing not less than 60 gram | Each | 3 | | |
| 86 | 21.2.1 | Providing and fixing 12 mm thick pre-laminated particle board flat pressed three layer or graded wood particle board confirming to IS 12823 GradeI Type II in panelling fixed in aluminum doors, windows shutters and partition frames with C.P brass / stainless screws etc complete. Pre-laminated particle board with | Sqm | 4 | | |

| | | | | | | |
|----|------|--|------|------|--|--|
| | | decorative lamination on one side and balancing lamination on other side. | | | | |
| 87 | 13.4 | 12 mm cement plaster of mix 1:4 (1 cement: 4 coarse sand) | Sqm | 60 | | |
| 88 | 13.5 | 15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement: 4 coarse sand) | Sqm | 60 | | |
| 89 | 14.4 | Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, floorings and jambs complete to match existing surface including disposal of mulba to nearest municipal dumping ground. For door/ window/clerestory window | Sqm | 3.50 | | |
| 90 | 14.2 | Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts embedding holdfasts in cement concrete blocks of size 15 10 10 cm with cement concrete 1:3:6, painting two coats of wood preservative to sides of chowkhats and making good to damages to walls and floors as required complete including disposal of rubbish within 50 mtrs lead. | | | | |
| | I | Door chowkhats | Each | 1 | | |
| | II | Window Chowkhats | Each | 1 | | |
| | III | clerestory window Chowkhats | Each | 1 | | |
| 91 | | Fixing of cooler/A.C properly in the existing pressed steel window frame by way of cutting the vertical member with the help of welding machine and re-fixing the same as per the size of cooler/ A.C including setting of window shutters properly including painting | Each | 10 | | |
| 92 | 0123 | Supply of 1) Mason first class | Each | 12 | | |
| | 0111 | 2) Carpenter first class | Each | 12 | | |

| | | | | | | |
|----|------|--|------|----|--|--|
| | 0114 | 3) Beldar/ Coolie/Mazdoor | Each | 24 | | |
| 93 | | Any other item not covered under this BOQ but found necessary to be executed at site shall be paid as per rates of DSR 2012 plus the cost index in-force . | | | | |

BOQ

**For A.R.M. Electrical Work- ESIC Model Hospital and its residential colony at Bari Brahmana,
Jammu-181133
(For a year)**

| Sl. No. | D.S.R. 2012 Item No. | Description of Item | Unit | Quantity | Rate to be quoted by the tenderer | Amount |
|---------|----------------------|---|------|----------|-----------------------------------|--------|
| 1 | 1.25 | Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required | Each | 15 | | |
| 2 | 1.29 | Supplying and fixing metal box of 150mm 75 mm 60 mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 Ampere socket outlet and 5/6 Ampere piano type switch, connections, painting etc as required(for light plug to be used in non-residential buildings) | Each | 10 | | |
| 3 | 1.30 | Supplying and fixing metal box of 180 mm 100 mm 60 mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 and 15/16 Ampere socket outlets and 15/16 Ampere piano type switch, connections, painting etc as required | Each | 10 | | |
| 4 | 1.34 | Supplying and fixing brass batten / angle holder including connections etc as required | Each | 10 | | |
| 5 | 1.35 | Erection of wall bracket/ ceiling fitting of all sizes and shapes containing upto two GLS lamps per fitting complete with all accessories including connection etc. as | Each | 15 | | |

| | | | | | | |
|----|--------|--|-------|----|--|--|
| | | required | | | | |
| 6 | 1.38 | Supplying and fixing call bell / buzzer suitable for single phase 230 volts complete as reqd. | Each | 5 | | |
| 7 | 1.44 | Installation, testing and commissioning of ceiling fan including wiring the down rods of standard length (upto 30 cm) with 1.5 Sq mm FR PVC insulated copper conductor single core cable etc. as required | Each | 20 | | |
| 8 | 1.45 | Installation, testing and commissioning of ceiling fan including wiring the down rods of standard length (upto 30 cm) with 1.5 Sq mm FR PVC insulated copper conductor single core cable including providing and fixing phenolic laminated sheet cover on the fan box etc. as required | Each | 10 | | |
| 9 | 1.49 | Numbering of ceiling fan/exhaust fan fluorescent fittings as required | Each | 20 | | |
| 10 | 1.50 | Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc as required | | | | |
| | 1.50.1 | Upto 450 mm sweep | Each | 10 | | |
| | 1.50.2 | Upto 510 mm sweep | Each | 10 | | |
| | 1.51 | Extra for fixing the louvers/shutters complete with frame for a exhaust fan of all sizes. | Each | 10 | | |
| 11 | 1.14 | Wiring for circuit / sub main wiring along with earth wire with the following sizes of FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit as required. | | | | |
| | 1.14.1 | 2 1.5 Sq mm + 1 1.5 Sq mm earth wire. | Metre | 30 | | |
| | 1.14.2 | 2 2.5 Sq mm + 1 2.5 Sq mm earth wire. | Metre | 30 | | |
| | 1.14.3 | 2 4 Sq mm + 1 4 Sq mm earth wire. | Metre | 20 | | |

| | | | | | | |
|----|--------|---|-------|-----|--|--|
| | 1.14.4 | 2 6 Sq mm + 1 6 Sq mm earth wire. | Metre | 20 | | |
| | 1.14.5 | 2 10 Sq mm + 1 10 Sq mm earth wire. | Metre | 20 | | |
| | 1.14.6 | 2 16 Sq mm + 1 16 Sq mm earth wire. | Metre | 20 | | |
| 12 | 2.10 | Supplying and fixing 5 amps to 32 amps rating, 240 /415 volts, C curve miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required. | | | | |
| | 2.10.1 | Single pole | Each | 5 | | |
| | 2.10.2 | Single pole and neutral | Each | 10 | | |
| | 2.10.4 | Triple pole | Each | 5 | | |
| | 2.10.5 | Triple pole and neutral | Each | 10` | | |
| 13 | 1.15 | Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 Sqmm FR PVC insulated copper conductor single core cable and 1.5 Sqmm FR PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel conduit including dismantling as required. | | | | |
| | 1.15.2 | Group B | Point | 10 | | |
| 14 | 1.16 | Rewiring for twin control light point with 1.5 Sqmm FR PVC insulated copper conductor single core cable and 1.5 Sqmm FR PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel conduit including dismantling as required. | Point | 5 | | |
| 15 | 1.21 | Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required . | | | | |
| | 1.21.1 | 20 mm | Metre | 20 | | |
| | 1.21.2 | 25 mm | Metre | 20 | | |
| | 1.21.3 | 32 mm | Metre | 20 | | |
| | 1.21.4 | 40 mm | Metre | 20 | | |

| | | | | | | |
|----|--------|--|-------|-----|--|--|
| | 1.21.5 | 50 mm | Metre | 15 | | |
| 16 | 1.23 | Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections as required | | | | |
| | 1.23.1 | 5/6 amps switch | Each | 10 | | |
| | 1.23.3 | 15/16 amps switch | Each | 10 | | |
| | 1.23.4 | 3 pin 5/6 amp socket outlet | Each | 10 | | |
| | 1.23.5 | 6 pin 15/16 amp socket outlet | Each | 10 | | |
| | 1.23.6 | Telephone socket outlet | Each | 5 | | |
| | 1.23.8 | Bell push | Each | 10 | | |
| | LMR | 3 pin 5/6 amp. Top | Each | 20 | | |
| | LMR | 3 pin 15/16 amp. Top | Each | 20 | | |
| | LMR | Capacitor for fans 2.5 mf | Each | 20 | | |
| | LMR | Capacitor for exhaust fan/ air cooler upto 6 MF | Each | 20 | | |
| | LMR | PVC Gang Box for fixing of sockets / switch | | | | |
| | | 1) 5/6 Ampere | Each | 10 | | |
| | | 2) 15/16 Ampere | Each | 10 | | |
| 17 | 1.28 | Supplying and fixing following modular base and cover plate on existing modular metal boxes etc. as required. | | | | |
| | 1.28.1 | 1 or 2 Module | Each | 4 | | |
| | 1.28.3 | 4 Module | Each | 4 | | |
| | 1.28.4 | 6 Module | Each | 4 | | |
| | 1.28.5 | 8 Module | Each | 4 | | |
| 18 | LMR | Supplying and fixing of MS plate 3 mm thick welded with angle iron 50 50 6 mm over the cable duct as cover inside the rooms of the power station including cutting, grinding edges, fabrication, making holes etc as required. | Kg | 300 | | |
| 19 | | Any other item not covered under this BOQ but found necessary to be executed at site shall be paid as per rates of DSR 2012 plus cost index in force. | | | | |

Manpower requirement

Manpower for electrical maintenance work for one year.

| Sr. No. | Man power category | Number | Rate per month per person to be quoted by the tenderer | Amount |
|---------|--|--------|--|--------|
| 1 | Wire man, Electrical com generator/pump operator. (1 for each shift.) | | | |
| | (i) I.T.I. Electrician | 1 | | |
| | (ii) Non ITI certified electrician | 2 | | |
| 2 | Helper (for day shift) | 1 | | |

Total amount for one month _____

Total amount for one year _____