



**HEADQUARTERS  
EMPLOYEES' STATE INSURANCE CORPORATION  
PANCHDEEP BHAVAN: C.I.G. ROAD, NEW DELHI-10002.**

**Notice Inviting Tender for ARM work during (2019 – 20)**

**Name of Work :** *Comprehensive Annual Repairs and Maintenance ( ARM ) of ESIC Model Hospital, Basaidarapur, New Delhi campus along with Nine ( 9 ) Dispensaries at Raghbir Nagar ( including staff quarters ), NIA Karampura, I – Block Karampura Mayapuri – I ( including Branch Office ) & Mayapuri – II, Madipur, Inderlok, Dwarka ( including Branch Office ) and Shastri Nagar ( including Branch Office ) in NCT of Delhi during 2019 – 20.*

## Important Instructions for Bidders regarding Online Payment

All bidders/contractors are required to procure Class-III B Digital Signature Certificate (DSC) with Both DSC Components i.e. Signing & Encryption to participate in the ETenders. Bidders should get Registered at <https://esictenders.eproc.in>.

Bidders should add the below mentioned sites under Internet Explorer Tools

Internet Options Security Trusted Sites Sites of Internet Explorer:

<https://esictenders.eproc.in>

<https://www.tpsl-india.in>

<https://www4.ipg-online.com>

Also, Bidders need to select “Use TLS 1.1 and Use TLS 1.2” under Internet Explorer

Tools Internet Options Advanced Tab Security.

Bidder needs to submit Bid Processing Fee charges of Rs. 2495/- (non-refundable) in favour of M/s. C1 India Pvt. Ltd., payable at New Delhi via Online Payment Modes such as Debit Card, Credit Card or NetBanking for participating in the Tender.

Bidders can contact our Helpdesk at <https://esictenders.eproc.in/html/Support.asp>

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**EMPLOYEES' STATE INSURANCE CORPORATION  
REGIONAL OFFICE, RAJENDRA BHAWAN  
RAJENDRA PLACE, NEW DELHI - 110008**

**PRESS NOTICE**

The Regional Director, ESI Corporation, Regional Office, Delhi invites on behalf of the Director General, ESI Corporation online percentage rate tender ( in two bids ) through e-tendering mode from reputed, qualified, experienced, technically and financially sound firms / contractors for ARM work as detailed below :

NIT No. : 11-W/17/15/2019/NIT Basai / Const.

*Name of Work : Comprehensive Annual Repairs and Maintenance ( ARM ) of ESIC Model Hospital, Basaidarapur, New Delhi campus along with Nine ( 9 ) Dispensaries at Raghbir Nagar ( including staff quarters ), NIA Karampura, I – Block Karampura Mayapuri – I ( including Branch Office ) & Mayapuri – II, Madipur, Inderlok, Dwarka ( including Branch Office ) and Shastri Nagar ( including Branch Office ) in NCT of Delhi during 2019 – 20.*

The bid forms and other details can be obtained from the website [esictenders.eproc.in](http://esictenders.eproc.in). This Tender is also available on [esictenders.eproc.in](http://esictenders.eproc.in) & [www.esic.nic.in](http://www.esic.nic.in) / tenders.

Addl. Commissioner – Cum - **Regional** Director



**EMPLOYEES' STATE INSURANCE CORPORATION  
REGIONAL OFFICE, RAJENDRA BHAWAN  
RAJENDRA PLACE, NEW DELHI - 110008**

**NOTICE INVITING e – TENDER**

The Regional Director, ESI Corporation, Regional Office, Delhi invites on behalf of the Director General, ESI Corporation online percentage rate tender ( in two bids ) through e-tendering mode from reputed, qualified, experienced, technically and financially sound firms / contractors for ARM work as detailed below :

S.No.	Particulars	Details
1	Name of work	<i>Comprehensive Annual Repairs and Maintenance ( ARM ) of ESIC Model Hospital, Basaidarapur, New Delhi campus along with Nine ( 9 ) Dispensaries at Raghbir Nagar ( including staff quarters ), NIA Karampura, I – Block Karampura Mayapuri – I ( including Branch Office ) &amp; Mayapuri – II, Madipur, Inderlok, Dwarka ( including Branch Office ) and Shastri Nagar ( including Branch Office ) in NCT of Delhi during 2019 – 20.</i>
2	Estimated Cost	Rs. 7,92,97,588/-
3	Earnest Money Deposit	Rs. 15,85,952/-
4	Period of Work	12 Months
5	Availability of e - Tender / Bid document	<a href="http://esictenders.eproc.in">esictenders.eproc.in</a> and <a href="http://www.esic.nic.in">www.esic.nic.in</a>  From 13.03.2019 To 26.03.2019
6	Last date and time of online submission of bid	Up to 26.03.2019Till 3:00 pm
7	Date and Time of opening of	On 26.03.2019at 3:30 pm

	Technical Bids	
8	Date and Time of opening of Financial Bids	Shall be communicated to only technically qualified bidders subsequently.
9	Period during which hard copies ( in original ) of DD / Pay Order for EMD, Registration Certificates and other documents to be submitted to Regional Office by the Lowest Tenderer Only	To be submitted during office hours within a week from the date of opening of Financial Bid. In case the last day happens to be closed holiday, these documents shall be submitted on the next working day.

Any change in the tender shall be uploaded in the below mentioned website only, hence the tenderers may visit the website regularly ( [www.esictenders.eproc.in](http://www.esictenders.eproc.in) & [www.esic.nic.in](http://www.esic.nic.in) ) to make themselves aware about the information related to the bidding.

**ADDL. COMMISSIONER – CUM - REGIONAL DIRECTOR**

**Information and Instructions to Bidders**

1. The percentage rate offers from intending and eligible bidders are invited under in the prescribed forms and format through online mode only for providing comprehensive Annual Repair and Maintenance Services as described under scope of services in the bid document.
2. Bidder means the individual, proprietary firm, firm in partnership, limited company private or public or corporation. Joint Venture Firms / Companies are not eligible for participating in this bid.
3. The bidder must have Class -IIB Digital Signature Certificate ( DSC ) having signing and encryption facilities to participate in this e – tendering process and should get registered at <https://esictenders.eproc.in> . Non – refundable bid processing fee of Rs. 2,495/- ( Rupees Two Thousand Four Hundred Ninety Five Only ) is required to be paid for participating in the e – tendering process in favour of M/s C1 India Pvt. Ltd., payable at New Delhi through such Online Payment Modes as Debit / Credit Card or Net Banking. In case of any issues regarding e – tendering, bidder can contact the e – tendering service provider at “[https://esictenders.eproc.in / html/support.asp](https://esictenders.eproc.in/html/support.asp)”.

4. **Eligibility Criteria**

- (i) The Bidder should have following work experience during last seven ( 7 ) years ending March, 2018 :  
Three similar completed works each costing not less than Rs. 317.00 Lakhs

**OR**

Two similar completed works each costing not less than Rs. 476.00 Lakhs

**OR**

One similar completed work of aggregate cost not less than Rs. 634.40 Lakhs

Similar work shall mean works of :

*Comprehensive Civil & Electrical maintenance of Hospitals Campus / Dispensaries Premises having attached Residential Buildings and other ancillary structures including services.*

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the previous day of last date of submission of bid.

- (ii) Should have an average annual financial turnover of Rs. 397.00 Lakhs on maintenance works during the last three financial years (2015 – 16, 2016-17 & 2017 – 18 ) ending 31st March 2018.

- (iii) Should have a solvency of Rs. 317.00 Lakhs certified by his Bankers.
5. The Earnest Money Deposit ( EMD ) for Rs. 15,85,952/- ( Rupees Fifteen Lakhs Eighty Five Thousand Nine Hundred Fifty Two Only ) should be paid in the form of Demand Draft / Pay Order, drawn from any Scheduled Bank in favour of “ **ESI Fund A/C No. 1**” payable at New Delhi. EMD of unsuccessful bidder will be returned / refunded within one month after the award of the work to the successful bidder.
  6. The bids need to be submitted along with all required and relevant documents related to works experience, financial strength etc. as per the requirement of bid documents duly authenticated / signed by the bidder. In complete bid is liable to be rejected.
  7. Delayed / late and submission of bids by any other mode other than online mode bids will not be accepted and summarily rejected.
  8. Conditional bid will not to be accepted and liable to the summarily rejected.
  9. The intending bidders must read the terms and conditions of the bid document and satisfy himself fully with regard to their eligibility vis – a – vis eligibility criteria as given in para – 3 above and other pre - requirements before submitting the bids.
  10. The tender for the work shall remain open for acceptance by ESI Corporation for a period 90 days from the date of opening of the tender / bid.
  11. ESI Corporation reserves the right to accept or reject any bid or annul the whole bidding process without assigning any reason whatsoever.
  12. The bid submitted shall become invalid if:
    - (i) The bidder is found ineligible vis – a – vis eligibility criteria.
    - (ii) EMD of requisite amount and in the prescribed manner is not deposited by the bidder.
    - (iii) The bidder does not upload all the documents as required under the bid.
    - (iv) Any discrepancy is noticed between the soft (as uploaded online ) and hard copies ( submitted by the lowest bidder physically in ESIC ).
  13. The bidder must ensure to quote the percentage above or below to two places of decimal only both in figures as well as in words. The total amount of the offer corresponding to the percentages quoted by the bidder shall also be mentioned both in words and figures.
  14. Technical bid documents submitted by the eligible and intending bidders shall be opened only for those bidders whose EMD and other required documents / certificates etc. are found in order.
  15. Financial bids submitted by the eligible and intending bidders shall be opened only for those bidders who are found qualified based on technical bids. The financial bid shall be opened at the notified time, date and place in the presence of qualified bidders or their representatives, if they wish to be present.
  16. ESIC reserves the right to verify the particulars furnished by the bidder independently and if any information furnished by the bidder is found incorrect at a later stage, the Agency shall be liable to be debarred from tendering / taking up works in ESIC.
  17. The list of documents to be scanned and uploaded within the period of bid submission :



- (i) Copy of EMD.
- (ii) Letter of Transmittal.
- (iii) Certificate of Work Experience as per Form – A.
- (iv) Performance Certificate of Work Experience as per Form – B.
- (v) Certificate of Financial Turnover from Chartered Accountant as per Form – C.
- (vi) Details of organizational structure of the bidder as per Form – D.
- (vii) Certificate of Registration for Goods and Service Tax (GST).
- (viii) Any other documents as specified in the bid documents.
- (ix) Pan Card
- (x) Valid ESIC Registration Certificate.
- (xi) Valid EPF Registration Certificate.
- (xii) Copy of valid Electrical contract license from Delhi Government.
- (xiii) Copy of solvency of Rs. 317.00 Lakhs certified by his Bankers.
- (xiv) Copy of Valid Registration of the firm from Government Bodies / Departments like CPWD/State PWD/MES/Railways etc.

18. The bid is invited from the intending and eligible bidders for twelve (12) months during financial year 2019 – 20 with effective from 1<sup>st</sup> April, 2019. However, depending upon the satisfactory performance, the tenor of the contract agreement may be extended further up to twelve (12) months or part thereof with the mutual consent of ESI Corporation and the contractor / agency.

19. The site for the work is available as the ARM work is to be carried out in the running hospital / dispensary buildings and their premises having residential buildings and other ancillary structures. The prospective eligible bidders are advised to inspect and examine the concerned hospital / dispensary premises to acquaint themselves about the various aspects related to ARM works to be carried out by them and satisfy themselves before submitting their bids with full awareness. The bidders are also expected to critically examine the premises from the point of view of its nature, means of access, the accommodation they may require, risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidders implies that he has read this notice and all other bid document and has made himself fully aware about the scope and specifications of the work to be done and local conditions and other factors having a bearing on the execution of this ARM work.

20. Brief scope of services :

The prospective bidder is supposed to provide comprehensive maintenance services to the entire hospital complex including attached dispensaries as mentioned in the name of work by way of deployment of required manpower as specified in the bid document and also doing all such works as defined / specified / stipulated in the technical and financial bid documents and elsewhere.

## Re e-Tender

21. The bidder whose bid is accepted will be required to furnish Performance Guarantee ( PG ) of 5% (Five Percent) of the bid amount within 10 days of the acceptance of the bid in the form of Bank Guarantee from any Scheduled Bank as per format prescribed in the bid document. If the successful bidder fails to deposit the said performance guarantee within the prescribed period of 10 working days including the extended period of 3 more working days, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. However, EMD shall be returned after receiving the PG.
22. In addition to PG, Security Deposit ( SD ) equal to 5 % of the cost of work shall be deducted by ESIC from the running and final bills of the Contractor towards fulfilment of contractual obligation on the part of Contractor. SD shall be released after successful completion of the contract in all respects and settlement of final claims by ESIC.
23. The bidder whose bid is accepted will be required to furnish *either copy of applicable Licenses / Registrations or proof for applying for obtaining Labour Licenses and Registration with EPFO, ESIC and BOCW Welfare Board. The registration with EPFO and Labour License are mandatory if 20 or more labour is employed in any day in the preceding one year whereas registration with ESIC and BOCW Welfare Board is mandatory if 10 or more labour is employed in any day in the preceding one year. On acceptance of the tender, the name(s) of the authorized representative of the contractor shall be communicated in writing to ESIC by the Contractor, **who would be responsible for taking instructions from ESIC.***
24. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection summarily. Such bidders may not be allowed to participate in the bidding process for ESIC works in future also.
25. The tender for the works shall remain open for acceptance for a period of sixty ( 60 ) days from the date of opening of eligibility bid. If any bidder withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the ESIC shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the re-tendering process of the work.
26. All information called for in the enclosed forms should be furnished against the relevant columns in the forms. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against the relevant column. Even if no information is to be provided in a column, a "nil" or "no such case" entry should be made in that column. If any particulars/query is not applicable in case of the bidder, it should be stated as "not applicable". The bidders are cautioned that not giving complete information called for in the application forms or not giving it in clear terms or making any change in the prescribed forms or deliberately suppressing the information may result in the bid being summarily disqualified.
27. Pages of the eligibility document are numbered. Additional sheets, if any added by the contractor, should also be numbered by him. They should be submitted as a package with signed letter of transmittal.
28. References, information and certificates from the respective clients certifying suitability, technical knowledge or capability of the bidder should be signed by an officer not below the rank of Executive Engineer or equivalent.
29. The bidder may furnish any additional information which he thinks is necessary to establish his capabilities to successfully complete the envisaged work. He is, however, advised not to furnish

superfluous information. No information shall be entertained after submission of technical bid document unless it is called for by the Employer.

30. Method of Application:

- (i) If the bidder is an individual, the application shall be signed by him above his full type written name and current address.
- (ii) If the bidder is a proprietary firm, the application shall be signed by the proprietor above his full typewritten name and the full name of his firm with its current address.
- (iii) If the bidder is a firm in partnership, the application shall be signed by all the partners of the firm above their full typewritten names and current addresses, or, alternatively, by a partner holding power of attorney for the firm. In the latter case a certified copy of the power of attorney should accompany the application. In both cases a certified copy of the partnership deed and current address of all the partners of the firm should accompany the application.
- (iv) If the bidder is a limited company or a corporation, the application shall be signed by a duly authorized person holding power of attorney for signing the application accompanied by a copy of the power of attorney. The bidder should also furnish a copy of the Memorandum of Articles of Association duly attested by a Public Notary.

31. The Agreement shall be signed between ESIC and the successful Bidder within 15 days after the acceptance of his bid by ESIC on prescribed format which is being given in the bid document. All the documents of the bid document shall form part of the contract document including Integrity Packed Agreement for which format is also being provided in the bid document.

32. Integrity Agreement :

It is here by declared that ESIC is committed to follow the principle of transparency, equity and competitiveness in procurement of services. The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the Integrity Agreement, which is an integral part of tender / bid documents, failing which the tenderer / bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected. This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the ESIC.

33. All tendered rates shall be inclusive of taxes, GST, levies or cess as applicable on last date of receipt of tender including extension, if any. However, effect of variation in rates of taxes or cess due to change in legislation occurred after receipt of tender / bid shall be adjusted on either side i.e. increase or decrease, as the case may be.

34. Bid evaluation and award criteria

- (i) First of all technical bid containing informations as provided by bidder with regard to work experience, financial capability / soundness, organizational structure etc. viz. Forms – A,B,C,D & E and other relevant input informations shall be opened and evaluated vis – a – vis eligibility criteria as stipulated in the bid document. A list of qualified agencies would be prepared by ESIC and such agencies would be intimated regarding opening of their financial bid. The financial bids of such agencies which could not be found qualified based on evaluation of their technical bid, would not be opened.

**Re e-Tender**

- (ii) Financial bid containing informations provided by the bidder by way of quoting rates in percentage below or above the estimated cost of the five segments of ARM work through five ( 5 ) Financial Bid Forms viz. Workmen Deployment Schedule ( FB – 1 ), Supply of materials to be used for maintenance under civil work including plumbing and horticulture ( FB – 2 ), Supply of materials to be used for maintenance under electro - mechanical work ( FB – 3 ), wholesome Items to be executed for maintenance under civil including plumbing and horticulture work ( FB – 4 ) and wholesome items to be executed for maintenance under electro - mechanical work ( FB – 5 ) shall be opened and evaluated by ESIC for the purpose of selecting the successful bidder based on their quoted percentages.
- (iii) ESIC reserves the right without being liable for any damages or obligation to inform the bidder to either amend the scope and value of the contract or reject any or all the applications without assigning any reason.

Contract Agreement

**(To be signed between ESIC and the Contractor on Non – Judicial Stamp Paper of minimum Rs. 100/-)**

This Agreement ( hereinafter referred to as the “Contract Agreement” ) is made on ..... between Employees’ State Insurance Corporation ( hereinafter call the ‘Client’ or “ESIC”, which expression shall unless repugnant to the context or meaning thereof, include its administrators, successors and permitted assigns ) of the One Part and M/s ..... ( hereinafter called the ‘Contractor’ which expression shall unless repugnant to the context or meaning thereof, include its administrators, successors and permitted assigns ) of the Other Part ( the client and the Contractor are hereinafter collectively referred to as “Parties” and singly as “First Party and “Second Party” respectively ).

Whereas

- A. The Client is desirous of getting its Hospital and Dispensary premises / complexes comprehensively maintained so as to ensure uninterrupted medicare facilities to ESI beneficiaries through competent and eligible Agencies / Firms of repute in this field. The main scope of the work is described in Client’s requirements.
- B. The Contractor has participated in the bidding process ( conducted by the Client through e-tendering mode ) based on their professional expertise and having possessed the required technical competence and financial capability for fulfilling the requirements of the Client.
- C. The Client after due evaluation of the bids has agreed to award the contract for the work of “ Comprehensive Annual Repairs and Maintenance ( ARM ) of ESIC Model Hospital, Basaidarapur, New Delhi campus along with Nine ( 9 ) Dispensaries at Raghubir Nagar ( including staff quarters ), NIA Karampura, I – Block Karampura Mayapuri – I ( including Branch Office ) & Mayapuri – II, Madipur, Inderlok, Dwarka ( including Branch Office ) and Shastri Nagar ( including Branch Office ) in NCT of Delhi during 2019 – 20” to M/s ..... subject to and on terms and conditions set forth in this Contract Agreement.

NOW THEREFORE, THE PARTIES HERETO HEREBY AGREE AND THIS CONTRACT WITNESSTH AS FOLLOWS :

**1. Definitions and Interpretation**

In the Contract, the following words and expressions shall have the meanings hereby assigned to them except where the context otherwise requires :

- (i) “ Employer” means the ESIC and the legal successors in title to ESIC.
- (ii) “Engineer” means the person appointed by ESIC to act as Engineer for the purposes of the Contract.
- (iii) “Contractor” / bidders / Tenderer means an individual or firms ( proprietary or partnership ) whether incorporated 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.

## **Re e-Tender**

- (iv) Market Rate shall be the rate as decided by the Engineer on the basis of the cost of the materials and labour at the site where the work is to be executed plus the percentage to cover all overheads and profits as mentioned in Particular Conditions of Contract ( PCC ).
- (v) “ Contract” shall mean this Contract Agreement together with all Appendices and other relevant documents in accordance with the provisions contained in this regard in this Contract.
- (vi) “Contract Price” shall mean the quoted price / amount by the Contractor in the financial bid and agreed between the Parties.
- (vii)“Drawings” means all the completion drawings, calculations and technical information of a like nature provided by the Engineer to be Contractor under the Contract and all drawings, calculations, samples, patterns, model Repair and Repair and Maintenance manuals and other technical information of a like nature submitted by the contractor and approved by the Engineer.
- (viii) “Bill of Quantities”” means the priced and completed bill of quantities Forming part of the tender / bid.
- (ix) “Tender”” means the Contractor’s priced offer to the Client for the execution and completion of the works and the remedying of any defects therein in accordance with the provisions of the contract, as accepted by the Letter of Acceptance. The work Tender is synonymous with “Bid” and the words “Tender Documents”” with “Bidding Documents”.
- (x) Client’s Requirements shall mean the broad requirements of ESIC set forth in Appendix ‘A’ hereto and which in relation to the ARM work, are required to be fulfilled and complied with by the Contractor in terms of this Contract.
- (xi) General Conditions of Contract or GCC shall mean the General Conditions of Contract as set forth in Appendix – ‘B’ to this Contract.
- (xii)Particular Conditions of Contract or PCC shall mean the particular conditions of Contract as set forth in Appendix – ‘C’ to this Contract.

## **2. Time for Completion**

The Repair and Maintenance work shall be for a period of one year or as mentioned in the letter of commencement and shall start from the date issue of letter commencement and shall stand terminated after the expiry of one year unless it is mutually extended.

## **3. Extension of Time for Completion**

The Repair and Maintenance contract may be extended on the written mutual consent of both Employer and Contractor for a further period of one year. However, employer reserves it’s right to terminate the Repair and 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 employer or it's representative. No escalation payment shall be made by ESIC either during initial contract period of one year or in extended period and the work shall have carried out by the Contractor as the same price / cost as quoted by higher earlier under the ambit of the Contract Agreement.

4. ARM work shall mean the sum of the obligations and works to be performed and undertaken by the contractor including planning, safety precautions, required tools, tackles and plants and the completion of individual item of work in all respects under and in accordance with the Contract and shall include all materials and things to be supplied / done and services and activities to be performed or provided by or which may be reasonably implied therefrom and necessary for execution and completion of the work by the Contractor pursuant to and in accordance with this Contract.
5. No modifications or amendment to this Contract including any of the Appendices hereto shall be valid and effectual unless expressly agreed as an amendment thereto and is in writing and dated and duly executed by the authorized representatives of the Parties thereto.
6. In the event of any conflict or inconsistency between any provision of this Contract Agreement and any of the Appendices, the provisions of this Contract shall prevail.
7. In the event of any conflict or inconsistency between any provisions of PCC and GCC, the provisions of PCC shall prevail.
8. This Contract Agreement and the following documents attached hereto shall be deemed to form an integral part of this Contract.
  - (i) This Contract Agreement
  - (ii) ESIC Requirements – Appendix 'A'.
  - (iii) GCC – Appendix 'B'
  - (iv) PCC – Appendix 'C'
  - (v) Instructions to Bidders
  - (vi) Integrity Pact / Agreement
  - (vii) Letter of Transmittal and Tender
  - (viii) Technical and Financial Bids
9. This Contract Agreement and all the documents forming part of this Contract and related to this work, are to be taken as mutually explanatory and unless otherwise expressly provided in this Contract Agreement, the priority between this Contract Agreement and other documents forming part hereof shall, in the event of any conflict and inconsistency between them, be in the following order :
  - (i) This Contract Agreement
  - (ii) ESIC Requirements
  - (iii) PCC
  - (iv) Financial Bid / BOQ
  - (v) GCC

10. Execution of the Works

The Contractor agrees and undertakes to execute the ARM work, complete in all respects, under and in accordance with this Contract.

11. Rights and Obligations of the Parties

11.1 The mutual rights and obligations of the Client and the Contractor shall, without prejudice to the following, be as set forth in the Contract :

- (a) In consideration of the payments agreed to be made by the Client to the Contractor as set forth in this Contract, the Contractor hereby covenants with the Client and agrees and undertakes to perform the Works including planning, designing, and executing the whole or part of the work by using required tools, tackles and plants and by observing due safety precautions for completing the assignment / the work in all respects with due diligence and to remedy any defects or deficiencies therein, in accordance with the provisions of the Contract ; and
- (b) The Client hereby covenants to pay to the Contractor in consideration of his performance in terms and under this Contract, the contract price at the times and in the manner prescribed in the Contract.

11.2 With reference to the Contract Price, the Contractor acknowledges and confirms that

- (i) The price quoted by the Contractor in the financial bids to this Contract are firm and fixed and not subject to any escalation and is inclusive of all applicable taxes, levies, cess etc.
- (ii) All taxes on the income of the Contract shall be borne and be the liability of the Contractor and the Client shall not be liable for the same in any manner whatsoever.

12. Effective Date

The Contract shall be effective on and from the date on which all of the following conditions have been fulfilled :

- (i) Furnishing of the Performance Guarantee by the Contractor to the Client in accordance with PCC ; and
- (ii) Signing of the Contract Agreement by the Client and the Contractor.

13. DISCLAIMER

It is expressly understood and agreed by and between the Contractor and the client that the Client is entering into this Contract solely on its own behalf and not on behalf of any other person or entity. In particular it is expressly understood and agreed that the Government of India is not a party to this Contract and has no liabilities, obligations or rights hereunder. It is expressly understood and agreed that the Client is an Independent Legal entity with power and authority to enter into contracts solely on its own account under the applicable laws. The Contractor expressly agrees, acknowledges and understands that the Client is not an agent, representative or delegate of the Government of India. It is further understood and agreed that the Government of India is not and shall not be liable for any acts, omissions, commissions, breaches or other wrongs arising out of the Contract. Accordingly, the Contractor expressly waives, releases and foregoes any and all actions or claims, including cross claims, impleader claims or counter claims against the Government of India arising out of this Contract and covenants not to sue the Government of India as to any claim, cause of action or thing whatsoever arising out of or under this Contract.



IN WITNESS WHEREOF, the parties hereto have caused this Contract to be signed in their respective names as of the day and year first above written.

For and on behalf of ESIC

.....

Name :

Designation :

Address :

Official Seal

Witness :

Signature :.....

Name :

Address :

For an on behalf of Contractor

.....

Name :

Post :

Address :

Official Seal

Witness :

Signature : .....

Name :

Address :

**Appendix - A**

**ESIC's Requirements**

**1. Name of Work :** *Comprehensive Annual Repairs and Maintenance ( ARM ) of ESIC Model Hospital, Basaidarapur, New Delhi campus along with Nine ( 9 ) Dispensaries at Raghbir Nagar ( including staff quarters ), NIA Karampura, I – Block Karampura Mayapuri – I ( including Branch Office ) & Mayapuri – II, Madipur, Inderlok, Dwarka ( including Branch Office ) and Shastri Nagar ( including Branch Office ) in NCT of Delhi during 2019 – 20.*

**2. Main Scope of Work**

The scope of work of the Contractor under this Contract shall include but not be limited to the following:

(A) Manpower Deployment

- (i) The Contractor shall deploy required number of manpower of requisite skills, expertise, experience, aptitude, attitude etc. to ensure that Hospital and Dispensary premises are maintained with due diligence and medicare services are not interrupted.
- (ii) Hospital shall be the resource centre for the manpower from where the required personnel shall be sent to Dispensaries as per requirements from time to time.

(B) Under Civil, Plumbing and Horticulture Works

- (a) Required comprehensive day to day / periodic repairs and maintenance of the following :
  - (i) Buildings and ancillary structures existing in the Hospital premises and Dispensary complex.
  - (ii) Water Supply, Sanitary installations and plumbing works.
  - (iii) External and Internal Drainage network ( storm water and sewage )
  - (iv) Lawns, plants, landscaped areas etc.
- (b) Water quality to be maintained by resorting to periodic cleaning of water tanks and supply lines / appurtenances as per prescribed procedure.

(C) Under Electro - Mechanical Works

Required comprehensive day to day / periodic repairs and maintenance of the following :

- (i) Internal Electrical Installations ( IEI ) comprising of circuits and wiring, panels, boards, fittings, UPSs etc.
- (ii) External Electrical Installations ( EEI ) comprising of substation, metering, earthing, lightning arrestors, external lighting, DG sets, pumps / motors, UPSs etc.
- (iii) Fire Detection, Protection, Prevention and Suppression System
- (iv) Public Addressed System, Audio – Visual System, CCTV Surveillance System, Signages etc.
- (v) Water Coolers, Window / Split ACs, RO System, Geezers, Solar Heating System, Medical Gas Supply System etc.

## **General Conditions of Contract ( GCC )**

### **1. Definitions**

In the Contract ( as hereinafter defined ) the following words and expressions shall have the meanings hereby assigned to them except where the context otherwise requires :

- (i) “ Employer” or “Client” means the ESIC and its administrators, successors and permitted assigns.
- (ii) “Engineer” means the ESIC engineering personnel appointed for supervising this work under this Contract.
- (iii) “Contractor” / bidders / Tenderer means an individual or firms ( proprietary or partnership ) whether incorporated 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.

### **2. Sufficiency of Tender**

The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Schedule of Quantities, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.

### **3. Contractor’s Employees**

The Contractor shall provide on the Site qualified and experienced technical staff in connection with the Repair and Maintenance of the Works and the remedying of any defects therein. The minimum staff shall be as per description of work mentioned in BOQ.

### **4. Engineer at Liberty to Object**

The Engineer shall be at liberty to object to and require 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 to be 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.

**5. Discrepancies and Adjustment of Errors**

The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions.

In the case of discrepancy between the schedule of Quantities, the Specifications and / or the Drawings, the following order of preference shall be observed:

- (i) Description of Schedule of Quantities.
- (ii) Particular Specification and Special Condition, if any.
- (iii) Drawings.
- (iv) CPWD Specifications.
- (v) Bureau of Indian Standards

If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the contractor.

Any error in description, quantity or rate in Schedule of Quantities or any omission therefrom shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contract.

**6. Safety, Security and Protection of the Environment**

The Contractor shall, throughout the execution and completion of the Works and the remedying of any defects therein :

- (i) Have full regard for the safety of all persons entitled to be upon the Site and keep the Site ( so far as the same is 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 persons, and

- (ii) Provide and maintain at his own cost all lights, guards, fencing, warning signs and watching, when and where necessary or required by the engineer or 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 damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods or Repair.

**7. Insurance of work by the contractor for his liability**

- (i) During the Repair and Maintenance period for loss of damage to property and life arising from a cause for which contractor is responsible.
- (ii) For loss or damage 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 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 contract.

**8. Damage 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 :

- a) Death of or injury to any person, or
- b) 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 workman 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. Compliance with Statutes, Regulations**

The Contractor shall conform in all respects, including by the giving of all notices and the paying of all fees, with the provision of :

- a) Any National or State Statute, Ordinance, or other Law, or any regulation, or bye – law of any local or other duly constituted authority in relation to the execution and completion of the Works and the remedying of any defects therein, and
- b) The rules and regulations of all public bodies and companies whose property or rights are 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 every kind for breach of any such provision.
- c) Any changes required for approval due to revision of the local laws.

**11. 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, within a reasonable time, the Employer shall be entitled to employ and pay other persons to carry out the same and 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 and the Engineer shall notify the Contractor accordingly.

**12. Defect Identification and it's rectifications**

Agency shall immediately attend the defects and complaints noticed at site. The agency shall provide and develop a system for regular Repair and Maintenance of all the services which includes defects identifications and it's immediate rectification so, that services are not effected. 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 work under BOQ measurable works. The contractor shall rectify at his own expenses any defect in the work carried out by him during the 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.

**13. Penalty for Delay**

If the Contractor fails to attend any complaint or defect in due course of time and if in the opinion of engineer delay is on the part of Repair and Maintenance agency, the employer can impose liquidated damages on the contractor as detailed in the particular conditions.

**14. 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.

**15. Instructions for Variations**

Quantities given in the BOQ are estimated quantities. The quantity of any particular item may vary during the currency of the ARM Contract. The payment shall be made by ESIC to the Contractor at the contract price for variated quantities.

**16. Measurement**

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.

**17. Monthly Statements for payments**

The Contractor shall submit a bill in 3 copies to the Engineer by 7<sup>th</sup> day of each month for the work executed up to the end of previous month in tabulated form approved by the Engineer, showing the

amounts to which the Contractor considers himself to be entitled. The bill must be supported with the following documents:

- a) Attendance sheet along with salary certificates, wages sheets of all the workers and staffs deployed in terms of the Contract.
- b) Certified bills regarding miscellaneous materials purchased under different heads.
- c) Details of defects / complaints attended and rectified within time.
- d) Details of complaints attended late.
- e) Any other documents asked by ESIC related to ARM works.
- f) ESIC & EPF Challans with list of workers.

**18. Monthly Payments**

After submission of monthly bill complete in all respects by the contractor, Engineer shall check the bill with the help of contractor and certify for payment within 15 days of the submission of bill. The payment shall be made through Bank in online mode.

**19. Performance Guarantee**

Within two weeks of award of work, the contractor shall submit a Performance Guarantee for proper performance of the Contract in the format given in the bid document in the form of BG for 5 % of the bid / accepted amount. The performance guarantee shall be valid for the duration of the contract period ( including extended 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 any account for a cause arising out of the contract.

**20. Security Deposit**

In addition to Performance Guarantee, a sum @ 5 % of the gross amount of each running and final bill till the sum deducted will amount to security deposit of 5 % of the tendered value of the work. Such deductions will be made and held by ESIC by way of security Deposit ( SD ) and shall be released after successful completion of the work without any liability towards ESIC. All compensations of the other some of money payable by the contractor under the terms of the contract may be deducted from SD.

**21. Correction of Interim payment Certificates / Running Bill**

The Engineer may be any Interim Payment Certificate / Running Bill make any correction or modification in any previous interim payment Certificate / Running Bill 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. All interim payments are to be regarded as advances against final payments.



**22. Final Certificate / Payment**

Within 28 days after receipt of the Final Settlement / claim / Bill and the written discharge, the Engineer shall issue to the employer ( with a copy to the Contractor ) a Final Certificate stating :

- a) The amount which, in the 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.

**23. Default of Contractor & Termination of Contract**

If the performance of the contract and 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.

**24. Dispute Resolution**

**24.1 Amicable Settlement of Dispute**

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

**24.2 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 Reconciliation Arbitration Act, 1996.

24.3 The work under the contract shall continue, during the Arbitration proceedings.

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

## **25. Payment on Termination**

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

## **26. Labour Laws to be complied by the Contractor**

The contractor shall obtain a valid license under the Contract Labour ( R & A ) Act, 1970, and the Contract Labour ( Regulation and Abolition ) Central Rules, 1971, before the commencement of the work, and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour ( Prohibition and Regulation ) Act, 1986.

The contractor shall also comply with the provisions of the building and other Construction Workers ( Regulation of Employment & Conditions of Service ) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996.

Any failure to fulfil these requirements shall attract the penal provisions of this contract arising out of the resultant non – execution of the work.

## **27. Health and Safety**

The Contractor shall at all times take all required precautions to maintain the health and safety of their personnel as well as Hospital / Dispensary users by observing due diligence. Supervisory personnel of the Contractor shall be skilled / experienced to ensure that site is maintained safely and protected against any accidents.

## **28. Contractor's Superintendence**

Throughout the currency of works and as long thereafter as is necessary to fulfill the Contractor's obligations, the Contractor shall provide all necessary superintendence and assistance to plan, arrange, direct, manage, inspect and test the works. The operations to be carried out by the Contractor in connection with ARM work shall be such as not to cause any kinds of accidents in the building and the campus and inconvenience to hospital users in any manner.

**29. Contractor's Personnel**

The workmen including supervisory personnel deployed by the Contractor shall be appropriately qualified, skilled and experienced in their respective trades or occupations. ESIC may require the Contractor to remove ( or cause to be removed ) any person employed on the Site or Works, including Contractor's Representative, if applicable, who :

- a) persists in any misconduct or lack of care or unruly / inhuman behavior
- b) carried out duties incompetently or negligently,
- c) fails to conform with any provisions of the Contract, or
- d) persists in any conduct which is prejudicial to safety, health, or the protection of environment

Upon such requirement, the Contractor shall appoint ( or cause to be appointed ) a suitable replacement person.

**30. Disorderly Conduct**

The Contractor shall at all times take all required reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst the Contractor's personnel, and to preserve peace and protection of persons and property on and near the site or even adjacent to it.

**31. Manner of Execution**

The Contractor shall carry out the work:

- a) In the manner ( if any ) specified in the Contract
- b) Efficiently, diligently and in a proper workmanlike and careful manner, in accordance with generally accepted professional techniques and good practices.
- c) Observe sound management practices, and employ advanced technology and safe and effective equipment, materials and methods ; and
- d) With properly equipped facilities and non – hazardous Materials, except as otherwise specified in the Contract.

The Contractor shall be liable for any loss or damage caused by any actions performed by the Contractor under this Contract.

### **32. Adjustments for changes in Legislation**

The Contract Price shall be adjusted to take account of any increase or decrease in cost resulting from a change in the Laws of the country ( including the introduction of new Laws and the repeal or modification of existing Laws ) or in the judicial or official government interpretation of such Laws, made after the Base Date ( the date on which tender is received in ESIC ) which affect the Contractor in the performance of obligations under the Contract.

### **33. Insurance against injury to Persons and Damage to Property**

- (i) The Contractor shall effect and maintain in full force insurance against liability for claims, damages, losses and expenses ( including legal fees and expenses ) arising from injury, sickness, disease or death of any person employed by the Contractor or any other of the Contractor's personnel.
  
- (ii) The Employer shall also be indemnified under the policy of insurance, except that this insurance may exclude losses and claims to the extent that they arise from any act or neglect to the Employer or of the Employer's Personnel.

### **34. Others Terms & Condition**

1. Contractor will provide sufficient technical staff to maintain the office / prepare bill / store & other works which are to be executed under the ARM head as per CPWD norms for which no extra payment shall be made by ESIC.
2. Contractor should have valid Electrical contract license issued from Delhi Government.
3. Following Self Certificate to be provided by the Bidders:
  - a) He has not been blacklisted in any work by any Central / State Government / PSUs / Autonomous Bodies and have satisfactory track record of compliance of statutory liabilities such as payment of Minimum Wages, ESI, EFP and GST etc. on time.**
4. It will be the responsibility of contractor to get the renewal of fire NOC and lift licence, if any from concerned department and no extra cost will be paid except legal/statutory departmental fees on production of documentary proof.
5. Water of water tank should be tested from NABH accredited laboratory or any other Govt. approved lab on half yearly basis for which no extra payment will be made by ESIC.
6. ESIC will provide Water & Electricity from one source to the contractor and recovery of same will be made in monthly bill @ 1% of the total value of work done for whole some items.
7. Space to be provided to agency by ESIC free of cost for setting up of Office as per approval of competent authority of ESIC till maturity / completion of work.

### **Terms & Conditions**

1. The contractor shall provide necessary barriers, warning signals and other safety measures while executing the work wherever necessary so as to avoid accident. He shall also indemnify ESIC against claims for compensation arising out of negligence in this respect. Contractor shall be liable , in accordance with the Indian Law and regulations for any accident occurring due to any cause. The department shall not be responsible for any accident occurred or damage incurred or claims arising there from during the executions of work. The contractor shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the contractor due to the above provisions.
  2. Safe custody including watch and ward of the plant/ system, all the fixtures and other machinery will be entire responsibility of the contractor.
  3. Cleaning of entire system/ units/ room/ machinery and other equipment will be the responsibility of the contractor. If the room is not found satisfactory at any time by the department recovery of Rs.50/- per day shall be made from the contractor's bill.
  4. The contractor shall provide first aid/ box facilities for his staff at site.
  5. The firm must pay Minimum Wages alongwith other allowances etc and fulfill all statutory obligations like ESI,EPF etc to all his employees covered under this contract.
- For Holidays/ Sundays no extra payment will be made. It is the contractor's duty to arrange weekly off or
6. Holidays to the workers, as per extent laws.
  7. The ESIC will not be a party in event of any dispute between contractor and his staff. The contractor is fully responsible for any dispute between him and his labourer. Whenever any major defects occur in the system the firm will inform immediately to department for taking proper action.
  8. The contractor shall provide and maintain attendance register for the maintenance staff at site which shall be checked by Engineer-in-charge.
  9. The contractor shall get cleaned all the distribution boards/ main boards/ main switches/ ceiling fans & fitting etc. to keep the system in healthy condition.
  10. Contractor has to maintain compliant register at his own cost. A complete record of all the complaints is to be entered in the register, the register is to be get checked by JE in-charge of the work.
  11. Any damage made by the contractor or the staff of the contractor deployed at the site of work during contract period shall be made good by the contractor at his own cost.
  12. The contractor shall submit the attested copies of credentials of all manpower to Engineer-in- Charge before start of the work and as and when demanded
  13. The Contractor shall provides adequate nos. of mobile phone to their staff at site to enable the JE(E)/AE(E) Engineer-in-charge to have easy and quick communication. Nothing extra shall be paid to the contractor on this account and his quoted rates for various items under this contract will be inclusive of this obligation also.

**Sub-Station & DG Set, EI (NR) and Compound Light.**

1. All the minor items such as cotton waste, grease, detergent, pilot lamp for phase indicator , kerosene oil, sand paper PVC tapes, stationery items/ printed stationery and control fuses shall be arranged by the contractor for which nothing extra shall be paid.
2. Contractor will bring in the notice of the AE(E)/JE(E) Engineer-in-charge concerned for any defect/nonfunctioning of AMF panel, Batteries, associated electric panel of DG sets, immediately.
3. During the currency of contract the DG sets and substation shall be in physical custody of the contractor& after expiry of contractor the DG sets & substation sets shall be handed

over to the department in the similar condition in which it was taken over by the contractor.

4. Any other spares part required in the DG set shall be brought to the notice of engineer-in-charge well in advance for which formalities for procurement of the same can be done in advance.
5. Contractor shall supply Log book, Dhoti, cleaning material, petroleum jelly, distilled water for battery within the scope of this work without any extra cost.
6. The agency will maintain record for operation of DG set and will inform to department about any defect/developed just after accruing of the same.
7. The H.S.D. for operation of Diesel pump shall be supplied by the ESIC free of cost.
8. For EI works requirement is to attend day to day complaints and carry out routine maintenance of external electrical installation i.e. main switch boards, sub-distribution boards, sub-main connection, cable connection, inter-connections, fittings including various electrical accessories. Maintaining and up keeping all associated equipment such as main boards, distribution boards, sub-distribution boards, MCBs, isolators, cable connections and inter connection in proper functional condition. Recording complaints in message register, attending the same in reasonable time and getting the rectification acknowledged by the occupants/ users as the case may be. The complaint register & workers diary shall be supplied & maintained by the contractor without any extra cost.
9. The contractor will test insulation and earth test of the system at least once in six months and submit the results to the engineer in charge. Non compliance of this clause shall invite penalty @ Rs. 500 per fortnight.

(Central AC Plant & Ductable AC Units)

1. If the compressor of AC out of order or worn out that the firm will intimate to the client Department immediately otherwise he will be reportable for any hardship or in conveyance.
2. Maintaining and upkeeping of every associated equipment & machinery including all the AHUs in proper functional condition and necessary details recorded in the logbook for servicing undertaken.
3. Visiting AC areas, measuring and recording of temperature and humidity in the prescribed manner every hour otherwise Rs.1000/- shall be recovered from the contractor.
4. Checking of Water level in the make up water tank and cooling tower.
5. Draining out the water from AC Plant room and Cooling tower etc., cleaning and sweeping areas of AC Plant room/cooling tower if required.
6. Checking the lugs/thimbles/terminals plate of electric motor; switches, starters, single phase preventors, indicating lights etc. and to take remedial steps, if required, and dust off the inside of all the electrical panels.
7. Checking the alignment of the entire belt driven equipment and to rectify, if required.
8. Checking the foundation bolts of pump motors and to take necessary action, if any.
9. Checking the mechanical seal, coupling of pump and cooling tower.

(Fire & Fighting, Sprinkler, Fire Alarm, PA & Talk back System & water Supply pump)

1. The contractor shall depute staff having knowledge of maintaining automatic / manual fire alarm system, public address system & talk back system ,wet riser i/c sprinkler system along with their control panels. In case of false alarm the staff on duty shall be capable to handle the situation accordingly and in case of fire they should act as per advice of the Delhi Fire Services personnel.
2. Routine maintenance of automatic/manual fire alarm system, PA & tack back system, and their fixtures and accessories shall be carried out as per CPWD maintenance manual amended up to date.
3. In case of any fire accident the staff on duty will take appropriate action and also inform the ESIC

officers and Delhi Fire Service as quickly as possible besides taking all required measures to fight the fire.

The firm shall conduct fire drill test once in a six month and as frequently as directed by ESIC Delhi.

4. Routine maintenance shall be carried out by contractor:-

5. The contractor shall have to arrange the minor & major repair works as per BOQ item no 3 of FB-5. The staff deputed shall maintain and keep all associated equipments in proper functional/ Running Condition.

Schedule of Credit Part - I (Civil Items) refer Para 27 on page 39 of PCC				
S. No.	Description of Item	Item no. of FB-4/FB-2	Unit	Rate(Rs)
1	Mortice lock	8	Each	40
2	Hasp and staple	9,10	Each	5
3	CP Brass extn nipple	11	Each	5
4	Alumn sliding bolt any size	14,15	Each	30
5	Alumn tower bolt any size	16,17,18,19,64	Each	5
6	Alumn handle any size	20,21	Each	5
7	U/S Flush door	22	Sqm	24
8	U/S CI Bracket	32	Pair	5
9	U/S CP Brass /SS jet complete	33	Each	15
10	GI Pipe all sizes U/S	39,40	Metre	20
11	C P Brass shower rose U/S	51	Each	5
12	CP Brass paper holder	53	Each	15
13	Gun metal NRV 25mm, 32 mm	57,58	Each	25
14	Gun metal NRV 40mm, 50 mm	59, 60	Each	80
15	CI Bend, tee etc	67,68,69,70	Each	30
16	Alumn door stopper	73	Each	2
17	Door closer/floor spring	74,92	Each	40
18	Bottle trap CP	79	Each	25
19	Unservicable flushing cistern PVC	86,87	Each	10
20	CP Brass bib tap,stop cock,angaale valve	82,83,84,85,88	Each	25
21	Spreader of urinal	89	Each	5
22	Plastic plumbing fittings	93 to 108	Each	1
23	Iron and steel items if any		Kgs	20
24	U/s door/window wooden frame	FB-4, ITEM 21	Each	25
25	Old wooden door	22,23,24	Each	25

26	Old wooden window shutter	22,23,24	Each	10
27	Curtain rod	30	Metre	5
28	Alumn kicking plate	33	Each	10
29	Old pvc door frame	35	Metre	15
30	Old PVC DOOR SHUTER	36	Sqm	50
31	Old PVC Pipe	56,57	Metre	10
32	Old false ceiling	59,62,63	Sqm	10
33	Old plastic sheet		Sqm	10
34	Old GI Sheet	61	Sqm	10
35	Old alumn frame section	129,132	Kgs	100
36	Old door closer	131	Nos	40
37	U/S flushing cistern	139	Nos	10
38	U/S CP Pillar cock	140	Nos	25
39	U/s SS KITCH SINK	141	Nos	40
40	U/S CI Pipe 100/75 mm	144	Metre	50
41	U/S CI FITTINGS	147,148, 149	Each	10
42	U/S alumn pull bolt	64	Each	1

**Schedule of Credit Part – II (Electrical Items) refer Para 27 on page 39 of PCC**

S. No.	Description of Item	item no. of FB-3/FB-5	Unit	Rate in Rs
1	U/S FRLS PVC Cable 1.5 Sqmm	1	Metre	1.2
2	U/S FRLS PVC Cable 2.5 Sqmm	2	Metre	1.85
3	AS ABOVE BUT 4.00 Sqmm	3	Metre	3
4	AS ABOVE BUT 6.00 Sqmm	4	Metre	4.25
5	AS ABOVE BUT 10 Sqmm	5	Metre	7.5
6	AS ABOVE BUT 16 Sqmm	6	Metre	11.8
7	0.5 sqmm 1 pair cable copper	7	Metre	0.25
8	0.5 sqmm 2 pair cable copper	8	Metre	0.4
9	STEEL CONDUTE 20 MM	m	Metre	5
10	Brass pendent holder	48	Each	4
11	Brass angle holder	49	Each	4
12	U/S brass compression gland assorted	81	Sqm	5
13	U/S GI Pipes assorted	84	KGS	20
14	U/S Iron scrap	90,79,80	KGS	20
15	U/S Submersible cable 3 x 1.5/2.5 Sqmm	106,107	Metre	4
16	Switch/socket/regulator etc	27 to 47	Each	0.25
17	32/63/100 Amp TP &N	52,53,54	Each	20
18	U/S Exhaust fans 300/380 mm	95	Each	100



**Re e-Tender**

19	U/S Exhaust fans 450 mm	96	Each	130
20	U/S alumn cable 4 core 95 Sqmm	125	Metre	60
21	U/S alumn cable 4 core 50 Sqmm	126	Metre	35
22	U/S alumn cable 4 core 35 Sqmm	127	Metre	25
23	U/S alumn cable 4 core 25 Sqmm	128	Metre	15
24	U/S alumn cable 4 core 16 Sqmm	125	Metre	10
25	U/S MCB/MCCB any size	55 to 78	Each	75
26	Unserviceable Batteries	Over all weight	KG	60
27	Old U/S battery charger	FB-V item 01	Each	25
28	Old transformer oil		Litre	15
29	Old Volt metre/ Ammetre		Each	3.5
30	Old Jointing Kit alongwith portion of Cable		Each	25
31	Old U/S MCCB 630 to 1000 Amp ¾ pole		Each	400
32	-do- but 400 to 630 Amp		Each	300
33	-do- but 200 to 400 Amp		Each	200
34	-do- upto 200 Amp		Each	100
35	Old U/S main switch/change over/load break swith 400 to 630 Amp ¾ pole		Each	175
36	-do- 200 to 400 Amp		Each	110
37	-d0- upto 200 Amp		Each	50
38	Old Sluice Valve/NRV/Solenoid valve 1500 bore		Each	300
39	-do- but 100 mm bore		Each	200
40	Old U/s Aluminium conductor cable 120x3/4 core		RM	65
41	-do- but 150 x ¾ core		RM	67
41	-do- but 185x3/4 core		RM	72
42	-do- but 240x3/4 core		RM	77
43	-do- 300 x3/4 core		RM	82
44	-do- 400 x3/4 core		RM	87
45	Old U/S DOL starter any type and capacity		Each	45
46	Old U/S star delta starter 30/35/40 HP		Each	250
47	-do- but upto 75 HP		Each	400
48	Old Copper Battery lead		Each	50
49	Old Battery terminal brass/Bronze		Each	12
50	Old telephone instrument any type		Each	110
51	Old Compressor of Window/Split AC 1.5 Tonne		Each	250
52	-do- but 2.0 tonne		Each	400
53	Old U/S Gysers 15 Litre capacity		Each	300

54	-do- but 25 litre		Each	350
55	-do- but 50 litre		Each	500
56	Old heating element 1.50 KW		Each	10
57	-do- but 2/3 KW		Each	12
58	Old condenser coil window/split AC 1.5 tonne		Each	210
59	-do- but 2 tonne		Each	250
60	Old cooling coil window/split AC 1.5 tone		Each	220
61	-do- but 2.0 tone		Each	260
62	Old thermo state any type		Each	10
63	Old compressor 40/60/80 litre water cooler/deferrer/refrigerators upto 300 litre		Each	310
64	-do- but 120/150 litre water cooler/refrigerator 301 to 500 litre capacity		Each	410
65	Old blower motor 1.5/2 tone AC		Each	80
66	Old condenser motor 1.5/2.0 tone AC		Each	80

Note:

1. The material (Civil & Electrical) received at site other than not covered above; the salvage value of such material will be as under.

a. Steel /iron	Kg	Rs 20.00
b. Plastic	Kg	Rs 12.00
c. Alumn	Kg	Rs 100.00
d. Copper	Kg	Rs 175.00

## Particular Conditions of Contract ( PCC )

1. **Definition**

Unless repugnant to the context or meaning thereof or defined in the Contract Agreement, the following expressions shall have the meaning in these PCCs:

- (i) “CPWD” means the Central Public Works Department of the Government of India.
- (ii) “DSR” means the Delhi Schedule of Rates of CPWD.
- (iii) “Cost Index” means Cost Index of particular place as declared by CPWD from time to time to be applicable on DSR items.
- (iv) “Base Date” means date on which tender for this work has been received in ESIC.
- (v) “NDSR Items” means Non – DSR or Non – schedule items which are not based on any DSR and as such rates for these items are to be determined based on prevailing Market Rates.

2. **Extra / Substituted / Additional Items**

If during currency of the work, any items which are not available in the Contract’s BOQ and have been ordered by ESIC to carry out at the site, rates for such items for payment purpose to the Contractor shall be determined as follows :

a) **For DSR Items**

The rates shall be derived based on latest DSR rates + applicable Cost Index.

b) **For NDSR Items**

The rates shall be derived based on Market Rates. An element of Contractor’s Profit ( CP ) @ 7.5 % shall be allowed.

3. The works shall be carried out in accordance with CPWD specifications wherever CPWD specifications are not available / applicable, such items / piece of works will be carried out as per BIS / NBC / manufacturers specifications & operation manuals and sound engineering practices etc. and as per direction of engineer.

4. The contractor shall maintain proper maintenance office / service centre / Sewa Kendra where complaints shall be received from the complainants either through e – mail, hard copies etc. A compliant Register shall also be properly maintained and updated daily in accordance with the

direction of ESIC / Engineer – in – charge so that complaints are immediately registered and formalized in the maintenance system for their quick redressal within optimum time and with due diligence. Complaints through SMS & Whats App can be lodged by the concerned ESIC officials / bona fide residents 24 X 7 to the mobile phone of the contractors / Supervisory personnel and these complaints shall also be given due weightages.

5. The Contractor shall put all out efforts to address the complaints as immediately as possible. However, a tentative timeline for various natures of complaints are given within which the complaints are supposed to be attended by the Contractor without fail so as to maintain the hospital services smoothly.

**TIME FRAME FOR ATTENDING COMPLAINTS**

<b>S No</b>	<b>Complaint Type (as defined by ESIC )</b>	<b>Maximum Time within which the complaints are to be attended</b>
1	Emergent Complaints	3 hours
2	Minor Complaints	1 day
3	Major Complaints	3 days
4	Periodical Complaints	5 days

Following recovery shall be made from the admissible payments for delay in attending the complaints:

- (i) The recovery of Rs **500/-(Rupees Five Hundred Only)** per complaint per day of delay in attending emergency complaints.
- (ii) A recovery of Rs **200/-(Rupees Two Hundred Only)** per complaint per day for delay in attending Major, Minor & periodical complaints beyond the time given as above.

Moreover,

6. All required register will be issued by Engineer-in-charge duly marked in chronological order but the contractor will have to arrange all such registers/stationery etc. nothing extra shall be paid on this account.

The contractor will have to arrange all the required Computer, furniture etc. at his own cost pertaining to his job and he will take all these things back only after the expiry of the agreement for which nothing extra shall be paid.

7. Workmen employed by the contractor should be well behaved, polite & courteous and the worker will clean the place where he has worked while attending the complaints . Any complaint against staff for bad behavior shall be taken very seriously and such staff shall be removed by the contractor within five days from the site and arrangement of suitable substitute for the same shall be done by contractor failing which the Engineer-in-Charge shall make recovery from contractor's bill as per corresponding condition.

8. Each worker shall maintain a complaint diary and get the signature from the concerned department / official to whom the complaint pertains, regarding attending the complaints. In case, it is found that the complaint has been attended unsatisfactorily, it will be considered as unattended. List of such complaints shall be submitted to the Assistant / Junior Engineer-in-Charge or his representative preferably on daily basis.
9. Safety of the staff employed will be the responsibility of the contractor, ESIC shall not be responsible for any mishap, injury/accident or death of the staff. No claim in this regard shall be entertained/ accepted by the department.
10. Operations in which assistance shall be provided by the maintenance agency / contractor to ESIC :
  - (i) Assistance for occupation and vacation for the quarters.
  - (ii) Assisting the department in detection of unauthorized encroachments in the area being maintained.
  - (iii) Informing to the ESIC regarding the failure in any service being provided by other departments, in so far as they affect the assets being maintained under this contract, so that they can be taken up with the concerned local body / department for rectification.
  - (iv) Contractor or his authorized representatives / nodal officials shall ensure connectivity on mobile round the clock so that they can be contacted by the ESIC officials / authorities so as to make them aware about the urgency of the situation in connection with the maintenance of the essential services in the hospital and dispensary premises. Contractor shall provide alternate mobile / telephone nos. for ease of communication. Nothing extra shall be paid to the contractor on this account and his quoted rates for various items under this contract will be inclusive of this obligation.
  - (v) Contractor shall ensure to attend / respond to the individual complaints within the time prescribed.
  - (vi) Contractor shall follow the citizen charter and model code for workers behavior as decided by Engineer-in charge.
  - (vii) Contractor shall facilitate visitors while they visit to service centre for lodging complaint in person or on phone.
11. The Contractor shall provide credentials of all workmen to ESIC. No claim of contractor's employees/ staff employed for subject work in any form shall be entertained by ESIC. Police verification of every deployed by the contractor shall be got done by the contractor compulsorily and a copy of police verification shall be provided to Engineer-in-Charge after which an identity card duly countersigned by Engineer-in-Charge or his representative shall be issued to each employee of the contractor for proper identification. ESIC may ask the Contractor to authenticate the presence of required number of manpower through Biometric Attendance System ( BAS ) based on AADHAR.
12. The contractor shall provide uniform with ESIC logo along with name Badge and shoes **within 15 days** of start of work. In the event of non compliance **a recovery of Rs.25/- per day per employee** shall be made. The employee and labours engaged by the contractor under this contract shall wear neat and clean uniforms alongwith name badges as approved by the concerned engineer. Nothing extra shall be paid on this count.

13. All T&P including ladders, wire drawing equipment, chase cutting equipment, drilling machine megger insulation, earth resistance testing equipment etc. required for the work shall have to be arranged by the contractor No T&P shall be issued by the Department.
14. Unless otherwise specified, the agreement rates for all items of work of the schedule of quantities are for all heights, depths, leads and lifts involved in the execution of work.
15. The contractor shall take all precautions to avoid accidents by exhibiting caution boards, red flags, red lights and providing necessary barriers and all other measures required from time to time. The contractor shall be responsible for all damages and accidents due to negligence on his part.
16. The contractor shall give due notices to Municipality, Police and/ or other authorities that may be required under the law/ rules under force and obtain all requisite licenses for temporary obstructions/ enclosures and pay all charges which may be leviable on account of his execution of the work under the agreement. Nothing extra shall be payable on this account.
17. Other agencies may also be simultaneously executing some other work entrusted to them by the Engineer-in-charge and the contractor shall offer necessary cooperation wherever required to these agencies so as not to interfere with or hinder the progress or completion of the work being performed by other contractor (s). He shall as far as possible arrange his work and shall place and dispose off the materials being used or removed, so as not to interfere with the operations of other contractors, or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of Engineer-in-charge.
18. On account of security consideration, there could be some restrictions on the working hours, movement of vehicles for transportation of materials, the contractor shall be bound to follow all such restrictions and adjust the programme for execution accordingly. Nothing extra shall be paid for idle labour due to such construction.
19. The work shall be carried out in a manner complying in all respects with the requirements of relevant bye laws of the local bodies, labour laws, minimum wages act, workmen compensation act and other statutory laws enacted by Central Govt. as well as State Govt.
20. All the malba or rubbish obtained from dismantling or otherwise during the execution of work shall be collected in the mobile container arranged by contractor free of cost of suitable size placed near the working place. The malba or building rubbish so collected shall be disposed off to the specified common disposal point as decided by the Engineer-in charge, where from the contractor will finally disposed off the collected malba or rubbish to the authorized municipal dhalao/dumping ground. In no case the malba / building rubbish shall be allowed to dump at ground near the working place. A recovery of **Rs.1000/-** shall be made by engineer-in- charge for every default per day till the final disposal of malba only after issuing a notice in writing by engineer-in-charge of work.

No residential accommodation shall be provided to any of the staff engaged by the contractor. The contractor shall also not be allowed to erect any temporary set up for staff in the campus.

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- The contractor shall depute required technical and non – technical / supporting personnel for carrying out civil and electro – mechanical maintenance works as per manpower deployment schedule vide Form (FB) – 1 so that the essential services should not get hampered in any manner for hospital and dispensaries & also for residential accommodations.
21. Contractor shall be fully responsible for any damages caused to govt. property by his or his labour in carrying out the work and same shall be rectified by the contractor at his own cost.
  22. The Contractor shall follow, observe and comply with all applicable laws, rules, regulations and procedure including all Govt. of India and concerned Local Authority rules, procedures and regulations while performing Work under the Contract including planning, designing, detailing, executing, supervising etc. and obey instructions, rules and regulations of Agencies having jurisdiction as issued or applicable from time to time. The contract price and the rates under the Contract shall be deemed to be inclusive of all expenses required for complying with all such applicable laws, rules, regulations and procedures. The Contractor shall at all times safeguard the interests of the employer in performing the work under his scope.
  23. The contractor shall maintain sufficient quantity of materials and spares at site to meet the requirement of attending the complaints as per direction of the Engineer-in-charge. Stores / bins, if available, shall be handed over to the contractor for storing the material.
  24. The contractor shall have to carry out the work other than day to day maintenance according to programme given by the Executive Engineer / Assistant Engineer / Junior Engineer-in-charge. The contractor shall have to adhere to this programme failing which he shall be wholly responsible if or any inconvenience caused to the occupants. No claim for idle labour on any account shall be entertained. The contractor shall depute his representative daily to the site of work. His / her name and Signature shall be attested by the contractor for record in the department.
  25. No special repairs and addition/ alteration work shall be carried out in any building without the approval of the representative of the Engineer-in- charge. Any work carried out without approval of the representative of the Engineer-in-charge at the site, the work shall be rejected and shall not be measured and paid for.
  26. The cement mortar/cement concrete shall not be mixed or mixed cement mortar / cement concrete shall not be placed on the ground /roads/pucca floor in any case during the execution of work at site. The cement mortar / cement concrete will only be mixed on MS sheet/sheet of other material suitable size. In case of default, the Engineer-in-charge of work shall reject the cement mortar / cement concrete out rightly if cement mortar/cement concrete mixed on ground/floor/slab/road and such cement mortar/cement concrete shall be removed from the site of work by the agency at his own cost.
  27. All dismantled material shall remain the property of the ESIC and shall be taken away by the contractor after taking approval of Engineer-in-charge of ESIC in writing as per “**schedule of credit I & II**” for dismantled materials for which deduction will be made accordingly from contractor bills. Chases, holes & drilling works etc. shall be done using power operated tools by observing due diligence so that the existing structure / facilities should not get unduly disturbed / harmed / disfigured.

28. In case of any accident during the operation / Maintenance of the equipment leading to injuries/damages to human being equipment or loss of life, the contractor shall be fully responsible for settling all claims & indemnify the department against any claims arising out of such accidents.
29. The quoted rate shall be inclusive of any prevailing taxes, duties, levies imposed by the Central /State government/Local bodies. Any new taxes levied after opening of financial bid shall be considered by ESIC for reimbursement ( in case of additional burden / increase in financial implications ) or recovery in case of decrease in financial implications due to such changes. Income Tax as applicable shall be deducted from the payments of the contract as per extant Rule.
30. The contractor shall comply with proper and legal orders and directions of the local or public authority or Municipality / local body / administration and abide by their rules and regulations and pay all fees, cess and charges of which he may be liable as per statutes / orders.

This contract includes providing the emergency services whenever required after normal working hours; no extra charge will be entertained for attending any numbers of complaints.

The contractor shall also give due notices to Municipality, Police and/ or other authorities under intimation to the Engineer in Charge that may be required under the law/ rules under force and obtain all requisite licenses for temporary obstructions/ enclosures and pay all charges which may be liveable on account of his execution of the work under the agreement. Nothing extra shall be payable on this account.

31. The contractor will carry out preventive maintenance / Checks as per CPWD Specification / respective standard trade practice and as per details attached. The result of such exercise will be recorded in proforma as decided by the Engineer-in-charge.

Materials used shall be in order of preferences as under:-

- (i) Under the Nomenclature of the item
- (ii) Particular specifications and special conditions.
- (iii) CPWD specifications.
- (iv) ISI marked / conforming to BIS.
- (vi) Approved by ESIC engineer.

32. Rejected materials shall have to be removed by the contractor at his own cost immediately of the instructions of doing so. In case of any dispute regarding rejection of quality of materials the decision of the Engineer-in-Charge shall be final and binding upon the contractor.

33. Contractor shall give the details of complaints attended at least once in a week mandatorily to the concerned AE / JE.



34. The contractor shall maintain proper attendance records of workmen deployed at the site of work which will be checked by the ESIC engineer / Staff of verification etc. In case of absence of any workmen, the recovery shall be made at the following rates :

<b>S.No.</b>	<b>Category of Workmen</b>	<b>Rate of Recovery per day per person ( Rs. )</b>	<b>Remarks</b>
1.	Supervisors	2,000/-	In case workmen are found absent for particular hours of the day, the recovery shall be made on pro – rata basis by considering 8 hrs. of the duty in a day.
2.	Highly Skilled	1,500/-	
3.	Skilled	1,200/-	
4.	Semi – Skilled	1,000/-	
5.	Unskilled	800/-	

35. For facia work and internal finishing work, double cup Lock steel scaffolding having two sets of vertical supports with steel staircase for inspection of works by engineer in charge shall be used. The supports shall be sound and strong, tied together with horizontal piece over which scaffolding planks shall be fixed.

36. The contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupiers of adjacent properties and to the public in general and to prevent any damage to such properties from pollutants like smoke, dust, noise. The contractor shall use such methodology and equipment so as to cause minimum environmental pollution of any kind during construction and minimum hindrance to road users and to occupants of the adjacent properties or other services running adjacent/near vicinity. The contractor shall make good at his cost and to the satisfaction of the Engineer-in-Charge, any damage to roads, paths, cross drainage works or public or private property whatsoever caused due to the execution of the work or by traffic brought thereon by the contractor. All waste or superfluous materials shall be carried away by the contractor, without any reservation, entirely to the satisfaction of the Engineer-in-Charge.

37. The Contractor shall ensure the readiness and functionality of all equipments, accessories and plants related to fire safety aspects of the hospitals and other buildings existing in the campus as a whole so that the entire premise is free from any potential fire hazards. Periodic fire drills are also required to be done by the Contractor in consultation with ESIC and local Fire Inspectors / Officials as per norms. Any deficiencies detected during the fire drills regarding dysfunctionality of fire safety equipments, accessories and plants and evacuation measures shall be made good immediately by the Contractor in consultation with ESIC and local Fire Inspectors / Officials. Supervisor ( Fire Safety ) which is to be deployed by the Contractor with proper qualifications

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and experience is responsible for all the actions enumerated above. The Contractor is also required to deploy Fire Technician of required qualifications and experience to assist Supervisor ( Fire Safety ) in this endeavor. Supervisor ( fire Safety ) along with Fire Technician will be functioning as a core fire safety squad for ensuring that the complex is secured from fire safety angles all the time.

38. Indicative list of material & tools for day to day maintenance, which does not include some more items which required for day to day maintenance, same may be arrange by the contractor without any extra cost.

<b>S.No</b>	<b>Job</b>	<b>Material</b>	<b>Tools with tool bag</b>
1	Plumbing work	GI/ PVC/ UPVC/ CPVC pipes & fittings of all nominal bore, SCI/ CCI pipes & fittings of all sizes, internal parts of CP brass fittings, CP extension pieces of all sizes, internal parts of cistern, M Seal, teflon tape PVC Seat cover of EWC, all PTMT fittings, looking Mirror 600x450mm size, all CP/ PTMT gratings, CP/PTMT waste & , PVC waste pipe for wash basin/sink/urinal, PVC cistern, PVC connection pipes of all size, Brass stop cock/ gate valve/ float valve etc.	Pipe wrench, Pipe cutter, Pipe vice, Pipe die stock, Files, Plier, bench vice, Caulking tools, measuring tape, Hacksaw, Screw driver, Spanners, Chisels, Hammers, Grinding machine, Pressure Pump (to open blockage in water pipes) etc.

2	Carpentry	Commercial & decorative Plywood (all thickness), wood (Hollock & teak), All aluminum/stainless steel/brass doors & windows fitting of all sizes, Hydraulic door closer, wooden beadings, All type & size CP brass/ SS/ Aluminum screws, nails , adhesive, silicon sealant, float/ frosted glass panes of all sizes & thickness, SS wire mesh, glass putty etc.	Drilling Machine Battery/ electric operated (ordinary as well as hammer drilling), Planer, Saw, Screw Driver, Hammer, Chisels, Auger, Try Square, tape Scribing Knife, Marking Gauge and Marking Point, Pliers, Glass cutting knife etc.
3	Painting & Polishing	All type of Paints & primer, POP, Cement based wall putty, wooden sealer, spirit, muslin cloth, melamine, masking tape, Sand paper, etc.	Brushes, Roller, sand grinder machine, putty Knife/plate (patti), PVC/ foam sheet cover, ladder etc.
4	Masonry work	Cement, fine/coarse sand stone aggregate of all nominal sizes, Bricks, Ceramic/ vitrified tiles of all sizes & shade, araldite, SFRC covers & frames of all sizes etc.	Trowel, Try Square, Straight edge, Plumb bob, String (Nylon rope), tape, Brick Hammer, Floats, Tamping rod, Hand Grinding Machine, Fiber sheet for mortar mixing etc.
5	Sewer man	Cleaning material, disinfectant etc.	Pump, Pusher rod, Brushes for cleaning, iron rod, Gumboots, Hand gloves, Broom sticks, Brooms (both soft & hard), Basket or Bucket for dust & waste Collection, cleaning material (Acid, Vim, Soap, Scrubber), Safety tools etc.
6	Welding	MS structural steel sections of all sizes & type,	Electric Welding machine, Eye shield, Grinder, cutter, electric cable, safety

		Welding rod etc,	tools, transportation system etc.
7	Helper		Pickaxe (Gainti), Kassi, Spade, Crow bar, Rammer, Hammer, Basket etc.

**General Tools:-** Ladder, Gauge measure, Measuring Tapes (3 M, 15 M, 30 M), Measuring Box (40cm x 35cm x 25cm), Steel rule, Wooden Ballies & Planks, Scaffolding Steel pipes, Shuttering plates, Rubber pipes, Water level & Water level pipe, Spirit level, Grinding stone, Rickshaw / Trolley for moving materials at site. Shuttering and scaffolding materials, Jhoola (for working at heights),Cutter Machine (for cutting metal, wood, concrete & other flooring upto 2" thickness).

**List of General Safety tools:-** (With minimum Qty) required to be kept by Contractor (First aid Box – 1 Nos. Safety belt with rope -. Protective Goggles. Face Mask -. Hand gloves - Helmets - Safety shoes (With socks) - (For Each Worker) Safety Jacket / Apron - (For Each Worker) Caps/hats(for summer) - (For Each Worker).

### **LIST OF APPROVED MAKES for Civil & Plumbing Works**

<b>Sl. No.</b>	<b>Materials</b>	<b>Approved make</b>
1.	Tiles	
A.	Ceramic Glazed Wall Tiles	JOHNSON, SOMANY, KAJARIA, NITCO,
B.	Ceramic Glazed Floor Tiles	JOHNSON, SOMANY, KAJARIA, NITCO, ASIAN
C.	Chequered Tiles	NITCO, KK MANHOLE & GRATINGS CO. PVT. LTD. , MODERN, ULTRA,UNISTONE &
D.	Rectified Glazed Ceramic Floor Tiles	JOHNSON, SOMANY, KAJARIA, NITCO, ASIAN
E.	Vitrified Tiles	KAJARIA, JOHNSON, MARBIITO, NITCO, ASIAN, SOMANY,RAK

F.	Mosaic Tiles	NITCO, MODERN, SWASTIK
G.	Terrazzo Tiles	NITCO, MODERN, SWASTIK
H.	Glass Mosaic Tiles	ITALIA, NITCO, OPIO
2.	Bathroom Fittings	Jaquar, , MARC, Kohler
3.	Sanitary Ware	Hindware, Neycer, Cera, Parry ware, Kohler
4.	Kitchen Sink (steel)	Neelkanth, Jayna, Nirali
5.	PVC Tank	ISI marked sintex, Sheetal, SPL, Storex, Unitank
6.	Non A.C. Sheets	ISI marked Lotus, Charminar, Uppal, ACC
7.	PVC Cistern	Commander, Duralite, Hindware, Coral, Speed Flow
8.	Fibre Glass sheet and Chajjas	Rooffit of Shiv Shakti fiber udhyog make, Fibreways Technology, Simba
9.	Precast Cement concrete slab	, Nitco, KK MANHOLE & GRATINGS CO. PVT. LTD., KONKRETE PRODUCTS CO
10.	G.I. Sheet	SAIL, Tata shakti, jindal, Swastik
11.	G.I. pipe	ISI marked jindal Hissar, Tata, Prakash,
12.	G.I. fittings	ISI marked Unik, UK, Surya, Prakash,
13.	Structural M.S. Sections I & Channels	ISI marked Tisco, Jindal, Sail, Rana, Rathi
14.	Structural Extruded Sections Tee iron, Angle iron, Flats etc and TMT bars	ISI marked Rana, Tata, Rathi
14a.	Steel work with hot finished welded type tubes for tubular trusses	BST, Jindal, Ravindra, Surya
15.	Block Board & Ply Wood & Lamination Sheet	ISI marked Century, Duro, Greenply, Merino, National Ka
16.	Precast CC Interlocking paver Block, Kerb Stone	Nitco, KK MANHOLE & GRATINGS CO. PVT. LTD., KONKRETE PRODUCTS CO, , Terra Firma,
17.	Precast R.C.C. manhole & gully trap covers, frames and gratings	KK MANHOLE & GRATINGS CO. PVT. LTD., KONKRETE PRODUCTS CO,

18.	Oil bound washable distemper	Berger, Asian, Nerolac, ICI
19.	Acrylic Distemper with or without VOC content	Berger, Asian, Nerolac, ICI
20.	Acrylic Emulsion paint/premium Emulsion paint having VOC content	Berger, Asian, Nerolac, ICI
21.	Exterior Acrylic paint/ Premium acrylic paint	Berger, Asian, Nerolac, ICI
22.	PLASTIC EMULSION PAINT	Berger, Asian, Nerolac
23.	Primer for all work with or without VOC content	Berger, Asian, Nerolac, ICI
24.	Synthetic enamel paint with or without VOC content	Berger, Asian, Nerolac, ICI
25.	Waterproofing cement paint	Berger, Snowcem India Ltd, Asian paints
26.	Cement	OPC 43 Grade/PPC (ISI) ACC, Birla, Jaypee, L&T, Shree, J.K.
27.	Modular kitchen Accessories	Stallion, Sparkle Top, Hettich
28.	Brass Door window fillings	Sigma, Brasses, Bush
29.	Dash Fastner	Hilti, Fisher, Canon
30.	Hydraulic door closer	Hardwyn, Godrej, Dorma
31.	Lock & Latcher	Godrej, Harrison, Plaza, Golden
32.	Cement wall putty	Birla wall care, J.K. wall care
33.	APP	Bitumat co. Ltd., Roflex, STP, Dermabit Apex
34.	Aluminum Sections	Jindal, Hindalco, Indalco
35.	Tile Adhesive as pais 15477	CICO Bal Endura, PIDLITE, FERROUS
36.	Centrifugally Cast & Pipe	NECo, Truform, Tecno sales Corporations
37.	Tempered glass/ glass pan	Modi float, saint Gobain, Asahi
38.	BEVELLED EDGE MIRROR	ATUL, SAINT GOBAIN, MODI GUARD, GOLDEN

		FISH
39.	PTMT Fittings	Paryag,Wilson
40.	White Cement	J.K. White, Birla White, ACC white cement
41	Structural Steel	Sail ,Tata, Jindal
42	Prelaminated Particle Board	Centuary Ply, Novapan, Kitlam
43	Adhesive	Pidilite, Sika, Thermoshield,
44	Dash Fastener	HILTI,FISCHER,BOSCH
45	S.S. STAIR CASE RAILING	JINDAL STAINLESS STEEL Ltd.,ICICH INDUSTRIES,ESSAL
46	FLOAT GLASS	MODI FLOAT,SAINT GOBAIN,ASAHI
47	GRASS PAVERS	UNISTONE,ULTRA,HINDUSTAN,K.K.
48	VITEROUS CHINA HARDWARE	PARRYWARE,HINDWARE,CERA,NYCER
49	GUN METAL VALVES	LEADER,SAINT,ZOLOTO
50	C.I. MANHOLE COVER	B.C.,RIF,NEECO
51	UPVC PIPE	SUPREME, PRINCE,FINOLEX,PRAKASH
52	BALL VALVES	ZOLOTO,IBP,ARCO
53	MIRROR	ATUL, MODI GUARD, Saint Gobain
54	READY MIX CONCRETE (RMC)	LAFARGE, ALCHON, ACC, L&T, ULTRA TECH
55	UPVC WINODW/DOORS	FENESTA, REHAU, POLYWOOD
56	CPVC PIPE & FITTINGS	AJAY FOLOWGUARD, ASHIRWAD FLOWGUARD
57	POP (PLASTER OF PARIS)	BIRLA WHITE, SAKARNI, JK LAXMI
58	FLUSH DOOR	CENTURY PLY BOARD, NATIONAL PLYWOOD, KITPLY,
59	FRP CHAJJA & DOORS	FIBEREWAYS, FIBRE ENGINEER
60	PVC CISTERN	STEELBIRD, JINDAL, SEABIRD

Notes :

1. The weight and thickness of the material should be as per CPWD Specification/relevant IS Code / manufacturer specifications.
2. The above list is not exhaustive and as such materials beyond the above said list shall be used in the work only after due approval from the ESIC engineer.

**LIST OF APPROVED MAKES for Electrical Works**

	<b>Description of Items</b>	<b>Make</b>
1.	FRLS PVC Insulated Copper conductor single core cable	Havell's/ Polycab / Finolex / Grandlay
2.	XLPE Insulated, PVC Sheathed Aluminium conductor armoured cable	Havells / CCI /Skytone /Polycab / Grandlay
3.	G.I. box with modular plate / 5/6 Amp switch / 5/6 Amp socket outlet	Anchor AVE/ Legrand Myrius / MK Blenz / Seimens
4.	Steel Conduit	RM Con/NIC/AKG/BEC ISI Marked
5.	Ceiling Fans 1200 mm sweep BEE 5 star rated	Crompton Greaves/ Havells / Orient
6.	Feeder Pillar / Panel	Advance / C&S / AMBIT/ ADLEC/ASPL
7.	Loard Bank	Havells / Legrand / HPL
8.	MCB / MCB DB and sheet steel Metal enclosed industrial socket, plug top and Isolators	Legrand / Seimens/ ABB /Havells / L&T / Schneider / C&S / G.E.



9.	MCCB	L&T / Legrand /Siemens / ABB/ Schneider / Havells
10.	LED indication light & push button	BCH / C&S / L&T / Siemens
11.	300 mm Sweep Exhaust Fan 900 rpm heavy duty	Orient /Havells/ Alston/Usha/GE
12.	G.I. Pipe	Tata / Jindal Hisaar / Prakash Surya / Swastik/ Sail
13.	Phase indication light	BCH/ L&T /GE/C&S
14.	LED Luminaries	Philips/ Trilux / Wipro / GE / Osram
15.	LED Smart Bright Extra Batten	Philips Model No. BN021 LED 25S 6500 PSU GRS1 or equivalent in Wipro/Trilux
16.	14 watt LED aesthetically designed liner mirror light	Philips /Wipra / Trilux / Havells.
17.	21 watt wall mounted LED batten	Wipro Cat No.LM31-211-XXX-57-XX or equivalent in Philips / Trilux
18.	6 watt surface/recess mounted LED luminaire	Philips / Trilux / Wipro / Havells.
19.	12 watt surface mounted LED	Wipro cat No. LD80-101-XXX-60-SM or equivalent in Philips / Trilux
20.	10 watt LED type Bulkhead luminaires	Philips / Trilux / Wipro / Havells.

21.	80 watt LED fittings	Wipro cat no LF19-931-060-57-XX or equivalent in Philips / Trilux
22.	120 watt LED fittings	Wipro cat no -LF07-122-XXX-50-V5 or equivalent in Philips / Trilux
23.	Split AC	Hitechi / Carrier/ Blue Star /O-General.
24.	5 KVA Stabilizer	Blue bird / Logicstate/ PCI
25.	Octagonal Pole	Valmont/ Philips/ Crompton / Paruthi
26.	Aviation obstruction light fitting	Bajaj Cat no. BJAOL-1 or equivalent Philips/ Greaves / Philips / C&S
27.	Brass compression gland	Commet / Gripwell / Hensel /Dowells
28.	400mm Oscillating wall fan	Havells / Crompton Greaves/Alstorn /ALSTOM
29.	70mm dia HDPE pipe	AKG / Duraline / Rex
30.	LED SMD Panel Light	Philips / Trilux / Wipro / Havells.
31.	Hand Drier	Euronics / Dolphy
32.	Pole Box	Sinthex /AKG/MK/ Hansel.
33.	Straight through joint with heat shrinkable	M Seal / Denson / Raychem

	kit	
34.	Paint	Nerolac / Berger / Asian/ Shalimar.
35.	Change Over Switch	C&S / L&T / Seimens/ABB
36.	Geyser	USHA/ Havells/ Recold/Crompton.
37.	Pump motor starter	C&S / L&T / Seimens/ABB.

**Notes :**

1. The material shall be conforming to CPWD Specification/relevant IS Code / manufacturer specifications etc.
2. The above list is not exhaustive and as such materials beyond the above said list, if required, shall be used in the work only after due approval from the ESIC engineer.

**INTEGRITY PACT**

**(On Bidder's Letter Head )**

To,

The Addl. Commissioner – cum - Regional Director  
ESI Corporation  
Rajendra Bhawan, Rajendra Place,  
New Delhi - 110015

Subject : Submission of Tender for the work of: *Comprehensive Annual Repairs and Maintenance ( ARM ) of ESIC Model Hospital, Basaidarapur, New Delhi campus along with Nine ( 9 ) Dispensaries at Raghbir Nagar ( including staff quarters ), NIA Karampura, I – Block Karampura Mayapuri – I ( including Branch Office ) & Mayapuri – II, Madipur, Inderlok, Dwarka ( including Branch Office ) and Shastri Nagar ( including Branch Office ) in NCT of Delhi during 2019 – 20.*

Dear Sir,

I / We acknowledge that ESIC is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender / bid document.

I / We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I / We will stand disqualified from the tendering process. I / We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.

I / We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender / bid is finally accepted by ESIC. I / We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article - 1 of the enclosed Integrity Agreement.

I / We acknowledge that in the event of my / our failure to sign and accept the Integrity Agreement, while submitting the tender / bid, ESIC shall have unqualified, absolute and unfettered right to disqualify the tenderer / bidder and reject the tender / bid in accordance with terms and conditions of the tender / bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

INTEGRITY AGREEMENT

This Integrity Agreement is made at ..... on this ..... day of ..... 2018

**BETWEEN**

Addl. Commissioner – cum – Regional Director, ESIC, Rajendra Bhawan, Rajendra Place, Delhi – 15 ‘**Principal/Owner**’, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

**AND**

..... (Name and  
Address of the Bidder )

through..... (Hereinafter referred to as the ..... (Details of  
duly authorized signatory)

“**Bidder/Contractor**” and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

**PREAMBLE**

WHEREAS the Principal / Owner has floated the Tender (**NIT No** ..... ) (hereinafter referred to as “**Tender/Bid**”) and intends to award, under laid down organizational procedure, contract for:- **Name of Work:** *Comprehensive Annual Repairs and Maintenance ( ARM ) of ESIC Model Hospital, Basaidarapur, New Delhi campus along with Nine ( 9 ) Dispensaries at Raghbir Nagar ( including staff quarters ), NIA Karampura, I – Block Karampura Mayapuri – I ( including Branch Office ) & Mayapuri – II, Madipur, Inderlok, Dwarka ( including Branch Office ) and Shastri Nagar ( including Branch Office ) in NCT of Delhi during 2019 – 20.*

Hereinafter referred to as the “**Contract**”.

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as “**Integrity Pact**” or “**Pact**”), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

**Article 1: Commitment of the Principal/Owner**

- 1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
  - (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
  - (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
  - (c) The Principal / Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

**Article 2: Commitment of the Bidder(s)/Contractor(s)**

- 1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
- 2) The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
  - (a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.

## Re e-Tender

- (b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
- (c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- (d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
- (e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose (with each tender as per proforma enclosed) any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- 3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**
- 5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

**Article 3: Consequences of Breach**

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

- 1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may be forever or for a limited period as decided by the Principal/Owner.**
- 2) **Forfeiture of EMD/Performance Guarantee/Security Deposit:** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.
- 3) **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

**Article 4: Previous Transgression**

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.



- 3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

**Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors**

- 1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/ sub-vendors.
- 2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- 3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

**Article 6- Duration of the Pact**

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, CPWD.

**Article 7- Other Provisions**

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the **Head quarters of the Division** of the Principal/Owner, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the

Owner/Principal in accordance with this **Integrity Agreement/ Pact** or **interpretation thereof shall not be subject to arbitration.**

**Article 8- LEGAL AND PRIOR RIGHTS**

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....  
**(For and on behalf of Principal/Owner)**

.....  
**(For and on behalf of Bidder/Contractor)**

**WITNESSES:**

1. ....  
**(Signature, name and address)**

2. ....  
**(Signature, name and address)**

**Place:**

**Dated:**

LETTER OF TRANSMITTAL

(On Bidder's Letter Head)\_

To

The Addl. Commissioner – cum – Regional Director  
ESI Corporation  
Rajendra Bhawan, Rajendra Place  
New Delhi - 110015

**Subject :** Submission of Bid for the work of *Comprehensive Annual Repairs and Maintenance ( ARM ) of ESIC Model Hospital, Basaidarapur, New Delhi campus along with Nine ( 9 ) Dispensaries at Raghbir Nagar ( including staff quarters ), NIA Karampura, I – Block Karampura Mayapuri – I ( including Branch Office ) & Mayapuri – II, Madipur, Inderlok, Dwarka ( including Branch Office ) and Shastri Nagar ( including Branch Office ) in NCT of Delhi during 2019 – 20*

Sir,

Having examined the details given in Press / Web Notice and NIT / Bid Document for the above work, I / we hereby submit the relevant information.

1. I / We hereby certify that all the statements made and information supplied in the enclosed forms “A” to “E” and accompanying statement are true and correct.
2. I / We have furnished all information's and details necessary for eligibility and have no further pertinent information to supply.
3. I / we submit the requisite certified solvency certificate and authorize the **Addl. Commissioner – cum - Regional Director, ESIC, Delhi** to approach the Bank issuing the solvency certificate to confirm the correctness thereof. I/We also authorized **Addl. Commissioner – cum - Regional Director, ESIC, Delhi** to approach individuals, employers, firms and corporation to verify our competence and general reputation, if required.
4. I / we submit the following certificates in support of our overall suitability, technical competence for having successfully completed the following similar works for establishing our eligibility:

S.No.	Name of work	Certificate from
1		
...		
...		

Certificate:

It is certified that the information given in the enclosed eligibility bid are correct. It is also certified that I / We shall be liable to be debarred and disqualified for participating in the subject bid as well as in future in case any information furnished by me / us found to be incorrect by ESIC.

Enclosures : .....

Signature(s) of Bidder (s)

Date of Submission:

Seal of Bidder

TENDER

I / We have read and examined the Notice Inviting Tender and other contents such as technical and financial bid formats etc. of the bid document carefully and hereby tender for execution of the ARM work for ESI Corporation in terms of various terms and conditions as stipulated in the bid document.

We agree to keep the tender open for **sixty ( 60 ) days** from the due date of opening of financial bid and not to make any modifications in its term & conditions.

A sum of **Rs. \_\_\_\_\_/-** is hereby forwarded in the form of Demand Draft / Pay Order issued by a scheduled bank as Earnest Money. If I / We, fail to furnish the prescribed Performance Guarantee within prescribed period, I / We agree that the ESI Corporation shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, I / We agree commence work as specified and if I / We fail to commence work as specified, I / We agree that ESI Corporation shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained therein.

Further, I / We agree that in case of forfeiture of earnest money or Performance Guarantee as aforesaid, I / We shall be debarred for participation in the re-tendering process of the work.

I / We undertake and confirm that eligible similar work(s) has / have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I / We shall be debarred for tendering in ESIC in future for ever. Also, if such a violation comes to the notice of ESIC before date of start of work, the Addl. Commissioner – cum – Regional Director, ESIC, Delhi shall be free to cancel the Agreement and to forfeit the entire amount of Earnest Money Deposit / Performance Guarantee.

I / We hereby declare that I / We shall treat the tender documents and other records connected with the work as secret / confidential documents and shall not communicate information derived there from to any person other than a person to whom I / we am / are authorized to communicate the same or use the information in any manner prejudicial to the interest of ESIC / safety of State.

Dated: .....  
Signature of Witness:  
Name & Address:  
Occupation:  
Contact Details :

Signature of Bidder ( with Seal )  
Postal Address

**FORM OF PERFORMANCE GUARANTEE**

( BANK GUARANTEE BOND )

In consideration of Director General, ESI Corporation (hereinafter called " ESIC" or "Corporation") having offered to accept the terms and conditions of the proposed agreement between ESIC, as First Party and ....., as Second Party (Herein after called "the said contractor(s)") for the work ..... (Herein after called "the said Agreement") having agreed, to production of an irrevocable Bank Guarantee for Rs..... (Rupees .....only) as a security/guarantee from the contractors(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We ..... (*Indicate the name of Bank*) ..... (Hereinafter referred to as "Bank") hereby undertake to pay to the ESIC an amount not exceeding Rs..... (Rupees ..... ) only on demand by the ESIC.
  
2. We ..... do hereby (indicate the name of Bank) undertake to pay the amounts due and payable under this Guarantee without any demure, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor (s). 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 the ESIC any money so demand notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.
  
4. We ..... (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said Agreement have been fully paid and its claim satisfied or discharged or till ESIC certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor(s) accordingly discharges this guarantee.
  
5. We ..... (Indicate the name of Bank) further agree with the ESIC that the ESIC, i.e. First Party shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend 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 Corporation against the said contractor(s) and to forebear 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(s) or for any forbearance, act of omission on the part of the Corporation or any indulgence by the Corporation to the said

contractor(s) 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(s) i.e. Second Party.
  
7. We ..... (Indicate the name of bank) lastly undertake not to revoke this guarantee except with the previous consent of the Corporation in writing.
  
8. This guarantee shall be valid upto ..... unless extended on demand by Corporation. Now withstanding 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 this guarantee, all our liabilities under this guarantee, shall stand discharged.

**Dated, the .....Day of..... For.....(Indicate the name of the Bank)**

**Technical Bid Forms**

<b>S.No.</b>	<b>Form</b>	<b>Particular</b>
1.	A	DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED DURING THE LAST SEVEN YEARS ENDING PREVIOUS DAY OF LAST DATE OF SUBMISSION OF TENDERS
2.	B	PERFORMANCE REPORT OF INDIVIDUAL WORK REFERRED TO IN FORM "A"
3.	C	FINANCIAL INFORMATION
4.	D	FORM OF BANKER'S CERTIFICATE FROM A SCHEDULED BANK
5.	E	STRUCTURE & ORGANISATION

FORM 'A'

**DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED DURING THE LAST SEVEN YEARS ENDING PREVIOUS DAY OF LAST DATE OF SUBMISSION OF TENDERS**

S. No	Name of work and location	Organization	Cost of work in crores of ruppes	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation/ arbitration cases pending/in progress with details*	Name and Contact details of concerned officers of the organization	Whether the work was done on back to back basis  Yes / No
1	2	3	4	5	6	7	8	9	10

\* Including gross amount claimed and amount awarded by the Arbitrator.

Signature of Bidder(s).



FORM 'B'

PERFORMANCE REPORT OF INDIVIDUAL WORK REFERRED TO IN FORM "A"

1. Name of work & location
2. Agreement No.
3. Estimated cost
4. Tendered cost
5. Date of start
6. Date of completion
  - (i) Stipulated date of completion
  - (ii) Actual date of completion
7. (a) Whether case of levy of compensation for delay has been decided or not Yes/No  
  
(b) If decided, amount of compensation levied for delayed completion, if any
8. Performance Report
  - (1) Quality of work Outstanding/Very Good/Good/satisfactory/Poor
  - (2) Financial soundness Outstanding/Very Good/Good/satisfactory/Poor
  - (3) Technical Proficiency Outstanding/Very Good/Good/satisfactory/Poor
  - (4) Resourcefulness Outstanding/Very Good/Good/satisfactory/Poor
  - (5) General Behavior Outstanding/Very Good/Good/satisfactory/Poor

Dated:

Executive Engineer or Equivalent

FORM 'C'

FINANCIAL INFORMATION

Name of the Firm / Contractor : .....

S.No.	Particulars	Financial year		
		2015-16	2016-17	2017 – 18
1.	Gross Annual Turnover on maintenance Works (in lakh rupees )			

Signature of Chartered Accountant  
with Seal.

Signature(s) of Bidder(s)

Seal of the Bidder

FORM 'D'

FORM OF BANKER'S CERTIFICATE FROM A SCHEDULED BANK

This is to certified that to the best of our knowledge & information that M/s .....  
having marginally noted address, a customer of our bank is respectable & can be treated as good for any  
engagement upto a limit of Rs. ....

(Rupees .....).

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

SIGNATURE

(FOR BANK)

**Note:**

- (i) Bankers' Certificate should be on letter head of the bank and addressed to **Addl. Commissioner – cum - Regional Director, ESIC, Rajendra Place, Delhi.**
- (ii) In case of partnership firm, Certificate should include names of all partners as recorded with the bank.

**FORM 'E'**

**STRUCTURE & ORGANISATION**

1. Name & address of the bidder
2. Telephone no./Telex no./Fax no.
3. Contact Details of the authorized personnel
4. Legal status of the bidder (attached copies of original document defining the legal status)
  - (a) An Individual
  - (b) A proprietary firm
  - (c) A firm in partnership
  - (d) A limited company of Corporation
5. Particulars of registration with various Government Bodies / Departments / Organization (attached attested photocopy)

Organization / Place of Registration	Registration No.
1.	
2.	
3	....
6. Names and titles of Directors & Officers with designation associated with this work.
7. Designation of individuals authorized to act for the organization for this work.
8. Has the bidder or any constituent partner in case of partnership firm, ever been convicted by a court of law? if so, give details.
9. Any other information considered necessary with regard to this bid and for establishing the eligibility of the bidder.

**Signature of the Bidder**

**Seal of the Bidder**

**Financial Bid Forms**

<b>S.No.</b>	<b>Form</b>	<b>Particular</b>
1.	FB - 1	Manpower Deployment Schedule
2.	FB - 2	Supply of materials to be used for maintenance under civil work including plumbing and horticulture
3.	FB - 3	Supply of materials to be used for maintenance under electro - mechanical work
4.	FB - 4	Wholesome Items to be executed for maintenance under civil including plumbing and horticulture work
5.	FB - 5	Wholesome items to be executed for maintenance under electro - mechanical work

**Name of Work :** *Comprehensive Annual Repairs and Maintenance ( ARM ) of ESIC Model Hospital, Basaidarapur, New Delhi campus along at Nine ( 9 ) Dispensaries at Raghbir Nagar ( including staff quarters ), NIA Karampura, I – Block Karampura Mayapuri – I ( including Branch Office ) & Mayapuri – II, Madipur, Inderlok, Dwarka ( including Branch Office ) and Shastri Nagar ( including Branch Office ) in NCT of Delhi during 2019 – 20.*

**MANPOWER DEPLOYMENT SCHEDULE**

<b>S.No</b>	<b>Category</b>	<b>Minimum Qualification &amp; Experience / Skill Level</b>	<b>Manpower Required shift - wise</b>	<b>Total Manpower Required</b>	<b>Rates per person per month ( Rs. )</b>	<b>Amount per month ( Rs. )</b>
1.	Supervisor (Electrical )	Diploma in Electrical with 10 years experience ( Supervisory )	1 ( General Shift )	1	38479	38479
2.	Supervisor ( Civil )	Diploma in Civil with 10 years experience ( Supervisory )	1 ( General Shift )	1	38479	38479
3.	Supervisor ( Fire Safety )	Diploma in Fire Safety with 10 years experience ( Skilled )	1 ( General Shift )	1	38479	38479
4.	Electrician	ITI Certificate with 3 years experience	2 ( Per Shift ) + 2 ( General Shift )	8	26520	2,12,160
5.	Sub Station Attendant – cum DG Operator	ITI Certificate with 3 years experience in handling substation equipments and DG sets ( Highly Skilled )	2 ( Per Shift ) + 2 ( General Shift )	8	32875	2,63,000
6.	HVAC Attendant – cum – Technician	ITI with 5 years experience in specifically in maintenance of HVAC system ( both high and low sides ) ( Highly Skilled )	2 ( Per Shift )	6	34,438	2,06,628
7.	Firefighting Technician	Fire Safety Diploma with 3 years experience ( Highly Skilled )	4 ( Per Shift )	12	32,875	3,94,500
8.	Sewer Man	Unskilled	3 in 1 <sup>st</sup> & 2 <sup>nd</sup> Shift	6	23,082	1,38,492
9.	Pump Operator	ITI Certificate with 3 years experience ( Skilled )	2 ( Per Shift )	6	26,520	1,59,120
10.	Plumber	ITI Certificate with 3 years experience ( Skilled )	2 ( Per Shift ) + 2 ( General Shift )	8	26,520	2,12,160
11.	Carpenter	ITI Certificate / Trade Certificate with 3 years experience ( Skilled )	3 ( General Shift )	3	26,520	79,560
12.	Mason	ITI Certificate / Trade Certificate with 3 years experience ( Skilled )	3 ( General Shift )	3	26,520	79,560
13.	Lift and Escalator Mechanic / Technician	Trade Certificate with 3 years experience in Operation & maintenance of Lifts ( Skilled )	12 ( 1 <sup>st</sup> & 2 <sup>nd</sup> Shifts ) + 5 in 3 <sup>rd</sup> Shift	29	26,520	7,69,080
14.	Mali	Unskilled	5 ( General Shift )	5	23,082	1,15,410
15.	Khalassi / Helpers	Unskilled	#	37	23,082	8,54,034
	<b>Total</b>			<b>134</b>		<b>35,99,141</b>
	<b>Total amount for deployment of workmen during 2019 – 20 for 12 calendar months</b>					<b>4,31,89,692</b>

# Helpers shall be attached with Electrician, HVAC Plant technician, Firefighting Technician, Mali, Sewer Men, Carpenter, Mason etc.

Notes :

- General Duty Hours shall be from 9:00 am to 5:00 pm.
- Whole day has been split up into three ( 3 ) shifts of 8 hours duration each. { 1<sup>st</sup> Shift – ( 6:00 am to 2:00 pm ) } ; 2<sup>nd</sup> Shift – { ( 2:00 pm to 10:00 pm ) } ; 3<sup>rd</sup> Shift – { ( 10:00 pm to 6:00 am ) }

<u>Name of Work:</u>	<b>Comprehensive Annual Repairs and Maintenance (ARM) of ESIC Model Hospital, Basaidarapur, New Delhi Campus along with 09 Dispensaries at Ragubir Nagar (including staff quarters), NIA Karampura, I-Block Karampura, Mayapuri-I (including Branch Office) &amp; Mayapuri-II, Madipur, Inderlock, Dwarka (including Branch Office), Shastri Nagar (including Branch Office) in NCT of Delhi during 2019-20.</b>				
<b>Supply of materials under Civil work including Plumbing &amp; Horticulture work</b>					
S. No.	DESCRIPTION OF ITEM	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
1	Stone Aggregate (Single size) : 40 mm nominal size	cum	1677.36	10	16,773.60
2	Stone Aggregate (Single size) : 25 mm nominal size	cum	1677.36	10	16,773.60
3	Stone Aggregate (Single size) : 20 mm nominal size	cum	1744.45	33	57,567.00
4	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	1744.45	10	17,444.54
5	Stone Aggregate 10 mm nominal size	cum	1744.45	23	40,122.45
6	Cement (OPC-43 grade)	Per bag	382.44	175	66,926.66
7	White Cement	kg	15.03	1,397	20,995.72
8	Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	523.34	75	39,250.22
9	Brass hasps and staples (safety type) 115 mm	10 nos	872.23	10	8,722.27
10	Brass hasps and staples (safety type) 90 mm	10 nos	751.46	10	7,514.57
11	C.P. Brass Extension Nipple (1/2"x2" size)	each	60.38	100	6,038.50
12	Bright finished or black enameled mild steel screws 50 mm	100 Nos	103.33	3	309.98
13	Bright finished or black enameled mild steel screws 40 mm	100 Nos	84.54	3	253.62
14	Anodised Aluminium sliding door bolt 300x16 mm	each	201.28	150	30,192.48
15	Anodised Aluminium sliding door bolt 250x16 mm	each	174.45	100	17,444.54
16	Anodised Aluminium tower bolt (barrel type) 300x10 mm	10 Nos	791.71	20	15,834.28
17	Anodised Aluminium tower bolt (barrel type) 250x10 mm	10 Nos	657.53	10	6,575.25
18	Anodised Aluminium tower bolt (barrel type) 200x10 mm	10 Nos	523.34	72	37,680.22
19	Anodised Aluminium tower bolt (barrel type) 150x10 mm	10 Nos	415.99	83	34,526.78
20	Anodised Aluminium handles 125 mm with plate 175 x 32 mm	10 Nos	442.82	89	39,411.25
21	Anodised Aluminium handles 100 mm with plate 150 x 32 mm	10 Nos	375.73	66	24,798.09
22	Block board Flush Door with teak wood ply on both side 35 mm thk	Sqm	2415.40	24	57,969.56
23	Coarse sand (zone III)	cum	1610.27	30	48,307.97
24	Fine sand (zone IV)	cum	1019.83	29	29,575.21
25	Sand Cast iron plain shoe 100 mm dia	each	415.99	16	6,655.76
26	Spun yarn	Kg	67.09	9	603.85
27	Water Proofing material	kg	46.97	112	5,236.72
28	Wire nails kilogram	kg	80.51	35	2,817.96
29	Acid for cleaning titles	Litre	24.15	320	7,729.27
30	Epoxy based sealing Compound	kg	673.63	25	16,840.69
31	Bleaching powder	kg	23.48	132	3,103.28
32	C.I. bracket for wash basin and sinks	Pair	87.22	81	7,065.04
33	8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with S.S. traingular plate for European type W.C.(Hindware/ Kingston/Prima/Parco/Marc)	each	268.38	50	13,418.88
34	M.S. Holder bat clamp of approved design for 100 mm S.C.I. pipe	each	26.84	102	2,737.45

S. No.	DESCRIPTION OF ITEM	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
35	Mosquito proof coupling of approved design	each	40.26	50	2,012.83
36	S.C.I. gully or nahani grating 100 mm dia	each	24.15	200	4,830.80
37	Pig lead	kg	185.18	106	19,629.14
38	Flush pipe and spreaders G.I. for single set of one squatting plate urinal	each	234.83	100	23,483.04
39	G.I. Pipes B class 15mm	mtr.	103.33	176	18,185.27
40	G.I. Pipes B class 20mm	mtr.	132.85	114	15,144.55
41	G.I. tees (equal) 25 mm	each	53.68	400	21,470.21
42	G.I. Union 15 mm nominal bore each	each	40.26	228	9,178.51
43	G.I. Union 20 mm nominal bore each	each	67.09	78	5,233.36
44	G.I. Union 25 mm nominal bore each	each	107.35	50	5,367.55
45	G.I. Union 32 mm nominal bore each	each	147.61	10	1,476.08
46	G.I. Union 40 mm nominal bore each	each	214.70	10	2,147.02
47	G.I. Union 50 mm nominal bore each	each	268.38	10	2,683.78
48	C.I Grating 100X100mm	each	20.13	99	1,992.70
49	Unplasticised P.V.C. Connection pipe with brass union 45 cm long 15mm bore	each	46.97	64	3,005.83
50	White plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	442.82	50	22,141.15
51	Shower rose C.P. brass for 15 to 20 mm inlet 100 mm dia	each	67.09	100	6,709.44
52	Spun yarn	kg	67.09	10	670.94
53	C.P. brass toilet paper holder of standard size	each	248.25	50	12,412.46
54	H.P. or L.P. ball valve with polythene floats: 15 mm dia	each	281.80	223	62,840.62
55	H.P. or L.P. ball valve with polythene floats: 20 mm dia	each	315.34	23	7,252.90
56	H.P. or L.P. ball valve with polythene floats: 25 mm dia	each	308.63	25	7,715.86
57	Gunmetal non-return valve-horizontal (screwed end) 25 mm dia	each	442.82	25	11,070.58
58	Gunmetal non-return valve-horizontal (screwed end) 32 mm dia	each	603.85	25	15,096.24
59	Gunmetal non-return valve-horizontal (screwed end) 40 mm dia	each	751.46	25	18,786.43
60	Gunmetal non-return valve-horizontal (screwed end) 50 mm dia	each	1100.35	10	11,003.48
61	Vitreous china angle back Wash Basin 600x480mm	Each	972.87	9	8,755.82
62	Vitreous china pedestal type water closet	each	939.32	50	46,966.08
63	Bricks Class I / Class II	Nos.	6.98	1,950	13,606.74
64	Anodised Aluminium pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	60.38	150	9,057.74
65	Ply wood 5 ply with teak ply on one face and commercial ply on another face 9 mm thick.	Sqm	1140.60	71	80,982.94
66	Polyvinyl chloride sheet 400 micron thick	sqm	53.68	315	16,907.79
67	S.C.I Plain Bend S.C.I. S&S bends with access door 100 mm dia	each	389.15	39	15,176.75
68	S.C.I Plain Bend S.C.I. S&S bends with access door 75 mm dia	each	322.05	13	4,186.69
69	S.C.I Single equal tee S.C.I. S&S single equal junctions 100x100x100 mm	each	633.37	17	10,767.31
70	S.C.I Single equal tee S.C.I. S&S single equal junctions 75x75x75 mm	each	442.82	17	7,527.99
71	Vitreous china 10 litres low level cistern with fittings	each	1744.45	26	45,355.81
72	M.S. Butt hinges 125x90x4 mm	10 Nos	147.61	53	7,823.21
73	Aluminium hanging floor door stopper with twin rubber & stopper	each	36.23	251	9,093.97
74	Hydraulic door closer tubular type Aluminium section body	each	377.07	118	44,494.32
75	Oxidised M.S.casement stay (straight peg type) 300 mm not less than 0.33 kg	each	26.84	150	4,025.66



S. No.	DESCRIPTION OF ITEM	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
76	Rectangular shape 453x357 mm Mirror with Plastic moulded frame	each	402.57	221	88,967.17
77	Flexible (coil shaped) PVC waste pipe for sink and wash basin 32 mm dia with length not less than 700 mm i/c PVC waste fittings	each	37.57	400	15,029.15
78	Flexible (coil shaped) PVC waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings	each	40.26	100	4,025.66
79	Bottle Trap 32 mm size (Hindware/ Kingston/ Prima/ Parko / Marc)	each	872.23	50	43,611.36
80	White Vitreous china 10 litre (full flush) capacity controlled low level flushing cistern with all fittings	each	1073.51	20	21,470.21
81	Circular shape Manhole Cover of 500mm Dia with frame	Each	805.13	14	11,271.86
82	C.P. Brass bibcock 15 mm	each	402.57	200	80,513.28
83	C.P. Brass long body bibcock 15 mm	each	536.76	100	53,675.52
84	C.P. Brass stop cock (concealed) 15 mm	each	603.85	100	60,384.96
85	C.P. Brass angle valve 15 mm	each	523.34	50	26,166.82
86	Flushing Cistern P.V.C. 10 litre capacity (low level) (White) (with fittings, accessories and flush pipe)	each	805.13	200	161,026.56
87	P.V.C. automatic flushing cistern 5 litre capacity	each	657.53	21	13,808.03
88	15 mm C.P. brass tap with elbow operation lever	each	603.85	20	12,076.99
89	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Single lipped urinal	each	623.98	121	75,501.33
90	White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with waste fittings as per IS:2556	each	1217.09	21	25,558.94
91	Dash hold fastener 12.5mm dia, 50 mm long with 6 mm dia bolt	each	16.10	82	1,320.42
92	Double action hydraulic floor spring with stainless steel cover plate	each	2079.93	17	35,358.75
93	15 mm PTMT bib cock	each	100.64	348	35,023.28
94	15 mm PTMT bib cock long body with flange	each	163.71	226	36,998.54
95	15 mm dia PTMT stop cock (male thread)	each	100.64	75	7,548.12
96	20 mm dia PTMT stop cock	each	136.87	30	4,106.18
97	PTMT pillar cock	each	173.10	273	47,257.27
98	PTMT push cock 15 mm dia each	each	87.22	100	8,722.27
99	125 mm grating with waste hole	each	42.94	69	2,962.89
100	PTMT - Waste Coupling 31/32 mm	each	48.31	250	12,076.99
101	PTMT - Waste Coupling 38/40 mm	each	67.09	200	13,418.88
102	PTMT - Towel Ring 215x200x37 mm	each	181.15	33	5,978.11
103	PTMT - Towel Rail (600 mm)	each	226.78	100	22,677.91
104	PTMT Soap Dish/Holder 138x102x75 mm	each	114.06	98	11,177.93
105	PTMT Tower bolt 202x42x18 mm	each	93.93	48	4,508.74
106	Wall Tile	sqm	281.80	175	49,314.38
107	P.T.M.T. extension nipple 15 mm	each	25.50	56	1,427.77
108	P.T.M.T. extension nipple 25 mm	each	53.68	46	2,469.07
109	GI injection nipple 12mm dia, 75mm long	each	53.68	50	2,683.78
110	Stainless steel screws 30 mm	100 Nos	241.54	12	2,898.48
111	Stainless steel screws 20 mm	100 Nos	161.03	12	1,932.32
112	M.S. heavy weight butt hinges 100x75x3.5 mm IS: 1341 marked	10 Nos	201.28	10	2,012.83
113	Calcium Silicate tegular edged ceiling tiles 495x495 mm and 15 mm thick on edges	sqm	1154.02	100	115,402.37

S. No.	DESCRIPTION OF ITEM	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
114	Providing and fixing Gi Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	872.23	500	436,113.60
115	Gypsum False Ceiling Tiles of 600mm X 600mm	Sqm	644.11	45	28,984.78
116	Vitrified floor tiles	sqm	805.13	85	68,436.29
117	12 mm thick marine plywood conforming to IS: 710	sqm	895.04	150	134,255.89
118	Coupling/Socket fittings for 22.22 mm outer dia SS pipe	each	84.54	39	3,297.02
119	Coupling/Socket fittings for 28.58 mm outer dia SS pipe	each	119.43	39	4,657.69
120	G.I. Elbow 90° for 22.22 mm outer dia SS pipe	each	84.54	45	3,804.25
121	G.I Elbow 90° for 28.58 mm outer dia SS pipe	each	128.82	41	5,281.67
122	Reducing Tee for 22.22 mm X 15.88 mm outer dia SS	each	240.20	27	6,485.34
123	Reducing Tee for 28.58 mm X 22.22 mm outer dia SS pipe	each	366.34	27	9,891.06
124	elbow coupler GI 15mm	each	37.06	200	7,412.40
125	elbow coupler GI 20mm	each	64.73	100	6,472.80
126	elbow coupler GI 25mm	each	88.16	100	8,816.00
127	elbow coupler GI 32mm	each	145.00	20	2,900.00
128	elbow coupler GI 40mm	each	180.96	20	3,619.20
129	elbow coupler GI 50mm	each	342.20	20	6,844.00
130	GI elbow reducer 15mm/20mm	each	64.73	100	6,472.80
131	GI elbow reducer 15mm/25mm	each	88.16	50	4,408.00
132	GI elbow reducer 15mm/32mm	each	145.00	25	3,625.00
133	GI elbow reducer 25/40mm	each	180.96	50	9,048.00
134	GI elbow reducer 25/50mm	each	342.20	5	1,711.00
135	GI tee 15mm	each	54.52	200	10,904.00
136	GI tee 20 mm	each	88.16	150	13,224.00
137	GI tee 40 mm	each	266.80	50	13,340.00
138	GI tee 50mm	each	280.33	15	4,204.95
139	CPVC elbow 15 mm	each	16.59	100	1,658.80
140	CPVC elbow 20 mm	each	17.75	100	1,774.80
141	CPVC elbow 25mm	each	38.28	100	3,828.00
142	handle for flushing cistern	each	23.20	50	1,160.00
143	Vertical blind	sqm	1560.20	100	156,020.00
144	PVC washer	each	0.58	200	116.00
145	GI plug 20mm	each	21.17	50	1,058.50
146	GI plug 25mm	each	34.45	50	1,722.60
147	bright /matt finished Stainless Steel handles	each	292.32	100	29,232.00
148	Supply of PVC make Gamla of circular type 300mm Top and 100mm bottom with 300 mm height with PVC base plate at site	Nos.	116.00	50	5,800.00
149	Supply of seasonal plant with good earth and urea/manure for each plant in suitable quantity	Nos.	116.00	50	5,800.00
150	Providing of Areca Palm plant, having ht. 1.20 m to 1.50 m with 5 to 6 suckers, well developed, fresh and healthy with lush green foliage in 25 cm size of Earthen pot / Plastic pot.	Each	173.52	20	3,470.40
151	Providing of Livistona palm plant, having ht. 30 cm to 45 cm, well developed with 5 to 6 leaves, fresh & healthy foliage in 25 cm size of Earthen pot /Plastic pot.	Each	92.54	30	2,776.32

S. No.	DESCRIPTION OF ITEM	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
152	Providing Plant Creeper Rose variety 3 to 4 healthy branch 60 cm and above ht. well developed with one and above flowers in 25 cm Earthen Pot	Each	80.98	25	2,024.40
153	Bottle palm of plants ht. 210-240 cm bottom girth 30-35 cm well developed in big HDPE bags.	Each	404.88	20	8,097.60
154	Cassia siamea of plants height 150-165 cm. in big poly bags of plants size 25 cm	Each	69.41	25	1,735.20
155	Clerodendron inerme plant of ht. 30 cm to 40 cm multi branched in 25 cm size of Earthen Pot / Plastic Pot.	Each	23.14	50	1,156.80
156	Supply and stacking of plant Bauhinia tomentosa (yellow) of height 60-75 cm. in earthen pots of size 20 cm	Each	52.06	25	1,301.40
157	Cow dung Manure	Cum	57.84	8	462.72
	<b>TOTAL (Rs.)</b>				<b>3,497,257.29</b>

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<b>Supply of materials under Electro-mechanical work</b>					
<b>S.No.</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount (Rs.)</b>
	Providing of ISI marked, FRLS PVC insulated, single core copper conductor cable				
1	1.5 sq. mm	metre	5610	11.92	66,884
2	2.5 sq. mm	metre	3630	18.55	67,321
3	4 sq. mm	metre	2700	29.14	78,687
4	6 sq. mm	metre	840	42.39	35,608
5	10 sq. mm	metre	310	75.51	23,407
6	16 sq. mm	metre	370	117.90	43,622
7	16/0.20 mm (0.5 sq.mm) twin core FRLS PVC sheathed, flat flexible copper cable	metre	775	11.92	9,240
8	1 pair, 0.5 mm dia annealed copper conductor, FRLS PVC insulated, unarmoured, telephone cable.	metre	125	2.65	331
9	2 pair, 0.5 mm dia annealed copper conductor, FRLS PVC insulated, unarmoured, telephone cable	metre	1425	3.97	5,663
10	UTP 4 Pair CAT 6 LAN Cable	metre	600	31.79	19,076
11	20 mm dia. ISI marked, steel conduit	metre	340	56.96	19,367
12	20 mm junction box, two way	Each	93	19.87	1,848
13	20 mm dia. ISI marked, PVC conduit	metre	1965	13.83	27,176
14	25 mm dia. ISI marked, PVC conduit	metre	2095	18.55	38,853
15	40 mm dia. ISI marked, PVC conduit	metre	500	42.55	21,275
16	20mm dia PVC band	Each	296	6.24	1,847
17	25 mm dia P.V..C. Band	Each	296	8.48	2,509
18	40 mm PVC bends	Each	100	18.55	1,855
19	20 mm PVC Pipe couplers	Each	24	3.97	95
20	25 mm PVC Pipe couplers	Each	24	5.30	127
21	Modular GI box for 2 module	Each	165	29.81	4,918
22	Modular GI box for 4 module	Each	120	49.68	5,961
23	Modular GI box for 8 module	Each	26	86.77	2,256
24	Modular GI box for 12 module	Each	50	106.64	5,332
25	3 mm thick phenolic laminated sheet	sq.cm	28650	0.13	3,795
26	Ceiling Rose 3pin 5amp	each	107	15.90	1,701
27	S.P. 5/6 A, one way modular switch, ISI marked	each	1187	37.09	44,027
28	S.P. 5/6 A, two way modular switch, ISI marked	each	112	74.85	8,383
29	S.P. 15/16 A, one way modular switch, ISI marked	each	1143	83.46	95,390
30	3 pin 5/6 A modular socket outlet, ISI marked	each	660	78.82	52,021
31	6 pin 15/16 A modular socket outlet, ISI marked	each	618	126.51	78,182
32	Modular bell push, ISI marked	each	49	77.49	3,797

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<b>Supply of materials under Electro-mechanical work</b>					
<b>S.No.</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount (Rs.)</b>
33	Stepped type Modular Fan regulator(2 module)	each	215	277.52	59,667
34	Telephone Socket outlet modular type	each	135	70.87	9,568
35	T.V. Socket outlet modular type	each	109	70.87	7,725
36	Modular base & cover plate for 2 module	each	26	49.68	1,292
37	Modular base & cover plate for 4 module	each	36	73.52	2,647
38	Modular base & cover plate for 6 module		23	102.66	2,361
39	Modular base & cover plate for 8 module	each	13	131.81	1,713
40	S.P. 5/6 A, one way switch, piano type ISI marked	each	360	13.25	4,769
41	S.P. 5/6 A, two way switch, piano type ISI marked	each	135	22.25	3,004
42	S.P. 15/16 A, one way switch, piano type ISI marked	each	293	62.00	18,165
43	3 pin 5/6 A socket outlet, piano type ISI marked	each	204	25.43	5,189
44	6 pin 15/16 & 5/6 A socket outlet, piano type ISI marked	each	267	79.48	21,222
45	Bell push piano type	each	25	15.90	397
46	Telephone Socket outlet piano type	each	25	26.49	662
47	T.V. Socket outlet piano type	each	50	27.82	1,391
48	Brass pendant holder	each	50	45.04	2,252
49	Brass batten/ angle holder	each	70	50.34	3,524
50	Call bell/ buzzer, single phase	each	68	58.29	3,963
51	PVC Batten/ Angle Holder	each	512	23.84	12,208
52	32 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	each	20	1882.39	37,648
53	63 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	each	10	2656.00	26,560
54	100 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	each	5	5757.11	28,786
55	3 Pole MCCB, 100 A, 16KA	each	6	3502.48	21,015
56	3 Pole MCCB, 125 A, 16KA	each	6	3889.29	23,336
57	4 pole MCCB,100A,30KA IEC CERTIFIED	each	12	7153.33	85,840
58	4 pole MCCB, 125A, 36KA IEC CERTIFIED	each	5	7248.71	36,244
59	4 pole MCCB,250A, 36KA IEC CERTIFIED	each	14	16983.9	237,774
60	4 pole MCCB,400A, 50KA, IEC CERTIFIED	each	5	25877.8	129,389
61	4 pole MCCB,630A, 50KA, IEC CERTIFIED	each	5	32201.9	161,010

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<b>Supply of materials under Electro-mechanical work</b>					
<b>S.No.</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount (Rs.)</b>
62	6 amps to 32 amps, SP MCB, 10 KA	each	396	135.12	53,507
63	6 amps to 32 amps, SPN/DB MCB, 10 KA	each	69	480.07	33,125
64	6 amps. to 32 amps. ratings , DP MCB, "C" curve, 10 KA breaking capacity	each	136	491.46	66,839
	6 Amp to 32 amp, TP "C" curve MCB, 10 KA	each	8	761.70	6,094
65	6 amps to 32 amps, TPN MCB, 10 KA	each	67	1027.96	68,873
66	2 Pole Isolator 40 amp	each	66	274.21	18,098
67	2 Pole Isolator 63 amp	each	65	320.58	20,837
68	4 Pole Isolator 40 amp	each	73	703.41	51,349
69	4 Pole Isolator 63 amp	each	43	710.03	30,531
70	4 Pole Isolator 100 amp	each	25	918.01	22,950
71	25 Amps. rating ,2 pole RCCB, 30mA	each	7	1846.62	12,926
72	40 Amps. rating ,2 pole RCCB, 30mA	each	7	2014.85	14,104
73	63 Amps. rating ,2 pole RCCB, 30mA	each	4	2559.30	10,237
74	40 amps. rating, 4 pole RCCB, 30mA	each	20	2497.04	49,941
75	63 amps. rating, 4 pole RCCB, 30mA	each	20	2648.06	52,961
76	20 amps, SPN, Industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	each	166	649.10	107,750
77	8 way, SPN, double door , MCB DB	each	5	1412.12	7,061
78	12 way, SPN, double door , MCB DB	each	5	1704.88	8,524
79	Sheet Steel DP MCB enclosure	each	62	196.05	12,155
80	Sheet Steel TPN MCB enclosure	each	62	223.87	13,880
81	Brass compression gland for (28 mm) 4 X 16 sq. mm, 1.1 KV grade cable	Set	32	78.16	2,501
82	Aluminium lugs for 16 sq. mm cable	each	82	2.65	217
83	Aluminium lugs for 25 sq. mm cable	each	82	2.65	217
84	32 MM Dia. G.I. pipe (medium class)	meter	16	272.89	4,366
85	Steel fastener 6 mm X 75 mm	each	170	7.29	1,239
86	PVC fastener 40mm long	each	170	0.66	113
87	GI saddles 19mm x 0.55mm for conduit	each	210	1.32	278
88	GI saddles 25mm x 0.90mm for conduit above 25mm	each	210	1.32	278
89	G.I. nuts and through bolts with washer	each	47	34.44	1,619
90	Clamps, bolts, nuts etc.	Set	20	148.37	2,967
91	Rubber reel, nut & bolts with washers and safety pin	Set	12	79.48	954
92	Cotton waste, cleaning cloth etc.	KG	6	60.94	366
93	Cleaning materials like soap/ detergent kg 52.00	KG	6	68.88	413

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<b>Supply of materials under Electro-mechanical work</b>					
S.No.	Description	Unit	Qty	Rate	Amount (Rs.)
94	Fan Capacitor 2 to 4 MFD	each	346	60	20,760
95	Ventilating Fans (Exhaust Fans) 450MM	each	55	2600	143,000
96	Ventilating Fans (Exhaust Fans) 380MM	each	34	2241	76,194
97	Ball Bearing	each	217	60	13,020
98	Bush	each	100	15	1,500
99	combined box 2 module	each	100	85	8,500
100	thermostats of geyser	each	20	300	6,000
101	thermostats of oven/Grill	each	20	100	2,000
102	heating element of Geyser	each	25	700	17,500
103	5A 3pin Plug Top	each	58	38	2,204
104	15A 3pin Plug Top	each	33	60	1,980
105	Bed Switch	each	20	25	500
106	Submersible Copper Cable 3 x 1.5 sqmm	metre	150	49	7,350
107	Submersible Copper Cable 3 x 2.5 sqmm	metre	150	70	10,500
108	Red Grease for bearings of fan ,motors,pumps etc.	kg	10	150	1,500
109	Supply at Site 135AH 12V DC Battery	each	5	10200	51,000
110	Supply at Site 150AH 12V DC Battery	each	5	12000	60,000
111	HRC fuses low voltage DIN type 32/63A	each	5	202	1,010
112	HRC fuses low voltage DIN type type 250A	each	5	475	2,375
113	HRC fuses low voltage DIN type type 500A	each	5	1000	5,000
114	HRC fuses low voltage DIN type type 630A	each	5	1025	5,125
115	LED Tube 18 Watt T-5	Each	529	450	238,050
116	PVC insulated Tape	Each	109	20	2,180
117	Supply of surface & wall mounted LED Batten Tube Light Make bajaj BCLSB 18 NW & Its equivalent	Each	100	600	60,000
118	Supply of surface mounted 36 W LED Tube Light (Bajaj Make BCTBLS 36W ZT WH & its equivalent LED Panel 2 x 2 feet)	Each	10	4228.5	42,285
119	Supply of Wall Fan	Each	9	2569	23,121
120	Supply of Ceiling Fan (1200 MM)	Each	8	1954	15,632
121	Supply & Replacement of external post top lamp/ Street Light 30W LED( Bajaj Make BLPTSP 25W NW LED & its equivalent)	Each	6	4309	25,854

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<b>Supply of materials under Electro-mechanical work</b>					
<b>S.No.</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount (Rs.)</b>
122	Supply high mast light 90 W LED	Each	3	8114	24,342
123	pole junction Box with clamp of size 150X200 MM (approx) and 2 nos. Aluminium strip and 1 no. 6 A SP MCB ( Sintex Make) PVC or similar fot street light.		12	750	9,000
124	Supply of 25Watt LED Roof top light Fixture on existing Pole Refer Philips Smart or equivalent	Each	12	2869	34,428
125	Aluminium Cable 95 Sq mm 4 core - XLPE armoured Make-Polycab Cables or equivalent (Rates are taken after 15% discount)	Meter	50	486	24,300
126	Aluminium Cable 50 Sq mm 4 core - XLPE armoured Make-Polycab Cables or equivalent	Meter	25	294	7,350
127	Aluminium Cable 35 Sq mm 4 core - XLPE armoured Make-Polycab Cables or equivalent	Meter	25	227	5,675
128	Aluminium Cable 25 Sq mm 4 core - XLPE armoured Make-Polycab Cables or equivalent	Meter	25	175	4,375
129	Aluminium Cable 16 Sq mm 4 core - XLPE armoured Make-Polycab Cables or equivalent	Meter	310	151	46,810
130	63 amps DP MCB, 10 KA , "C" curve	each	25	390	9,750
	<b>Total (FB-3)</b>				<b>3,407,312.48</b>



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<b><u>Wholesome items under Civil work including Plumbing &amp; Horticulture work</u></b>					
S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
<b>A.</b>	<b><u>EARTHWORK</u></b>				
1	Carriage of materials by mechanical transport including loading, unloading and staking up to 5 km. lime, moorum, building rubbish.	Cum	138.04	8.36	1,154.02
2	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge:				
	All kinds of soil	sqm	61.31	50	3,065.52
3	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
	All kinds of soil	cum	145.70	100	14,569.90
4	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	cum	192.49	12	2,309.90
5	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :				
	All kinds of soil				
	Pipes, cables etc, not exceeding 80 mm dia	metre	159.70	100	15,969.62

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	metre	260.80	50	13,040.03
6	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	cum	145.47	80	11,637.41
7	Cleaning jungle including uprooting of rank vegetation, grass, brush wood, tree, and removal of rubbish up to a distance of 50 metre outside the area cleared.	Sqm	8.33	524	4,364.38
8	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	sqm	4.22	3000	12,666.96
<b>B.</b>	<b><u>CONCRETE WORK</u></b>				
9	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	"1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	cum	6341.52	10	63,415.20
	1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size).	cum	4580.58	10	45,805.81
	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	cum	5180.32	10	51,803.24
<b>C</b>	<b><u>R.C.C. Work</u></b>				
10	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	cum	6677.80	5	33,389.01
11	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	cum	8549.68	20	170,993.55
12	Centering and shuttering including strutting, propping etc. and removal of form for all heights :				

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
	Suspended floors, roofs, landings, balconies and access platform	sqm	488.52	200	97,703.33
	Stairs, (excluding landings) except spiral-staircases	sqm	485.10	100	48,510.41
<b>13</b>	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 6mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing with cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits.				
	40 mm thick	sqm	821.96	250	205,491.06
<b>14</b>	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete <b>upto/ above</b> plinth level.				
	Thermo-Mechanically Treated bars of grade Fe-500D or more	Kg	65.47	3000	196,424.64
<b>D</b>	<b><u>BRICKWORK</u></b>				
<b>15</b>	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	5496.71	10	54,967.09
<b>16</b>	Providing and laying autoclaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineerin- Charge. (The payment of RCC band and reinforcement shall be made for seperately).	cum	6578.84	50	328,941.86
<b>17</b>	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
	Cement mortar 1:4 (1 cement :4 coarse sand)	sqm	791.48	250	197,870.64
<b>18</b>	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry	sqm	65.76	200	13,152.82
<b>E</b>	<b><u>Granite /Marble work</u></b>				

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
19	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.	sqm	267.80	4000	1,071,196.80
20	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building, all complete as per the architectural drawings, with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand), laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.				
	Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	sqm	3398.33	200	679,666.27
					-
<b>F</b>	<b><u>WOOD &amp; PVC WORK</u></b>				
21	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately).				
	Second class teak wood	cum	107285.16	1	107,285.16
22	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.				
	Second class teak wood 35 mm thick	sqm	3539.35	25	88,483.63
23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	sqm	423.22	50	21,160.76
24	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	1804.32	200	360,863.76

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
25	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured):				
	Rectangular or square	sqm	188.10	20	3,761.91
26	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	sqm	147.78	20	2,955.62
27	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :				
	35 mm thick shutters with ISI marked M.S. pressed butt hinges bright finished of required size				
	Second class teak wood	sqm	3401.57	100	340,157.04
28	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete :				
	2nd class teak wood 50x12 mm	metre	138.41	105	14,533.17
29	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete : 25 mm dia	metre	536.58	117	62,780.06
30	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete :				
	20 mm dia	metre	256.93	500	128,462.64
31	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
	Fixed to steel windows by welding	kg	121.06	250	30,264.78
32	Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete.				
	With 2nd class teak wood beading 62X19 mm	sqm	979.17	250	244,793.34

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
	With 12 mm mild steel U beading	sqm	690.61	250	172,652.40
<b>33</b>	Providing and fixing 50 cm long aluminium kicking plate of size 100x3.15 mm, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete.	each	213.37	150	32,005.76
<b>34</b>	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
	1.0 mm thick	sqm	599.22	150	89,883.36
<b>35</b>	Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm ( $\pm 0.2$ mm), made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self taping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.	metre	710.85	150	106,628.04

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
36	35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded solid PVC profiles, 5 mm ( $\pm 0.2$ mm) thick, having styles & rails (except lock rail) of size 95 mm x 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitered cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5 mm thick solid PVC Lock rail of size 115 mm x 35 mm, out of which 75 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet Decorative finish (wood grained finish)	sqm	3749.30	50	187,465.22
<b>G</b>	<b><u>STEEL WORK</u></b>				
37	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	78.20	200	15,639.94
38	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.				
	Using M.S. angles 40x40x6 mm for diagonal braces	sqm	3320.31	10	33,203.05
39	Providing and fixing ball bearing for rolling shutters.	each	438.77	12	5,265.29

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
40	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge:				
	Profile B				-
	Fixing with adjustable lugs with split end tail to each jamb	metre	393.72	50	19,685.84
41	Welding by gas or electric plant including transportation of plant at site etc. complete.	cm	3.30	4750	15,660.18
42	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 stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	kg	76.12	300	22,835.23
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	99.43	500	49,713.48
43	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.				
	M.S. tube	kg	106.43	200	21,285.12
44	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :				
	4.0 mm thick glass panes	sqm	797.09	100	79,709.30
	5.5 mm thick glass panes	sqm	1098.61	200	219,722.59
<b>H</b>	<b><u>FLOORING</u></b>				
45	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 (1 cement : 4 coarse sand) :				
	25 mm thick	sqm	1339.69	288	385,830.74



S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
46	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	sqm	1432.35	75	107,426.23
47	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	sqm	861.58	1000	861,584.64
48	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	763.72	500	381,859.68
49	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 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.				
	Size of Tile 500x500 mm	sqm	1143.44	250	285,859.74
	Size of Tile 600x600 mm	sqm	1294.92	500	647,460.96
50	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles and jointing with grey cement slurry @ 3.3kg/sqm	sqm	-539.59	550	-296,774.15
<b>I</b>	<b><u>ROOFING</u></b>				

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
51	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				
	In 75x75 mm deep chase	metre	176.99	100	17,699.04
52	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x 1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete	each	217.02	10	2,170.16
53	Providing and fixing 100 mm diameter and 60 cm long rain water spout in cement mortar 1:4 (1 cement : 4 fine sand).				
	Stone ware spout	each	105.10	10	1,050.95
54	Providing and fixing M.S. holder bat clamps of approved design to C.I. or S.C.I. rain water pipes embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc. :				
	100 mm diameter	each	193.59	150	29,038.57
	150 mm diameter	each	227.20	150	34,079.33
55	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
	75 mm diameter	metre	172.07	50	8,603.70
	110 mm diameter	metre	273.41	400	109,363.87
56	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
	Coupler				
	75 mm	each	75.13	10	751.34
	110 mm	each	118.75	20	2,374.91
	Single pushfit Coupler				
	75 mm	each	75.13	10	751.34
	110 mm	each	109.38	10	1,093.75
Bend 87.5°					

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
	75 mm bend	each	88.55	15	1,328.30
	110 mm bend	each	130.83	40	5,233.36
	Shoe (Plain)				
	75 mm Shoe	each	76.46	15	1,146.97
	110 mm Shoe	each	113.37	40	4,534.66
<b>57</b>	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
	75 mm	each	211.17	50	10,558.69
	110 mm	each	209.84	150	31,476.53
<b>58</b>	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	each	47.31	20	946.26
<b>59</b>	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part I	sqm	932.61	50	46,630.61
			0.00		

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
60	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rofigs incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866.The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified.				
	2 mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6" ) as specified	sqm	1144.65	150	171,698.04
61	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	sqm	636.70	200	127,340.54

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
62	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/ making, opening for services like diffusers, grills, light fittings, fixtures,				
	GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending. (refer to DSR 12.52 for complete specifications.)	sqm	1205.33	500	602,663.88
	12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS: 2095 part I, of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC ( Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing.	sqm.	1162.99	52	60,475.42

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
63	Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to form grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size(24x24X3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre	sqm	1732.77	250	433,192.68
<b>J</b>	<b><u>FINISHING</u></b>				
64	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand) 1:6 (1 cement: 6 fine sand)	sqm sqm	200.07 185.49	500 3000	100,034.28 556,478.64
65	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand) 1:6 (1 cement: 6 fine sand)	sqm sqm	231.65 214.24	500 1500	115,824.60 321,359.04
66	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	sqm	166.35	150	24,952.18
67	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	sqm	137.31	8000	1,098,497.28
68	White washing with lime to give an even shade : New work (three or more coats)	sqm	19.95	2500	49,887.00
69	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer	sqm	108.39	8000	867,137.28
70	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm	sqm	68.02	3000	204,059.52

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
71	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.				
	On steel work	sqm	141.71	100	14,170.80
72	Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
	Two coats	sqm	86.76	550	47,718.00
73	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.				
	With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	sqm	44.48	300	13,343.69
	With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ litre	sqm	37.65	250	9,413.46
<b>K</b>	<b><u>Repairs to Building</u></b>				
74	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including 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, all complete as per directions of Engineer-In-Charge.				
	With cement mortar 1:4 (1 cement : 4 fine sand)	sqm	306.32	1000	306,320.64
	With cement mortar 1:4 (1cement: 4 coarse sand)	sqm	317.89	400	127,155.46

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
75	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete, including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-In-Charge.				
	Door chowkhats	each	986.40	100	98,640.34
	Window chowkhats	each	612.53	100	61,252.56
	Clerestory window chowkhats	each	447.80	100	44,779.73
76	Fixing chowkhat in existing opening in brick/ RCC wall with dash fasteners/ Chemical fasteners of appropriate size (3 nos on each vertical member of door chowkhat and 2 nos on each vertical member of window chowkhats), including Cost of dash fasteners/ chemical fastener.	Each	182.72	40	7,308.66
77	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per directions of Engineer-In-Charge.				
	For door/ window/ clerestory window	sqm	631.90	130.1	82,210.45
78	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:				
	Float glass panes of thickness 4 mm	sqm	737.92	649	478,911.85
	Float glass panes of thickness 5.5 mm	sqm	1039.44	400	415,777.06
79	Renewing glass panes and refixing existing wooden filllets: Float glass panes of thickness 4 mm	Sqm	796.63	120	95,595.64
80	Renewal of old putty of glass panes (length)	metre	29.44	787	23,169.72
81	Refixing old glass panes with putty and nails	sqm	382.61	100	38,261.16



S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
82	Renewing bottom rail and/or top runner of collapsible gate including making good all damages and applying priming coat of zinc chromate yellow primer of approved brand and manufacturer.	Kg	166.69	119	19,836.69
83	Renewing Wrought iron or M.S. Wheel or roller of steel door or gate and fitting and fixing the same with necessary clamps, nuts and bolts/welding and erection etc. Complete Wheel 50 mm dia and below	Per Wheel	141.88	32	4,540.21
84	Providing and fixing M.S. round or square bars with M.S. flats at required spacing in wooden frames of windows and clerestory windows.	Kg	71.49	305	21,804.52
85	Providing and fixing 150 mm bright finished floor brass door stopper with rubber cushion, necessary brass screws etc. to suit shutter thickness complete.	Each	244.26	25	6,106.46
86	Providing and fixing chromium plated brass butt hinges with necessary chromium plated brass screws etc. complete. 125x70x4 mm (ordinary type)	Each	181.56	136	24,692.13
87	White washing with lime to give an even shade :				
	Old work (two or more coats)	sqm	11.86	5000	59,286.00
	Old work (one or more coats)	sqm	7.29	6454.4	47,038.63
88	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	sqm	9.66	11338	109,516.92
89	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :				
	Old work (one or more coats)	sqm	38.58	32744	1,263,239.94
90	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	sqm	12.49	10202	127,458.07
91	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
	Old work (one or more coats)	sqm	50.44	100	5,043.65

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
92	Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture on old work : 100 mm diameter pipes	Meter	19.84	379	7,519.03
93	Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour on old work :				
	75 mm diameter pipes	metre	15.67	150	2,351.20
	100 mm diameter pipes	metre	20.19	200	4,037.23
	150 mm diameter pipes	metre	28.92	100	2,892.00
94	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: One or more coats on old work	sqm	63.91	5000	319,566.00
95	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	59.34	7124	422,765.52
96	Re-lettering with black Japan paint of approved brand and manufacture.	Per letter per cm height	1.97	1500	2,949.84
97	Finishing walls with water proofing cement paint of required shade : Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 litres/10 sqm complete including cost of Priming coat.	Sqm	64.43	6980	449,747.64
98	Finishing walls with textured exterior paint of required shade : Old work (Two or more coats on existing cement paint surface applied @ 3.28 ltr/10 sqm.	sqm	144.31	3000	432,932.40
99	Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the direction of Engineer-In- Charge.	Sqm	426.74	654	279,090.26
<b>L</b>	<b><u>ROUTINE MAINTENANCE WORK</u></b>				

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
100	Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank, including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba, all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)	litre	0.23	101000	23,367.36
101	Cleaning and desilting of gully trap chamber, including removal of rubbish mixed with earth etc. and disposal of same, all as per the direction of Engineer-in-charge.	each	55.01	664	36,523.88
102	Cleaning of choked sewer line by diesel running vehicle mounting hydraulic operated high pressure suction cum jetting sewer cleaning machine fitted with pump having 4000 litres suction capacity and 6000 litres water jetting tank capacity including skilled operator, supervising engineer etc. for cleaning and partial desilting of manholes and dechocking of sewer lines. Dechocking and flushing of sewer line from one manhole to another by high pressure jetting system of 2200 PSI for sewer line from 150mm dia upto 300mm dia for all depth.	metre	251.95	1688	425,293.36

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
103	Cleaning of under ground sump, Over Head R.C.C. Tank ( independent staging) including disposal of slit and rubbish, all as per direction of Engineer-in-Charge. The cleaning shall consist following operations:(i) Tank shall be emptied of water by pumping & bottom shall be cleaned of slit and other deposits. (ii) Entire surface area of the sump shall then scrubbed thoroughly with wire brush etc. and pressure washed with water. (iii) Chlorination of RCC internal surface by liquid chlorine. (iv) The treated surface shall be dried using air jetting and all loose particles shall be removal from the surface. (v) Finally the surface shall be treated with ultraviolet radiation etc. as per direction of Engineer-in-Charge.	sqm	47.08	1495	70,387.23
104	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in- charge.	each	211.06	10	2,110.58
105	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge. Long pattern W.C Pan of size 580x440 mm	Each	2189.59	18	39,412.64
	Orissa pattern W.C Pan of size 580x440 mm	each	2461.50	75	184,612.27
106	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in- Charge.	each	64.14	50	3,207.23
107	Hacking of CC flooring including cleaning for surface etc. complete as per direction of the Engineer-in-Charge.	sqm	1.74	1730	3,001.90
108	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes within 50 metres lead as per direction of Engineer- in-Charge. (a) Internal Work - Exposed on wall	metre	2.31	698	1,614.89

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
109	Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	each	204.06	553	112,844.91
<b>M</b>	<b><u>DISMANTLING &amp; DEMOLISHING</u></b>				
110	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	711.61	25	17,790.14
111	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in - charge.	cum	1682.62	10	16,826.23
112	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	In cement mortar	cum	974.89	10	9,748.93
113	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
	Of area 3 sq. metres and below	each	182.60	30	5,478.03
	Of area beyond 3 sq. metres	each	250.33	30	7,509.95
114	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :				
	Of area 3 sq. metres and below	each	70.85	20	1,417.08
	Of area beyond 3 sq. metres	each	93.70	30	2,811.02
115	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	kg	2.78	200	555.26
116	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
	For thickness of tiles 10 mm to 25 mm	sqm	36.50	500	18,248.52

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
117	Demolishing mud phaska in terracing and disposal of material within 50 metres lead.	cum	432.59	50	21,629.27
118	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :				
	75 to 80 mm dia pipe	metre	35.80	50	1,790.15
	100 mm dia pipe	metre	36.96	400	14,783.90
119	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :				
	15 mm to 40 mm nominal bore	metre	73.63	500	36,815.16
	Above 40 mm nominal bore	metre	81.96	100	8,195.93
120	Dismantling of road gully chamber of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap.	each	459.42	50	22,971.16
121	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	452.54	50	22,627.01
122	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	sqm	25.91	3000	77,736.96
123	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	sqm	28.11	100	2,811.02
124	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	139.45	500	69,726.12
	<b>ROAD WORK</b>				

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
125	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	sqm	712.24	225	160,254.40
126	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	cum	5798.63	5	28,993.17
127	Taking out existing kerb stones of all types from footpath/ central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	metre	18.57	100	1,856.66
128	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	sqm	62.41	200	12,481.87
	<b>ALUMINIUM WORK</b>				

S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
<b>129</b>	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
	For fixed portion		0.00		-
	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	444.79	1000	444,789.60
	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	514.66	1000	514,660.32
<b>130</b>	Providing and fixing 12 mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge.				
	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	sqm	955.92	200	191,184.34



S. NO.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
131	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.				
	With stainless steel cover plate minimum 1.25 mm thickness	each	2376.53	20	47,530.60
132	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	kg	472.96	250	118,239.42
133	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc.to be paid separately).	sqm	5331.52	15	79,972.77
					-
<b>P</b>	<b><u>Water Proofing</u></b>				
134	Grading roof for water proofing treatment with Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	6459.34	25	161,483.50
135	PVC Flooring 2.0 mm thick	sqm	1500.00	400	600,000.00
136	1.5 mm thick PVC finishing as in Dado/skirting.	sqm	1200.00	300	360,000.00
137	Repair of rolling shutter	sqm	400.00	20	8,000.00

<b>S. NO.</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>RATE (Rs.)</b>	<b>QUANTITY</b>	<b>AMOUNT (Rs.)</b>
<b>138</b>	Providing and fixing 06 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc.to be paid separately).	sqm	1800.00	40	72,000.00
	<b>TOTAL "A"</b>				<b>22,770,384.98</b>

S. No.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
<b>Q</b>	<b><u>SANITARY INSTALATIONS</u></b>				
139	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :				
	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	each	4042.03	25	101,050.82
140	Providing and fixing wash basin with C.I. brackets, 15 mm PTMT pillar cock, 32 mm PTMT waste coupling of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required. White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm PTMT pillar cock.	each	1973.73	20	39,474.64
141	Providing and fixing Stainless Steel A ISi 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
	Kitchen sink without drain board 610x510 mm bowl depth 200 mm	each	2864.93	10	28,649.31
142	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required :				
	Size 450x300x150 mm	each	2767.76	10	27,677.60
143	Providing and fixing G.I. inlet connection for flush pipe connecting with W.C. pan.	each	111.75	300	33,524.06
144	Providing and fixing soil, waste and vent pipes :				
	100 mm dia				
	Sand cast iron S&S pipe as per IS: 1729	metre	998.09	250	249,521.76
	75 mm diameter :				
	Sand cast iron S&S pipe as per IS: 1729	metre	823.87	100	82,387.30

S. No.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
145	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 :				
	75 mm dia pipe	each	84.39	20	1,687.77
	100 mm dia pipe	each	99.43	50	4,971.35
146	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. :				
	For 100 mm dia pipe	each	193.59	150	29,038.57
	For 75 mm dia pipe	each	190.93	25	4,773.25
147	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
	100 mm dia				
	Sand cast iron S&S as per IS - 1729	each	394.18	50	19,708.98
	75 mm dia				
	Sand cast iron S&S as per IS - 1729	each	313.96	20	6,279.11
148	Providing and fixing double equal plain junction of required degree.				
	100x100x100x100 mm				
	Sand cast iron S&S as per IS - 1729	each	730.11	20	14,602.29
	75x75x75x75 mm				
	Sand cast iron S&S as per IS - 1729	each	489.96	5	2,449.81
149	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
	100x100x100 mm				
	Sand cast iron S&S as per IS - 3989	each	720.69	25	18,017.16
	75x75x75 mm				
	Sand cast iron S&S as per IS - 1729	each	418.76	25	10,469.04
150	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
	100 mm inlet and 75 mm outlet				
	Sand cast iron S&S as per IS - 3989	each	1241.02	10	12,410.15
	Sand Cast Iron S&S as per IS- 1729	each	905.08	5	4,525.40

S. No.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
151	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	each	11204.42	10	112,044.18
<b>R</b>	<b><u>WATER SUPPLY</u></b>				
152	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				
	Internal work - Exposed on wall				
	15 mm nominal outer dia Pipes	metre	165.36	200	33,072.91
	20 mm nominal outer dia Pipes	metre	208.17	100	20,816.62
	25 mm nominal outer dia Pipes	metre	250.10	100	25,010.02
	32 mm nominal outer dia Pipes	metre	334.37	100	33,437.30
	40 mm nominal outer dia Pipes	metre	445.95	100	44,594.64
153	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.				
	Concealed work, including cutting chases and making good the walls etc.				
	15 mm nominal outer dia Pipes	metre	284.80	200	56,960.83
	20 mm nominal outer dia Pipes	metre	329.51	100	32,951.45
	25 mm nominal outer dia Pipes	metre	385.91	50	19,295.42
154	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
	15 mm dia nominal bore	metre	330.50	200	66,099.55
	20 mm dia nominal bore	metre	365.78	200	73,156.03

S. No.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
155	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.				
	External work				
	15 mm dia nominal bore	metre	185.32	50	9,265.97
	20 mm dia nominal bore	metre	215.51	50	10,775.59
	25 mm dia nominal bore	metre	238.13	50	11,906.36
	32 mm dia nominal bore	metre	286.19	100	28,619.23
	40 mm dia nominal bore	metre	348.25	200	69,650.93
	50 mm dia nominal bore	metre	396.44	150	59,465.30
	80 mm dia nominal bore	metre	666.66	100	66,666.38
156	Constructing masonry Chamber 90x90x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size ), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size ) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :				
	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	each	13699.69	5	68,498.47
			0.00	0	-
157	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.				
	Circular tank	per litre	8.39	40000	335,472.00
158	Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks, including stacking of pipes at site lead up to 50 metre:				
	80 mm diameter C.I. pipe	metre	203.42	50	10,171.16
	100 mm diameter C.I. pipe	metre	211.87	150	31,780.19
	150 mm diameter C.I. pipe	metre	228.12	50	11,406.05
159	Supplying and fixing C.I. cover 300x300 mm without frame for gully trap (standard pattern) the weight of cover to be not less than 4.5 kg	each	323.44	50	16,172.06

S. No.	DESCRIPTION	UNIT	RATE (Rs.)	QUANTITY	AMOUNT (Rs.)
160	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality				
	M D - 10				
	Square shape 450 mm internal dimension	each	1248.59	50	62,429.60
161	Providing and fixing Battery based infrared sensor for operated urinals.	each	2500.00	25	62,500.00
162	Change of Urinal sensor battery/cell	each	20.00	200	4,000.00
163	Providing & fixing wall mounted health faucet (Brass) of approved colour i.e. silver/ ivory/ steel spray dia. 15 to 20 mm with 1 mtr.(minimum) flexible tube & wall hooks etc. complete in all	each	770.00	50	38,500.00
164	Providing and fixing oval shaped wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:				
	(a) White Vitreous China Wash basin Oval shape with a 15 mm CP Brass single hole basin mixer	each	2000.00	10	20,000.00
<b>TOTAL "B"</b>					<b>2,125,937</b>

S. No.	Description	Unit	Rate (Rs.)	TOTAL QUANTITY	Amount (Rs.)
165	Supplying and stacking sludge at site including royalty and carriage upto 5 km (sludge measured in stacks will be reduced by 8% for payment)	Cum	272.48	5	1362.4212
166	Supplying and stacking at site dump manure from approved source, including carriage upto 5 km (manure measured in stacks will be reduced by 8% for payment)				
	Screened through sieve of I.S. designation 4.75 mm	Cum	241.94	5	1209.7236
167	Making tree guard 53 cm dia and 2 m high as per design from empty coal tar drums, supplied free by the department, including providing and fixing four legs 40 cm long of 30 x 3 mm M.S. flat riveted to tree guard and providing and fixing 2 nos. M.S. sheet ring 50 x 0.5 fixed with rivete complete in all respect including painting inside and outside of tree guard with :				
	Two or more coats of synthetic enamel paint of approved quality and shade over a priming coat	Each	839.43	50	41971.596
168	Filling mixture of earth and sludge or manure in the desired proportion in trenches, flooding with water and levelling (cost of suppling of earth & Sludge or manure and mixing excluded)	Cum	12.38	10	123.7776
168	Providing and fixing of Tuflex Garden fencing Hexagonal net/or equivalent of green colour having contents ( Weight grams/sqm. 510 (+/- 8%)) in width of 60 cm. with bamboo of 90 cm. length. The bamboo should be painted with green colour paint of approved brand and manufacture (two or more coats) and fixed 30 cm. below ground level and 60 cm. above ground level at a distance of 1.50 mtrs. The net and bamboo should be binded with 2 mm. G.I. Wire at three places properly as per direction of Engineer-in-charge.	Sqm.	217.19	200	43437.84
<b>Total</b>					<b>24,984,426.96</b>



<b>Name of Work:</b>					
<b>Comprehensive Annual Repair and Maintenance (ARM) of ESIC Model Hospital, Basaidarapur, New Delhi campus along with Nine (9) Dispensaries at Ragubir Nagar (including staff quarters), NIA Karampura, I-Block Karampura, Mayapuri- I (including Branch Office) &amp; Mayapuri- II, Madipur, Inderlock, Dwarka ( including Branch Office), Shastri Nagar ( including Branch Office) in NCT of Delhi during 2019-20.</b>					
<b>Wholesome items under Electro- mechanical work</b>					
<b>S.No.</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>
1	Annual Comprehensive Repair/Maintenance & Servicing of HT ACBs 11 KV complete with Material with replacement of defective parts & testing etc.Checking/Testing of HT tripping system/Bushing transformers & HT Panels etc,Repairing of battery charger complete,Replacement of new DC Battery 12V, 25 Plates,De-Hydration of Transformers/ oil and refilling,Replacement of HT Panel indicators Lamps, Ammeters, Voltmeter,Calibration of HT Relays & testing etc.,Termination kit of HT panels/ Transformers,Jointing kit of 3 core, 240 sq mm HT Cable,Repairing of PTs of HT Panels & Testing with M&L,Painting of HT Panels/Transformers with two coats of enamel/ burger paints with M&L,Repairs/ replacement of HT meters,daily checking the moving parts,tightening of nuts and bolts etc.,weekly cleaning of electrical panels with blowers .Maintaing of work to permit boards and danger board board on each panel.	job/year	1	98500	98,500.00
2	Cleaning (Internal & External) &/Repair of Feeder compartments of MCC & Distribution Boards (Monthly) with air blower or vacuum cleaner including LT Air Circuit Breakers,Replacement of defective MCCB's, Main Switches, HRC Fuses, Voltmeters, Ameters, P.F Meters & Energy meter of MCC'S & Distribution Boards,Testing & Calibration of Relays on LT MCC, Over load, Master Relays etc.(monthly),Servicing/ Repairing/Replacement of damaged/defective parts of ACB's,Replacement of defective/damaged capacitors,LT Cable jointing Kits,Cleaning (External and Internal) of Distribution boards in the office premises and rectification of burnt thimble ,LED indication Lamps, wires, and components (Monthly),Replacement of D C battery 12 Volts ,25plates or higher,Replacement of contactors , fuses indicated lamps and control auxiliaries of capacitor panels, Indicating Instruments/ Meters and other small parts inside the panel ,	job/year	1	162216	162,216.00
3	Check the power supply positions in respect of all the panels placed in various floors of the multistoried building.Check the LED of panels through lamp test switch, Check any fault if indicated on any of the panels and rectify the same immediately,Maintain the wet riser system,Operational readiness of the entire system during mains failure,Fire circuit of each zone from the panels,Whether signals of fire and fault gets transmitted from zonal panel to main panel,Performance of the hooters,Performance of the manual call points,Monthly cleaning of the system and draining of the same etc., as required.Checking & replacing faulty smoke & heat detectors,FACP,Amplifier,RI & fire bells and any other parts, the contractor shall carry out the following operations in the presence of departmental officials. i. Check water pressure in the system (minimum 3.5 kg / sqm.) ii. Running of the fire hydrant pump and motor. iii. Check leakage etc. in the system. iv. Check of control panel. v. Check of bell and siren for its proper working. Replacement of damaged fuel line fittings, valves , sluice valves, gaskets, fasteners, pressure gauges etc.Replacement of bearings in motors at fire pumps including water supply;(including alignment) of capacity (a)75 HP motors (b)15 hp.(c) 3 hp to 5 hp.Rewinding of motor 75 kw with F class winding,10-20 hp,3.5hp,Repair and maintenance of water level indicators, presser switches, solenoid valves etc.,Painting of Fire hydrants and cabinets (internally and externally)	job/year	1	140920	140,920.00
4	Testing,Refilling & re installation of carbon dioxide (CO2) type fire extinguisher capacity 4.5 kg.	Nos	6	500	3,000.00
5	Refilling of Fire Extinguishers- CO2 type (22.5 Kg)	Nos	11	1240	13,640.00
6	Refilling of fire extinguishers - CO2 type 4.5 Kg	Nos	174	450	78,300.00
7	Refilling of fire extinguishers - M form type (9 ltr.)	Nos	9	310	2,790.00
8	Refilling of fire extinguishers - M form type (50 ltr.)	Nos	6	850	5,100.00
9	Testing,Refilling & re installation of ABC type fire extinguisher capacity 5 kg.	Nos	48	500	24,000.00
10	Refilling of fire extinguishers-Water Type (9 Kg.)	Nos	85	600	51,000.00

S.No.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
11	Painting with aluminium paint of Poles(Street light)	sq. mtr.	57	51.36	2,927.63
12	Enamel paint for painting metal board/panels/wall brackets	sq. mtr.	275	59.34	16,319.56
13	Painting of ceiling fan in installed position with one or more coats of spray painting with synthetic enamel paint of approved brand and manufacture to give an even shade, including cleaning of surface with detergent etc. as required.	each	400	135	54,000.00
14	Earthing with GI Earth Pipe 4.50 mtr. Long 40 mm dia l/c accessories with charcoal/ coke & salt as required.	set	22	5308	116,776.00
15	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	set	10	6216	62,160.00
16	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required	set	10	11794	117,940.00
17	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	metre	5	483	2,415.00
18	Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	metre	5	257	1,285.00
19	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required	metre	50	1009	50,450.00
20	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	metre	55	206	11,330.00
21	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	metre	165	128	21,120.00
22	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	metre	620	37	22,940.00
	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.				
23	Upto 35 sq.mm	metre	155	323	50,065.00
24	Above 35 sq.mm and upto 95 sq.mm	metre	50	338	16,900.00
25	Above 95 sqmm and upto 185 sq.mm	metre	25	352	8,800.00
26	Above 185sq.mm and upto 400sq.mm	metre	25	396	9,900.00
	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing RCC/ HUME/ METAL pipe as required.				
27	Upto 35sq.mm	metre	90	31	2,790.00
28	Above 35 sq.mm and upto 95 sq.mm	metre	50	47	2,350.00
29	Above 95 sqmm and upto 185 sq.mm	metre	25	64	1,600.00
30	Above 185sq.mm and upto 400sq.mm	metre	25	112	2,800.00
	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
31	Upto 35 sq.mm (clamped with 1mm thick saddle)	metre	230	39	8,970.00
32	Above 35 sq.mm and upto 95 sq.mm(clamped with 25x3mm MS flat clamp)	metre	50	104	5,200.00
33	Above 95 sqmm and upto 185 sq.mm(clamped with 25/40x3mm MS flat clamp)	metre	25	122	3,050.00
34	Above 185sq.mm and upto 400sq.mm(clamped with 40x3mm MS flat clamp)	metre	25	182	4,550.00
35	Supplying and making end termination with brass compression gland and aluminium lugs for following size of cable 3 & 1/2 X 25 SQMM.	Set	20	250	5,000.00
	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc.as required. (But without MCB/RCCB/Isolator)				
36	6 way, Double door	each	9	1661	14,949.00
37	8 way, Double door	each	7	1760	12,320.00
38	12 way, Double door	each	5	2053	10,265.00
	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/ Isolator)				

S.No.	Description	Unit	Quantity	Rate (Rs).	Amount (Rs.)
39	4 way (4 + 12), Double door	each	12	3068	36,816.00
40	6 way (4 + 18), Double door	each	8	3693	29,544.00
41	8 way (4 + 24), Double door	each	3	4601	13,803.00
42	SITC of 50 W LED Flood light Fixture.	Each	50	2265	113,250.00
43	SITC of 9 W LED Bulb	Each	200	150	30,000.00
44	Complete overhauling of Electric Motor and Monoblock pump upto 2HP i/c its oiling, greasing and change of packing.	Each	10	1500	15,000.00
45	Lifting and lowering of submersible pump set and increasing depth of suction pipe if required.	Each	12	4000	48,000.00
46	Supplying push button operated Direct on line starter with an antiweld silver cadmium oxide contactor with replacement fixed and moving contact and bimetallic thermal over load relay help in , help in anticorrosion treated sheet steel or iron clad enclosure and fixing the same to suitable capacity wire for 3 phase/ single phase motor upto 5 HP.	Each	10	1427	14,270.00
47	Rewinding of 1200 mm ceiling Fan with anneale and insulated Copper Wire with necessary insulating, separators vibration arresting shellac, etc including replacemnt of bearing if any transportation to and from the spot to workshop inclusive of releasing the refixing.	each	237	660	156,420.00
48	Rewinding of air Cooler motor/ exhaust Fan with anneale and insulated Copper Wire with necessary insulating, separators vibration arresting shellac, etc including replacemnt of bearing if any transportation to and from the spot to workshop inclusive of releasing the refixing.	each	50	660	33,000.00
49	Repair/Rewinding of Submersible pump sets of following capacity Up to 2 HP Single/Three phase motor with anneale and insulated Copper Wire with necessary insulating, separators vibration arresting shellac, etc including replacemnt of bearing if any transportation to and from the spot to workshop inclusive of releasing the refixing.	each	10	2000	20,000.00
50	Annual Mainteneace contract includes Cleaning, Repair & Maintenance Of High mast Lighting control Panels	Each	10	1500	15,000.00
51	Annual Comprehensive Repair/Maintenance for checking of cards installed inside in exchage i.e. power supply,CPU card etc.,Provision of gown type Modules with box,repairing to wiring / cabling work with Material and labour,Replacement/repair of 12V battery,Battery leads, terminals,battery charge, New Line Cards for extension /replacing of cards,S P C Cards,Main Supply Cards,Telephone Instruments etc. & top of Distilled water and other small parts inside the controlling circuitry.Checking & adjustment of controls/LED's.	job/year	1	40000	40,000.00
52	Supply Installation, Testing & commissioning of Compressor of 1.5/2 TR Split/ Window type AC As required including charging of R22 Gas.	Nos.	50	8500	425,000.00
53	Replacement of PCB 1.5/2 TR Split/ Window type AC as per satissfaction of Engineer in Charge.	Nos.	50	2148	107,400.00
54	Supply Installation, Testing & commissioning of 15 litre ISI Mark Reputed Make Geyser with copper tank	Nos.	5	3999	19,995.00
55	Supply Installation, Testing & commissioning of 25 litre ISI Mark Reputed Make Geyser with copper tank	Nos.	10	5500	55,000.00
56	Supply Installation, Testing & commissioning of 50 litre ISI Mark Reputed Make Geyser with copper tank	Nos.	10	7000	70,000.00
57	Replacement of heating element with capacity of 1.5 KW	Nos.	50	475	23,750.00
58	Replacement of heating element with capacity of 2.0 KW	Nos.	50	550	27,500.00

S.No.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
59	Replacement of heating element with capacity of 3 KW	Nos.	20	600	12,000.00
60	Annual Comprehensive Repair/Maintenance of Split type Air Conditioners of 1/1.5/2 TR rating . CAMC includes all maintenance work including Gas charging whenever required ,servicing, Motor Repair, relay replacement , Condenser & cooling Coil replacement and any other work required for smooth operation of Ac but excluding replacement of Compressor	job/year	189	4500	850,500.00
61	Annual Comprehensive Repair/Maintenance of Window type Air Conditioners of 1/1.5/2 TR rating . CAMC includes all maintenance work including Gas charging whenever required ,servicing, Motor Repair, relay replacement , Condenser & cooling Coil replacement and any other work required for smooth operation of Ac but excluding replacement of Compressor	job/year	121	4000	484,000.00
62	Annual Comprehensive Repair/Maintenance of Refrigerator/Deep freezer i/c comprising of replacement of any or all parts of Refrigerator Systems control panels, switches, bulb, cables, wires, copper pipes, drain pipes, Gas Charging ,replacement of relays, timers, thermostat & compressor, checking of current drawn by each refrigerator to know the healthy condition. The comprehensive service would i/c chemical service & wet service etc. as required. Checking Firmness of supporting arrangement for the compressor, blower, motor, air conditioners casing, Painting of the MS portion prone to rusting, Replacement of sheet metal part, front panel, outer wrapper / casing., Replacement of cooling and condenser coil. The filters shall be cleaned on weekly basis and record thereof shall be maintained. The history sheet of servicing/breakdown repairing of each and every unit shall be maintained. The copy of report shall be submitted along with the bill subsequent to the servicing activity. The cleaning/ minor repair of stabilizers shall be covered under the AMC contract. Cleaning of water coolers on weekly basis.	job/year	20	6230	124,600.00
63	Annual Comprehensive Maintenance / repair of water cooler including replacement of defective items maintains to functional.	job/year	50	2500	125,000.00
64	Annual Comprehensive Repair/Maintenance of Refrigerator/Deep freezer i/c comprising of replacement of any or all parts of Refrigerator Systems control panels, switches, bulb, cables, wires, copper pipes, drain pipes, Gas Charging ,replacement of relays, timers, thermostat & compressor, checking of current drawn by each refrigerator to know the healthy condition. Painting of the MS portion prone to rusting. The comprehensive service would i/c chemical service & wet service etc. as required.	job/year	10	5330	53,300.00
65	Supply & fixing of oil type Room Heater ISI Mark , 2KW and two step heat with reputed make	each	7	8159	57,114
<b>Total</b>					<b>4,218,900</b>

**FINANCIAL BIDDING SHEET**

S.no.	Sub – heads	Estimated Cost put to tender ( Rs. )	Quoted by the Bidder			
			Percentage above / below estimated cost		Amount ( Rs. )	
			In figures	In words	In figures	In words
1.	2.	3.	4.	5.	6.	7
1.	Manpower Deployment ( FB – 1 )	4,31,89,692/-				
2.	Supply of Materials under civil Work including Plumbing & Horticulture ( FB – 2 )	34,97,257/-				
3.	Supply of materials under Electro – Mechanical Work ( FB – 3 )	34,07,312/-				
4.	Wholesome items under civil work including Plumbing & Horticulture work ( FB – 4 )	2,49,84,427/-				
5.	Wholesome items under Electro – Mechanical Work ( FB – 5 )	42,18,900/-				
<b>Total</b>		7,92,97,588/-	<b>Total</b>			

( Signature of Bidder )  
Seal of the Bidder

Note :

- The Bidder is required to carefully go through the details of Manpower Deployment and Items ( Supply & Wholesome) mentioned in **Forms : ( FB – 1 ), ( FB - 2 ), ( FB – 3 ), ( FB – 4 ) & ( FB – 5 )** of the financial bidding documents before quoting his price in this financial bidding sheet as his bid shall be evaluated based on his total quoted price in Columns (6) & (7).
- The Bidder is required to mention his quoted percentage either above or below the estimated cost as mentioned in Column (3) against each sub – head both in figures and words in Columns ( 4 ) & ( 5 ).
- The Bidder is required to mention his quoted amount against each sub - head both in figures and words in Columns ( 6 ) & ( 7 ) which shall be based on his quoted percentage above or below estimated cost quoted by him in Columns ( 4 ) & ( 5 ).