



**Government
eProcurement
System**

eProcurement System Government of India

Tender Details

Date : 02-Jun-2026 03:12 PM

Print

Basic Details

Organisation Chain	Employees State Insurance Corporation ESIC Hospital-Ludhiana Punjab		
Tender Reference Number	GE-MISC/138/2024-GENL/ARM		
Tender ID	2026_ESIC_911117_1	Withdrawal Allowed	Yes
Tender Type	Open Tender	Form of contract	Works
Tender Category	Works	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Offline	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No

Payment Instruments

Offline	S.No	Instrument Type
	1	Demand Draft

Cover Details, No. Of Covers - 2

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical	.pdf	Upload Scan copy of Documents as per Eligibility Criteria on Page no 11-16 of tender document Link1
		.pdf	Upload Scan copy of Documents as per Eligibility Criteria on Page no 11-16 of tender document Link2
		.pdf	Upload Scan copy of Documents as per Eligibility Criteria on Page no 11-16 of tender document Link3
		.pdf	Upload Scan copy of Documents as per Eligibility Criteria on Page no 11-16 of tender document Link4
		.pdf	Upload Scan copy of Documents as per Eligibility Criteria on Page no 11-16 of tender document Link5
		.pdf	Upload Scan copy of Documents as per Eligibility Criteria on Page no 11-16 of tender document Link6
2	Finance	.xls	Upload the Financial Bid Filled BOQ For this Tender

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	Nil	Fee Payable At	Nil

EMD Fee Details

EMD Amount in ₹	9,10,000	EMD Exemption Allowed	No
EMD Fee Type	fixed	EMD Percentage	NA

Tender Fee Exemption Allowed	No		EMD Payable To	ESIC FUND Account No 1	EMD Payable At	LUDHIANA
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Work / Item(s)

Title	Tender for Comprehensive Annual Repair and Maintenance (ARM) of ESIC Medical College and Hospital, Bharat Nagar Chowk Ludhiana and Quarters during 2026-27				
Work Description	Tender for Comprehensive Annual Repair and Maintenance (ARM) of ESIC Medical College and Hospital, Bharat Nagar Chowk Ludhiana and Quarters during 2026-27				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Tender Value in ₹	4,55,00,954	Product Category	Civil Works	Sub category	ARMO
Contract Type	Tender	Bid Validity(Days)	60	Period Of Work(Days)	365
Location	ESIC MEDICAL COLLEGE AND HOSPITAL LUDHIANA	Pincode	141001	Pre Bid Meeting Place	LUDHIANA
Pre Bid Meeting Address	ESIC MEDICAL COLLEGE AND HOSPITAL BHARAT NAGAR LUDHIANA PUNJAB	Pre Bid Meeting Date	12-Jun-2026 02:00 PM	Bid Opening Place	LUDHIANA
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates

Publish Date	02-Jun-2026 02:30 PM	Bid Opening Date	23-Jun-2026 02:00 PM
Document Download / Sale Start Date	02-Jun-2026 02:30 PM	Document Download / Sale End Date	22-Jun-2026 01:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	02-Jun-2026 06:00 PM	Bid Submission End Date	22-Jun-2026 01:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	NIT FOR THIS TENDER	863.84

Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	Tender02jun26.pdf	Tender for Comprehensive Annual Repair and Maintenance (ARM) of ESIC Medical College and Hospital, Bharat Nagar Chowk Ludhiana and Quarters during 2026-27	16133.29
	2	BOQ	BOQ_957567.xls	BOQ Tender for Comprehensive Annual Repair and Maintenance (ARM) of ESIC Medical College and Hospital, Bharat Nagar Chowk Ludhiana and Quarters during 2026-27	281.00

Tender Inviting Authority

Name	DEAN
Address	DEAN ESIC MEDICAL COLLEGE AND HOSPITAL BHARAT NAGAR LUDHIANA PUNJAB



**EMPLOYEES' STATE INSURANCE CORPORATION
ESIC MEDICAL COLLEGE AND HOSPITAL
BHARAT NAGAR CHOWK LUDHIANA**

Notice Inviting Tender for ARM work during (2026 – 27)

Name of Work: *Comprehensive Annual Repair and Maintenance (ARM) of ESIC Medical College and Hospital, Bharat Nagar Chowk Ludhiana and Quarters during 2026-27.*

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**EMPLOYEES' STATE INSURANCE CORPORATION
MEDICAL COLLEGE AND HOSPITAL
LUDHIANA**

NOTICE INVITING e – TENDER

The Dean, ESIC Medical College and Hospital Ludhiana Punjab invites on behalf of the Director General, ESI Corporation online percentage rate tender (in two bid) 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 Repair and Maintenance (ARM) of ESIC Medical College and Hospital, and Staff Quarters at Ludhiana during 2026-27.</i>
2	Estimated Cost	Rs. 4,55,00,954/-
3	Earnest Money Deposit	Rs. 9,10,000/-
4	Period of Work	12 Months
5	Availability of e - Tender / Bid document	https://eprocure.gov.in/eprocure/app and www.esic.gov.in
6	Date and Time of opening of Financial Bids	Shall be communicated to only technically qualified bidders subsequently.
7	Period during which hard copies (in original) of DD / Pay Order for EMD, other documents as per NIT to be submitted to ESIC Medical College and Hospital Ludhiana. If asked.	Only EMD to be submitted in Hard Copy at or before 20.06.2026 & 1.00 PM at Address Dean PA Cell ESIC Medical College and Hospital, Bharat Nagar Chowk Ludhiana.
8.	Date of Pre-Bid Meeting and Time	12.06.2026 @ 2 PM at ESIC Medical College and Hospital Bharat Nagar Chowk Ludhiana.

Any change in the tender shall be uploaded in the below mentioned website only, hence the tenderers may visit the website regularly (<https://eprocure.gov.in/eprocure/app> & www.esic.gov.in) to make themselves aware about the information related to the bidding.

DEAN



**ESIC MEDICAL COLLEGE AND HOSPITAL LUDHIANA
EMPLOYEES' STATE INSURANCE CORPORATION
(Ministry of Labour & Employment, Government of India)
ESIC Medical College and Hospital
Bharat Nagar Chowk Ludhiana
Phone: 01612772435**

Instructions for Online Bid Submission

E-Request for Proposal

“Comprehensive Annual Repair and Maintenance (ARM) of ESIC Medical College and Hospital, and Quarters at Ludhiana during 2026-27.”

1. INTRODUCTION

1.1 The Employees' State Insurance Corporation (ESIC) is an autonomous body under the aegis of the Ministry of Labour and Employment, Government of India. The main objective of the organization is to provide certain benefits to organized sector employees in case of sickness, maternity and 'employment injury' and to make provision for certain social benefits etc.

1.2 ESIC is inviting online bids through two-bid system.

1.3 The tender documents are available on website **<https://eprocure.gov.in>** and the same can be downloaded as per the schedule given in the CRITICAL DATE SHEET.

1.4 Bidders/Contractors are advised to follow the instructions provided in the 'Instructions to the Contractors/Tenderers for the e-submission of the bids online through the Central Public Procurement Portal for e-Procurement at **<https://eprocure.gov.in>**. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

1.5 Not more than one tender can be submitted by one contactor or contractors having business relationship. Under no circumstances, will father and his son(s) or other close relations who have business relationship with one another (i.e. when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

1.6 Bidders, who have downloaded the tender from Central Public procurement Portal (CPPP) website <https://eprocure.gov.in>, shall not modify the tender form including downloaded price bid template in any manner. In case the same is found to be tampered with / modified in any manner, tender will be completely rejected and EMD shall be forfeited and the bidder is liable to be banned from doing business with ESIC.

1.7 ESIC reserves the right to reject any or all tenders or cancel/withdraw the request inviting proposal without assigning any reason whatsoever and in such case no intending bidder shall have any claim arising out of such action.

1.8 Further clarifications, if any can be obtained from:

Dean

**Employees' State Insurance
Corporation,**

Medical College and Hospital,

Bharat Nagar Chowk Ludhiana.

Email- dean-ludhiana.pb@esic.gov.in 01612772435

2.1 The amount of Earnest Money Deposit (EMD) of Rs 9,10,000/- which shall be in the form of deposit at call receipt of a Scheduled Bank/ Fixed Deposit receipt of Scheduled Bank/Demand Draft of scheduled Bank issued / drawn in favor of ESI FUND ACCOUNT No.1.

2.2 ESIC will refund the EMD to all the unsuccessful applicants upon signing of Investment Management Agreement with the successful Portfolio Managers. No interest shall be payable on the EMD amount.

2.3 ESIC reserves the right to forfeit the Earnest Money Deposit if the applicant fails or refuses to accept the offer from ESIC. ESIC may also decide to debar the said applicant from future assignments.

INDICATIVE CRITICAL DATE SHEET

Date of Publishing	02.06.2026
Bid Document Download Starts	02.06.2026
Bid Submission Starts	02.06.2026
Bid Submission Ends	22.06.2026
Bid Opening Date	23.06.2026
Financial Bid Opening Date	Shall be communicated to only technically qualified bidders subsequently.

**Employees' State Insurance
Corporation,
Medical College and Hospital,
Bharat Nagar Chowk Ludhiana.**

Instructions for Online Bid Submission

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app> .

REGISTRATION

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “**Online bidder Enrollment**” on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents/ tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

- 1) Bidder should consider any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy,

annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” or “Other Important Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

- 1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as “offline” to pay the tender fee / EMD as applicable and enter details of the instrument / scan copy.
- 4) Bidder should prepare the EMD as per the instructions specified in the tender document. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise, the uploaded bid will be rejected.
- 5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- 6) The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

- 7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 9) Upon the successful and timely submission of bids (i.e. after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

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 -IIIB Digital Signature Certificate (DSC) having signing and encryption facilities to participate in this e – tendering process

4. **Eligibility Criteria**

- (i) The Bidder should have followed work experience during last seven (7) years ending March, 2018:

Three similar completed works each costing not less than 40% of the estimated cost.

OR

Two similar completed works each costing not less than 60% of the estimated cost.

OR

One similar completed work of aggregate cost not less than 80% of the estimated cost.

(Their completion certificate along with cost of the work, period and nature of work in the prescribed Performa (Form A) of the concerned department duly signed by the competent authority should be furnished)

Similar work shall mean works of:

Comprehensive Civil & Electrical Annual Repair Maintenance & Operation of Medical college and Hospital/ 300 bedded Hospital/ having attached Residential Buildings and other ancillary structures including services.

- (ii) Should have an average annual financial turnover of 50% of tender cost on maintenance works during the last three financial years (2021-22, 2022-23 & 2023-24) ending 31st March 2024.

5. **The Earnest Money Deposit (EMD) for Rs. 9,10,000/- (Nine lakh Ten Thousand Only) should be paid in the form of Demand Draft / Pay Order, drawn from any Scheduled Bank in favor 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.
13. Any discrepancy is noticed between the soft (as uploaded online).
14. 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.
15. 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.
16. 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.
17. 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.
18. **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 Average Financial Turnover of 50% of tender amount from Chartered Accountant as per Form – C.**
 - (vi) **Details of organizational structure of the bidder as per Form – E.**
 - (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 Central Government or any State/UT Government.**
19. The bid is invited from the intending and eligible bidders for twelve (12) months during financial year 2026 – 27 with effective from _____. However, depending upon the satisfactory performance, the tenure 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.
20. 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 bidder 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.
21. 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.
22. 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. If the quoted bid amount is less than 80% of the estimated cost put to tender, the bidder shall submit an Additional Performance

Guarantee (APG) equivalent to the difference between 80% of the bid value and the quoted bid amount.

23. In addition to PG, Security Deposit (SD) equal to 2.5% 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.
24. 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 is 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.*
25. 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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.
34. 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.
35. Bid evaluation and award criteria
- (i) First of all, technical bid containing information's 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 information's 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.
 - (ii) Financial bid containing information's 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), Civil Work (FB – 2), Supply of materials to be used for Civil and Plumbing work (FB – 3), Electrical work (FB – 4) and Supply of materials to be used for Electrical work (FB – 5) shall be opened and evaluated by ESIC for the purpose of selecting the successful bidder based on their quoted percentages.

- (iii) The Bidder is required to carefully go through the details of Manpower Deployment and Items (Supply & Wholesome) mentioned in the NIT & **Total** of the financial bidding documents before quoting his price in this financial bidding sheet.
- (iv) 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 Repair and Maintenance (ARM) of ESIC Hospital, offices and Staff Quarters at _____ during 2026 – 27*” 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.

- (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 30 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 excluding statutory payment (i.e. minimum wages, ESI, EPF & other etc.).

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) Form 7/8
- (viii) Letter of Transmittal and Tender
- (ix) 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 :

ESIC's Requirements

1. Name of Work: Comprehensive *Annual Repair and Maintenance (ARM) of ESIC Medical College and Hospital and Quarters at Ludhiana during 2026-27.*

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 Staff Quarter premises are maintained with due diligence and Medicare services are not interrupted.
- (ii) Hospital shall be the resource center 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, lightening 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) Any others work as per direction of ESIC Dean / Engineer In charge.

Appendix – B

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 its immediate rectification so, that services are not affected. It shall be the sole responsibility of the Repair and Maintenance agency that all the services are kept in functional condition round the clock during the currency of the contract.

Defect Liability period shall be 12 months from the date of completion of 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 varied 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 7th 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. Performance Guarantee will be released after completion of work period.

20. Security Deposit

In addition to Performance Guarantee, a sum @ 2.5 % 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 one year (DLP) 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 affect 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 State / Central 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, Pollution 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 along with other allowances etc and fulfill all statutory obligations like ESI,EPF etc. all his employees covered under this contract.**
6. **For Holidays/ Sundays no extra payment will be made. It is the contractor's duty to arrange weekly off or 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**

to

13. The Contractor shall provide 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 concurrency 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. Noncompliance of this clause shall invite penalty @ Rs. 500 per fortnight.
10. The agency has to take NOC (i.e sound Test & smoke emission test certificate) from DPCC for which no extra payment will be made.

(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. The staff deputed shall maintain and keep all associated equipment's in proper functional/ Running Condition.**
6. **The agency has to coordinate with local fire authority for getting NOC of fire for which no extra payment will be made.**

Schedule of Credit - I for Civil and Plumbing Work

S. No.	Description of Item	Unit	Rate(Rs)
1	Mortice lock	Each	40
2	Hasp and stapple	Each	5
3	CP Brass extn nipple	Each	5
4	Alumn sliding bolt any size	Each	30
5	Alumn tower bolt any size	Each	5
6	Alumn handle any sixe	Each	5
7	U/S Flush door	Sqm	24
8	U/S CI Bracket	Pair	5
9	U/S CP Brass /SS jet complete	Each	15
10	GI Pipe all sizes U/S	Metre	20
11	C P Brass shower rose U/S	Each	5
12	CP Brass paper holder	Each	15
13	Gun metal NRV 25mm, 32 mm	Each	25
14	Gun metal NRV 40mm, 50 mm	Each	80
15	CI Bend, tee etc	Each	30
16	Alumn door stopper	Each	2

17	Door closer/floor spring	Each	40
18	Bottle trap CP	Each	25
19	Unserviceable flushing cistern PVC	Each	10
20	CP Brass bib tap,stop cock,angaale valve	Each	25
21	Spreader of urinal	Each	5
22	Plastic plumbing fittings	Each	1
23	Iron and steel items if any	Kgs	20
24	U/s door/window wooden frame	Each	25
25	Old wooden door	Each	25
26	Old wooden window shutter	Each	10
27	Curtain rod	Metre	5
28	Alumn kicking plate	Each	10
29	Old pvc door frame	Metre	15
30	Old PVC DOOR SHUTER	Sqm	50
31	Old PVC Pipe	Metre	10
32	Old false ceiling	Sqm	10
33	Old plastic sheet	Sqm	10
34	Old GI Sheet	Sqm	10
35	Old alumn frame section	Kgs	100
36	Old door closer/ floor spring	Nos	40
37	U/S flushing cistern	Nos	10
38	U/S CP Pillar cock	Nos	25
39	U/s SS KITCH SINK	Nos	40
40	U/S CI Pipe 100/75 mm	Metre	50
41	U/S CI FITTINGS	Each	10
42	U/S alumn pull bolt	Each	1

Schedule of Credit – II for Electrical Work

S. No.	Description of Item	Unit	Rate in Rs
1	U/S FRLS PVC Cable 1.5 Sqmm	Metre	1.2
2	U/S FRLS PVC Cable 2.5 Sqmm	Metre	1.85
3	AS ABOVE BUT 4.00 Sqmm	Metre	3
4	AS ABOVE BUT 6.00 Sqmm	Metre	4.25
5	AS ABOVE BUT 10 Sqmm	Metre	7.5
6	AS ABOVE BUT 16 Sqmm	Metre	11.8
7	0.5 sqmm 1 pair cable copper	Metre	0.25
8	0.5 sqmm 2 pair cable copper	Metre	0.4
9	STEEL CONDUTE 20 MM	Metre	5
10	Brass pendent holder	Each	4
11	Brass angle holder	Each	4
12	U/S brass compression gland assorted	Sqm	5
13	U/S GI Pipes assorted	KGS	20

14	U/S Iron scrap	KGS	20
15	U/S Submersible cable 3 x 1.5/2.5 Sqmm	Metre	4
16	Switch/socket/regulator etc	Each	0.25
17	32/63/100 Amp TP &N	Each	20
18	U/S Exhaust fans 300/380 mm	Each	100
19	U/S Exhaust fans 450 mm	Each	130
20	U/S alumn cable 4 core 95 Sqmm	Metre	60
21	U/S alumn cable 4 core 50 Sqmm	Metre	35
22	U/S alumn cable 4 core 35 Sqmm	Metre	25
23	U/S alumn cable 4 core 25 Sqmm	Metre	15
24	U/S alumn cable 4 core 16 Sqmm	Metre	10
25	U/S MCB/MCCB any size	Each	75
26	Unserviceable Batteries	KG	60
27	Old U/S battery charger	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	-do- 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

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 T& P @ 7.5% + 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 center / 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

S No	Complaint Type (as defined by ESIC)	Maximum Time within which the complaints are to be attended
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 along with 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.

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:

S.No.	Category of Workmen	Rate of Recovery per day per person (Rs.)	Remarks
1.	Supervisors	1500/-	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 equipment's, 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 equipment's, 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 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.

S.No	Job	Material	Tools with tool bag
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,	Brushes, Roller, sand grinder machine, putty Knife/plate (patti), PVC/ foam sheet cover, ladder etc.

		muslin cloth, melamine, masking tape, Sand paper, 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, Welding rod etc,	Electric Welding machine, Eye shield, Grinder, cutter, electric cable, safety 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). Grass cutting machine.

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

Sl. No.	Materials	Approved make
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., Grasim, Lafrage, Ultra Tech
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, supreme
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., ICH 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, NY CER
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
61	Reinforcement Bars	Fe500 grade of TATA, SAIL, RINL

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

	Description of Items	Make
1.	FRLS PVC Insulated Copper conductor single core cable	Harvell's/ Polycab / Finolex / Grandlay
2.	XLPE Insulated, PVC Sheathed Aluminum 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 / Panasonic / schneider
4.	Steel Conduit	RM Con/NIC/AKG/BEC ISI Marked
5.	1200 mm BLDC ceiling fan	HAVELLS/BAJAJ/ATOMBERG/USHA/ORIENT
6.	Feeder Pillar / Panel	Advance / C&S / AMBIT/ ADLEC/ASPL
7.	Load Bank	Havells / Legrand / HPL
8.	MCB / MCB DB and sheet steel Metal enclosed industrial socket, plug top	Legrand / Siemens/ ABB /Havells / L&T / Schneider / C&S / G.E.
9.	MCCB	L&T / Legrand /Siemens / ABB/ Schneider / Havells
10.	TRANSFORMER	VOLTAMP/SCHNEIDER ELECTRIC/CROMPTON/ABB/SIEMENS/KIRLOSKAR
11.	LT cable	Finolex / RR Kabel / Havells /Polycab/ KEI
12.	LT,MV PANELS/APFC PANEL	SIEMENS/SCHNEIDER/L&T/ABB/LEGRAND/ PRISTINE/Application Control Panel/Neptune/ SPC Electric LTD (The manufacturer must have CPRI test certificate)
13.	Air Circuit Breaker (ACB)	LK (former L&T) (U- Power) / ABB (e-Max) / Siemens (3WL) / Schneider (masterpact-MVS)
14.	Rising Mains/ End Feed Unit/ Tap Off Box.	LEGRAND/SIEMENS// LK (former L&T)/SCHNEIDER/ABB

15.	LED indication light & push button	BCH / C&S / L&T / Siemens
16.	300 mm Sweep Exhaust Fan 900 rpm heavy duty	HAVELLS/BAJAJ/ATOMBERG/USHA/ORIENT
17.	G.I. Pipe	Tata / Jindal Hisaar / Prakash Surya / Swastik/ Sail
18.	Phase indication light	BCH/ L&T /GE/C&S
19.	LED FITTINGS	PHILLIPS/HAVELLS/CROMPTON/WIPRO/TRILUX/Lighting Technology /OSRAM
20.	LED Smart Bright Extra Batten	Philips Model No. BN021 LED 25S 6500 PSU GRS1 or equivalent in Wipro/Trilux / havells/ Osram / Crompton
21.	14-watt LED aesthetically designed liner mirror light	Philips /Wipro / Trilux / Havells.
22.	21-watt wall mounted LED batten	Wipro Cat No. LM31-211-XXX-57-XX or equivalent in Philips / Trilux havells/ Osram / Crompton
23.	6-watt surface/recess mounted LED luminaire	Philips / Trilux / Wipro / Havells.
24.	12-watt surface mounted LED	Wipro cat No. LD80-101-XXX-60-SM or equivalent in Philips / Trilux /havells/ Osram / Crompton
25.	10-watt LED type Bulkhead luminaires	Philips / Trilux / Wipro / Havells.
26.	80-watt LED fittings	Wipro cat no LF19-931-060-57-XX or equivalent in Philips / Trilux/havells/ Osram / Crompton
27.	120-watt LED fittings	Wipro cat no -LF07-122-XXX-50-V5 or equivalent in Philips / Trilux/havells Osram / Crompton
28.	Split AC	Hitachi / Carrier/ Blue Star /O-General/LLYOD/Voltas
29.	5 KVA Stabilizer	Blue bird / Logicstate/ PCI/Microtek
30.	Octagonal Pole	Valmont/ Philips/ Crompton / Paruthi

31.	Aviation obstruction light fitting	Bajaj Cat no. BJAOL-1 or equivalent Philips/ Greaves / Philips / C&S
32.	Brass compression gland	Comet / Grip well / Hensel /Dowells
33.	400mm Oscillating wall fan	Havells / Crompton Greaves/Orient/ALSTOM/Polar
34.	70mm dia HDPE pipe	AKG / Duraline / Rex
35.	LED SMD Panel Light	Philips / Trilux / Wipro / Havells.
36.	Hand Drier	Euronics / Dolphy
37.	Pole Box	Sinthex /AKG/MK/ Hansel.
38.	Straight through joint with heat shrinkable kit	M Seal / Denson / Raychem
39.	Change Over Switch	C&S / L&T / Seimens/ABB
40.	Intelligent Addressable Optical Smoke Detector	Notifier- Honeywell/Bosch/Hochiki/Gamewell/Femwell/Siemens/GeEdward/Detnov
41.	Pump motor starter	C&S / L&T / Siemens/ABB.
42.	Intelligent Addressable Thermal Detector	Notifier/Honeywell/Bosch/Hochiki/Gamewell/Femwell/Siemens/GeEdward/ Detnov
43.	Intelligent Addressable Multi Criteria Photo Electric Smoke cum Heat	Notifier/Honeywell/Bosch/Hochiki/Gamewell/Femwell/Siemens/GeEdward/ Detnov
44.	Addressable Manual Call Box	Notifier- Honeywell/Bosch/Hochiki/Gamewell/Femwell/Siemens/GeEdward/Detnov
45.	Fire Survival Cable	Lapp Kabel/Pirelli/Belden/Ramcro/Draka
46.	Fiber Optic Network Cable/Cat 6	As per IEI work

47.	Speakers	Honeywell/Bosch/Siemens/Bose/Yamaha/Shrue/TOA/Electrovoice
48.	Analog Addressable Optical Smoke Detector	Notifier/Gamewell (USA)/Bosch/Detnov
49.	Analog Addressable Thermal Detector	Notifier/Gamewell (USA)/Bosch/Detnov
50.	Duct Casting Unit	Notifier/Gamewell (USA)/Bosch/Detnov
51.	Digital Amplifier	Bose/Electrovoice/Bosch/Beyer Dyanamic/D&B Audio Technik
52.	Fire Pump	Kirloskar/KSB/Mather & Platt
53.	Motor	ABB/Siemens/Crompton Greaves/Kirloskar
54.	First Aid Hose Drum	Ashok/Newage Bombay/Eversafe
55.	Diesel Engine	Cumins/Caterpillar/Kirloskar
56.	Butter Fly Valve	C& R/Intervolve/Advance/Audco
57.	RRL Hose	Newage Premier Bombay/Padmini/Eversafe Indian Rayon/Fire Marshall
58.	Sprinklers (All types)	Tyco/HD/Viking/Newage Bombay/Eversafe/Getech
59.	Sluice & non-return valves	Kirloskar/ Kalpana/ Sant/zoloto/kartar
60.	Pressure switch	Indfoss/ Switzer/ System Sensor/ Danfoss
61.	Pressure Gauges	Fiebig/ H-Guru/ Bell
62.	Strainer	Zoloto/sant/advance/kartar/VS/SB/ Leade

63	First Aid Hose Drum	Newage / savemax/ padmini/SB
64	Batteries	Exide/APC/Panasonic/amron
65	Power Cables	Havells/ Rallison/Polycab/ RR Kabel/ Finolex/Grandlay
66	CT/PT Transformer	AE/ Kappa/ C&S/Guru
67	Indicating Lamps	L & T / Siemens / GE / AE / IMP/ BCH / Schneider/ Telemecanique / ABB
68	Signage	Prolite / Glolite / Mr. Lite
69	Exit/ Engress Light	Prolite / Glolite / Mr. Lite / Agni
70	Hooters, Strobe & speaker	Onyx Series - Notifier UL Listed / IFC Series - Johnson Control UL Listed / 3 Series – Gamewell
71	Fire fighter Phone Jack, Telephone Handset, Phone Control Module	Onyx Series - Notifier UL Listed / IFC Series - Johnson Control UL Listed / 3 Series – Gamewell

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.
3. Any other items to be got approved by Engineer – in-charge.

INTEGRITY PACT

(On Bidder's Letter Head)

To,

The Dean,
ESIC Medical College and Hospital,
Bharat Nagar Chowk,
Ludhiana.

Subject : *Comprehensive Annual Repair and Maintenance (ARM) of ESIC Medical College and Hospital and Quarters at Ludhiana during 2026-27.*

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 2026

BETWEEN

Dean, ESIC Medical College and Hospital Ludhiana, ‘**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 Repair and Maintenance (ARM) of ESIC Hospital, offices and Staff Quarters at _____ during 2026-27.* 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.
 - (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)/Contract(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 **Headquarters 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:

Annual Repair Maintenance & Operation (ARMO) Work of ESIC Medical College and Hospital Ludhiana During 2026-27.

Percentage rate Tender/Percentage rate Tender & Contract for Works

(A) Tender for the work of: -

(i) Annual Repair Maintenance & Operation (ARMO) Work of ESIC Medical College and Hospital Ludhiana During 2026-27.

(ii) To be uploaded on the CPP Portal website <https://eprocure.gov.in/eprocure/app>.

(iii) To be opened in presence of tenderers who may be present as per above mentioned date and time in the ESIC Medical College and Hospital Ludhiana.

TENDER

I/We have read and examined the notice inviting tender, GCC, PCC, Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Director General, ESI Corporation within the time specified in Tender document viz. schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in GCC & PCC and Directions and in Clause 3 of the PCC of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for 90 days from the date of opening of technical bid and not to make any modification in its terms and conditions.

A sum of Rs. 9,10,000/- is hereby forwarded in cash/receipt treasury challan/deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by a scheduled bank as earnest money.

A copy of earnest money in receipt treasury challan/deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by a scheduled bank is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said Director General, ESI Corporation or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that Director General, ESI Corporation or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said 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 or referred Re-Tender [Type text] Page 56 to those

in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 2 of the PCC.

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 ESI Corporation, then I/We shall be debarred for tendering in ESI Corporation in future forever. Also, if such a violation comes to the notice of ESI Corporation before date of start of work, the Engineer-in Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. I/We hereby declare that I/We shall treat the tender documents drawings 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 safety of the State.

Dated:

Signature of Contractor:

Witness:

Postal Address:

Address:

Occupation:

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of Director General, ESIC for a sum of Rs.

_____ (Rupees _____)
_____) The letters referred to below shall form part of this contract

Agreement: - (a)

(b)

(c)

Dean ESIC Medical College and Hospital Ludhiana,

Signature.....

Designation.....

Date

LETTER OF TRANSMITTAL

(On Bidder's Letter Head)

To

The Dean,
ESIC Medical College and Hospital,
Bharat Nagar Chowk,
Ludhiana.

Subject: *Comprehensive Annual Repair and Maintenance (ARM) of ESIC Medical College and Hospital, and Quarters at Ludhiana during 2026-27.*

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 **Dean, ESIC, Medical College and Hospital Ludhiana** to approach the Bank issuing the solvency certificate to confirm the correctness thereof. I/We also authorized **Dean, ESIC, Medical College and Hospital Ludhiana** 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. 9,10,000/-** 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 forever. Also, if such a violation comes to the notice of ESIC before date of start of work, the Dean ESIC Medical College and Hospital Ludhiana Punjab 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..... (Rupeesonly) 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 undertakes to pay the ESIC any money so demands 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 forbear 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, theDay of..... For..... (Indicate the name of the Bank)

Technical Bid Forms

S.No.	Form	Particular
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'

EXPERIENCE OF COMPANY

Experience Certificate to be submitted in same / similar type of Performa as per eligibility condition.

1	Project title & Location:	
2	Name of the Client and Address:	
3	Describe area of participation (Specific Work done/services rendered by the applicant)	
4	Period of work Done/Services rendered for the project	
5	Total cost of similar nature of work as per completion Certificate	
6	Date of start of the work	
7	Date of completion of the work	
8	Completion Certificate issued by	
7	Any other details	

Sign of Client / Competent Authority:

Date:

Place:

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		
		2021-22	2022-23	2023-24
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 **Dean, ESIC, Medical College and Hospital Ludhiana.**
- (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 Form

NAME OF WORK: Construction of ESIC Medical College and Hospital Ludhiana

Budgetary amount: Rs. only (in Words)

NAME OF AGENCY:

S.No.	Description	Percentage Quote *
		(in figures & words)
1.	Details BOQ for same has been attached	_____ % ****

Seal of the Organization

Signature of the Authorized Signatory ****

Note: In case of agency quoted same percentage for work, i.e. in case of Tie, the agency having higher average turnover in last three (3) years among the tied agency will be given weightage.

*To be quoted in percentage with two decimal places greater than zero both in figures and words distinctly. **In case of discrepancy charges quoted in words shall be final.**

ARMO Works in ESIC Medical College and Hospital Ludhiana-Bill of Quantity (BoQ)

SUMMARY -TOTAL COST

S.No.	Description	Amount(Rs.In Lakh)
1	Civil Work Part	10,307,365
2	Civil Material Supply Part	1,217,623
3	Market Rate Civil Material Supply Part	944,665
4	Electrical Work Part	7,760,810
5	Electrical Material Supply Part	3,040,391
6	MANPOWER Part	21,940,772
7	Horticulture Supply	157,216
8	Horticulture Maintenance	132,113
	TOTAL (A)	45,500,953.43

ARMO Works in ESIC Medical College and Hospital Ludhiana-Bill of Quantity (BoQ)

Civil works

Sl.	DSR 2023	Description of Items	Unit	Qty	Unit Rate (in Rs)	Amt (in Rs)
1	2.1.1	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	25	129.85	3,246.25
2	2.6.1	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	25	177.50	4,437.50
3	2.8.1	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	25	260.30	6,507.50
4	2.10.1.1	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	25	215.60	5,390.00
5	2.10.1.2	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. exceeding 80 mm dia. but not exceeding 300 mm dia	metre	20	352.15	7,043.00
6	2.25	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	20	196.00	3,920.00
7	2.31	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	1000	17.60	17,600.00
8	2.32	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	sqm	1000	8.95	8,950.00
9	4.1.3	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) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources).	cum	10	7878.50	78,785.00
10	4.1.11	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size).	cum	10	6189.65	61,896.50
11	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	cum	10	6812.00	68,120.00
12	5.1	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 derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources).	cum	10	8583.40	85,834.00
13	5.3	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) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources).	cum	10	11505.50	115,055.00
14	5.9.3	Centering and shuttering including strutting, propping etc. and removal of form for all heights :Suspended floors, roofs, landings, balconies and access platform	sqm	15	927.25	13,908.75
15	5.9.7	Centering and shuttering including strutting, propping etc. and removal of form for all heights: Stairs, (excluding landings) except spiral-staircases	sqm	15	764.95	11,474.25

16	5.22/ 5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto/ above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more	Kg	300	107.85	32,355.00
17	6.1.2	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	10	7132.25	71,322.50
18	6.13.2	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	30	1123.80	33,714.00
19	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry	sqm	50	104.80	5,240.00
20	8.6	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.	sqm	100	506.70	50,670.00
21	11.56.1	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	10	4481.30	44,813.00
22	9.9.1.1	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	10	4940.20	49,402.00
23	9.23	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	10	462.35	4,623.50
24	9.21.1	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	75	2392.62	179,446.50
25	9.24.1	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	10	199.15	1,991.50
26	9.26	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	sqm	50	106.70	5,335.00
27	9.27.1.1.1	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	3	4852.30	14,556.90
28	9.40.1.1	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	10	221.10	2,211.00
29	9.46.3	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	50	525.55	26,277.50
30	9.48.1	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	500	219.10	109,550.00
31	9.51.1	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	50	1308.35	65,417.50
32	9.51.2	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 12 mm mild steel U beading	sqm	10	939.20	9,392.00
33	9.99	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	50	239.40	11,970.00

34	9.127.2	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	25	897.30	22,432.50
35	9.141	Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm (± 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 tapping 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	20	573.45	11,469.00
36	9.142.2	35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded solid PVC profiles, 5 mm (± 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 inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge. Decorative finish (wood grained finish)	sqm	15	4713.05	70,695.75
42	10.25.1	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	100	123.60	12,360.00
43	10.25.2	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	500	172.60	86,300.00
44	10.26.1	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	80	196.80	15,744.00
45	10.30.1	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	10	1064.65	10,646.50
46	10.30.2	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 5.5 mm thick glass panes	sqm	10	1390.15	13,901.50
47	11.26.1	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	35	1948.25	68,188.75
48	11.27	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	35	2354.70	82,414.50
49	8.31	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	125	1267.95	158,493.75
50	11.37A	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	100	1112.70	111,270.00

51	11.41.2	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (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 600x600 mm	sqm	145	1553.45	225,250.25
52	12.21.1	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	50	305.15	15,257.50
53	12.22	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	30	298.25	8,947.50
54	12.37.1	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	10	164.20	1,642.00
55	12.38.1	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	50	362.85	18,142.50
56	12.38.2	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. : 150 mm diameter	each	20	395.60	7,912.00
57	12.41.1	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	20	248.80	4,976.00
58	12.41.2	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. 110 mm diameter	metre	20	377.40	7,548.00
59	12.42.1.1	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	25	91.70	2,292.50
60	12.42.1.2	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: 110 mm	each	25	136.15	3,403.75
61	12.42.2.1	Providing and fixing Single pushfit Coupler 75 mm	each	25	93.10	2,327.50
62	12.42.2.2	Providing and fixing Single pushfit Coupler 110 mm	each	25	127.60	3,190.00
63	12.42.5.1	Providing and fixing Bend 87.5° 75 mm bend	each	50	105.90	5,295.00
64	12.42.5.2	Providing and fixing Bend 87.5° 110 mm bend	each	50	150.35	7,517.50
65	12.42.6.1	Providing and fixing Shoe (Plain) 75 mm Shoe	each	50	93.10	4,655.00
66	12.42.6.2	Providing and fixing Shoe (Plain) 110 mm Shoe	each	50	131.85	6,592.50

67	12.43.1	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	75	369.85	27,738.75
68	12.43.2	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. 110 mm	each	75	371.30	27,847.50
69	12.44	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	50	54.70	2,735.00
70	12.45.1	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 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :12.5 mm thick tapered edge gypsum plain board conforming	sqm	50	1355.8	67790
71	12.47.1	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 rovigs 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	50	1401.35	70,067.50
72	12.50.	Providing and fixing pre-coated galvanized 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 Engineer-in-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	75	738.65	55,398.75

74	12.52.1	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, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with	sqm	30	1902.95	57,088.50
75	12.52.4	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.	10	1528.00	15,280.00
76	12.53	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 from 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 with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified edges calicum silicate ceiling tiles of approved texture in the grid, including, cutting/ making opening"for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. Main 'T' runners to be suspended from ceiling using G.I. slotted cleats	sqm	10	2158.15	21,581.50
77						
78	13.1.1	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	sqm	150	347.05	52,057.50
79	13.1.2	12 mm cement plaster of mix :1:6 (1 cement: 6 fine sand)	sqm	150	333.35	50,002.50
80	13.2.1	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	sqm	100	399.45	39,945.00
81	13.2.2	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand)	sqm	100	383.00	38,300.00
82	13.16.1	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	sqm	50	300.45	15,022.50
83	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	2500	156.05	390,125.00
84	13.37.1	White washing with lime to give an even shade : New work (three or more coats)	sqm	10	39.05	390.50
85	13.41.1	Distempering 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	5000	185.65	928,250.00
86	13.46.1	Finishing walls with Acrylic Smooth exterior paint of required shade : 13.46.1 New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	sqm	7000	160.60	1,124,200.00
88	13.99.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :One or more coats on old work	sqm	3000	102.80	308,400.00
89	13.85.1	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	100	70.35	7,035.00

90	14.1.1	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	450	547.40	246,330.00
91	14.2.1	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	15	1782.55	26,738.25
92	14.2.2	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. Window chowkhats	each	10	1125.15	11,251.50
93	14.2.3	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. Clerestory window chowkhats	each	25	851.00	21,275.00
94	14.3	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	25	217.00	5,425.00
95	14.4.1	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	10	1264.35	12,643.50
96	14.5.1	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of thickness 4 mm	sqm	50	1090.65	54,532.50
97	14.5.2	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of thickness 5.5 mm	sqm	10	1416.15	14,161.50
98	14.7.1	Renewing glass panes and refixing existing wooden fillets: Float glass panes of thickness 4 mm	Sqm	10	1227.30	12,273.00
99	14.9	Renewal of old putty of glass panes (length)	metre	100	56.15	5,615.00
100	14.10.	Refixing old glass panes with putty and nails	sqm	50	729.85	36,492.50
101	14.21	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	50	298.85	14,942.50
102	14.22.1	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	20	123.70	2,474.00
103	14.29	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	50	120.75	6,037.50
104	14.34	Providing and fixing 150 mm bright finished floor brass door stopper with rubber cushion, necessary brass screws etc. to suit shutter thickness complete.	Each	20	271.45	5,429.00
105	14.40.1	Providing and fixing chromium plated brass butt hinges with necessary chromium plated brass screws etc. complete. 125x70x4 mm (ordinary type)	Each	50	171.05	8,552.50
106	13.87.1	White washing with lime to give an even shade : Old work (two or more coats)	sqm	50	22.85	1,142.50
107	13.88	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	sqm	7000	19.75	138,250.00
109	13.91	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	5000	25.15	125,750.00

110	13.92.1	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	100	93.30	9,330.00
111	13.94.2	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	100	35.50	3,550.00
112	13.96.1	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	100	28.20	2,820.00
113	13.96.2	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 : 100 mm diameter pipes	metre	100	36.25	3,625.00
114	13.96.3	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 : 150 mm diameter pipes	metre	100	52.25	5,225.00
115		Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: One or more coats on old work	sqm	200	90.85	18,170.00
116	13.105	Re-lettering with black Japan paint of approved brand and manufacture.	Per letter per cm height	2267	3.85	8,727.95
118	14.17	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.	sqm	100	72.45	7,245.00
119	14.18.1	Flush pointing with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement for flat tile bricks on top of mud phaska : With F.P.S. brick tiles	sqm	50	137.70	6,885.00
120	14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineerin-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.	sqm	200	338.25	67,650.00
121	14.75A	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 (Quaterly Cleaning 185000x4)	litre	60000	0.50	30,000.00
122	14.76	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	300	108.30	32,490.00
123	14.77	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	500	340.75	170,375.00
124	14.78	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.(quarterly Cleaning 2132x40)	sqm	1500	84.85	127,275.00

125	14.79	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	10	433.75	4,337.50
126	14.80.1	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	10	3501.70	35,017.00
127	14.80.2	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.Orissa pattern W.C Pan of size 580x440 mm	each	10	4478.75	44,787.50
128	14.82	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	10	134.10	1,341.00
129	14.83	Hacking of CC flooring including cleaning for surface etc. complete as per direction of the Engineer-in-Charge.	sqm	250	3.45	862.50
130	14.84	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	200	3.25	650.00
131	14.85	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	100	429.10	42,910.00
132	15.2.2	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	3	1503.60	4,510.80
133	15.3	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	10	3551.25	35,512.50
134	15.7.4	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	75	2060.20	154,515.00
135	15.12.1	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	10	367.20	3,672.00
136	15.12.2	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : of area beyond 3 sq. metres	each	10	502.75	5,027.50
137	15.13.1	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	10	143.50	1,435.00
138	15.13.2	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead of area beyond 3 sq. metres	each	10	188.90	1,889.00
139	15.18	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	78.7	5.65	444.66
140	15.23.1	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	100	73.40	7,340.00
141	15.27	Demolishing mud phaska in terracing and disposal of material within 50 metres lead.	cum	10	914.30	9,143.00
142	15.42.2	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead : 100 mm dia pipe	metre	150	78.00	11,700.00
143	15.44.2	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 : Above 40 mm nominal bore	metre	25	161.40	4,035.00
144	15.51	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	25	958.75	23,968.75
146	15.56	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	500	54.65	27,325.00

147	15.57	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 50 meters lead as directed by Engineer-in-charge.	sqm	100	56.35	5,635.00
148	15.60.	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	500	263.95	131,975.00
149	16.68	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	100	972.00	97,200.00
150	16.69	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 be 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	5	10117.60	50,588.00
151	16.82	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	50	39.35	1,967.50
152	16.83	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	50	131.75	6,587.50
153	21.1.1.2	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 Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	1000	530.90	530,900.00
154	21.1.2.2	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	1000	634.45	634,450.00
155	21.3.2	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid	sqm	200	1505.25	301,050.00
155	21.2.1	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminium 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	200	1139.30	227,860.00
156	21.4.1	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	10	2823.85	28,238.50

157	21.17	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	30	638.35	19,150.50
158	22.14.1	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double action hydraulic floor 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). 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	10	8042.30	80,423.00
159	17.4.1	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	20	6258.75	125,175.00
160	17.7B	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	10	1550.60	15,506.00
161	17.10.2.1	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 : 610x510 mm bowl depth 200 mm	each	10	4940.80	49,408.00
162	17.11.1	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	5	5020.85	25,104.25
163	17.22	Providing and fixing G.I. inlet connection for flush pipe connecting with W.C. pan.	each	20	142.85	2,857.00
164	17.35.1.1	Providing and fixing soil, waste and vent pipes : 100 mm dia Sand cast iron S&S pipe as per IS: 1729	metre	5	1151.90	5,759.50
165	17.35.2.1	Providing and fixing soil, waste and vent pipes : 75 mm diameter : Sand cast iron S&S pipe as per IS: 1729	metre	5	1044.75	5,223.75
166	17.36.1	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	20	168.20	3,364.00
167	17.36.2	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 : 100 mm dia pipe	each	20	198.15	3,963.00
168	17.37.1	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	20	362.85	7,257.00
169	17.37.2	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 75 mm dia pipe	each	20	360.00	7,200.00
170	17.38.1.1	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	15	598.50	8,977.50
171	17.38.2.1	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 75 mm dia Sand cast iron S&S as per IS - 1729	each	20	501.45	10,029.00
172	17.42.1.1	Providing and fixing double equal plain junction of required degree. 100x100x100x100 mm Sand cast iron S&S as per IS - 1729	each	20	939.90	18,798.00
173	17.42.2.1	Providing and fixing double equal plain junction of required degree. 75x75x75x75 mm Sand cast iron S&S as per IS - 1729	each	5	625.20	3,126.00
174	17.43.1.2	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	15	925.70	13,885.50

175	17.43.2.1	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 75x75x75 mm Sand cast iron S&S as per IS - 3989 Sand cast iron S&S as per IS - 1729	each	15	629.50	9,442.50
176	17.60.2.1	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	10	1975.15	19,751.50
177	17.60.2.2	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- 1729	each	5	1558.35	7,791.75
178	17.78	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	5	14999.15	74,995.75
179	18.7.3	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 25 mm nominal dia Pipes	metre	200	401.55	80,310.00
180	18.7.4	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 32 mm nominal dia Pipes	metre	50	518.75	25,937.50
181	18.7.5	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 40 mm nominal dia Pipes	metre	25	702.95	17,573.75
182	18.8.1	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	50	497.80	24,890.00
183	18.8.2	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. 20 mm nominal outer dia Pipes	metre	100	537.60	53,760.00
184	18.8.3	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. 25 mm nominal outer dia Pipes	metre	100	627.25	62,725.00
185	18.11.1	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	25	580.45	14,511.25
186	18.11.2	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 : 20 mm dia nominal bore	metre	100	635.20	63,520.00

187	18.12.1	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work 15 mm dia nominal bore	metre	20	322.15	6,443.00
188	18.12.2	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work 20 mm dia nominal bore	metre	100	368.60	36,860.00
189	18.12.3	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work 25 mm dia nominal bore	metre	100	467.75	46,775.00
190	18.12.4	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work 32 mm dia nominal bore	metre	150	540.30	81,045.00
191	18.12.5	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work 40 mm dia nominal bore	metre	200	617.05	123,410.00
192	18.12.6	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work 50 mm dia nominal bore	metre	100	762.15	76,215.00
193	18.12.8	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work 80 mm dia nominal bore	metre	10	1041.70	10,417.00
194	18.34.1	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	2	18896.70	37,793.40
195	18.48A	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	9000	11.00	99,000.00
196	18.82.1	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	40	315.55	12,622.00
197	18.82.2	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: 100 mm diameter C.I. pipe	metre	40	332.50	13,300.00
198	18.82.4	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: 150 mm diameter C.I. pipe	metre	40	365.45	14,618.00
199	19.2	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	10	787.00	7,870.00
200	19.19.2.1	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality M D - 10Square shape 450 mm internal dimension	each	10	1386.55	13,865.50
201	22.22A	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.	Sqm.	30	563.10	16,893.00
203	21.18	Providing and fixing Brass 100mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc.complete.	Sqm.	5	5,325.90	26,629.50
204	21.15.1	Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Anodized (AC 15) aluminium	each	2	89.40	178.80
205	21.15.2	Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Powder coated minimum thickness 50 micron aluminium	each	2	97.95	195.90
206	21.15.3	Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Polyester powder coated minimum thickness 50 micron aluminium	each	2	95.10	190.20

ARMO Works in ESIC Medical College and Hospital Ludhiana-Bill of Quantity (BoQ)

Civil Material

Item No	DSR 2023	Description	Total Qty	Unit	Rate	Total Amount
1	7121	Bottle Trap	50	Each	682	34100
2	7257	C.P. Brass bibcock 15 mm	200	Each	330	66000
3	7260	C.P. Brass stop cock 15 mm	100	Each	445	44500
4	7495	ball cock 15mm	100	each	79	7900
6	1369	S.C.I. gully or nahani grating 100 mm dia	50	each	28	1400
7	7406	PTMT pillar cock	10	Each	125	1250
8	7407	PTMT push cock 15 mm dia	10	Each	61	610
9	1545	G.I. pipes 15 mm dia	50	metre	107	5350
10	1546	G.I. pipes 20 mm dia	50	metre	139	6950
11	1547	G.I. pipes 25 mm dia	50	metre	197	9850
12	1548	G.I. pipes 32 mm dia	50	metre	247	12350
13	1549	G.I. pipes 40 mm dia	50	metre	290	14500
14	1608	G.I. tees (equal) 25 mm	50	Each	70	3500
15	1612	G.I. tees (equal) 65 mm	50	Each	480	24000
16	1641	G.I. Union 15 mm nominal bore	50	Each	40	2000
17	1642	G.I. Union 20 mm nominal bore	50	Each	60	3000
18	1643	G.I. Union 25 mm nominal bore	50	Each	125	6250
19	1644	G.I. Union 32 mm nominal bore	50	Each	160	8000
20	1645	G.I. Union 40 mm nominal bore	50	Each	260	13000
21	1687	Unplasticised P.V.C. connection pipe with brass union 30 cm long 15 mm bore	200	Each	32	6400
22	1689	Unplasticised P.V.C. connection pipe with brass union 45 cm long 15 mm bore	200	Each	38	7600
23	7496	PTMT Ball Cock 20mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	50	Each	120	6000
24	7509	PTMT Soap Dish/Holder 138x102x75 mm	50	each	63	3150
25	7508	PTMT - Urinal Spreader 15 mm	50	each	60	3000
26	7504	PTMT - Towel Ring 215x200x37 mm	50	each	117	5850
27	7505	PTMT - Towel Rail (450 mm long)	50	each	132	6600
28	1956	Bolts and nuts 16 mm dia 60 mm long	50	Each	12	600
32	295	Stone Aggregate (single size) : 20 mm nominal size	50	cum	1425	71250
33	1309	C.I. bracket for wash basin and sinks	50	pair	95	4750
34	1392	Mirror of superior make glass 60x45 cm	100	each	450	45000
35	1872	White vitreous china laboratory sink 600x450x200 mm	10	each	2750	27500
36	1875	White plastic seat (solid) with lid C.P. brass hinges and rubber buffers	200	each	451	90200
37	1885	15 mm C.P. brass tap	200	each	297	59400
38	3229	Vitreous china flat back wash basin 550x400 mm	30	each	554	16620
39	593	C.P. Brass Extension Nipple (1/2"x2" size)	50	each	46	2300
40	7363	15 mm C.P. brass tap with elbow operation lever	15	each	464	6960
41	8636	Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm outer dia	20	metre	43	860
42	8637	Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia	500	metre	59	29500
43	8639	Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia	100	metre	140	14000
44	8640	Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer dia	25	metre	200	5000
45	1933	Gunmetal non-return valve-horizontal (screwed end) 25 mm dia	10	each	385	3850
46	1934	Gunmetal non-return valve-horizontal (screwed end) 32 mm dia	10	each	523	5230
47	1935	Gunmetal non-return valve-horizontal (screwed end) 40 mm dia	10	each	633	6330
48	1954	Vitreous china orrisa type W.C. pan size 580 mm	10	each	1350	13500
49	1955	pedestal tpye water closet	10	each	1080	10800
50	8791	Reducer 22.22x15.88 mm	50	each	98	4900
51	8815	Elbow 90° for 34.00 mm outer dia SS pipe	50	each	144	7200
52	7188	U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 75 mm dia	100	meter	74	7400
53	1023	Galvanised steel J or L hooks 8 mm dia	10	10 nos	130	1300
54	7764	M.S. socket 100 mm dia	10	each	140	1400

55	2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	4	1000 nos	4724	18896
56	7096	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 225 mm	5	each	3600	18000
57	7118	Semi Rigid PVC waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings	200	each	36	7200
58	7804	Rectified Ceramic Glazed Tiles 1st quality 300 x 300 mm or more in all shades designs except White, Ivory, Grey, Fume Red Brown etc.	10	sqm	450	4500
59	8621	Vitrified floor tile 60x60 cm conforming to IS 15622:2006 group (B1a)	10	sqm	550	5500
60	8726	1.5mm thick decorative laminated sheet	20	sqm	418	8360
61	8668	UV stabilised 2 mm thick corrugated FRP sheet	5	sqm	588	2940
62	4010	Mild steel tubes hot finished seamless type	50	kg	80	4000
63	1301	bleaching powder	5	quintel	1700	8500
64	4001	Stainless steel (Grade-304)hollow section round/square tubes	10	kg	280	2800
65	7126	White Vitreous china 10 litre (full flush) capacity controlled low level flushing cistern with all fittings	10	each	730	7300
66	555	Chromium plated Brass handles 125 mm with plate 175 x32 mm	10	each	152	1520
67	556	Chromium plated Brass handles 100 mm with plate 150 x 32 mm	10	each	135	1350
68	558	Chromium plated Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	5	each	541	2705
69	589	Chromium plated Brass screws 20 mm	10	100 nos	152	1520
70	590	Chromium plated Brass curtain rod 12 mm dia 1.25mm thick	20	metre	178	3560
71	594	Bright finished or black enameled mild steel butt hinges 125x65x 2.12 mm	5	10 nos	122	610
72	595	Bright finished or black enameled mild steel butt hinges 100x58x 1.90 mm	5	10 nos	80	400
73	639	Bright finished or black enameled mild steel screws25 mm	3	100 nos	42	126
74	638	Bright finished or black enameled mild steel screws 30 mm	3	100 nos	48	144
75	642	Oxidised mild steel butt hinges 125x65x2.12 mm	10	10 nos	135	1350
76	643	Oxidised mild steel butt hinges 100x58x1.90 mm	10	10 nos	96	960
87	869	Plaster of paris	100	kg	7	700
88	2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10 kg/sqm)	25	sqm	321	8025
89	7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63 mm	20	sqm	260	5200
90	8011	Factory made 50 mmx47 mm with a wall thickness of 5 mm door frame PVC extruded sheet i/c carriage	10	metre	295	2950
91	7003	Pair of Anodised Aluminium lever handles for 100 mm mortice latch and lock	100	each	237	23700
92	2634	GI/Aluminium Sheet (0.8 mm thick)	200	kg	56	11200
93	1356	500 mm dia cover with frame (medium duty)	5	each	4400	22000
94	1352	C.I. cover and frame 300x300 mm inside	10	each	525	5250
		Sub Total A				920226.0
		Modified Estimated cost using correctim faster on DSR 2023 On Amount of GST @ -0.973				895379.90
		Deduct Cost index @-0.93% on DSR Items				8327.03
		Total				887052.86
		Carriage @ 1% on 'A'				8870.5
		Total				895923.4
		Contractor profit & overheads @ 15% on 'A'				134388.5
		TAXABLE AMOUNT 'B'				1030311.9
		Labour cess @1% on B				10303.1
		Total 'Z'				1040615.0
		ADD GST@18% on 'Z'				187310.7
		Total				1217622.6

Note:

1. The quantities of materials and items indicated are tentative and are meant for estimation purposes only. The above item/materials quantities may be increase or decrease as per the site requirement & direction of Engineer-in-Charge of ESIC.

2. The item/materials which are not included in the estimate shall be made available at site for smooth functioning of hospital services.

3. Payment shall be released only for executed quantity as per the direction of Engineer-in Charge/ESIC

ARMO Works in ESIC Medical College and Hospital Ludhiana-Bill of Quantity (BoQ)

MR Civil Material

Item No	NDSR	Description	Total Qty	Unit	Rate	Total Amount
1	NDSR	CP pillar cock	70	Each	750.00	52500
2	NDSR	Brass spindle /disk	70	Each	300.00	21000
3	NDSR	syphon set	30	Each	600.00	18000
4	NDSR	water tank repair 10000 ltr	5	Job	9000.00	45000
5	NDSR	water tank repair 5000ltr	5	Job	7000.00	35000
6	NDSR	brass ball valve 1/2"	10	Each	700.00	7000
7	NDSR	brass ball valve 3/4"	5	Each	1500.00	7500
8	NDSR	brass ball valve 1"	5	Each	2100.00	10500
9	NDSR	brass ball valve 1-1/2"	5	Each	3200.00	16000
10	NDSR	brass ball valve 2-1/2"	5	Each	4500.00	22500
11	NDSR	CP waste coupling	50	Each	400.00	20000
12	NDSR	Pvc cistern tank handle	200	Each	150.00	30000
13	NDSR	Brass ball cock 1/2"	30	Each	900	27000
14	NDSR	brass ball cock 3/4"	10	Each	1700	17000
15	NDSR	brass ball cock 1"	30	Each	2300	69000
16	NDSR	kitchen sink waste coupling	50	Each	300	15000
17	NDSR	CPVC brass MTA 1/2"	10	Each	180	1800
18	NDSR	CPVC brass FTA 1/2"	10	Each	200	2000
19	NDSR	welding work	15	Job	2000	30000
20	NDSR	GI elbow 1/2"	20	Each	40	800
21	NDSR	GI socket 1/2"	20	Each	45	900
22	NDSR	GI nipple 1/2"x4"	20	Each	60	1200
23	NDSR	GI nipple 1/2"x6"	20	Each	75	1500
		STP/ETP PLANT				
24	NDSR	LIME POWDER	1000	Each	20	20000
25	NDSR	FERRIC ALUM	1000	Each	40	40000
26	NDSR	SODIUM HYPOCHLORIDE	300	Each	40	12000
27	NDSR	UREA	300	Each	30	9000
28	NDSR	DAP	200	Each	150	30000
29	NDSR	POLYELECTROLYTE	100	Each	500	50000
30	NDSR	CITRIC ACID	400	Each	190	76000
		Total				688200
		Add Cartage @ 1%				6882
		Total				695082
		Add Contractor Profit @ 15%, Then Total				104262.3
		Total 'B'				799344.3
		Add Labour cess @ 1% on 'B'				7993.443
		Total 'Z'				807337.74
		Add GST@18% on 'Z'				145320.7937
		Grand Total				944665.0937

ARMO Works in ESIC Medical College and Hospital Ludhiana-Bill of Quantity (BoQ)						
Horticulture item (DSR)						
SR. NO.	DSR 25	Description	Unit	Rate	Qty	Amount
1	303	Cow dung/ Cattle dung manure	Cum	270	50	₹ 13,500.00
2	1235A	Petrol	Litre	94.72	50	₹ 4,736.00
3	10005	Bermuda Grass or doob grass	Sqm	25	1000	₹ 25,000.00
4	10009	PVC Hexagonal net (Tufflex or equivalent)	Sqm	100	50	₹ 5,000.00
5	10025	Areca Palm 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	150	40	₹ 6,000.00
6	10032	Croton Challenger variety having ht. 30 cm and above, well developed with full of fresh and healthy leaves in 20 cm size of Earthen pot / Plastic pot.	Each	40	40	₹ 1,600.00
7	10062	Money Plant Broad Leaves mounted on moss stick 90 cm ht., 3 to 4 plants in each pot, well developed with full of fresh & healthy leaves in size of 25 cm Earthen pot / Plastic pot.	Each	170	50	₹ 8,500.00
8	10084	Seaforthia Palm having ht. 1.50 m to 1.80 m with 12-15 suckers, well developed, fresh and healthy lush green leaves from bottom to top in 30 cm size of Earthen pot / Plastic pot.	Each	450	45	₹ 20,250.00
9	10090	Syngonium golden mounted on moss stick 90 cm ht., 3 to 4 plants placed in each pot at equal distance, well developed with full of fresh & healthy leaves from bottom to top in 25 cm size of Earthen pot / Plastic pot.	Each	160	50	₹ 8,000.00
10	10481	Dreaceana pendanus, well developed, having 6 to 8 suckers with healthy foliage in 25 cm size Earthen pot /Plastic pot.	Each	165	50	₹ 8,250.00
11	10482	Rubber plant black variety, well developed, having 45 to 60 cm ht.with fresh, healthy and attractive colourful leaves in 25 cm size Earthen pot/ Plastic pot.	Each	80	35	₹ 2,800.00
12	10484	Schefflera green 3 in 1 well developed with fresh, healthy and attractive foliage having 45 cm to 60 cm ht. in 25 cm size Earthen pot/Plastic pot.	Each	165	40	₹ 6,600.00
13	10536	Draceana golden, having ht. 20 cm and above, well developed with fresh and healthy foliage in 20 cm Earthen pot / Plastic pot.	Each	150	50	₹ 7,500.00
Seasonal Plants						
Winter Seasonal Plants						
14	10092	Allyssum white in full bloom well developed fresh & healthy in 20 cm Earthen Pot/Plastic Pot.	Each	38	50	₹ 1,900.00
15	10096	Antirrhinum variety, well developed, fresh & healthy multi branched 30 to 45 cm ht, in full bloom with stacking in 30 cm Earthen Pot/Plastic Pot.	Each	48	45	₹ 2,160.00
16	10099	Begonia wax having 15 to 25 cm ht., well developed with fresh & healthy foliage with 10 to 12 flowers in bloom in 20 cm Earthen Pot/Plastic Pot.	Each	55	30	₹ 1,650.00
17	10106	Cineraria dwarf in different colour with fresh & healthy foliage well developed in 20 cm Earthen Pot/Plastic Pot.	Each	48	50	₹ 2,400.00
18	10111	Coleus broad leaves having 3 to 4 branches well developed with fresh & healthy foliage in different colour in 25 cm Earthen Pot/Plastic Pot.	Each	48	60	₹ 2,880.00
Summer & Rainy Seasonal						
19	10163	Caladium Hybrid variety 3 to 4 plants well developed with fresh & healthy foliage 30 to 45 cm ht. of different colour in 25 cm Earthen Pot/ Plastic Pot.	Each	58	40	₹ 2,320.00
20	10164	Cockscomb well developed fresh & healthy 20 to 25 cm ht. attractive colours fully bloomed in 20 cm Earthen Pot/Plastic Pot.	Each	38	200	₹ 7,600.00
21	10557	Torenia well developed with fresh & healthy foliage with bloom in 20 cm Earthen Pot/Plastic Pot.	Each	38	50	₹ 1,900.00
22	10559	Zinnia hybrid of different colour well developed fresh & healthy foliage with full bloom in 20 cm Earthen Pot/Plastic Pot.	Each	30	60	₹ 1,800.00
Rose & Other Plants						
23	10178	Budded Rose (H.T. variety) 3 to 4 healthy branch 30 cm and above ht. well developed with one and above flower plant in 20 cm Earthen Pot/Plastic Pot.	Each	29	100	₹ 2,900.00
24	10180	Standard Rose (H.T. variety) 3 to 4 healthy branch 90 cm and above ht. well developed with one and above flowers in 25 cm Earthen Pot/Plastic Pot.	Each	130	70	₹ 9,100.00

25	10488	Mogra of height 25 to 30 cm., 2 to 3 branch in 20 cm Earthen Pot/Plastic Pot.	Each	41	70	₹ 2,870.00
Total						₹ 157,216.00
Note: -						
1	The quantities of materials and items indicated are tentative and are meant for estimation purposes only. These quantities are liable to increase or decrease depending upon actual site conditions and requirements. Accordingly, payment shall be made on the basis of the actual quantities/items executed at site. Any extra item that may arise in future, if any, shall be executed by the agency/bidder as per DSR-2025 for DSR items, at the quoted percentage above or below the DSR rates. For NDSR items not covered in the estimate, the rates shall be based on the prevailing market rates.					
2	Any error or omission in item specification, rates, and unit can be corrected at any stage according to DSR 2025.					
3	The work shall be carried out as per CPWD specifications latest edition amended upto date.					

ARMO Works in ESIC Medical College and Hospital Ludhiana-Bill of Quantity (BoQ)

Horticulture Maintenance (DSR)

Sr No	DSR 25	Item Description	Unit	Rate	Qty.	Amount
1	2.7	Fine dressing of the ground.	Sqm	5.60	700.00	₹ 3,920.00
2	2.14.3	Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any, with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) : (A) Holes 60 cm dia, and 60 cm deep	Each	47.85	50	₹ 2,392.50
3	2.1	Trenching in ordinary soil up to a depth of 60 cm including removal and stacking of serviceable materials and then disposing of surplus soil, by spreading and neatly leveling within a lead of 50 m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or / and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure).	cum	119.00	50.00	₹ 5,950.00
4	2.2	Supplying and stacking of good earth at site including royalty and carriage upto 5 km complete (earth measured in stacks will be reduced by 20% for payment).	Cum	803.75	20.00	₹ 16,075.00
5	2.3	Supplying and stacking sludge at site including royalty and carriage upto 5 km complete (sludge measured in stacks will be reduced by 8% for payment).	Cum	431.75	50.00	₹ 21,587.50
6	2.4.1	Supplying and stacking at site dump manure from approved source, including carriage upto 5 km complete (manure measured in stacks will be reduced by 8% for payment) : Screened through sieve of I.S. designation 20 mm	Cum	391.35	50.00	₹ 19,567.50
7	2.8	Spreading of sludge, dump manure and/or good earth in required thickness as per direction of officer-in-charge (cost of sludge, dump manure and/ or good earth to be paid separately).	Cum	79.70	50.00	₹ 3,985.00
8	2.9	Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge	Cum	55.70	50.00	₹ 2,785.00
9	2.33	Providing and laying Neelgiri/Mexican grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with tools wooden (Dhurmos) and than rolling the surface with light roller make the surface smoothen and light watering with sprinkler and maintenance for 30 days or more till the grass establish properly, as per direction of officer-in-charge.	Sqm	257.00	50.00	₹ 12,850.00
10	2.34	Providing & laying Selection no. 1 grass turf with earth 50mm to 60mm thickness on existing ground prepared with proper level and ramming with required tools wooden and than rolling the surface with light roller make the surface smoothen and light watering the same, as per direction of officer in charge	sqm	87.50	20.00	₹ 1,750.00
11	2.56	Anti termite treatment of lawn area through premise 30.50% I P. one liter premise diluted in 499 liters water and applying solution @ 1.00 litre solution per sqm lawn or bed area.(two application) i/c cost of chemical)and as per direction of officer-in-charge.and as per direction of officer-in-charge.	sqm	4.10	5,000.00	₹ 20,500.00
12	2.59	Cleaning and Sweeping of Lawn / Garden area and keep it neat and clean by mechanized method / manually, remove litter,debries, picking of leaves, papers, plastic bottles etc. including disposal of collected waste in dustbin/ designated place, as per direction of officer -in- charge (All T & P, materials/ articles shall be provided by the contractor.)	sqm	4.15	5,000.00	₹ 20,750.00
TOTAL						₹ 132,112.50

Note: -	
1	The quantities of materials and items indicated are tentative and are meant for estimation purposes only. These quantities are liable to increase or decrease depending upon actual site conditions and requirements. Accordingly, payment shall be made on the basis of the actual quantities executed at site. Any extra item that may arise in future, if any, shall be executed by the agency/bidder as per DSR-2025 for DSR items, at the quoted percentage above or below the DSR rates. For NDSR items not covered in the estimate, the rates shall be based on the prevailing market rates.
2	Any error or omission in item specification, rates, and unit can be corrected at any stage according to DSR 2025.
3	The work shall be carried out as per CPWD specifications latest edition amended upto date.

ARMO Works in ESIC Medical College and Hospital Ludhiana-Bill of Quantity (BoQ)

Electrical Material

(1) Annual Repair/Maintenance Estimate for HT Equipments:

A. NDSR ITEMS						
S.No.	DSR/NDSR	Description	Qty	Unit	Unit Rate (Rs.)	Amount in Rs..
1	NDSR	Annual Repair/Maintenance & Servicing of 02 nos. 1000 KVA each Transformers, 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 & other parts of transformer etc, 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 CT, PT 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.	12	Month	59000	708000
2	NDSR	Annual Repair/Maintenance & Servicing of 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 of damaged/defective parts of ACB's, Repair 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 , fuses indicated lamps and control auxiliaries of capacitor panels, Indicating Instruments/ Meters and other small parts inside the panel.	12	Month	15000	180000
3	NDSR	Annual maintenance of fire fighting and protection system in a multistoried building, including AMC of diesel fire engine. Scope includes checking power supply and LED indicators of all fire panels, rectification of faults, maintenance of wet riser system, fire signal transmission from zonal to main panel, performance testing of hooters and manual call points, monthly cleaning and draining of the system. Also includes replacement of faulty smoke/heat detectors, amplifier, RI, fire bells, and other components. Checking of water pressure (min. 3.5 kg/sq.cm), operation of fire hydrant pump, system leakage, control panel, bell and siren functionality. Replacement of damaged fuel line fittings, valves, gaskets, fasteners, pressure gauges. Repair of water level indicators, pressure switches, Painting of fire hydrants and cabinets (internal & external). All as per CPWD specifications excluding FACP.	12	Month	87915	1054980
TOTAL (1+2+3) SAY A						1942980

(3) Annual Repair/Maintenance Estimate for Window & Split A.C's-154 Nos.

S No.	NDSR	Description	Qty	Unit	Rate	
3	NDSR	Annual Repair/Maintenance & servicing of Package Split type Air Conditioners of 1/1.5/2 TR rating comprising of cleaning of Condensers, Evaporators & Filters ,Replacement of Relays & Thermostat, oiling of Blower Motor & other Parts, change of filter, Pads, switches, cables, fans, wires, checking and sealing leakage of copper pipes, drain pipes, remote controls, Gas Charging ,Replacement of Cooling condensers/Evaporators , Replace/repairing of A C knobs / wiring , Fan Blades and other item. Checking of current drawn by each AC to known the healthy condition. The comprehensive service would i/c chemical service & wet service etc. as required. After regular service copper coils are to be sprayed/painted with Aerosol spray to prevent leakage .	154	Nos.	6500	1001000
4	NDSR	Refilling of fire extinguishers-ABC Type (6Kg.)	206	Each	800	164800
5	NDSR	Refilling of fire extinguishers-Co2 Type (4.5 kg)	10	Each	600	6000
6	NDSR	Hydraulic pressure testing of all types fire extinguisher as per IS:2190:2010 as required.	150	Each	400.00	60000.00

7	NDSR	Annual servicing, repair & Maintenance of DG Sets with B-check Spare parts i.e., Diesel Filters, Elements Oil Filter, Spinon Lub Oil Filter, Valves, Petronas Urania 1000 CH, Coolant Lub Oil, O-nng, Battery Terminal etc through OEM or OEM authorised agency but excluding replacemnet of report submitted to Er. in Charge after verify by concern office/Dispensary as per engineer in charge.				
	a)	Kirloskar/ cummins make 140 kva DG set	1	Each	180000	180000
	b)	Kirloskar make 250 kva DG set	1	Each	235000	235000
	c)	Mahindra make 250 kva DG set	1	Each	235000	235000

8	NDSR	Annual Repair/Maintenance, Operation & Servicing of Water Treatment Plant (Repair and Replacement of Spare Parts)	12	Month	20000	240000
9	NDSR	Annual Repair/Maintenance & Servicing of Tubewell and water Pump (Repair and Replacement of Spare Parts)	12	Month	11000	132000
10	NDSR	Annual Repair/Maintenance, Operation & Servicing of 1st floor OPD and Ground Floor OPD DUCTED UNITS, CASSET UNITS, Split Units, VRV OUT DOOR UNITS, AHUs. (Repai of Spare Parts)	12	Month	125000	1500000
11	NDSR	Operation & maintenance of 220 KLD STP cum ETP based on SAFF/MBBR technology including periodical checking of the plant i/c cost of oiling , greasing, routine maintenance of Electrical and Mechanical parts , necessary safety arrangements, day to day operation consumable such as gear oil, blower belt alongwith disposal of dried sludge as per direction of Engineer-in-charge. The rate includes all the cost involved in above running and maintenance except for electricity for operation which shall be provided by the client department free of cost, cleaning of tank quartly and quartly water Testing with lab report.	12	Month	100000	1200000
12	NDSR	Rewinding of Ceiling Fan / Exhaust Fan with annealed and insulated Copper Wire with necessary insulation, separators vibration arresting shellac, etc. including replacement of bearing if any transportation to and from the spot to workshop inclusive of releasing the re-fixing complete as required.	500	Each	800.00	400000
13	NDSR	PROVIDING AND LAYING ELECTRICAL LARI FOR DECORATION ON THE FRONT WALL OF HOSPITAL	30	DAYS	3000.00	90000
14	NDSR	replacement of kit kat fuse 100AMP-300AMP	5	Each	800.00	4000
TOTAL (3 TO 14) SAY B						5447800.00
B. DSR ITEMS						
15	5.2	Earthing with GI Earth Pipe 4.50 mtr. Long 40 mm dia i/c accessories with charcoal/ coke & salt as required.	7658	Each	5	38290
16	5.12	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	313	Meter	50	15650
17	5.18	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.	50	Meter	50	2500
18	10.1	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.				
19	10.1.1	Upto 35 sq.mm	453	Meter	50	22650
20	10.1.2	Above 35 sq.mm and upto 95 sq.mm	475	Meter	50	23750
21	10.7	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.				
22	10.7.1	Upto 35 sq.mm (clamped with 1mm thick saddle)	64	Meter	50	3200
23	7.7.2	Above 35 sq.mm and upto 95 sq.mm(clamped with 25x3mm MS flat camp	151	Meter	50	7550
24	8.6	LED Panel light 2x2 ft. (System lumen efficacy $\geq 105 < 120$ lm/Watt) Supplying, installation, Testing & Commissioning of Panel light 2x2 ft., of following body material and construction as per IS : 10322 with driver as per the requirement with Driver efficiency $> 85\%$, Operating voltage AC 140-270 Volt, frequency 50/60 hz, Operating temp range -5 0C to 40 0C, internal surge protection of 2.5 KV with Short & Open circuit protection, THD $< 10\%$, P. F. ≥ 0.95 , IP20, CRI > 80 , UGR (Unified Glare Rating) < 19 , Flicker free, (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), of minimum 50000 Burning Hours with, 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K / 4000°K / 5700°K /6500°K (As per ANSI Bin), SDCM(Standard Deviation Colour Matching) < 3 , Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing, complete in all respect i/c external connections with 1.5 sq mm FRLS/HFRR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy $\geq 105 < 120$ lm/Watt output . LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C). Powder coated die cast /Extruded aluminium Body (Thickness > 1.20 mm)				

	8.6.4	36 Watt	2508	each	10	25080
25	8.9	LED Batten light (System lumen efficacy $\geq 105 < 120$ lm/Watt). Supplying, Installation, Testing & Commissioning of LED surface mounted Batten light of following body material and construction as per IS : 10322 with driver (Replaceable) as per the requirement with Driver efficiency $> 85\%$, Operating voltage AC 140270 Volt, frequency 50/60 hz, Operating temp range -5°C to 40°C , internal surge protection of 2.5 KV with Short & Open circuit protection, THD $< 10\%$, P. F. ≥ 0.95 , IP20, CRI > 80 , Flicker free, (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends, CCT $3000^{\circ}\text{K} / 4000^{\circ}\text{K} / 5700^{\circ}\text{K} / 6500^{\circ}\text{K}$ (As per ANSI Bin), SDCM(Standard Deviation 45 DELHI SCHEDULE OF RATES (E&M)-2025 Colour Matching) < 3 , Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing, complete in all respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy $\geq 105 < 120$ lm/Watt output. LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED				
	8.9.1	18-22 Watt	681	Each	200	136200
26	8.14	LED Street light fixture, powder coated pressure die cast aluminium body (System lumen efficacy > 135 lm/Watt). Supplying, Installation, Testing & Commissioning of Street light LED fixture, powder coated pressure die cast aluminium body with built in or separate driver as per the requirement with Driver efficiency $> 85\%$, Input voltage: 140-270 Volt AC, frequency 50/60 hz, Operating temp range -5°C to 50°C , internal surge protection of 5 KV L,N,E as per IEC 61000-4-5, Driver efficiency $> 85\%$, THD $< 10\%$ as per IEC 61000-3-2, P. F. ≥ 0.95 , IP-66, IK-10, CRI > 70 , under voltage and over voltage protection, EMI-EMC as per CISPR-15, lenses for beam angle as per IESNA type I/II/III as per the width of the road and the project requirement., suitable to fit in up to 65mm dia pipe, life time (LED, Driver & electrical circuitry) of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT $3000^{\circ}\text{K} / 4000^{\circ}\text{K} / 5700^{\circ}\text{K} / 6500^{\circ}\text{K}$ (As per ANSI Bin), SDCM(Standard Deviation Color Matching) < 5 , Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard complete in all 51 DELHI SCHEDULE OF RATES (E&M)-2025 respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as require				
	8.14.15	100 watt	3374	Each	10	33740
	8.14.19	200 watt	6142	Each	10	61420
		TOTAL(15 TO 26) SAY C				370030
		GRAND TOTAL(A+B+C)				7760810.00

Note: -

1	The quantities of materials and items indicated are tentative and are meant for estimation purposes only. These quantities are liable to increase or decrease depending upon actual site conditions and requirements. Accordingly, payment shall be made on the basis of the actual quantities executed at site. Any extra item that may arise in future, if any, shall be executed by the agency/bidder as per DSR-2025 for DSR items, at the quoted percentage above or below the DSR rates. For NDSR items not covered in the estimate, the rates shall be based on the prevailing market rates.
2	Any error or omission in item specification, rates, and unit can be corrected at any stage according to DSR 2025.
3	The work shall be carried out as per CPWD specifications latest edition amended upto date.

ARMO Works in ESIC Medical College and Hospital Ludhiana-Bill of Quantity (BoQ)

Electrical Work

Sl. no	Ref. No./DSR-2025	PARTICULAR OF ITEMS	UNIT	RATE	Total Qty	DSR Amount	NDSR Amount
1		ISI marked, FRLS PVC insulated, single core copper conductor cable					
2	1101	1.5 sq. mm	Meter	18	1000	18000	
3	1102	2.5 sq. mm	Meter	28	1000	28000	
4	1103	4 sq. mm	Meter	42	1000	42000	
5	1104	6 sq. mm	Meter	63	100	6300	
6	1105	10 sq. mm	Meter	106	100	10600	
7	1106	16 sq. mm	Meter	164	50	8200	
8	1112	2 pair, 0.5 mm dia annealed copper conductor, FRLS PVC insulated, unarmoured, telephone cable	Meter	9.78	100	978	
		CONDUIT (STEEL& PVC) AND ACCESSORIES					
9	1224	20 mm dia. ISI marked, PVC conduit	Meter	21	500	10500	
10	1225	25 mm dia. ISI marked, PVC conduit	Meter	29	500	14500	
11	1227	40 mm dia. ISI marked, PVC conduit	Meter	64	200	12800	
12	1229	20mm dia PVC band	Each	8	200	1600	
13	1230	25 mm dia PVC Band	Each	11	200	2200	
14	1232	40 mm PVC bends	Each	28	150	4200	
		Metal Boxes					
15	1300	Modular GI box for 2 module	Each	33	100	3300	
16	1301	Modular GI box for 3 module	Each	41	100	4100	
17	1302	Modular GI box for 4 module	Each	48	120	5760	
18	1303	Modular GI box for 6 module	Each	74	100	7400	
19	1304	Modular GI box for 8 module	Each	90	150	13500	
20	1305	Modular GI box for 12 module	Each	114	100	11400	
		WIRING SWITCHES AND ACCESSORIES					
21	1421	Modular base & cover plate for 2 Module	Each	42	100	4200	
22	1422	Modular base & cover plate for 3 Module	Each	56	100	5600	
23	1423	Modular base & cover plate for 4 Module	Each	61	120	7320	
24	1424	Modular base & cover plate for 6 Module	Each	79	100	7900	
25	1425	Modular base & cover plate for 8 Module	Each	101	150	15150	
26	1426	Modular base & cover plate for 12 Module	Each	147	100	14700	
27	1401	Ceiling rose, 3 pin, 5 amps ISI marked	Each	20	200	4000	
28	1402	5/6 amps, one way modular switch, ISI marked	Each	34	500	17000	
29	1403	5/6 amps, two way modular switch, ISI marked	Each	68	100	6800	
30	1404	15/16 amps, one way modular switch, ISI marked	Each	74	200	14800	
31	1405	5/6 amps modular socket outlet, ISI marked	Each	63	200	12600	
32	1406	6 pin 15/16 amps modular socket outlet, ISI marked	Each	105	100	10500	
33	1407	Modular bell push, ISI marked	Each	62	100	6200	
34	1408	Stepped type Modular Fan regulator (2 module)	Each	220	400	88000	
35	1409	Telephone Socket outlet modular type	Each	68	20	1360	
36	1410	T.V. Socket outlet modular type	Each	68	20	1360	
37	1431	S.P. 5/6 A, one way switch, piano type ISI marked	Each	10	150	1500	
38	1433	15/16 amps, one way switch, piano type ISI marked	Each	48	100	4800	
39	1434	5/6 amps socket outlet, piano type ISI marked	Each	23	150	3450	
40	1435	6 pin 15/16 & 5/6 amps socket outlet, piano type ISI marked	Each	60	100	6000	
41	1436	Bell push, piano type	Each	19	20	380	
42	1437	Telephone Socket outlet piano type	Each	39	20	780	
43	1438	T.V. Socket outlet piano type	Each	28	20	560	
						0	
44	1452	PVC Batten/ Angle Holder	Each	22	70	1540	
		SWITCH DISCONNECTOR SFU AND MCCB					
46	1601	32 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	Each	1443	50	72150	

47	1604	125 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	Each	5151	15	77265	
48	1607	315 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	Each	10647	5	53235	
50	1610	3 pole MCCB, 100A, 16KA	Each	2644	20	52880	
51	1611	3 pole MCCB, 125A, 16KA	Each	3403	10	34030	

52	1615	3 pole MCCB,250A, 25KA	Each	9522	5	47610	
53	1618	3 pole MCCB,400A, 35KA	Each	15986	1	15986	
54	1620	3 pole MCCB,630A, 50KA	Each	20650	1	20650	
		MCB'S, ISOLATORS, RCCB'S AND MCB DB'S					
55	1706	6 amps to 32 amps, SP MCB,10 KA breaking capacity	Each	135	100	13500	
56	1708	6 amps. to 32 amps. ratings , DP MCB, "C" curve,10 KA breaking capacity	Each	432	50	21600	
57	1710	6 amps. to 32 amps. ratings , TPN MCB, "C" curve,10 KA breaking capacity	Each	869	50	43450	
58	1712	40 amps., 2 pole isolator	Each	270	50	13500	
59	1715	63 amps., 4 pole isolator	Each	664	20	13280	
60	1716	100 amps., 4 pole isolator	Each	810	50	40500	
61	1721	40 amps. rating, 4 pole RCCB, 30mA	Each	2352	10	23520	
62	1722	63 amps. rating, 4 pole RCCB, 30mA	Each	2052	10	20520	
63	1742	Sheet Steel DP MCB enclosure	Each	300	30	9000	
64	1743	Sheet Steel TPN MCB enclosure	Each	354	20	7080	
65	1754	4 way(4+12),TPN,MCB DB, Double Door,Horizontal type	Each	2712	25	67800	
		SCREWS, NUT BOTS AND OTHER ACCESSORIES					
66	2881	GI saddel 19mm X 0.55 mm for conduit	Each	1.80	100	180	
67	2882	GI saddel 19mm X 0.55 mm for conduit above 25mm	Each	1.80	100	180	
68	2857	PVC Fastener 40mm long	Each	0.90	500	450	
69	2858	PVC clip for fixing cable	Each	0.45	30	13.5	
70	2852	Iron screw 35mm X 6mm	Each	1.80	30	54	
71	2855	Steel Fastner 6 mm X 75mm	Each	7.20	30	216	
72	2856	Steel Fastner 8 mm X 75mm	Each	10.80	30	324	
		ALUMINIUM LUGS					
73	2201	Aluminium lugs 6 mm	Each	1.58	50	79	
74	2202	Aluminium lugs 10 mm	Each	2.10	50	105	
75	2203	Aluminium lugs 16 mm	Each	3.00	50	150	
76	2204	Aluminium lugs 25 mm	Each	4.13	50	206.5	
77	2205	Aluminium lugs 35 mm	Each	4.95	50	247.5	
78	2206	Aluminium lugs 50 mm	Each	7.43	50	371.5	
79	2207	Aluminium lugs 70 mm	Each	11.55	50	577.5	
80	2208	Aluminium lugs 95 mm	Each	12.38	50	619	
81	2209	Aluminium lugs 120 mm	Each	17.25	50	862.5	
82	2210	Aluminium lugs 150 mm	Each	22.50	50	1125	
83	2211	Aluminium lugs 185 mm	Each	27.75	50	1387.5	
84	2214	Aluminium lugs 300 mm	Each	67.50	50	3375	
		BLDC FAN					
85	4598	1200mm, BEE 5 star rating, service value ≥ 6.0 CM/Min/Watt, air delivery 210 CM/Min (Minimum)	Each	1890.00	50	94500	
86	4475	LED Batten light (System lumen efficacy $\geq 120 < 135$ lm/Watt) of following body materials. Powder coated die cast /Extruded aluminium Body (Thickness > 1.20 mm)	Each	343.22	200	68644	
	NDSR	CAPACITORS & BALL BEARINGS:					
87	NDSR	Supply and erection of Capacitors of different capacity for ceiling fans, exhaust fan & street light fittings etc.:-					
88	NDSR	Capacitor 2.5 μ F	Each	50	300	15000	
89	NDSR	Capacitor 4 μ F	Each	60	10	600	
90	NDSR	Capacitor 6 μ F	Each	70	10	700	
91	NDSR	Capacitor 10 μ F	Each	100	10	1000	

92	NDSR	i) Supply and erection of Ball Bearing of different sizes for ceiling fans and exhaust fan etc.:-				
93	NDSR	Ball Bearing 6201/6202	Each	70	200	14000
94	NDSR	2 core 10mm cable	Each	50	200	10000
95	NDSR	5 amps HRC fuses ISI marked	Each	70	15	1050
96	NDSR	32 amps HRC fuses ISI marked	Each	170	50	8500
97	NDSR	63 amps HRC fuses ISI marked	Each	450	50	22500
98	NDSR	125 amps HRC fuses ISI marked	Each	500	50	25000
99	NDSR	250 amps HRC fuses ISI marked	Each	1000	50	50000
100	NDSR	400 amps HRC fuses ISI marked	Each	1500	50	75000
101	NDSR	Providing 3 Pin 5 Amp Plug top suitable for 5 Amp socket outlet.(ISI Mark)	Each	70	50	3500
102	NDSR	Providing 3 Pin 15 amps plug top suitable for 15 amps socket (ISI Mark)	Each	100	50	5000
103	NDSR	Heating element of Geyser	Each	500	10	5000
104	NDSR	Assambly	Each	70	5	350
105	NDSR	Thermostate	Each	200	5	1000
106	NDSR	Full stator rewinding of Desert Cooler Motor (condenser type) including cleaning and insulating the stator slots,Shaft Repair, sleeving soldering wrapping of cotton tape, varnishing re-assembling and testing etc. complete.	Each	400	50	20000
107	NDSR	Rewinding of 3 Phase, 40 H.P. V6 Submersible Pump Motor including cleaning and insulating the stator slots, sleeving soldering wrapping of cotton tape, varnishing re-assembling and testing etc. complete.	Each	25000	2	50000
108	NDSR	lifting and lowering of 40 hp submersible pump	Each	10000	2	20000
109	NDSR	Replacement of 12 watt LED bulb (Make: CG/Philips/Havells/Bajaj)	Each	150	20	3000
110	NDSR	Replacement of 40 watt LED bulb (Make: CG/Philips/Havells/Bajaj)	Each	750	10	7500
111	NDSR	Replacement of Desert Cooler Pump	Each	350	25	8750
112	NDSR	Replacement of Desert cooler Pad set	Each	300	25	7500
113	NDSR	D-Huk	Each	175	20	3500
114	NDSR	Electric Bell (Mode: codeless)	Each	500	10	5000
115	NDSR	Fan Rod 2.5 Ft	Each	100	20	2000
116	NDSR	Flaxibal pipe	meter	50	50	2500
117		CCTV				
118	NDSR	Analog DVR	Each	20000	3	60000
119	NDSR	Hard Disk (Make: Segate/WD/Toshiba)	Each	5000	3	15000
120	NDSR	CCTV Power Supply 20 Amp(Make:- CP PLUS/secureeye)	Each	1600	3	4800
121	NDSR	Camera indoor/dome Analog HD/2MP	Each	2000	30	60000
122	NDSR	Camera outdoor/bullet Analog HD/2MP	Each	2500	30	75000
123	NDSR	BNC connector	Each	10	30	300
124	NDSR	DC Pin	Each	5	30	150
125	NDSR	CCTV Cable/wire (copper) 3+1	meter	100	500	50000
126		Water Cooler				
127	NDSR	Wate Cooler Compressor	Each	15000	10	150000
128	NDSR	Wate Cooler Thermostate	Each	500	10	5000
129	NDSR	Condenser Motor Rewinding	Each	100	10	1000
130	NDSR	Wate Cooler Capillary Tube	Each	200	10	2000
131	NDSR	WATER Cooler FILTER	Each	100	10	1000
132	NDSR	R22 GAS	Each	900	20	18000

133		RO-SYSTEM					
134	NDSR	Water Pump Commercial	Each	2000	10		20000
135	NDSR	Membrane 100 GPD	Each	1000	50		50000
136	NDSR	Power Supply 36W	Each	550	20		11000
137	NDSR	S.V	Each	300	10		3000
138	NDSR	F.R	Each	70	40		2800
139	NDSR	Pipe 3/8"	meter	50	15		750
140	NDSR	Pipe 1/4"	meter	50	15		750
141	NDSR	Elbow 3/8"X1/2"	Each	20	40		800
142	NDSR	Carbon candle 150 psi	Each	300	20		6000
143	NDSR	Sediment Candle 150 psi	Each	300	20		6000
144	NDSR	Spun 20"	Each	200	20		4000
145	NDSR	Spun 10"	Each	100	20		2000
146	NDSR	G.T.O 20"	Each	250	20		5000
147	NDSR	G.T.O 10"	Each	130	20		2600
148	NDSR	CTO 20"	Each	200	20		4000
149	NDSR	CTO 10"	Each	200	20		4000
150	NDSR	Membrane Housing 20"	Each	200	20		4000
151	NDSR	Membrane Housing 10"	Each	150	20		3000
152	NDSR	Auto Cut Set	Each	300	20		6000
153	NDSR	Bowl Commercial	Each	300	20		6000
		Total				1263061.50	951900
		Add Cartage @ 1%				12630.62	9519
		Total				1275692.12	961419
		Add Contractor Profit @ 15% on				191353.82	144212.85
		Total 'B'				1467045.93	1105631.85
		Labour cess @1% on B				14670.46	11056.32
		Total 'Z'				1481716.39	1116688.17
		Add GST @18% on 'Z'				266708.95	201003.87
		Total				1733754.88	1306635.72
		Total DSR/NDSR				1733754.88	1306635.72
		GRAND Total(III)					3040390.60

ARMO Works in ESIC Medical College and Hospital Ludhiana-Bill of Quantity (BoQ)								
MAN POWER CHARGES FOR DAY TO DAY ARM WORKS								
Subject : Estimate for ARM at ESIC Medical College and Hospital Ludhiana								
Sr No	Discription	Category	Unit	Duty hours/Shift	Reqd Strength for Hospital	Monthly expected deployment (mandays)	Monthly Emoulements for individual	Yearly emoulements in Rs for total workers
					A	B	M=K+L	N=A*M*12
1	Supervisor (Civil/Electrical)	Highly Skilled	Nos	General Duty	1	26	37258.76	447105.10
2	Fire Technician	Highly Skilled	Nos	01(per shift)	3.5	26	37258.76	1564867.85
3	HVAC Attendent Cum Technician	Highly Skilled	Nos	1(per shift)	4.5	26	37258.76	2011972.95
4	Electrician	Skilled	Nos	1(per shift)+ 2 General shift	5.5	26	34122.89	2252111.02
5	Sub station attendant cum DG Opearator	Highly Skilled	Nos	1(per shift)t	3.5	26	37258.76	1564867.85
6	Lift Opearator	Skilled	Nos	1(per shift)+ 1 General shift	4.5	26	34122.89	1842636.29
7	ETP cum STP Plant Operator	Skilled	NOS	1(per shift)	3.5	26	34122.89	1433161.56

7	Plumber	Skilled	Nos	1(per shift)+ 1 General shift	4.5	26	34122.89	1842636.29
8	Mason	Skilled	Nos	on call Basis	1	13	34122.89	409474.73
9	Carpenter	Skilled	Nos	on call Basis	1	13	34122.89	409474.73
10	Mali	un Skilled	Nos	General Duty	3	26	28991.60	1043697.69
11	Sewerman	un Skilled	Nos	General Duty	2	26	28991.60	695798.46
12	Helper	un Skilled	Nos	General Duty	16	26	28991.60	5566387.69
13	Pump Operator	Skilled	Nos	General Duty	1	26	34122.89	409474.73
14	PSA Plant Operator	Highly Skilled	Nos	on call Basis	1	13	37258.76	447105.10
TOTAL MANPOWER COST								21940772.06
Note :-								
* Helpers shall be depute as per the direction of ESIC Engineer.								
* General Duty Hours shall be from 9:00am to 5:30 pm and may be vary as per the direction of Engineer In-charge								
* CLC Minimum wages shall be follow on worker EPF/ESI AND BONUS shall be applicable as per prevailing								
* Manpower can be increased or decreased as per the requirement of ESIC. Payment shall be released to only actual								
*Above mentioned rates includes GST, labour cess, other services charges and Administrative service Charges per worker								