



**EMPLOYEES' STATE INSURANCE CORPORATION
ESIC MEDICAL COLLEGE & HOSPITAL, NH-3, NIT, FARIDABAD,
HARYANA**

NOTICE INVITING TENDER

**Name of Work: Annual Repair, Maintenance & Operation (ARM&O) of
ESIC Medical College & Hospital, Faridabad including
Attached Staff Quarters and Hostels.**

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**EMPLOYEES' STATE INSURANCE CORPORATION
ESIC MEDICAL COLLEGE & HOSPITAL, NIT-3, FARIDABAD,
HARYANA**

NOTICE INVITING E – TENDER

Dean, ESI Corporation Medical College & Hospital, Faridabad invites online percentage rate tender (in two bid) through e- tendering mode from reputed registered contractors of CPWD/ State PWD/ MES/ Railways/ BSNL or any government body dealing with Buildings and Roads with appropriate class as per tender document for ARMO work as detailed below:

S.No.	Particulars	Details
1	Name of work	Annual Repair, Maintenance & Operation (ARM&O) of ESIC Medical College & Hospital, Faridabad including Attached Staff Quarters and Hostels.
2	Estimated Cost	₹16,98,93,687.00/- (Rupees Sixteen Crore Ninety Eight Lakh Ninety Three Thousand Six Hundred Eighty Seven Only).
3	Earnest Money Deposit	Rs. 33,97,874.00 (2% of Estimated Cost)
4	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 & Hospital, Faridabad. If asked.	Only EMD to be submitted in Hard Copy at or before 11/05/2026, 02:00 P.M. in Tender Box kept at PMD Branch, Ground Floor, Academic Block, ESIC Medical College & Hospital, NH-3, NIT, Faridabad, Haryana. The proof of E-BG should be intimated in this email ID: dean-faridabad@esic.nic.in/ dean-faridabad@esic.gov.in
5	Period of Work	12 Months (1 Year or as per NIT Term & Conditions)
6	Availability of e - Tender / Bid document	https://eprocure.gov.in/eprocure/app and www.esic.nic.in
7	Date of Tender Document available to parties to download & To Participate	20/04/2026 @ 02:00 P.M. to 11/05/2026 @ 02:00 P.M.
8	Date of Bid Start & Date of Bid Closing	Bid Start Date: 20/04/2026 @ 02:00 P.M. Bid End Date: 11/05/2026 @ 02:00 P.M.
9	Date of Pre-Bid Meeting and Time/ Date of Online clarifications	06/05/2026 @ 12:00 Noon at Conference Hall, Ground floor, Academic Block, ESIC Medical College & Hospital, NH-3, NIT, Faridabad, Haryana. Online clarifications end Date: 06/05/2026 @ 11:00 A.M.
10	Date and time of Technical Bid opening	12/05/2026 @ 02:00 P.M.
11	Date and Time of opening of Financial Bids	Shall be communicated to only technically qualified bidders subsequently.

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.nic.in) to make themselves aware about the information related to the bidding.

DEAN

Instruction to Bidders



EMPLOYEES' STATE INSURANCE CORPORATION ESIC MEDICAL COLLEGE & HOSPITAL, NIT-3, FARIDABAD, HARYANA

(Ministry of Labour & Employment, Government of India)

Phone: 0129-2970111

Instructions for Online Bid Submission

E-Request for Proposal

**Annual Repair, Maintenance & Operation (ARM&O) of ESIC Medical College & Hospital,
Faridabad including Attached Staff Quarters and Hostels.**

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 contractor 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 & Hospital, NH-3, NIT, Faridabad, Haryana.
Email- dean-faridabad@esic.nic.in

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 user name 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 DSC’s 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 file name. 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 -III Digital Signature Certificate (DSC) having signing and encryption facilities to participate in this e – tendering process

Eligibility Criteria

- (i) The Bidder should have Experience of executing similar works completed as given below during the last 7 years ending last days of the month previous to the one in which applications are invited either of the following:

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 B) 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 / Hospitals Campus Premises having attached Residential Buildings and other ancillary structures including services.

- (ii) Should have an average annual financial turnover of 30% of tender cost on maintenance works during the last three financial years **(2022-23, 2023-24, 2024-25)** ending 31st March 2025.
- (iii) The value of completed works shall be brought to the current costing level by enhancing the actual value of work at a simple enhancement rate of 7 % per annum calculated from date of completion to last date of receipt of application for bid document.
- (iv) The Tenderer must have been registered in CPWD/State PWD/MES/Railways/BSNL or any government body dealing with Buildings and Roads with appropriate class.

Earnest Money Deposit:

Mode of Submission:

The ARMO Contractor shall submit the online bid consisting of duly attested scanned copies of documents pertaining to the Qualifying Criteria and Financial Bid only.

The Earnest Money Deposit (EMD) of Rs. 33,97,874.00/- shall be furnished by the bidder in any one of the following forms:

- a) Insurance Security Bond / Demand Draft / Banker's Cheque / Fixed Deposit Receipt of a Scheduled Commercial Bank, issued or drawn in favour of "ESI FUND ACCOUNT No.1", payable at Faridabad. The original (hard copy) of the EMD shall be deposited on or before **11/05/2026 at 02:00 P.M.** in the Tender EMD Box placed at PMD, Ground Floor, Academic Block, ESIC Medical College & Hospital, NH-3, NIT, Faridabad, in a separate sealed envelope clearly writing with: **"Annual Repair,**

Maintenance & Operation (ARM&O) of ESIC Medical College & Hospital, Faridabad including Attached Staff Quarters and Hostels”

OR

- b) An Electronic Bank Guarantee (e-BG) issued by a Scheduled Commercial Bank through the National e-Bank Guarantee (NeSL) Portal, in favour of “ESI FUND ACCOUNT No.1”, valid for the prescribed EMD validity period. The e-BG shall be uploaded on the CPP Portal on or before **11/05/2026 at 02:00 P.M.** and must be verifiable online through the NeSL Portal by the Tender Inviting Authority.

The bidder shall ensure that the e-BG remains live, valid, and verifiable on the NeSL Portal on the date and time of bid opening.

Failure to submit a valid EMD in any of the above acceptable forms shall result in summary rejection of the bid.

- c. EMD as above mentioned will be accepted in above manner shall accompany the bid.
- d. The Earnest Money Deposit (Bid Security) shall remain valid for a period of 45 (forty-five) days beyond the bid validity period, including any extension(s) of bid validity. Any bid received without a valid Bid Security (EMD) covering the entire bid validity period plus 45 days thereafter shall be summarily rejected at the bid opening stage.
- e. The earnest money shall be refunded to the unsuccessful tenderers after finalization of the contract.
- f. No interest is payable on the EMD/SD.
- g. The bid security (EMD) may be forfeited, if a bidder withdraws his bid during the specified period of bid validity, specified in the bid documents. In the case of successful bidder, if the bidder fails to submit the agreement bond along with Performance Guarantee within time specified in the Tender document after awarding of the contract, ESIC shall without prejudice to any other right or remedy available in Law, be at liberty to forfeit the earnest money absolutely.
- I) 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. All uploaded documents shall be digitally signed using the authorized DSC of the bidder. Incomplete bid is liable to be rejected.
- II) Delayed / late and submission of bids by any other mode other than online mode bids will not be accepted and summarily rejected.
- III) Conditional bid will not to be accepted and liable to the summarily rejected.
- IV) 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.
- V) **Bid Validity Period:** The tender for the work shall remain open for acceptance by the ESI Corporation for a period of one hundred thirty-five (135) days from the date of opening of the tender/bid, including any extension(s), if any.
- VI) ESI Corporation reserves the right to accept or reject any bid or annul the whole bidding process without assigning any reason whatsoever.
- VII) 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.

- VIII) Any discrepancy is noticed between the soft (as uploaded online).
- IX) 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.
- X) 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.
- XI) 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.
- XII) 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 Contractor shall be liable to be debarred from tendering / taking up works in ESIC.
- XIII) **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 Incorporation / Shop & Establishment Registration Certificate of Firm / Memorandum and Article of Association / Partnership Deed / Proprietorship Deed / Declaration of Proprietorship etc.
 - iv. Registration details as Contractor (Civil& E & M) with C.P.W.D.s / State P.W.D.s. / M.E.S. / Railways / BSNL with valid year of Registration.
 - v. Certificate of Work Experience as per Form – B. (copies of experience certificate to be enclosed)
 - vi. Certificate of Annual Financial Turnover for immediate last 3 consecutive financial years (**i.e. for the year 2022-23, 2023-24, 2024-25**) of 30% of tender amount from Chartered Accountant.
 - vii. Income Tax Return of the Firm for last three financial years (**i.e. for the year 2022-23, 2023-24, 2024-25**).
 - viii. Balance sheet / P & L Account of the firm for last three financial years (i.e. for the year **2022-23, 2023-24, 2024-25**) duly certified by Chartered Accountant.
 - ix. Certificate of Registration for Goods and Service Tax (GST).
 - x. Pan Card
 - xi. Valid ESIC Registration Certificate
 - xii. Valid EPF Registration Certificate
 - xiii. Copy of valid Electrical Contract License from Central Government or any State/UT Government.
 - xiv. Signed copy of tender document required to be uploaded.
 - xv. Any other documents as specified in the bid documents.
- XIV) The bid is invited from the intending and eligible bidders for twelve (12) months with effective from date mentioned in LOI/Agreement. 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 / contractor.

- XV) The site for the work is available as the ARM work is to be carried out in the running Medical College & hospital buildings and their premises having residential & Hostel buildings and other ancillary structures. The prospective eligible bidders are advised to inspect and examine the concerned Medical College & hospital buildings 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.
- XVI) Brief scope of services:
- The prospective bidder is supposed to provide comprehensive maintenance services to the entire Medical College & Hospital complex including attached Residential & Hostel buildings 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.
- XVII) 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, 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.
- XVIII) 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 and shall be released after successful completion of one year (DLP) of the work without any liability towards ESIC. All compensations of the other sum of money payable by the contractor under the terms of the contract may be deducted from SD.
- XIX) 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.

- XX) 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.
- XXI) The tender for the works shall remain open for acceptance for a period of one hundred thirty-five (135) 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 earnest money as aforesaid. Further the bidders shall not be allowed to participate in the re-tendering process of the work.
- XXII) 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.
- XXIII) 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.
- XXIV) 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.
- XXV) 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 Pact Agreement for which format is also being provided in the bid document.
- XXVI) **Standard CPWD Form-7/8 (with substitution of words as Director General of ESIC and ESIC in place of President of India and Government of India/CPWD respectively).**
- XXVII) **Integrity Agreement:**

It is hereby 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.

- XXVIII) 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. The GST, labour cess etc. vouchers required to be produced / submitted by the contractor, whenever asked by the ESIC.
- XXIX) Bid evaluation and award criteria
- (i) First of all, technical bid containing information as provided by bidder with regard to work experience, financial capability / soundness, organizational structure etc. viz. Forms – A, B, C 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 authority 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, shall be opened and evaluated by ESIC Authorities 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 to ensure mandatory norms and minimum Wages compliance as applicable in Central Govt.
 - (iv) Frivolous, unsigned, or anonymous complaints will not be entertained. it may lead to summary rejection and forfeiture of EMD/Bid Security. Complaints aimed only at delaying the tender will be ignored. Decision of the competent authority on acceptance/rejection of complaint is final.
 - (v) 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.
- (xxx) **Modification and Withdrawal of Bids:** A bidder may modify or withdraw his online bid after submission as per the facility provided in the CPP Portal, only prior to the date and time prescribed for end of submission of Bid. No bid shall be modified after the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and expiration of the period of bid validity specified. Partial/Complete Modification/ Withdrawal of a bid after the last day/time of bid submission through any means will result in forfeiture of EMD/suspension of the firm/vendor for a period of one year from being eligible to submit bids for contracts of ESIC, However, if bidder desires to withdraw before bid submission closing date/time, he may do so online on the CPP portal.
- (xxxi) **Rejection of Bids:** Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection of bid with forfeiture of EMD. Conditional tenders will be rejected.

Contract Agreement

(To be signed between ESIC and the Contractor on Non – Judicial Stamp Paper of minimum Rs. 500/-)

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 ESIC Medical College & Hospital, Faridabad including Attached Staff Quarters and Hostels complexes comprehensively maintained so as to ensure uninterrupted Medicare facilities to ESI beneficiaries through competent and eligible Contractor / 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 against the e-tender floated in CPP Portal vide bid ID No. _____ has agreed to award the contract for the work of “**Annual Repair, Maintenance & Operation (ARM&O) of ESIC Medical College & Hospital, Faridabad including Attached Staff Quarters and Hostels.**” 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-in-Charge 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 approved by the Engineer on the basis of the CPWD DAR, 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, 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) General Conditions of Contract or GCC shall mean the General Conditions of Contract as set forth in Appendix – 'A' to this Contract.
- (xi) Particular Conditions of Contract or PCC shall mean the particular conditions of Contract as set forth in Appendix – 'B' to this Contract.

2. **Period of Contract**

The Repair and Maintenance work shall be for a period of one year or as mentioned in the letter of 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 on the satisfactory performance of the Contractor. However, employer reserves it's right to terminate the Repair and Maintenance contract by giving 30days' notice at any time during the currency of the contract if the services of the contractor are not satisfactory as per the opinion of Engineer/ Client 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 there from 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) GCC – Appendix 'A'
 - (iii) PCC – Appendix 'B'
 - (iv) Instructions to Bidders
 - (v) Integrity Pact / Agreement
 - (vi) Letter of Transmittal and Tender
 - (vii) 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) Financial Bid / BOQ
- (iii) ESIC Requirements
- (iv) PCC
- (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 rates 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 or date specified in the letter of commencement, whichever is later.

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

For an on behalf of Contractor

.....

.....

Name:

Name:

Designation:

Post:

Address:

Address:

Official Seal

Official Seal

Witness:

Witness:

Signature:.....

Signature:

Name:

Name:

Address:

Address:

General Conditions of Contract (GCC)

- **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 person appointed by ESIC to act as Engineer-in-Charge 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.

- **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.

- **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.

- **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.

- **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 there from 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.

- **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.

- **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.

- **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.

- **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.

- **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.

- **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.

- **Defect Identification and it's rectifications**

Contractor shall immediately attend the defects and complaints noticed at site. The contractor 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 contractor 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.

- **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 contractor, the employer can impose liquidated damages on the contractor as detailed in the particular conditions.

- **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.

- **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.

- **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.

- **Monthly Statements for payments**

The Contractor shall submit Monthly Running Account Bills for the work executed up to the end of the previous month. Such bills shall be submitted in triplicate to the ESIC / Client on or before the 7th day of each succeeding month. The bill shall clearly indicate the quantities of work executed, rates as per the contract, statutory deductions, and net payable amount.

Each monthly bill shall be complete in all respects and supported with the following documents, in accordance with CPWD rules and labour law provisions:

1. **Attendance and Wage Records**
 - Biometric attendance sheets and/or duly authenticated physical attendance sheets for all deployed manpower.
 - Monthly wage/salary sheets.
 - Undertaking confirming that wages have been paid as per the Minimum Wages Act.
 - Proof of payment through bank transfer, supported by Workers' Bank Statements.
 - Copies of ESI and EPFO challans, along with relevant returns for the corresponding wage period.
 2. **Abstract of Bill:**
 - Summary sheet indicating item-wise quantities, rates, amounts for the current month, cumulative payments, previous payments made, and net balance due. If any variation/ extra items require to be claim should be as per contract clause mentioned in GCC & PCC.
 3. **Details of Work Executed:**
 - Measurement sheets showing detailed measurements of work executed during the billing period, duly verified by the Engineer-in-Charge or his authorized representative. Test check by Engineers as per ESIC DOP dated 08.03.2018.
 4. **Satisfactory Work Completion:**
 - Job Cards for all work executed during the month, duly signed by the user department / ESIC Engineers, certifying that the work has been carried out satisfactorily.
 - Job Cards shall indicate date of execution, description of work, quantity executed, and observations/remarks of the supervising authority.
 - These Job Cards shall serve as supporting documents for verification of measurements and approval of monthly payments.
 5. **Statutory and Contractual Compliance:**
 - Undertaking/certification by the Contractor confirming compliance with all applicable labour laws, CPWD labour regulations, safety provisions, and contractual obligations.
 - Any penalties, recoveries, or deductions as per T&C of contract agreement & decided by ESIC Engineers approved by Engineer-in-Charge shall be reflected in the bill.
 6. **Any Other Documents:**
 - Any other document, certificate, or clarification as may be required by ESIC Engineer / Engineer-in-Charge for verification of the bill, compliance of contract conditions, or statutory requirements shall require to be submitted as & when demanded.
- **Monthly Payments**
After submission of monthly bill complete in all respects by the contractor, Engineer shall check the bill and certify for payment within 15 days of the submission of bill. The payment shall be made through Bank in online mode.
 - **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 180 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 recording of the completion certificate for the work by competent authority, the performance guarantee shall be returned to the contractor, without any interest.
 - **Security Deposit**

In addition to Performance Guarantee, 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. Same shall be released after successful completion of one year (DLP) of the work without any liability towards ESIC. All compensations of the other sum of money payable by the contractor under the terms of the contract may be deducted from SD.

- **Correction of Interim payment Certificates / Running Bill**

The Engineer may be see for 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.

- **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.

- **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.

- **Dispute Resolution**

- a. **Amicable Settlement of Dispute**

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

- b. **Arbitration (for disputes below ₹10 Crore)**

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. The disputes shall be referred to the Arbitrator as per the sole decision of the Chief Engineer, ESIC whose decision shall be binding on the both parties.

- c. The award of the Arbitrator shall be final, conclusive and binding on both the parties.
- d. Notwithstanding anything contained elsewhere in the Contract, arbitration shall be applicable only for disputes/claims where the value of the dispute/claim is less than ₹10 crore. The said monetary limit shall be

determined with reference to the value of the dispute/claim and not the total value of the Contract, which may be higher. For all disputes/claims having a value of ₹10 crore or more, arbitration shall not be adopted as a mode of dispute resolution, and such disputes shall be subject to resolution through appropriate legal remedies as per applicable laws.

- e. **Settlement through Courts:** For disputes/claims where the value is ₹10 crore or more and amicable settlement has not been reached, the matter shall be referred to the competent Civil Court having jurisdiction, which shall be the final forum for adjudication.
- f. The work under the contract shall continue, during the Arbitration/ Court proceedings.

- **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.

- **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 fulfill these requirements shall attract the penal provisions of this contract arising out of the resultant non – execution of the work.

- **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 Medical College/ Hospital / Staff Quarters/ Hostels 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.

- **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 ARMO 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.

- **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.

In addition of above, the requirement of contractor's personnel Engineers to control the site day to day ARMO work execution. No extra payment shall be made on this account. The details are as follows:

S. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical Representative)	Minimum Experience	Numbers	Rate at which recovery shall be made from the contractor in the event of not fulfilling
1.	Graduate Engineer	Civil	Project Manager	07 years	01	Rs. 30,000/- per month
2.	Graduate Engineer OR Diploma Engineer	Electrical	Project planning/ quality/ billing Engineer	05 OR 08 years respectively	1+1	Rs. 15,000/- per month per person

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:

- persists in any misconduct or lack of care or unruly / inhuman behavior
- carried out duties incompetently or negligently,
- fails to conform with any provisions of the Contract, or
- 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.

- **Increase or Decrease of Manpower (as per CPWD yardsticks/ ESIC Manpower standardization)**

ESIC Medical College & Hospital, Faridabad shall have the absolute right to increase or decrease the number of manpower deployed under this contract in the beginning of the contract or at any stage during the contract period, as per its actual requirement at any stage of the contract.

In case of increase in manpower, the contractor shall deploy the additional manpower as per the requirement with prior approval of the competent authority, and payment shall be made accordingly as per the agreed contractual category rates for the additional manpower deployed.

In case of decrease in manpower, the contractor shall have no claim for compensation, damages, or loss on account of such reduction. Payment shall be made strictly on the basis of the actual number of manpower deployed and services rendered during the relevant period.

- **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.

- **Manner of Execution**

The Contractor shall carry out the work:

- In the manner (if any) specified in the Contract
- Efficiently, diligently and in a proper workmanlike and careful manner, in accordance with generally accepted professional techniques and good practices.
- 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.

- **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.

- **Insurance against injury to Persons and Damage to Property**

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

- **Responsibility of contractor**

- a) A Contractor shall not charge or collect any fee for engaging or employing worker for their deployment. Any such activity will amount to violation of the terms of the contract and the principal employer will be free to take appropriate action against the contractor as per applicable laws, rules and policies in this regard which may include termination of the contract, blacklisting of the contractor, etc.
- b) No contractual worker hired by a contractor shall provide services beyond the age of 60. The minimum age of the person hired on contract may also be specified keeping in view the technical and functional skills required for the job at hand but will in no case be below minimum prescribed years of age for contractual/ appointment.

- **Access to Books of Accounts:**

In case it is found to the satisfaction of the Buyer that the Seller has engaged an Agent or paid commission or influenced any person to obtain the contract as described in clauses relating to Agents/Agency Commission and penalty for use of undue influence, the Seller, on a specific request of the Buyer, shall provide necessary information/inspection of the relevant financial documents/information.

- **Non-disclosure of Contract documents:**

Except with the written consent of the Buyer/Seller, other party shall not disclose the contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party.

- **Liquidated Damages or Penalty for Breach of Terms & Condition:**

Intentional and consistent delay in payment of salary/wages shall not be tolerated by ESIC and a penalty of Rs. 10,000/- may be levied per day for delay in payment of salary/wages to engaged employees at the discretion of the competent authority. Said penalty, if imposed, shall be deducted from the total bill. In case of such repeated instances, the contract is liable to be terminated.

The Competent Authority may decrease, waive off or enhance the penalty prescribed in this clause depending on the past performance of the contractor and other relevant factors. The decision of competent authority shall be final with regard to imposition of penalty.

- **Warning:**

The Service Providers are prohibited from collecting any amount from the deployed personnel/ deducting/ receiving any amount from the Consolidated Remuneration payable to the deployed personnel in whatsoever form in the guise of providing employment, uniform, suitable postings etc. The issuance of appointment order at the time of engagement and Pay slip to the engaged personnel every month are to be complied strictly. Any deviation or non-compliance in this regard shall be viewed seriously and the contract is liable to be blacklisted/ terminated including initiation of suitable legal action against the service provider.

- **Risk Clause**

- a) The Contractor shall at all times have standby resource for Carrying out the contract in case of any failure of the existing arrangement, ESIC Medical College & Hospital, NIT-3, Faridabad, Haryana reserves the right for termination of the contract at any time by giving one month notice, if the services are found unsatisfactory or in case of violation of any terms & condition of contract and also has the right to award the contract to any other service provider at the cost, risk and responsibilities of Contractor and excess expenditure incurred on account of this will be recovered by the ESIC Medical College & Hospital, NIT-3, Faridabad, Haryana from the Contractor's Security Deposit or pending bill or by raising a separate claim.
- b) All necessary reports and other information will be supplied on a mutually agreed basis and regular meetings will be held with the Dean or other Authorized officers in this regard. Contractor and his staff shall take proper and reasonable precautions to preserve from loss, destruction, waste or misuse the areas of responsibility given to them by the Institution, and shall not knowingly lend to any person or company any of the effects or assets of the Institution, under their control.
- c) Training on soft skills, behavioural aspects and ethics must be done once in six month and first such training should be completed within one month from the commencement of contract and the pattern of functioning of ESIC Medical College & Hospital, NT-3, Faridabad, Haryana should be communicated to all deployed personnel.
- d) An awareness/sensitization session for not less than 4 hours should be conducted for all the deployed personnel on the POSH Act and about the ICC (Internal Complaints Committee). This should be completed within two months from the commencement of contract.
- e) Licenses if any required including CLC for providing the manpower services at the site will be obtained by the Contractor before commencing the services.

- **Termination of Contract**

The Buyer shall have the right to terminate this contract in part or in full in any of the following cases;

- a) The delivery of the services/material is delayed for causes not attributable to Force Majeure for more than 45 days after the scheduled date of delivery.
- b) The Contractor is declared bankrupt or becomes insolvent.
- c) The Delay in performance of services is delayed due to causes of Force Majeure by more than three months provided Force Majeure clause is included in contract.

- **Notices**

Any notice required or permitted by the contract shall be written in the English/Hindi language and may be delivered personally or may be sent by registered e-mail, addressed to the last known address of the party to whom it is sent.

- **Transfer and Sub-letting**

The Seller has no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof.

- **Force Majeure**

- a) The Service Provider shall not be liable for, forfeiture of its performance security, liquidated damages, termination for default, if and to the extent that its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.
- b) For purpose of this clause, "Force Majeure" means an event beyond the control of the Service Provider and not involving in their fault or negligence and not foreseeable. Such events may include, but are not restricted to, war or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- c) If a Force Majeure situation arises, the Service Provider shall promptly notify the Dean, ESIC Medical College & Hospital, NIT-3, Faridabad, Haryana in writing of such conditions and the cause thereof. Unless otherwise directed by the Institution in writing, the Service Provider shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

- **Monitoring of Manpower and Performance**

To ensure proper utilization of the deployed manpower and to safeguard against lack of work, negligence, or non-performance, the contractor shall ensure that all manpower performs the assigned duties diligently. A Daily Work and Performance Checklist (Annexure-I) shall be maintained at site. The work carried out by the deployed manpower shall be reviewed daily by the responsible contractor & PMD Engineer/official, and the same shall be duly signed in the checklist. If any deficiency, negligence, or lack of manpower is observed, the contractor shall take immediate corrective action as directed by the Engineer-in-Charge.

Daily Monitoring Checklist for ARM Work

Sr. No.	Particulars to be Checked	Yes/No	Remarks
1	Attendance of deployed manpower verified at site		
2	Manpower deployed as per approved strength		
3	Routine repair and maintenance works carried out as per Site requirement		
4	Complaints received from departments attended within time frame		
5	No idle manpower found during duty hours		
6	Any negligence or indiscipline observed in deployed manpower		

Contractor's Representative:

Name: _____

Signature: _____

Date: _____

Verified By:

Name: _____

Signature: _____

Date: _____

Particular Conditions of Contract (PCC)**ESIC's Requirements**

Name of Work : Annual Repair, Maintenance & Operation (ARM&O) of ESIC Medical College & Hospital, NH-3, NIT, Faridabad including Attached Staff Quarters and Hostels.

- **Scope of Work:**

The scopes of ARMO works of the Contractor under this Contract shall include for building structure are as follows:

a) Medical College & Hospital:

- Hospital Block: B+G+10
- Academic Block: B+G+4

b) Residential Quarters:

- Block A: B+G+10 – 43 Quarters
- Block A1: B+G+10 – 43 Quarters
- Block A2: B+G+10 – 43 Quarters
- Block C1: B+G+6 – 28 Quarters
- Block C2: B+G+6 – 28 Quarters
- Block D: B+G+5 – 18 Quarters

c) Hostel Block:

- Girls, Boys & Intern Hostel: B+G+6

d) Ancillary blocks:

- ESS block (G), Gas manifold (G) etc.

Area details: The details of Area are as follows:

Sl. No.	Description	Area in Sqm
1	Plot Area	1,20,393.10
2	Ground Coverage	29,396.31
3	Total Built up area including Basement	1,80,962.16

(A) Manpower Deployment

- The Contractor shall deploy required number of Engineers / Supervisor / Manpower's of Requisite skills, expertise, experience, aptitude, attitude etc. as per applicable norms and upto the satisfaction of ESIC to ensure that Medical College & Hospital/ Residential quarters/ Hostel premises are maintained with due diligence and Medicare services are not interrupted.
- ESIC Medical College & Hospital shall be the resource center for the manpower from where the required personnel shall be sent to Medical College & Hospital/ Residential quarters/ Hostel as per requirements from time to time.

(B) Under Civil, Plumbing and Horticulture Works

The contractor shall be responsible for comprehensive day-to-day, routine, preventive and breakdown maintenance of all civil, plumbing and horticulture works within the premises of Medical College & Hospital, Residential Quarters and Hostel Complex, including but not limited to the following:

(a) Civil and Plumbing Maintenance

1. Buildings & Structures

1.1 General Building Maintenance

- Maintenance of all existing buildings, blocks, sheds, boundary walls, roofs, terraces and other ancillary structures.
- Maintenance of staircases, corridors, verandahs, balconies, service shafts, lift lobbies and all common circulation areas.
- Maintenance of plinth protection, service yards and building peripheries.

1.2 Civil Repairs & Finishing Works

- Repairs to internal and external plaster, pointing, patch repairs, crack filling, surface finishing and expansion joints.
- Repairs and replacement of flooring including ceramic tiles, vitrified tiles, kota stone, marble, granite, chequered tiles, cement concrete flooring, Vinyl flooring etc.
- Repairs to skirting, dado, wall tiles, joint fillings, etc.
- Rectification of unsafe conditions such as loose tiles, broken steps, uneven flooring, damaged handrails, sharp edges, etc.

1.3 Doors, Windows & Joinery

- Repair, adjustment and replacement of doors, windows and ventilators including wooden, aluminium and steel frames and shutter etc..
- Repair/replacement of door and window hardware such as hinges, handles, locks, bolts, stays, door closers, stoppers, floor door spring, fittings/fixtures etc..
- Carpentry works related to partitions, shelves, cabinets, counter, etc.

1.4 Roofing, Terrace & Waterproofing Works

- Maintenance of roofs, terraces and sunken slabs including cleaning, removal of debris, silt and vegetation.
- Repairs to parapet walls, coping stones, rainwater khurras, gola treatments and correction of drainage slopes.
- Leak detection and rectification through suitable waterproofing treatments, etc.
- Repair/replacement of damaged ceiling panels, false ceiling systems, etc.

1.5 Ceiling & Interior Works

- Maintenance and repair of false ceilings including suspension systems, grids, hangers, access Panels, etc.

- Replacement of damaged gypsum boards, mineral fibre tiles, metal ceilings, PVC ceiling panels, etc.
- Repair and maintenance of service shafts, ducts, louvers, access doors, etc.

1.6 External Development & Infrastructure

- Maintenance of pavements, pathways, internal roads, driveways, kerbs, footpaths, paver block areas etc.
- Repair and upkeep of rainwater harvesting structures, recharge pits etc.

1.7 Painting & Surface Protection

- Internal and external painting etc.
- Periodic whitewashing, distempering, polishing and repainting as required.
- Treatment and rectification of dampness, seepage, fungus, algae and moisture-affected surfaces.
- Painting of grills, railings, doors, windows, gates, exposed structural steel members etc.

1.8 Emergency Works

- Execution of emergency civil works during monsoon, flooding, accidental damage etc.
- Immediate response to complaints affecting safety, hygiene and hospital operations.

2. Water Supply System

- Maintenance of internal and external water supply pipelines including GI, CI, MS, PVC and CPVC lines, etc.
- Repair and replacement of defective valves, sluice valves, non-return valves, float valves, ball cocks, control valves, etc.
- Maintenance of overhead tanks, underground tanks &sumps, pump rooms and distribution networks.

3. Sanitary Installations & Plumbing

- Attending complaints related to leakage, seepage and water wastage in toilets, bathrooms, kitchens, service areas etc.
- Replacement of broken or defective WC pans, wash basins, urinals, cisterns, faucets, traps, allied fixtures etc.
- Ensuring availability and functionality of all sanitary fittings in Hospital, Medical college, hostels and residential quarters.
- Repair/replacement of faulty water taps, angle valves, flushing cisterns, sensor taps, shower fittings, pipe joints etc.
- Replacement of damaged PVC/CPVC waste pipes, rainwater pipes, floor traps, nahani traps, connectors etc.

4. Drainage & Sewerage System

- Removal of chokage/blockage in soil, waste and rainwater pipes, manholes, inspection chambers etc.
- Maintenance and repair of internal and external drainage networks including storm water drains,

Sewage lines etc.

- Replacement/installation of missing or damaged manhole covers, gully trap covers, gratings etc.
- Desilting, cleaning and restoration of flow in drains during monsoon and emergency situations.
- Maintenance of STP, ETP, WTP, etc.

(b) Water Quality & Hygiene

- Periodic cleaning, washing and disinfection of underground and overhead water tanks as per prescribed procedure.
- Flushing and cleaning of water supply lines, strainers and allied appurtenances to ensure potable water quality.
- Submission of cleaning schedules, records and water quality compliance as directed by Engineer-in-Charge.

(c) Horticulture & Landscaping

- Maintenance of lawns, hedges, shrubs, flower beds, potted plants and landscaped areas.
- Regular watering, mowing, trimming, pruning, manure application and pest control.
- Replacement of dead plants and upkeep of green areas to maintain aesthetic appearance.
- Maintenance of pathways, borders, irrigation lines and horticulture infrastructure.

(C) Under Electro-Mechanical Works – Detailed Scope of Work

1. Internal Electrical Installations (IEI):Comprehensive operation, routine inspection, testing, preventive and breakdown maintenance of all internal electrical systems including:

- LT panels, sub-panels, distribution boards, MCCBs/MCBs, contactors, relays, bus bars and associated accessories.
- Internal wiring, circuits, conduits, cables, switches, sockets, ceiling/exhaust fans, luminaires, LED fittings and emergency lighting.
- UPS systems, batteries, battery chargers, change-over arrangements and related controls.
- Periodic load balancing, tightening of connections, insulation resistance testing and rectification of faults.
- Replacement of defective components, fittings and accessories as required for safe and uninterrupted operation.

2. External Electrical Installations (EEI):Operation, monitoring, preventive and corrective maintenance of all external electrical installations including:

- HT/LT substations, transformers, VCBs, ACBs, panels, meters and associated protection systems.
- DG sets including AMF panels, fuel systems, batteries, exhaust systems and routine trial runs.
- External and campus lighting, street lights, high mast lights and allied cabling.
- Earthing system, lightning arrestors and periodic testing of earth resistance.
- Electrical pumps, motors, starters, control panels and allied accessories.

- UPS systems installed for external/critical services.
- Ensuring statutory compliance, safety norms and proper log books/records.

3. Public Address, Audio-Visual, CCTV and Signage Systems: Operation and maintenance of all low-voltage and electronic systems including:

- Public Address system: amplifiers, microphones, speakers, cabling and control units.
- Audio-Visual systems: displays, projectors, control panels, interfaces and related accessories.
- CCTV surveillance system: cameras, NVRs/DVRs, monitors, storage devices, networking and power supplies.
- Digital and static signages including power supply, controllers and display panels.
- Routine checking, cleaning, configuration, fault rectification and replacement of defective items to ensure uninterrupted functionality.

4. The works comprise Comprehensive Annual Maintenance, Operation, Preventive and Breakdown Maintenance of Electro-Mechanical installations at ESIC Medical College & Hospital, Faridabad, including supply of necessary consumables, tools, tackles, to ensure uninterrupted, safe and efficient operation of all systems, as detailed below:

4.1) CAMC of Transformer (11/0.433 kV) – ESS Area

- Routine inspection, operation and preventive maintenance of transformer including oil level, breather, silica gel, conservator, bushings, cooling system, etc.
- Filtration, dehydration, testing and topping up of transformer oil as required.
- Measurement of insulation resistance, earth resistance and recording of electrical parameters.
- Cleaning, tightening and checking of HT/LT terminations and connections.
- Maintenance of protection devices, relays, meters, alarms, etc.
- Attending breakdowns and rectification of faults.
- Maintenance of log books and submission of test reports as per statutory requirements.

4.2) CAMC of STP & ETP: (02 Nos. × 400 KLD STP and 01 No. × 60 KLD ETP – Hospital & Housing)

- Operation, monitoring and preventive maintenance of complete STP/ETP systems.
- Maintenance of pumps, blowers, motors, aerators, diffusers, valves, pipelines, tanks etc.
- Servicing of electrical panels, starters, MCCBs, controls and instrumentation.
- Monitoring treated water quality to meet CPCB/State Pollution Control norms.
- Attending breakdowns, repair/replacement of worn-out parts.
- Maintaining daily log books, performance records and compliance reports.

4.3) CAMC of Kitchen Equipment

- Preventive and breakdown maintenance of all installed kitchen equipment.
- Inspection, cleaning, lubrication and adjustment of mechanical and electrical parts.
- Replacement of minor consumables and defective components required for normal functioning.
- Ensuring operational safety, hygiene and compliance with applicable standards.
- Maintenance of service records and prompts breakdown response.

4.4) CAMC of 11 kV Panels

- Preventive and corrective maintenance of 11 kV panels including VCBs, bus bars, CTs, PTs, relays and meters.
- Periodic cleaning, tightening of connections and inspection of moving parts.
- Testing and calibration of protection relays and meters.
- Checking interlocks, tripping circuits, indication lamps and alarms.
- Breakdown attendance, fault rectification and replacement of defective parts.
- Maintenance of danger boards, safety signage and submission of test reports.

4.5) CAMC of Cooling Towers for DG Sets

- Operation and preventive maintenance of cooling towers attached to DG sets.
- Cleaning of basins, fill media, strainers and drift eliminators.
- Servicing and lubrication of fans, motors, gear boxes and drive mechanisms.
- Checking make-up water system, valves and pipelines.
- Attending breakdowns and ensuring effective cooling during DG operation.
- Maintaining operation and maintenance records.

4.6) General Obligations of Contractor

- Compliance with CPWD specifications, IE Rules, NBC and OEM guidelines.
- All minor materials, consumables, tools and tackles shall be included in quoted rates.
- Scrap generated shall be handed over to ESIC.
- 24×7 breakdown support with minimum downtime.
- Maintenance of registers, log books and submission of monthly reports.

Any other repair and maintenance works required for smooth and uninterrupted functioning of the hospital and campus, as directed by the Engineer-in-Charge and as per direction of Dean, ESIC MC&H Faridabad.

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 & CPWD DAR. An element of overhead including T&P @ 7.5% + Contractor’s Profit (CP) @ 7.5 % shall be allowed.

For any Extra items / substituted items / in quantities of BOQ items, Contractor has to intimate ESIC with justification & tentative costing and obtained prior approval from Competent Technical Authority before work execution.

3. The works shall be carried out in accordance with **CPWD Specifications 2019, Vol-I & II with upto date correction slip** 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. **Maintenance Office / Service Centre and Complaint Redressal:**

- **Establishment of Maintenance Office / Service Centre:** The Contractor shall establish and maintain a dedicated Maintenance Office / Service Centre / Sewa Kendra at a location approved by the Engineer-in-Charge. The office shall be fully equipped to receive and process complaints from the concerned ESIC officials, bona-fide residents, or any authorized representatives. Complaints may be lodged through the following modes:
 - Written hard copies submitted at the Maintenance Office / Service Centre.
 - Electronic communication, including official e-mail.
 - SMS or WhatsApp messages sent to the mobile numbers of the Contractor or designated supervisory personnel (available 24 × 7) to be recorded by Contractor’s Engineers.
- **Complaint Registration:** The Contractor shall maintain a Complaint Register to record all complaints immediately upon receipt. The register shall be:
 - Updated daily, including complaints received via all channels as mentioned above to be recorded by Contractor’s Engineers.
 - Categorized by nature of complaint, date & time of receipt, location, urgency, and responsible personnel.
 - Maintained in accordance with the instructions of the Engineer-in-Charge / ESIC to ensure formalization of all complaints into the maintenance system for timely action.
- **Redressal and Monitoring:** The Contractor shall ensure that all complaints are attended to with due diligence and resolved within the optimum time as mentioned in PCC of this contract.

- Complaints received via SMS, WhatsApp, or email shall be given equal weightage as those received in hard copy to be recorded by Contractor's Engineers.
 - The Contractor shall designate responsible personnel at the Maintenance Office / Service Centre for complaint registration, monitoring, and coordination.
 - Non-compliance with complaint registration or delayed redressal may attract penalties as per the terms of the contract.
 - The same shall be verified by the ESIC JE on regular basis & Countersigned by ESIC AE time to time.
 - **Satisfactory Work Completion:** Job Cards for all work executed during the month, duly signed by the user department / ESIC Engineers, certifying that the work has been carried out satisfactorily. Engineer-in-charge shall replace with ESIC Engineer when supervision of work involve.
 - Job Cards shall indicate date of execution, description of work, quantity executed, and observations/remarks of the supervising authority.
 - These Job Cards shall serve as supporting documents for verification of measurements and approval of monthly payments.
5. 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 (24 X 7) to the mobile phone of the Contractors / Supervisory personnel and these complaints shall also be given due weightages can be lodged by the concerned ESIC officials / bona-fide residents.
6. 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 as below:

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	1 Hours
2	Minor Complaints	24 Hours
3	Major Complaints	10 days
4	Periodical Complaints	15 days

ESIC Engineers will decide the nature of complaint as per site requirement & functional need of the site.

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

- (i) The recovery of Rs **300/-(Rupees three 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.

Subject to maximum upto 10% of the individual complaint / quantum of complaint.

7. All required site document / register serially numbered will be certified by Engineer-in-charge/Authorized Engineer 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.

8. 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/Authorized Engineer shall make recovery from contractor's bill as per corresponding condition.
9. 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 Junior Engineer/ Assistant Engineer or his representative preferably on daily basis.
10. 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.
11. Operations in which assistance shall be provided by the maintenance contractor / 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 Medical College & Hospital/ Residential quarters/ Hostel 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 center for lodging complaint in person or on phone.
12. 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 workers deployed by the contractor shall be got done by the contractor compulsorily and a copy of police verification shall be provided to ESIC after which an identity card duly countersigned by ESIC 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.

13. The contractor shall provide uniform with their contractor's company logo / name 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 labors 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.
14. The rates in the estimate are including T & P costing required for ARMO works. All T&P including ladders, wire drawing equipment, chase cutting equipment, drilling machine megger insulation, earth resistance testing equipment, Grass cutting machine (Mechanical & Electrical) etc. required for the work shall have to be arranged by the contractor. No T&P shall be issued by the Department. No extra payments for T & P will be paid by ESIC.
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/Authorized Engineer 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/Authorized Engineer.
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(Central / State / UT government, whichever is higher), workmen compensation act and other statutory laws enacted by Central Govt. as well as State / UTGovt.
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. 500/-** 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/Authorized Engineer 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 Medical College/ Hospital & 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. 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 Major work and addition/ alteration work shall be carried out in any building without prior approval of 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/Authorized Engineer 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 contractor 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/Authorized Engineer 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/Authorized Engineer.

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.
- (v) 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 / authorised representative Staff of ESIC /ESIS for 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	1000/-	In case workmen are found absent for particular hours of the day without intimation the Engineer or not marked the Biometric attendance, the recovery shall be made on pro – rata basis by considering 8 hrs. of the duty in a day including wages of same day. Further, if at any stage it is found that the qualification of any deployed worker does not meet the prescribed requirements of ESIC, payment for that category shall be restricted to the actual eligible category. Any excess amount already paid for such worker shall be recovered as per the CLC wage rates applicable to the appropriate category.
2.	Highly Skilled	1,000/-	
3.	Skilled	800/-	
4.	Semi – Skilled	800/-	
5.	Unskilled	600/-	

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/Authorized Engineer.
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. The contractor shall work according to the Programme of work as approved by the Engineer- in-charge, for which purpose, the contractor shall submit a tentative Programme of the work within 15 days from the stipulated date of start of the work.
39. **The contractor is supposed to inspect the buildings/ work site before tendering. He should collect and get acquainted with all relevant prevailing conditions of site restrictions etc. available for proper and smooth execution of work. The contractor shall inspect the distance between Medical College/ Hospital/ staff quarters/ Hostels etc. and satisfy themselves before quoting the rates for smooth execution of work.**
40. 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.
41. Contractor should have valid Electrical contract license issued from State / Central Government.
42. It will be the responsibility of contractor to get the renewal / coordinate with local authority for Fire NOC, Pollution NOC (ETP/STP)etc. the contractor to get Megger Test certificate of circuit breaker, Transformer, panel, HV cable from Eligible class-A contractor of Electricity department as per direction of Electricity department (If applicable). No extra cost will be paid by ESIC, except legal/statutory departmental fees on production of documentary proof (as applicable & direction from Engineer-in-Charge).
43. Water of water tank should be tested from NABL accredited laboratory or any other Govt. approved lab on half yearly basis for which no extra payment will be made by ESIC.
44. 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.
45. Space to be provided to contractor by ESIC free of cost for setting up of Office as per approval of competent authority of ESIC till maturity / completion of work.
46. If a bid is lower than 10% below the estimated project cost additional performance security will be 0.1% for every percentage point the bid is below the 10% threshold (so for example, if you've bid 12% below, for the 2% beyond the 10% you pay $0.1\% \times 2 = 0.2\%$ extra security).
47. If the bid is 20% or more below the estimated cost then the APS is higher: an increment of 0.2% of bid price for every percentage point beyond that 20% mark, plus a base of 1% of the bid price.
48. In repair & maintenance works, the appropriate numbers and Experienced Engineer to be engaged by the contractor under overhead charges as per the Norms for the particular contract value. No extra payment will be paid, as applicable.
49. The qualified contract (L-1 bidder) shall not be allowed to sublet the whole work. However, for any specialized job decision of the ESIC competent authority shall be required to sublet work to any sub-contractor/ sub agencies.

Other 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.
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. to 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 on Government 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 laborer.
8. Whenever any major defects occur in the system, the firm will inform immediately to department for taking proper action for required decision/approval.
9. The contractor shall provide and maintain attendance register for the maintenance staff at site which shall be checked by Engineer-in-charge/Authorized Engineer.
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(Police Verification) of all manpower to Engineer-in- Charge before start of the work and as and when demanded
13. The Contractor shall provide adequate nos. of mobile phone to their Supervisors at site to enable the JEs/AEs/ Engineer-in-charge to have easy and quick communication. Nothing extra shall be paid to the contractor on this account.
14. The Contractor will be strictly comply all applicable statutory provision such as Employer's contribution of ESI, EPF, GST, Labor Laws and safety regulations, etc. for which reimbursement of statutory components will be allowed on actual basis after the submission of valid authenticated documentary evidence by the contractor, if not covered in sanctioned estimated cost.
15. ESIC Medical College & Hospital, Faridabad shall have the absolute right to increase or decrease the number of manpower deployed under this contract in the beginning of the contract or at any stage during the contract period, as per its actual requirement at any stage of the contract.

In case of increase in manpower, the contractor shall deploy the additional manpower as per the requirement with prior approval of the competent authority, and payment shall be made accordingly as per the agreed contractual category rates for the additional manpower deployed.

In case of decrease in manpower, the contractor shall have no claim for compensation, damages, or loss on account of such reduction. Payment shall be made strictly on the basis of the actual number of manpower deployed and services rendered during the relevant period.

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

1. All the minor items such as cotton waste, grease, detergent, pilot lamp for phase T & P 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 JEs/AEs/ Engineer-in-charge concerned for any defect/non-functioning 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 contract 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/Authorized Engineer well in advance for which formalities for procurement of the same can be done in advance.
5. Contractor shall supply Log book, Dhوتي, cleaning material, petroleum jelly, distilled water for battery within the scope of this work without any extra cost.
6. The contractor 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.
10. The contractor has to take NOC (i.e sound Test & smoke emission test certificate) from DPCC for which no extra payment will be made as applicable.

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 improper 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.
4. Checking of Water level in the makeup 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 preventers, 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 pumps 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 Local Fire Services personnel.
2. Routine maintenance of automatic/manual fire alarm system, PA & talk 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 Local 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.
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.

The contractor has to coordinate with local fire authority for getting NOC of fire for which no extra payment will be made as applicable.
- 6.

1. Schedule of Credit - I & II for Civil and Plumbing Work and Electrical works.

To be enter individually as per the local available items / rates as per sites.

2. Responsibilities of the Contractor:

- a) Contractor shall be solely responsible to pay the retrenchment compensation within the parameter of Section 25F of the Industrial Dispute Act. Contractor shall be liable to follow all the provisions of the Industrial Disputes Act, 1947.
- b) A contractor shall not charge or collect any fee for engaging or employing workers for their deployment. Any such activity will amount to violation of the terms of the contract and the principal employer will be free to take appropriate action against the contractor as per applicable laws, rules and policies in this regard which may include termination of the contract, blacklisting of the contractor, etc.
- c) No contractual worker hired by a contractor shall provide services beyond the age of 60. The minimum age of the person hired on contract may also be specified keeping in view the technical and functional skills required for the job at hand but will in no case be below minimum prescribed years of age for contractual engagement/ appointment.
- d) Contractor shall ensure to obtain written undertaking from every worker deployed by it that he/she shall have no claim for any job in ESIC. Such undertaking from each deployed manpower shall be submitted to ESIC before deployment during the currency of contract.
- e) The contractor shall provide a Grievance Redressal Mechanism for contract workers by putting a complaint box in a prominent place in the premises of ESIC field units, so that

any contractual workers who have complaints against the contractors would be able to submit their complaints in those boxes.

- f) Contractor shall ensure that ESIC premises is not being utilized in any manner for conduct of any activity other than official work relating to ESIC during the currency of contract.
- g) The manner in which the contractor engages manpower and cases of disengagement from work, if any, would entirely be under the purview of the contractor to decide, However, as far as possible, attempt shall be made by the contractors to engage the willing and suitable manpower from the previous contractors as long as there are no complaints against them. The continuation of contractual workers shall always be in accordance with law and this will not be construed as giving any permanence to the contractual employees.
- h) In an event of deficiency in performance, misconduct and involvement in any act prejudicial to the interest of the Corporation by a worker, the Contractor shall be liable to transfer/terminate and take suitable action against that worker as per law and at his own discretion/instruction of the Principal Employer.
- i) Contractor shall also be responsible to make good against any loss incurred to the Corporation due to such misconducts by the worker engaged by them. On termination/expiry of the contract of a contractor, ESIC would not be responsible for the re-employment of the workers.
- j) The register of workmen employed by contractor (Form XIII) under Contract Labour (R&A) Rules, 1971 shall be called for and verified by the principal employer every month while settling the contractor's monthly bill.
- k) The contractor, his authorized representative, workmen etc. shall strictly observe orders pertaining to fire precautions prevailing in the area.
- l) Contractor need to provide identity proof, address proof, and Police Verification Report of all engaged workers by the relevant police authority.

3. GUARANTEE FOR WATER PROOFING TREATMENT

Five-year guarantee in prescribed (attached) pro-forma attached must be given by the contractor for the water proofing treatment. In addition, **10% (ten percent)** of the cost of these items would be retained as guarantee to watch the performance of the work executed. However, half of this amount (withheld) would be released after two monsoon seasons after the completion of the work in the performance of the water proofing work done is found satisfactory. If any defect is noticed during the guarantee period it should be rectified by the contractor within seven days and, if not attended to, the same shall be got done by other contractor / Contractor at the risk and cost of the contractor. In any case the guaranteeing firms during the guarantee period should inspect and examine the treatment once in every year and make good any defect observed. However, the security deposit can be released in full, if a call receipt of a Bank Guarantee from scheduled Bank / Fixed Deposit receipt of Scheduled Bank / Demand Draft of Scheduled Bank issued / drawn in favour of ESI FUND ACCOUNT NO.1, payable at Faridabad for 05 (five) year is produced and deposited with the department.

PRODUCT DELIVERY, STORAGE AND HANDLING:

- a. The contractor shall construct storage space for chemicals and other materials to ensure that the storage conditions are as recommended by the manufactures.
- b. All the materials shall be procured and delivered in seal containers with labels equable

and intact.

- c. All the chemicals (polymers, rusticides, epoxy water proofing compound, etc.) shall be procured in convenient pack, say 20 liters (KGs.) capacity packing only or as approved by the Engineer-in-charge/Authorized Engineer, and not in bigger capacity containers, say 200 liters (KGs.) drums.
- d. All required materials for the ARM Work shall be got approved, procured and deposited with the department supervisory staff. The materials will be kept in joint custody of the contractor and the department. The watch and ward of such material shall however, remain to be the responsibility to the contractor and no claim, whatsoever, on this account shall be entertained. Different containers of each chemical shall be serially numbered on packing also consumed in that order. Day to Day account of receipt, issue and balance will be regulated by the department and proper account shall be maintained at the site of work in the prescribed form as per standard practice.
- e. All the chemicals shall be procured by the contractor directly from the manufacture or their authorized dealers and copies of challan / cash memos towards the quantity of various chemicals procured shall be made available by the contractor to the department and the same shall be kept in record. The name of manufacture, manufacture's product identification, and manufacturer's mixing instructions, warning for handling and toxicity and date of manufacturing and shelf life shall be clearly and legibly mentioned on the labels of each container.
- f. The contractor shall submit for the chemicals procured, manufacture's and / or authorized dealer's certificate regarding supplying and verifying conformance to the material specification, as specified.
- g. All filled containers shall be handled in safe manner and in a way to avoid breaking container seals.
- h. Empty containers of the chemicals should not be removed from the site till the completion of work and shall be removed only with the written approval of the Engineer-in-charge/Authorized Engineer.
- i. All arrangement for measuring, dosing and mixing of materials / chemicals at site has to be made by the contractor. Nothing extra shall be payable on this account.
- j. Contractor shall suitably advise his site Engineer and all the workers as regard safe handling of chemicals. Necessary protective and safety equipment's in form of safety helmets, hand gloves, goggles etc. shall be provided by the contractor at no extra cost and also used at site.
- k. All incidental charges of any kind including cartage, storage, wastage and safe custody of materials etc. shall be borne by the contractor and no claim, whatsoever, shall be entertained on this account.

4. Testing of Material

The testing of material to be got done by the contractor as per the direction of the Engineer-in-charge/Authorized Engineer, which will be decided by Engineer-in-charge/Authorized Engineer, ESIC on the basis of the quantum of material and work specific requirement. The testing should be done from the government approved / NABH accredited laboratory as approved by the engineer-in-charge, ESIC.

LIST OF APPROVED MAKES FOR CIVIL & PLUMBING WORKS

	Material	Approved Brands
1.	Cement(Grey)	ACC, Ultratech, Ambuja, Jaypee., Rewa, Vikram, Shree Cement, Birla, JK, Binani and Cement Corporation of India.
2.	Reinforcement Steel	SAIL, Tata Steel, RINL, TISCO, Jindal Steel, JSW Steel, JSPL, or other primary producer of steel as approved by Ministry of Steel
3.	Floor Tiles(Mosaic)	ISI marked Shyam Tiles, Super Tiles, Hind Mosaic, Vyaara Tiles
4.	Floor Tiles (Chequered)	(ISI marked only) Shyam Tiles, Super Tiles, Hind Mosaic, vyaara Tiles, Nitco, Ultra, Unistone, Ceco, Modern
5.	C.P. Brass Bib Cock, Pillar Cock, Stop Cock, Ball valve with floats etc.	(ISI marked only)Jaguar, Marc, Hindware, Parryware, Parco, Johnson, Chilly, Prayag, Kohler, Grohe, Zolot, Sant, L&K, Leader or equivalent
6.	C.P.Brass Shower Rose 125mm dia	Jaguar, Marc, Hindware, Parryware, parco, Johnson, Chilly, Prayag, Kohler, Grohe or equivalent
7.	C.P. Brass Towel rail	Jaguar, Marc, Hindware, Parryware, parco, Johnson, Chilly, Prayag, Kohler, Grohe or equivalent
8.	C.P. Brass Flush Valve	Jaguar, Marc, Hindware, Parryware, parco, Johnson, Chilly, Prayag, Kohler, Grohe or equivalent
9.	C.P. Brass Waste Coupling	Jaguar, Marc, Hindware, Parryware, parco, Johnson, Chilly, Prayag, Kohler, Grohe or equivalent
10.	Urinal Stalls	(ISI Marked only) Hindware, Neycer, Parryware, Cera or equivalent
11.	Squatting Pan	(ISI Marked only) Hindware, Neycer, Parryware, Cera or equivalent
12.	P.V.C. Flush Tank	(ISI Marked only) Hindware, Neycer, Parryware, Cera or equivalent
13.	Wash Basin	Hindware, Jaquar, Kohler, Cera, Johnson, Kerovit or equivalent
14.	Water Closets	Hindware, Jaquar, Kohler, Neycer, Parryware, Cera, Johnson, Kerovit or equivalent
15.	Kitchen Sink (Fire Clay) & Drainboards	(ISI Marked only)(IS771)Sanfire, Padmani, R.K.C.P, prayag, jayna, Neelkanth, Parry
16.	Kitchen Sink (Stainless Steel)	(ISI Marked only) Nirali, Jayna, Kingston, Johnson, Lotus, Neelkanth, Cera, Grohe, Franke, Anupam, Cobra, Alex, AMC, Prayag, Cera or equivalent
17.	G.I. Pipes	(ISI Marked only) Asian, Tata, Jindal, Zenith, Surya, G.S.T., Kalinga, Prakash, Hissar
18.	PVC water Tanks	(ISI Marked only) Sintex, Electropasto, Plasto, Unitek, Polycon or Equivalent
19.	C.I. Pipes	(ISI Marked only)(IS:1536)Truform Engineers, Neeco, Kapilansh, RIF, NEECO, Electro Steel, IISCO

20.	D.I. Pipes	Electro Steel Castings Limited, Kapilansh, Kesso, KDUPL, Electro Spun
21.	FlushDoorShutters	Century, Archid, Swastik, Corbett, Kutty, Flushdoor, Duro Green
22.	AluminiumDoorFittings	(ISI Marked only) Classic, Prestige, Shalimar, Jindal, Hindalco, Nalcom, Bhorka, Indal, Alka, Banco, Hind Aluminium
23.	OxidizedM.S.doorFittings	(ISI Marked only) Ashish, Offord, Grag, Adarsh
24.	BlackEnameledM.S.Hinges	(ISI Marked only) Ashish, Grag, Adarsh, Plaza, Sumo, Golden, Garg Hardware or equivalent
25.	SteelDoor/WindowFrames	AGEW, Sen Harvik, Shiv Mular, SteelPlast
26.	Mortice Locks and Door Hardware	(ISI Marked only) Godrej, Harrison, Dorset, hafele, KICH, Acme, Yale, Dorma, Hettich, Everite, or equivalent
27.	SteelSectionalWindows/ Ventilators	M/s United engg. Works, Ram nagar M/s Metal window Corp. Rohtak M/s Sks steel industries pirgarhi Any other ISI Marked Factory
28.	ParticleBoard/Plywood/Plyboard	Green ply, Duro, Century, Archid, Bhutan tuff, Merino, Green Lam
29.	Hydraulic door closer, concealed door closer	Dorma, Hardwyn, Godrej, Yale, Everite, Doorking, Kelwin, Hafele, Geze, Doorset, Indobrass, Global, CLA or equivalent
30.	Stone Ware Pipes Grade-A	(ISI Marked only) Sonya, Supertech, Cherry
31.	Centrifugally Cast Soil Pipes	(ISI Marked only) NECO, BIC, Kapilansh, SKE, ACL, HIF or Equivalent
32.	C.I. Rain Waterpipes	(ISI Marked only) NECO, BIC, Kapilansh or Equivalent
33.	UPVC Rain Water Pipes	(ISI Marked only) (IS:13592) Astron Fittings (14375), Finolex Supreme, Prince, Astral
34.	Steel Tubes/ Pipes for structural purposes	(ISI Marked only) (IS:1161) TATA, Jindal, Surya, Apollo, GSF, Electro Steel or equivalent
35.	Manhole Covers	(ISI Marked only) (IS:1726) Neeco, Kapilansh, BIC, RIF, BCM, SKF, HIF or equivalent
36.	Water Proofing Compound	(ISI Marked only) Fosroc, Pidilite, Sapseal, STP, Velosit, Sunanda Speciality Coatings, Myk Schomburg, Supreme Bituchem India Pvt. Ltd., MC Bauchemie Rachtr Chemicals
37.	Ceramic glazed Floor Tiles	Kajaria, Somany, Cera, Nitco, Johnson, Restile, AGL, Orient-Bell, RAK, Shree Shyam Tiles or equivalent
38.	Ceramic glazed Wall Tiles	Kajaria, Somany, Cera, Nitco, Johnson, Restile, AGL, Orient-Bell, RAK, Shree Shyam Tiles or equivalent
39.	Putty	(ISI Marked only) (IS:419) JK, Birla, Shalimar, Asian, Berger, Aerocon Smart putty or equivalent
40.	Anodized Aluminium Section	(ISI Marked only) Jindal, Indalco., Hindalco, Nalcom, Bhorka or equivalent
41.	Whitecement	(ISI Marked only) Birla white, ACC, JK white or equivalent
42.	Factory made concrete blocks	Sabar, VedPMC, JK, Ecogreen
43.	Glass sheet (Clear/Float/Frosted)	(ISI Marked only) Modi Float, Saint-Gobain, Asahi India Glass (AIS), Atul, Pilkington, Gold Plus, Glaverbel (Belgium)
44.	PTMT Ball Cock	(ISI Marked only) Prayag, jaquar, kohler, grohe, Polytuf, Shakti Brand or Equivalent
45.	PTMT Accessories	(ISI Marked only) Prayag, jaquar, kohler, grohe, Polytuf, Shakti Brand or Equivalent

46.	G.I. Fittings	Jindal,Sail,Prakashsurya,Tata,APLApolo, Unik, Zoloto, KS, ICS, R, K.S., NVR, Jindal, R Brand, AMCO or equivalent
47.	Clamps for pipes	Chilly, Hilti or Equivalent
48.	Gate Valves	(ISI Marked) Zoloto, kirloskar, Leader, Sant, Kartar or equivalent
49.	CPVC Pipes & Fittings	Astral, Prince, SFMC, Ashirwad, Pragya,Jain,Supreme, Skipper, Kissan, Finolex or equivalent
50.	External Premium Acrylic Paint	Asian Paints (Apex Ultima), Berger (Weather Coat Long Life), Nerolac (Excel Total), ICI Dulux (Weather shield Max), Shalimar (Weather Shield Exel), Nippon (Silk Breathe Easy), Snowcem (Perma Guard)
51.	Acrylic Plaster	NITCO, Asian Paints, Berger Paints, Nerolac, ICI Dulux
52.	External Smooth Acrylic Paint	Asian Paints (Apex), Berger Paints (Weather Coat), Nerolac (Excel), ICI Dulux (Weather shield), Shalimar Paints (Weather Shield), Snowcem (Perma), or Nippon Paints (Weather Guard)
53.	Interlocking Paver Blocks	Super, Duracrete, NITCO,Vyyara, Paver India, KK
54.	Vitrified floor tiles	Kajaria, Somany, Cera, Nitco, Johnson, Restile, AGL, Orient-Bell, RAK, Marbonite, Euro, Shree Shyam Tiles or equivalent
55.	Oil Bound Washable Distemper/ Acrylic distemper	Asian, ICI LTD, Berger, Nerolac
56.	Cement Primer	Asian, ICI LTD, Berger, Nerolac, Snowcemindia, LTD
57.	Red Oxide Zinc Chromate primer	Asianpaint, Berger, Dulux, Nerolac
58.	Plastic/ Acrylic Emulsion Paint	Asian, ICI LTD, Berger, Nerolac
59.	Synthetic Enamel Paint	Asian paint, Berger, Dulux, Nerolac
60.	Pigment	Asian paint, Berger, Dulux, Nerolac
61.	Plaster of Paris	Birla, JK, Gyprock, Sakarani, Shriram, Nirman or equivalent
62.	Epoxy Paint	Asian Paint, Berger, Dulux, Nerolac, Snowcem India Ltd.
63.	Plastic Seat with lid	Parryware, Hindware, Seabird, Orient(Coral), Cera, Nycer, Johnson, Peddar
64.	PVC Shutters & Frame	Supreme, Sintex, Duroplast, Plastiwood, Rajshree, Finolex, Plastics, E-Planta, Polyline or equivalent
65.	PVC Rigid Pipes	Duke, Supreme, Prince,
66.	Ready Mix Concrete	L&T, RMC, ACC, Ultratech, Godrej, JK Lakshmi, Ambuja, Shree, RMC Readymix H(India), Enpocem, NDCON, Shaila Enterprises, RDC concrete
67.	APP Sheet for water proofing treatment	Dr. fixit, sika, STP, Ardex Endura, Sunanda Spe. Coating, Bengal Bitumen or equivalent
68.	Acrylic Polymer	Anuvi Chemical, Sunanda Spe. Coating Pvt.Ltd, SKG Constn. Chemical Pvt. Ltd
69.	Rusticide	Anuvi Chemical, Sunanda Spe. Coating Pvt. Ltd, SKG Constn. Chemical Pvt. Ltd
70.	Passivator	Anuvi Chemical, Sunanda Spe. Coating Pvt. Ltd, SKG Constn. Chemical Pvt. Ltd
71.	Water Proofing Compound	Fosrock, CICO, Pidillite, Hindcon, STP, Drfixit, Choksey, Sika, Supreme Bituchem India Pvt, MC Bauchemie Rachtr Chemicals

		fairmate, Ardex, Endura or equivalent
72.	Block boards & Plywood	Green ply, Duro, Century, Archid, Bhutan tuff
73.	Fire door (wooden, metal, glazed)	Godrej, Shakti, Navair
74.	WPC solid board	Alstone, Century Ply, Sristi, Kit Ply, Floresta, Jindal or equivalent
75.	Gypsum Plaster	Saint Gobain, Sakarani, JK
76.	CC pavers, Precast CC kerb Stone, CC, RCC Slab	Nitco, Bharat, Hindustan, Ultra, Kjs, Concrete, Duracrete, Kk manhole & covers, Terra Firma, Paver india, Dalal, Unistone, Cico, S&S, Shree Shyam tiles
77.	Grass Paver	Unistone, Ultra, Hindustan, KK, KJS
78.	PVC Cistern	Hindware, Cera, Parryware, Kohler, Nycer, Johnson, Peddar, Shakti Brand.
79.	Sanitary Accessories	Jaquar, Kimberly, Clarke, Dline, Euronics, Carl-F, Kohler, Snearling, Kerovit, Parko, Kingston, Park, Prayar, Hindware, Cera, Parryware, Nycer, Peddar
80.	C.P. Accessories	GEM, Parko, Kingston, Prayag, Sant, Leader
81.	UPVC Pipes & Fittings	Astral, Prince, Supreme, Finolex, AKG
82.	Gunmetal Valves	Leader, Sant, Zoloto, Kirloskar, Castle, Kartar, Kilburn
83.	Butterfly valves	Leader, Sant, Zoloto
84.	C.I. Sluice valves	Kirloskar, IVC, Burn
85.	RCC Pipes	Jain, Pragati, KK, Lakshmi, Sood & Sood, Jain & Co., Usha, Diwan Spun Pipe.
86.	Masking Tape	Suncontrol, Wonder, Polymer
87.	Calcium silicate	Aerolite, Hilux, Armstrong, Everest, HIL (Hyderabad Industries Ltd.), Visaka Industries
88.	Stoneware pipes and Gully traps	Perfect, Burn, Anand Parry, Hind
89.	Floor Trap	Jaina, Chilly, Nirali, Prayag
90.	PVC Fittings	Supreme, Finolex, Prince, Astral, Kalinga, AKG, Ashirvad, SFMC, Dutron, Plasto
91.	Vinyl Flooring/ Vinyl Wall Covering	Armstrong, Tarkett, Gerflor, Polyflor, Marvel, Decor, Flowline, Royal House
92.	Mirror	Saint Gobain, Modiguard, AIS, ATUL, Golden Pilkington
93.	S.S. railing	Jindal, SAIL, Dorma, Fabrinnox, Ozone
94.	Rolling Shutter	Godrej, Rama, A-One, Avians, Asian, or equivalent
95.	Water proofing cement paint	Asian, ICI Ltd, Berger, Nerolac, Snowcem
96.	Textured Exterior Paint	Asian, Berger, Nerolac, ICI
97.	Wood finish (Melamine & PU Polish)	Asian, ICI Ltd, Berger, Nerolac, Pidilite, Wembley, Shalimar
98.	Road Marking Paint	Nerolac Asian, Shalimar, Berger, Evershine
99.	Wood Primer	Asian, ICI Ltd, Berger, Nerolac, Shalimar
100.	Laminate	Archid, Green Ply, Century, Virgo, Durian, Green Lam
101.	Veneer Ply, Natural Wood veneers	Merino, Green Lam, Duro, Century, Archid
102.	Gypsum Board	India Gypsum, Lafarge, Saint Gobain, Boral, AMF, Armstrong, Gypsum India
103.	Friction stays hinges, Ball bearing Hinge & Spring Hinges	EARL- Bihari, EBCO, Godrej, Dorma, Hafele, Geze, Kich, Yale, Hettich
104.	Nuts, Bolts, Screws	GKW, Kundan, Priya, Atul, Puja, Unbrako, TVS, Hitech or equivalent, conforming to IS:1363 / IS:1364 / IS:1367
105.	Dash, Anchoring Fasteners & Cramp	Hilti, Fischer (Eischer), Axel, Canon, Bosch, Unbrako, GKW, Sika Anchor Fix
106.	MDF Board	Nijwood, Durature Bajaj, Green Panel (Greenply), Century Ply, Action Tesa, Duratuff (Durature), Bajaj, Nijwood, Bhutan Board
107.	Frame system for internal	Saint-Gobain (Gyproc), Boral, AMS, Lafarge

	partition	
108.	Stainless Steel Hardware fittings (Heavy Duty)	Dorma, Ozone, Godrej, Geze, Hafele, Blum, Dorset, Pergo, Kich
109.	Aluminium Composite Panel	Alstrong, Alucobond, Alpolic, Reynobond, Alstone, Alubecor, Across Bond, Virgo
110.	Stainless steel section	Jindal, Kich, Essar, Nstyle D-line, Fabrinox, Sales steel
111.	Toughened Glass	Saint-Gobain, Asahi India Glass, Pilkington, Gold Plus
112.	False Ceiling- Gypsum/ False Ceiling- GRG	Saint Gobain, Armstrong, Lafarge India Gypsum, Gyroc/ Boral, Diamond Ceilings, Diamond, Gyptech
113.	False Ceiling- Metal with Supporting Grid	Saint Gobain, Armstrong, Dexune, USG, mEcophone, Decosonic, Daiken, Uni Mat, Diamond Ceilings, Gyptech
114.	Fire Rated Glass	Saint Gobain, Pilkington, Schott, Asahi India Glass (AIS), Pyroguard (UK), Fuso Glass India Pvt. Ltd. (FireGuard series)
115.	UPVC Window/ Doors	Fenesta, Rehau, Aluplast, Prizma, Duroplast, Wintech Veka India, Rajshri, Prominace
116.	Stainless steel Screws (Unless otherwise specified)	Kundan, Arrow, Nettlefold, GKW, Puja, Atul
117.	GI sheet	Sail, Tata, Jindal, Essar Steel, Uttam Galva Steels Ltd.
118.	Fibre Glass Sheet	Simcryn, Simba, Fiberlite, Wonderlite, Polyfab, Finolex
119.	Fire Check Door	Romat, Kutty Door, Navier, Shakti Met-Dor, Promat, Godrej
120.	Panic Exit Device	Hettich, Dorset, Yale, Spider, Hardwyn, Dorma, Godrej, Hafele, Geze, Ozone
121.	Wooden Laminate/ Engineer Flooring	Armstrong, Pergo, Florence, Greenlam, Century, Action Tesa, Duro, Greenply
122.	SS Hinged Grating	GMGR, Neer, Chilly, Jindal Stainless
123.	SFRC Manhole Cover	KK, Jain, Pragati, BIC, Kapilansh, ShatuUdhyog, Neco
124.	HDPE pipe & Fittings	Jain, Oriplast, Kisan, Finolex, Supreme, Prince, Astral
125.	Poly Carbonate Sheet	M/s Nu-Plast Pipes & Profiles, MG Polyplast Industries Pvt. Ltd., Genesis Roofing flex tuff Industries.
126.	Clamp system for Drystone Cladding	Hilti, Fisher, Bosch, Rawlplug
127.	FRP Chajja& Doors, FRP Shutters	Fiberways, Ashoo Model Arts, Navier, Sukari, Promat, Kutty
128.	Intumescent Coatings	Sunanda Speciality Coatings, Akzo Nobel, FSI Ltd.
129.	Adhesives	Fevicol, Anchor, Dunlop, 3m, Pidilite, Sika, Thermoshield, Vamorganic, Myk Schomburg velosit, X Caliber, Chowgule
130.	Integral Crystalline Admixture for concrete waterproofing treatment	Velosit, Penetron, Kryton, Sunanda Speciality Coatings, X caliber Construction Systems Inc, MC Bauchemie, Chowgule
131.	Crystalline Powder Waterproofing Coating	Velosit, Penetron, Kryton, Sunanda Speciality Coatings, X caliber Construction Systems Inc, Bengal Bitumen, Chowgule
132.	Polysulphide/ Silicone sealant	GE, Dow Corning, Pidilite, Wacker, Sunanda Speciality Coatings, Construction Products India Ltd., Supreme Bituchem India Pvt. Ltd., Bengal Bitumen, STP Ltd.
133.	Structural steel Sections	Sail, Tisco, RINL, JSW, Jindal Steel & Power, Jindal, Tata
134.	Fly ash brick	Power brick, YBW Project Ashech
135.	Admixtures	Forsroc, Sika, Velosit, Cico, BASF, STP LTD, Sunanda Speciality Coatings, MYK Schomburg, Headway Chemicals India Pvt.Ltd., SupremeBituchem India Pvt. Ltd, MC BauchemieChowgule
136.	Grouting Compound	Bal Endura, Pidilite, Laticrete, Sunanda Speciality Coating, Fosroc, Cico, STP Ltd. Velosit, Webber, Muk Schomburg, Supreme Bituchem India Pvt. Ltd
137.	AAC Block	Shreee, Instablock, Biltech, Magicrete, Siprox, Aerocon, JKLakshmi,
138.	Solvent Based Silicone Repellent Coating	Pidilite, GE, MC Bauchemie, Wacker, Velosit, Sunanda Speciality Coating, Chowgule, Rachtr Chemicals

139.	Sunken Portion/ Terrace Waterproofing Cementitious Treatment	Velosit, Forsoc, Sika, MC Baucheme, Sunanda Speciality Coatings, X Calibur construction system INC, Supreme Bituchem India pvt ltd, MYK Schomburg, Bengal, Bitumen, Chowgule
140.	Curing compound	Forsoc, Velosit, , Sunanda SpecialityCoatings,Sika, Bask, MC Baucheme, Supreme Bituchem India Pvt Ltd, MYK Schomburg, Rachtr Chemicals
141.	Anticarbonation Coatings	Sunanda Speciality Coatings, Velosit, Basf, Fosroc, ICI Ltd, Headway chemicals India Pvt Ltd, Supreme Bituchem, India pvt ltd, MC Baucheme,Chowgule, ICI Ltd, Nerolac,Berger
142.	Epoxy Flooring	Sunanda Speciality Coatings, Sika, Basf, Rachtr Chemicals, Chowgule
143.	Non metallic surface hardner	Forsoc, Sika, Velosit, MC Baucheme, Sunanda Speciality Coatings, X Calibur Construction System INC, Supreme Bituchem India Pvt Ltd, MYK Schomburg, Rachtr Chemicals
144.	Corrosion Inhibiting Admixture (ASTM G1, ASTM G3, ASTM G 109)	Sunanda Speciality Coatings, Basf, Fosroc, Sika, MYK Schomburg, Velosit
145.	Bio culture	Ganpati Chemicals, Acoru, SaptarishiSewat Pvt Ltd, Greencraft lab, Evolon Biotech, Amulgum biotech, Enbio Green solution pvt ltd
146.	Sodium hypochlorite Solution	DCW Ltd., Triveni Solar, Spring Fields Industries (RXSOL brand), East India Chemicals, Kailash Chemicals, Sunford Healthcare Pvt., Pat impex
147.	Poly electrolyte	Swastik Chemicals, GournishTraders, Krishna Organic & Chemicals
148.	Brine Salt	Indo Brine Industries Ltd.,Kutch Brine Chem Industries, Neelkanth Group, Pragati Salt (India) Private Limited
149.	Chlorine Tablet (Solid Chlorine)	Acuro, Adhish Industries, Bactafree / Precise Healthcare Pvt. Ltd., Vizag Chemicals, Ennore India Chemicals (RXSOL)
150.	EPDM Gasket	Hanu, Anand, Praven, Zero, Roop, Lescuyer, Bengal bitumen

LIST OF APPROVED MAKES FOR ELECTRICAL WORKS

S.No.	Item	Approved Makes
1	Copper Conductor 660/1100 Volt Grade FR/FRLS/PVC wires ISI Telephone LAN Cable	Polycab, RR Cable, Finolex, Havells
2	Coaxial Cable	Conscope, Delton, Finolex
3	MS Conduit	BEC, Steel Craft, Mahaveer Steel
4	MCB/MCB-DB/Industrial Sockets & accessories	L&T (Hager), MDS (Legrand/Lexic), MG-Multi-9, ABB, Siemens
5	RCCB	L&T (Hager), MDS (Legrand)-Lexic, MG-Multi-9, Siemens, ABB
6	Modular Switches, Sockets, Regulators, Plug tops, Boxes & accessories	Schneider-Opal, MK-Wraparound, MDS (Legrand)-Mossaic, Anchor (Panasonic), Polycab
7	Ceiling Fan	Orient, Usha, Crompton, Bajaj, Havells
8	Exhaust Fans	Crompton, Usha, Havells, Orient
9	Exhaust Fan Decorative type	Crompton, Bajaj, Usha, Havells, Orient
10	Light Fixtures	Philips, Crompton, Bajaj, Wipro
11	Decorative Light Fixture	Nova, Ankur, Artlite, Philips, Havells
12	PVC Conduit & accessories ISI marked	Polypack, AKG, BEC, Precision, Polycab
13	M.S. & G.I. Pipe	Jindal (Hissar), Tata, Prakash Surya, APL, Swastik
14	Lamps	Osram, Philips, Crompton, Bajaj, Havells, Wipro
15	Connector/Terminals	WAGO, Elemex, Phoenix, Dowells, Jainson
16	MS/FI Conduit accessories (superior type)	Sharma Sales Corpn., Super Sales Corpn., AKG, Precision
17	M.S. Raceways & accessories	Steways, Bharti, M.K., Super Sales, AKG, BEC
18	Telephone Tag Blocks	Krone, Puoyet, D-Link, Molex
19	Metal Clad Socket Outlets with Boxes	L&T (Hager), Siemens, MDS (Legrand), ABB, HPL
20	Under floor junction boxes & cable management system	EGA (MK), Legrand, Hager, DLP Systems
21	Distribution Boards	Legrand, L&T (Hager), Siemens, ABB
22	Waterproof socket outlets, panel equipment, sub-station equipment, cables, O/M line materials	Clipsal Gerard, L&T, Legrand, Siemens, ABB
23	APFC Relay	Beluk, L&T, ABB, Siemens
24	Capacitors	L&T Meher, Siemens (EPCOS), Schneider, C&S, Neptune-Ducati
25	Instruments – Analogue	L&T, Rishab, AE, Meco Instruments
26	Digital Energy Meter	Enercon, AE, L&T
27	LT Switch board, PLC based DG logic panel, capacitor control panels, floor switch board	Tricolite electrical industries, Control & Switchgear, L&T, Siemens, Advance Panel & Switchgear, ADLEC
28	Programmable Logic Controller (PLC)	Allen Bradley, Siemens

29	11000 & 1100 V XLPE insulated aluminium conductor armoured cables	NICCO, RPG, Universal, CCI, Fort-Gloster, Diamond, Havells
30	33000 V XLPE insulated cables	NICCO, RPG, Universal
31	Main LT Panels / Bus Duct / DG Panel / APFC Panel / PLC Panel / RTCC / MCCB Panel / UMDB / DG Auxiliary Panel	Tricolite, L&T, Schneider, GE Power, ABB, Siemens, Crompton, Advance Panels & Switchgears, ADLEC
32	Air Circuit Breaker	L&T (U-Power), Siemens (Sentron), Schneider (Mastrpact-NW), Crompton, ABB
33	Moulded Case Circuit Breakers (MCCB)	L&T (D-Sign), Siemens (Sentron), Schneider (Compact-NS), ABB, Crompton
34	Fuse Disconnect Switch / Switch Fuse Units	L&T, Siemens, GE Power, Schneider
35	HRC Fuses	L&T, Siemens, GE Power, Schneider
36	Ammeter, Voltmeter	AE, MECO, Universal, Rishab, IMP
37	Selector Switch, Push Button Switch, Emergency Switch	Kay CEE, L&T, GE Power Control, Siemens, BCH
38	LED Indication Lamps	AE, Easun, Kaycee, Siemens, Vaishnov, L&T,
39	CT's & PT's	AE, KAPPA, Universal, Kaycee IMP, L&T, MECO, Gilbert & Maxwell
40	Starters	Siemens, L&T, Cutler Hammer, GE Power, ABB, Schneider
41	Single Phasing Preventor / Overload Protection Unit	L&T, GE Power, Siemens
42	Relays	L&T, Areva, ABB, Siemens
43	Contactors	L&T, GE Power, BCH, Siemens, ABB, Schneider
44	Cable Glands	Commnet, HMI
45	Cable Tray	PICCO, Venes, Rico
46	Thimbles / Lugs	Commnet, Dowells, Asiatic
47	Conductor	Racman, Polycab, Rashtria, Har Elec., Laxmi
48	Transformers (Oil Type)	BHEL, Crompton, Areva, Bharat Bijli, ABB
49	Transformers (Dry Type)	BHEL, Crompton, Volt AMP
50	Transformers Small TRF up to 250 KVA	BHEL, Crompton, Areva, Bharat Bijli, Kanohar Vijay Makes can be used.
51	H.T. Panel	Siemens, ABB, Areva, Crompton
52	Octagonal / Hexagonal GI Poles	Bajaj, B.P. Projects, Paruthi, Surya, Philips
53	Decorative Poles	Metal, Coats, Glomac
54	HT Jointing Kits	Raychem, CCI, Denson
55	LT Jointing Kits	M-Seal, Mahindra & Mahindra, Raychem, CCI, Denson
56	Pin / Disc Insulators	BHEL, Jayshree, WSI, Ovalum, Elpro
57	Street Light Luminaries	Bajaj, Philips, Crompton
58	TPMO / Fuse Set	Relco, Rashtria

59	PVC Pipe	Finolex, Supreme
60	Fire Extinguishers	Zenith, Minimax, Lifeguard, Newage
61	KWH, PF, Frequency Meter	AE, L&T, Secure, Conserve
62	Digital Meter, Multifunction Meter	Conserve, Secure, AE, L&T
63	LED Light Fixture	Philips, Crompton, Bajaj
64	Complete High Mast	Philips, Crompton, Bajaj
65	Decorative Column Lights	Philips, Crompton, Bajaj, Vak Lighting, Orient, UP PWD Approved Make & Equivalent

INTEGRITY PACT

(On Bidder's Letter Head)

To,

The Dean,
ESIC Medical College & Hospital,
NH-3, NIT, Faridabad, Haryana

Subject: Annual Repair, Maintenance & Operation (ARM&O) of ESIC Medical College & Hospital, Faridabad including Attached Staff Quarters and Hostels.

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 Pact

(To be executed on plain paper by the bidder at the time of submission of bid (to be uploaded along with technical bid) and on Non- judicial Stamp paper of appropriate value by successful Bidder (Contractor) prior to signing of contract agreement)

between

ESIC Medical college & Hospital, NIT-3, Faridabad, Haryana, A constituent institution of Employees State Insurance Corporation (ESIC) which is under the administrative control of the Ministry of Labour & Employment, Govt. of India, hereinafter referred to as "The Principal" which expression shall mean and include, unless the context otherwise requires, his successors, executors, administrators, agents and permitted assigns of the first part.

And

(M/s) a company/ firm/individual (status of the company) and having its registered office at represented by Shri..... hereinafter referred to as "The Bidder/ Contractor" which expression shall mean and include, unless the context otherwise requires, his successors, executors, administrators, agents and permitted assigns of the second part.

Preamble

The principal intends to award, under laid-down organizational procedures, contract for **Annual Repair, Maintenance & Operation (ARM&O) of ESIC Medical College & Hospital, Faridabad including Attached Staff Quarters and Hostels**. The principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources, and of fairness/ transparency in its relations with its Bidder(s) and/ or Contractor(s).

In order to achieve these goals, the principal will appoint Independent External Monitors (IEMs) who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 - Commitments of THE PRINCIPAL

- (1) The principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - a) No employee of the principal, personally or through family members, will in connection with the tender for, or the execution of a 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 will, during the tender process treat all Bidder(s) with equity and reason. The principal 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 will exclude from the process all known prejudiced persons.

- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder(s) / Contractor(s)

- (1) The Bidder(s)/Contractor(s) commit themselves to take all measures necessary to prevent corruption. The Bidder(s)/Contractor(s) commit themselves to observe the following principles during 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 Principal's employees involved in the tender process or the execution of a contract or to any third person any material or other benefit which they are 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 Bidders 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 introduce cartelization in the bidding process.
 - c. The Bidder(s)/ Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the principal 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 name and address of the Agents/representatives in India, if any. Similarly, the Bidder(s)/ Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further, all the payments made to the Indian agent/ representative have to be in Indian rupee only.
 - e. The Bidder(s)/ Contractor(s) will, when presenting their bid, disclose any and all payments made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
 - f. Bidder(s)/ Contractor(s) who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision in the matter.
- (2) The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3- Disqualification from tender process and exclusion from future contracts

- (1) If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 of the Integrity Pact, or in any other form such as to put their reliability or credibility in question, the principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process or take action as per the terms & conditions of the related Tender Enquiry.

Section 4 – Compensation for Damages.

- (1) If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3 of the Integrity Pact, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security as per the terms & conditions of the related Tender Enquiry.
- (2) If the Principal has terminated the contract according to Section 3 of the Integrity Pact, or if the principal is entitled to terminate the contract according to Section 3, of the Integrity Pact, the Principal shall be entitled to demand and recover the damages from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee as per the terms & conditions of the Tender Enquiry.

Section 5- Previous Transgression

- (1) The Bidder declares that no previous transgressions occurred in the last three years with any other Company in any Country conforming to the anti-corruption approach or with ESI Corporation/any Government institution / Public Sector Enterprise/ Autonomous institution 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 as per the terms & conditions of the related Tender Enquiry.

Section 6 - Equal treatment to all Bidder(s) / Contractor(s)/ Subcontractor(s)

- (1) In case of Sub-contracting, the Principal Contractor shall take the responsibility of the adoption of Integrity Pact by the Sub-contractor.
- (2) The principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.
- (3) The principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7– Criminal charges against violating Bidder(s) / Contractor(s)/ Subcontractor(s)

- (1) If the Principal obtains knowledge of conduct of a Bidder/ Contractor / Subcontractor, or of an employee or a representative or an associate of a Bidder/ Contractor / Subcontractor, which constitutes corruption, or if the principal has substantive suspicion in this regard, the principal will inform the same to Chief Vigilance Officer.

Section 8 - Independent External Monitor

- (1) The principal reserve the right to appoint competent and credible Independent External Monitor for this Pact after approval by Central Vigilance Commission or any other authority authorized as per prevalent Government of India instructions. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- (2) The Monitor is not subject to instructions by the representatives of the parties and performs his/her functions neutrally and independently. The Monitor would have access to all Contract documents, whenever required. It will be obligatory for him/ her to treat the information and documents of the Bidders/ Contractors as confidential. They report to the Competent Authority, ESIC Medical College & Hospital, NIT-3, Faridabad, Haryana. .
- (3) The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all tender related documentation of the principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his/her request and demonstration of a valid interest, unrestricted and unconditional access to their tender related documentation. The same is applicable to Subcontractors.

- (4) The Monitor is under Contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s)/ Sub-contractor(s) with confidentiality. The Monitor has also signed declarations on “Non-Disclosure of Confidential Information” and of “Absence of Conflict of Interest”. In case of any conflict of interest arising at a later date, the IEM shall inform Competent Authority, ESIC Medical College & Hospital, NIT-3, Faridabad, Haryana and recuse himself/ herself from that case.
- (5) The principal will provide to the Monitor sufficient information about all meetings among the parties related to the tender proceedings provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor to option to participate in such meetings.
- (6) As soon as the Monitor notices, or is of the prima facie opinion, a violation of this agreement, They shall inform the Competent Authority, ESIC Medical College & Hospital, NIT-3, Faridabad, Haryana and request Competent Authority, ESIC Medical College & Hospital, NIT-3, Faridabad, Haryana to discontinue or take corrective action, or to take other relevant action. The Monitor can in this regard submit nonbinding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- (7) The Monitor will submit a written report to the Competent Authority, ESIC Medical College & Hospital, NIT-3, Faridabad, Haryana within 4 to 6 weeks from the date of reference or intimation to him by the principal and, should the occasion arise, submit proposals for correcting problematic situations.
- (8) If the Monitor has reported to the Competent Authority, ESIC Medical College & Hospital, NIT-3, Faridabad, Haryana, a substantiated suspicion of an offence under relevant IPC/PC Act, and the Competent Authority, ESIC Medical College & Hospital, NIT-3, Faridabad, Haryana has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
- (9) The word “Monitor” would include both singular and plural.

Section 9 - Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 03 months after the last/final payment under the contract. Any Violation of the same would entail disqualification of the bidders and exclusion from future business dealings. In any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by Competent Authority, ESIC Medical College & Hospital, NIT-3, Faridabad, Haryana.

Section 10 - Other Provisions

- (1) This agreement is subject to Indian Law. The Place of performance and jurisdiction is Faridabad, Haryana. However, the Principal also reserves the right to decide any other place where any other sub office of the principal is situated.
- (2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- (3) All the pages of the agreement are to be signed by the Bidder. If the Bidder/ Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members. The bidder shall not change the contents/ format of the Integrity Pact as prescribed by the Principal in the Tender Enquiry.

- (4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- (5) Issues like Warranty/ Guarantee etc. shall be outside the purview of IEMs.
- (6) The sanctions for violations of the Integrity Pact and the process to deal with the matter. shall be governed as per procedure prescribed by ESIC.

(For & On behalf of the principal (ESIC) as

First Party)

Office Seal

(For & On behalf of Bidder/Contractor as

Second Party)

Office Seal

(The authorized signatory must sign on the above designated place in addition to attesting the document on each page)

Place: ----- Date: -----

Witness 1: -----(Name & Address): -----

Witness 2: -----(Name & Address): -----

Annual Repair, Maintenance & Operation (ARM&O) of ESIC Medical College & Hospital, Faridabad including Attached Staff Quarters and Hostels.

Percentage rate Tender/Percentage rate Tender & Contract for Works

(A) Tender for the work of: -

(i) **Annual Repair, Maintenance & Operation (ARM&O) of ESIC Medical College & Hospital, Faridabad including Attached Staff Quarters and Hostels.**

(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 office of ESIC Medical College & Hospital, NH-3, NIT, Faridabad, Haryana.

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 135 days from the date of opening of technical bid and not to make any modification in its terms and conditions.

A sum of **Rs.** _____ 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 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 MC&H FARIDABAD

Signature.....

Designation.....

Dated.....

LETTER OF TRANSMITTAL

(On Bidder's Letter Head)

To

The Dean,
ESIC Medical College & Hospital,
NH-3, NIT, Faridabad, Haryana

Subject: Annual Repair, Maintenance & Operation (ARM&O) of ESIC Medical College & Hospital, Faridabad including Attached Staff Quarters and Hostels.

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 "C" 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 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 **One hundred thirty-five(135)days** from the due date of opening of financial bid and not to make any modifications in its term & conditions.

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

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

I / We undertake and confirm that eligible similar work(s) has / have not been got executed through another contractor on back-to-back basis. Further that, if such a violation comes to the notice of Department, then I / We shall be debarred for tendering in ESIC in future forever. Also, if such a violation comes to the notice of ESIC before date of start of work, the Dean, ESIC Medical College & Hospital, Faridabad 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 (withSeal)
Postal Address

PERFORMA OF PERFORMANCE GUARANTEE

(BANK GUARANTEE BOND)

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

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

5. We (Indicate the name of Bank) further agree with the ESIC that the ESIC, i.e. First Party shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Corporation against the said contractor(s) and to forebear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of the Corporation or any indulgence by the Corporation to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s) i.e. Second Party.
7. We (Indicate the name of bank) lastly undertake not to revoke this guarantee except with the previous consent of the Corporation in writing.
8. This guarantee shall be valid up to unless extended on demand by Corporation. Now withstanding anything mentioned above, our liability against this Guarantee is restricted to Rs. (Rupees) only and unless a claim in writing is lodged with us within six months of the date of expiry of this guarantee, all our liabilities under this guarantee, shall stand discharged.

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

Technical Bid Forms

S.No.	Form	Particular
1.	A	TECHNICAL BID PERFORMA (Form A)
2.	B	PERFORMANCE REPORT OF INDIVIDUAL WORK REFERRED TO IN FORM “B”
3.	C	UNDERTAKING (Form C)

TECHNICAL BID PERFORMA**1. GENERAL INFORMATION**

NAME OF THE CONTRACTOR/ FIRM ALONG WITH ADDRESS AND TELEPHONE / MOBILE NO. AND E-MAIL ADDRESS	
NAME OF OWNER / ALL PARTNERS / ALL DIRECTORS	
TYPE OF FORMATION (Proprietorship / Partnership / Pvt. Ltd / Ltd.)	
BANK ACCOUNT NUMBER WITH BANK NAME, IFSC Code AND ADDRESS	

2. STATUTORY AND OTHER REQUIREMENTS:

Particulars	<u>Registration Number</u>	<u>Copy Enclosed (Yes / No) & Reference Page No.</u>
Certificate of Incorporation / Registration of Firm		
Registration details for reputed registered contractors of CPWD/ State PWD/ MES/ Railways/ BSNL or any government body dealing with Buildings and Roads with appropriate class.		
Valid copy of ESI Registration		
Valid copy of EPF Registration		
GST Registration		
PAN No. under Income Tax		
valid electrical contract license from Central Government or any State/UT Government.		

3. DETAILS OF COMPLETED WORK AS PER SL. NO. 4 OF ELIGIBILITY CRITERIA:

Name of Government Body	Details of the Completed Works of Similar Nature	Cost of the Completed Works	Copy of Certificate issued by Govt. Body Enclosed (Yes / No)

4. DETAILS OF BALANCE SHEET / P&L ACCOUNT DURING LAST THREE FINANCIAL YEAR:

Financial Year	Copy Enclosed (Yes / No)	Income (Rs.)	Expenditure (Rs.)	Net Profit / Loss (Rs.)
2022-23				
2023-24				
2024-25				

5. COPIES OF INCOME TAX RETURN DURING LAST THREE FINANCIAL YEARS:

Financial Year	Income Tax Return Enclosed (Yes / No)
2022-23	
2023-24	
2024-25	

6. COPIES OF ANNUAL TURNOVER:

Financial Year	Annual Turnover Return Enclosed (Yes / No)
2022-23	
2023-24	
2024-25	

Note: The bid submitted shall become invalid or financial bid shall not be opened if:-

- (i) The bidders is found ineligible.
- (ii) The bidder does not deposit original EMD.
- (iii) The bidder does not upload all the documents (including GST Registration) as stipulated in the bid document.

Sign and Seal of the Contractor: _____

Date: _____

Place: _____

EXPERIENCE OF COMPANY

Experience of similar nature of completed work 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	

Note: This is the format of experience certificate, the contractor has to enclose actual / original certificate issued from the client.

Signature of Contractor:

Date:

Place:

Name of Work - **Annual Repair, Maintenance & Operation (ARM&O) of ESIC Medical College & Hospital, Faridabad including Attached Staff Quarters and Hostels.**

UNDERTAKING

1. I / we, the undersigned certify that I have gone through the terms and conditions mentioned in the tender document and undertake to comply with them.
2. The rates quoted by me are valid and binding upon me for the entire / extended period of contract.
3. The earnest money of Rs. _____ has been deposited by me vide demand Draft / Banker Cheque No. _____ dated: _____ drawn on Bank _____ Branch _____.
4. I / we hereby undertake to provide the service as per directions given in the tender documents / order within stipulated period.
5. I / We give the rights to Dean, ESIC Medical College & Hospital, Faridabad to forfeit the earnest money deposited by me / us if any delay occurs on my / agent's part of failed to provide the service within the scheduled time or service of desired quality.
6. This is to declare and certify that the neither myself nor my firm has ever been blacklisted by any Govt. / Semi Govt. / PSU / Private Institution etc.
7. I / We hereby certify that my firm follow all the statutory compliances i.e. Labour laws, Minimum Wage act, Tax rules etc. to perform the works.
8. I / We hereby certify that my firm will get all the required license / certification to perform the work.

Sign & Seal of Contractor: _____

Full Name: _____

Designation: _____

Date: _____

Place: _____

FINANCIAL BID FORM (Sample)

NAME OF WORK: Annual Repair, Maintenance & Operation (ARM&O) of ESIC Medical College & Hospital, Faridabad including Attached Staff Quarters and Hostels.

Estimated amount: ₹16,98,93,687.00/- (Rupees Sixteen Crore Ninety Eight Lakh Ninety Three Thousand Six Hundred Eighty Seven Only).

NAME OF CONTRACTOR:

S.No.	Description	Estimated Amount (in Rs.)	Percentage Quote, (in figures & words)	Quoted Amount (in figures & words)
1.	FB-1(Manpower) to be ensured as per Central Govt. Norms		%	
2.	FB-2 (Work Schedule)		%	
	Total (Rs.)		-	

Seal of the Organization

Signature of the Authorized Signatory ****

Note:

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

- This is only sample Performa (it may vary). The rates to be quoted in percentage with two decimal places greater than zero both in figures and words distinctly. The same to be submitted in online Bid Performa only.

In case of discrepancy charges quoted in words shall be final.

<u>ABSTRACT OF COST</u>		
Sl. No.	Description	Amount (in Rs.)
1	Supply of Manpower for ARM	4,45,95,783.00
2	Civil (DSR-2023 Supply)	3,35,04,579.00
3	Civil (NDSR Supply)	87,88,120.00
4	Civil (DSR Providing & Fixing)	4,10,70,242.00
5	Civil (NDSR Providing & Fixing)	18,87,750.00
6	Horticulture DSR (Supply)	11,45,400.60
7	Horticulture Material	1,42,284.00
8	Electrical (DSR-2022 Supply of Material)	1,13,05,519.00
9	Electrical (NDSR-2022 Supply of Material)	63,07,249.00
10	Electrical (DSR Providing & Fixing)	48,66,623.00
11	Electrical (NDSR Providing & Fixing)	82,56,196.00
12	Comprehensive Maintenance Contract for Various Services	80,23,941.00
	Total (excluding Contingency)	16,98,93,687.00

FB-1(Manpower)

S. No.	Description of Manpower	Category	Qualification	Nos. of Manpower	Wages per Month Per Worker	Monthly Cost	Yearly Cost
A	B	C	D	E	F	G= ExF	H=12XG
1	Supervisor (Civil)	Highly skilled	Diploma in Civil with 10 years' experience	1.00	39,901.08	39,901.08	478,813.00
2	Supervisor (Electrical)	Highly skilled	Diploma in Electrical with 10 years' experience	1.00	39,901.08	39,901.08	478,813.00
3	Substation Attendant cum DG Operator	Skilled	ITI certificate with 3 years' experience in handling substation equipment's & DG sets	4.00	36,907.76	147,631.03	1,771,572.40
4	Plumber	Skilled	ITI (Plumbing) certificate with 3 years' experience	10.00	36,907.76	369,077.58	4,428,931.01
5	Carpenter	Skilled	ITI (Carpentry) certificate/ Trade certificate with 3 years' experience	4.00	36,907.76	147,631.03	1,771,572.40
6	Mason	Skilled	ITI (Masonry) certificate/ Trade certificate with 3 years' experience	2.00	36,907.76	73,815.52	885,786.20
7	Welder	Skilled	ITI Welding / certified welder	1.00	36,907.76	36,907.76	442,893.10
8	Painter	Skilled	10th + 3 years' experience in painting & finishing	1.00	36,907.76	36,907.76	442,893.10
9	Electrician	Skilled	ITI (Electrical) certificate with 3 years' experience	14.00	36,907.76	516,708.62	6,200,503.41
10	PUMP / R.O / WTP OPERATOR	Skilled	ITI Mechanical/ Electrical with 3 years' experience	5.00	36,907.76	184,538.79	2,214,465.51
11	Lift Operator cum Technician	Skilled	Trade certificate with 3 years' experience in	15.00	36,907.76	553,616.38	6,643,396.52

			operation & Maintenance of lifts				
12	CCTV Operator	Skilled	CCTV / surveillance system experience with 3 years	3.00	36,907.76	110,723.28	1,328,679.30
13	STP/ETP Plant Operator	Skilled	ITI Mechanical+ wastewater treatment experience	3.00	36,907.76	110,723.28	1,328,679.30
14	Sewer Man cum STP Assistant	Unskilled	10th /12th pass	9.00	33,705.80	303,352.21	3,640,226.55
15	Mali	Unskilled	10th /12th pass	8.00	33,705.80	269,646.41	3,235,756.94
16	Beldar (Carpenter & Mason)	Unskilled	10th /12th pass	6.00	33,705.80	202,234.81	2,426,817.70
17	Electrician Helper	Unskilled	10th /12th pass	7.00	33,705.80	235,940.61	2,831,287.32
18	Plumbing Helper	Unskilled	10th /12th pass	6.00	33,705.80	202,234.81	2,426,817.70
19	Welder Helper	Unskilled	10th /12th pass	1.00	33,705.80	33,705.80	404,469.62
20	HVAC Helper	Unskilled	10th /12th pass	3.00	33,705.80	101,117.40	1,213,408.85
	Total			104.00		3,716,315.24	44,595,783.00

• **Increase or Decrease of Manpower (as per CPWD yardsticks/ ESIC Manpower standardization)**

ESIC Medical College & Hospital, Faridabad shall have the absolute right to increase or decrease the number of manpower deployed under this contract in the beginning of the contract or at any stage during the contract period, as per its actual requirement at any stage of the contract.

In case of increase in manpower, the contractor shall deploy the additional manpower as per the requirement with prior approval of the competent authority, and payment shall be made accordingly as per the agreed contractual category rates for the additional manpower deployed.

In case of decrease in manpower, the contractor shall have no claim for compensation, damages, or loss on account of such reduction. Payment shall be made strictly on the basis of the actual number of manpower deployed and services rendered during the relevant period.

FB-2 (Work Schedule)

<u>CIVIL WORK (Supply of Material)</u>						
S. No	Reference DSR 2023	Description of Items	Unit	Qty	Unit Rate (in Rs)	Amount (in Rs)
1	0039	Tractor with trolley	Day	30.00	1,350.00	40,500.00
2	0052	Front end loader 1 cum bucket capacity (incl POL)	Hour	160.00	1,450.00	232,000.00
3	0087	Hire Charges of Suction Jetting machine 2200 PSI machine i/c POL and operator	Day	8.00	44,800.00	358,400.00
4	0241	12.5 mm thick Gypsum plaster board	Sqm	500.00	180.00	90,000.00
5	0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	20.00	1,400.00	28,000.00
6	0294	Stone Aggregate (Single size) : 25 mm nominal size	cum	20.00	1,400.00	28,000.00
7	0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	25.00	1,425.00	35,625.00
8	0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	20.00	1,400.00	28,000.00
9	0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	25.00	1,400.00	35,000.00
10	0341	Flat pressed three layer or graded wood particle board (medium density) exterior grade Grade 1, FPT-1, conforming and marked to IS:3087 12 mm thick	Sqm	100.00	325.00	32,500.00
11	0346	Extra for veneered particle board with Teak veneering on one side and commercial veneering on other side	Sqm	100.00	253.00	25,300.00
12	0362	Brick Bats	Cum	20.00	525.00	10,500.00
13	0364	Wire Brush	each	15.00	25.00	375.00
14	0365	Soft Brush	each	10.00	25.00	250.00
15	0367	Portland Cement (OPC-43 Grade)	kg	4,000.0	5.156	20,624.00
16	0368	White Cement	kg	2,000.0	10.50	21,000.00
17	0374	Pre moulded Joint filler, 25 mm thick for expansion joint.	Sqm	50.00	440.00	22,000.00
18	0413	Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	50.00	440.00	22,000.00
19	0432	Brass hasps and staples (safety type) 115 mm	each	100.00	73.70	7,370.00
20	0433	Brass hasps and staples (safety type) 90 mm	each	100.00	63.20	6,320.00
21	0454	Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick	metre	100.00	137.00	13,700.00

22	0455	Stainless steel SS grade 304, curtain rod 25 mm dia 1.20mm thick	metre	100.00	187.00	18,700.00
23	0456	Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20mm thick	each	50.00	50.00	2,500.00
24	0457	Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20mm thick	each	50.00	60.00	3,000.00
25	0458	plastic sleeves for screw	each	1,000.00	2.20	2,200.00
26	0524	Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not less than 200gms	Nos.	50.00	93.20	4,660.00
27	0525	Chromium plated Brass butt hinges (light/ ordinary) type 125x70x4mm	Nos.	50.00	72.00	3,600.00
28	526	Chromium plated Brass butt hinges (light/ ordinary) type 100x70x4 mm	Nos.	100.00	63.50	6,350.00
29	527	Chromium plated Brass butt hinges (light/ ordinary) type 75x40x2.5 mm	Nos.	50.00	38.10	1,905.00
30	528	Chromium plated Brass butt hinges (light/ ordinary) type 50x40x2.5 mm	Nos.	50.00	20.00	1,000.00
31	552	75mm SS fancy handles for kitchen cabinet	Nos.	50.00	28.50	1,425.00
32	553	100mm SS fancy handles for kitchen cabinet	Nos.	100.00	50.80	5,080.00
33	554	125mm SS fancy handles for kitchen cabinet	Nos.	150.00	71.00	10,650.00
34	555	Chromium plated Brass handles 125 mm with plate 175 x32 mm	each	100.00	152.00	15,200.00
35	556	Chromium plated Brass handles 100 mm with plate 150 x 32 mm	each	100.00	135.00	13,500.00
36	557	Chromium plated Brass handles 75mm with plate 125x32 mm	each	50.00	114.00	5,700.00
37	558	Chromium plated Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	100.00	541.00	54,100.00
38	568	Chromium plated brass casement window fastener	each	150.00	93.00	13,950.00
39	569	Chromium plated Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	100.00	135.00	13,500.00
40	583	Chromium plated Brass Night latch	each	100.00	509.00	50,900.00
41	584	Chromium plated Brass Wardrobe Knob 50 mm	each	100.00	93.00	9,300.00
42	587	Chromium plated Brass screws 30 mm	100 nos.	50.00	228.00	11,400.00
43	0593	C.P. Brass Extension Nipple (1/2"x2" size)	each	300.00	46.00	13,800.00
44	0635	Bright finished or black enameled mild steel screws 50 mm	each	1,000.00	0.80	800.00
45	0637	Bright finished or black enameled mild steel screws 40 mm	each	1,000.00	0.62	620.00

46	0638	Bright finished or black enameled mild steel screws 30 mm	each	100.00	0.48	48.00
47	0696	AnodisedAluminium sliding door bolt 300x16 mm	each	500.00	160.00	80,000.00
48	0697	AnodisedAluminium sliding door bolt 250x16 mm	each	300.00	130.00	39,000.00
49	0698	AnodisedAluminium tower bolt (barrel type) 300x10 mm	each	500.00	61.00	30,500.00
50	0699	AnodisedAluminium tower bolt (barrel type) 250x10 mm	each	300.00	50.50	15,150.00
51	0700	AnodisedAluminium tower bolt (barrel type) 200x10 mm	each	300.00	40.00	12,000.00
52	0701	AnodisedAluminium tower bolt (barrel type) 150x10 mm	each	200.00	32.00	6,400.00
53	0703	AnodisedAluminium handles 125 mm with plate 175 x 32 mm	Nos.	300.00	33.50	10,050.00
54	0704	AnodisedAluminium handles 100 mm with plate 150 x 32 mm	Nos.	200.00	29.00	5,800.00
55	0706	Anodisedaluminium kicking plate 50 cm long 100x3.15mm	Each	200.00	150.00	30,000.00
56	0713	Block board Flush Door with teak wood ply on both side 35 mm thick	Sqm	60.00	1,860.00	111,600.00
57	0753	Square vision panel in Block board construction flush door not exceeding 0.10 sqm	sqm of door area	100.00	140.00	14,000.00
58	0763	Glue	kg	7.00	80.00	560.00
59	0775	Dehradun white lime	Kg	200.00	6.00	1,200.00
60	0802	Acrylic distemper 1st quality , having VOC content less than 50 grams/ litre	Kg	150.00	45.00	6,750.00
61	0806	Ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	litre	100.00	100.00	10,000.00
62	0808	Water thinnable cement primer for interior wall surface, having VOC content less than 50 grams/ litre	litre	500.00	40.00	20,000.00
63	0829	Black Japan paint	litre	100.00	110.00	11,000.00
64	0851	Water proofing cement paint	Kg	100.00	41.00	4,100.00
65	0869	Plaster of Paris	Kg	200.00	7.00	1,400.00
66	0886	Standard holder bat clamps for sand cast iron or cast iron pipes 150 mm dia	each	200.00	50.00	10,000.00
67	0966	Sand Cast iron plain shoe 150 mm dia	each	35.00	320.00	11,200.00
68	0979	Royalty for good earth	cum	150.00	60.00	9,000.00
69	0980	Royalty for sludge	cum	80.00	100.00	8,000.00
70	0982	Coarse sand (zone III)	cum	60.00	1,450.00	87,000.00
71	0983	Fine sand (zone IV)	cum	50.00	980.00	49,000.00
72	1001	Spun yarn	Kg	35.00	60.00	2,100.00
73	1005	Twisted steel/ deformed TMT bars Fe-500D	kg	100.00	55.50	5,550.00

74	1007	Structural steel such as tees, angles channels and R.S. joists	kg	150.00	59.65	8,947.50
75	1008	Flats up to 10 mm in thickness	kg	100.00	54.50	5,450.00
76	1009	Flats exceeding 10 mm in thickness	kg	120.00	55.00	6,600.00
77	1010	Mild steel plates	kg	60.00	57.00	3,420.00
78	1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 Nos.	500.00	38.00	19,000.00
79	1023	Galvanised steel J or L hooks 8 mm dia	nos.	1,000.00	13.00	13,000.00
80	1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	150.00	9.00	1,350.00
81	1168	Kota stone slab 20 mm to 25 mm thick (semi-polished)	Sqm	50.00	320.00	16,000.00
82	1208	Bitumen washer	100 Nos.	50.00	30.00	1,500.00
83	1213	Water Proofing material	kg	250.00	45.00	11,250.00
84	1214	welding by gas plant	cm	1,000.00	2.00	2,000.00
85	1215	Welding by electric plant	cm	800.00	2.50	2,000.00
86	1219	Wire nails kilogram	kg	60.00	58.00	3,480.00
87	1239	18 mm thick Flamed finish granite stone slab	Sqm	500.00	1,200.00	600,000.00
88	1245	Acid for cleaning titles	Litre	100.00	20.00	2,000.00
89	1246	Silicon based Joint Sealant for Tiles	kg	50.00	160.00	8,000.00
90	1248	Epoxy based sealing Compound	kg	50.00	535.00	26,750.00
91	1301	Bleaching powder	kg	50.00	17.00	850.00
92	1309	C.I. bracket for wash basin and sinks	Pair	200.00	95.00	19,000.00
93	1313	8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with S.S. traingular plate for European type W.C.	each	150.00	220.00	33,000.00
94	1331	M.S. Holder bat clamp of approved design for 100 mm S.C.I.pipe	each	200.00	27.00	5,400.00
95	1350	Mosquito proof coupling of approved design	each	100.00	35.00	3,500.00
96	1352	C.I. cover and frame 300x300 mm inside	each	50.00	525.00	26,250.00
97	1353	C.I. cover without frame 300x300 mm inside weight not less than 4.50 kg	each	50.00	525.00	26,250.00
98	1354	C.I. Rectangular cover 455x610 mm with frame (low duty)	each	50.00	1,540.00	77,000.00
99	1355	C.I. Rectangular cover 455x610 mm without frame (low duty)	each	100.00	850.00	85,000.00
100	1356	C.I. 500 mm dia cover with frame (medium duty)	each	50.00	4,400.00	220,000.00
101	1357	C.I. 500 mm dia cover without frame (medium duty)	each	100.00	2,300.00	230,000.00
102	1364	C.I. grating 100x100 mm	each	100.00	40.00	4,000.00
103	1366	C.I. grating 150x150 mm	each	100.00	55.00	5,500.00
104	1367	C.I. grating 180x180 mm	each	100.00	65.00	6,500.00

105	1369	S.C.I. gully or nahani grating 100 mm dia	each	200.00	28.00	5,600.00
106	1373	Rubber insertions for 75 mm dia pipe joints	each	80.00	18.00	1,440.00
107	1374	Rubber insertions for 100 mm dia pipe joints	each	150.00	20.00	3,000.00
108	1375	Rubber insertions for 125 mm dia pipe joints	each	100.00	18.00	1,800.00
109	1376	Rubber insertions for 150 mm dia pipe joints	each	50.00	19.00	950.00
110	1377	Rubber insertions for 200 mm dia pipe joints	each	50.00	24.00	1,200.00
111	1392	Mirror of superior make glass 60x45 cm	each	100.00	450.00	45,000.00
112	1397	Pig lead	kg	25.00	210.00	5,250.00
113	1540	Flush pipe and spreaders G.I. for single set of one squatting plate urinal	each	60.00	200.00	12,000.00
114	1541	Flush pipe and spreaders G.I. for range of two squatting plates urinal	each	60.00	300.00	18,000.00
115	1545	G.I. Pipes 15mm	mtr.	500.00	107.00	53,500.00
116	1546	G.I. Pipes 20mm	mtr.	450.00	139.00	62,550.00
117	1547	G.I. Pipes 25mm	mtr.	400.00	197.00	78,800.00
118	1548	G.I. Pipes 32mm	mtr.	350.00	247.00	86,450.00
119	1549	G.I. Pipes 40mm	mtr.	150.00	290.00	43,500.00
120	1550	G.I. Pipes 50mm	mtr.	200.00	390.00	78,000.00
121	1551	G.I. Pipes 65mm	mtr.	200.00	450.00	90,000.00
122	1552	G.I. pipes 80 mm dia	metre	500.00	550.00	275,000.00
123	1608	G.I. tees (equal) 25 mm	each	150.00	70.00	10,500.00
124	1612	G.I. tees (equal) 65 mm	Each	50.00	480.00	24,000.00
125	1616	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 75 mm dia	each	50.00	1,100.00	55,000.00
126	1617	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 100 mm dia	each	50.00	1,200.00	60,000.00
127	1618	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 150 mm dia	each	25.00	1,800.00	45,000.00
128	1627	S.C.I. plain single equal junctions 75x75x75 mm dia	each	25.00	330.00	8,250.00
129	1628	S.C.I. plain single equal junctions 100x100x100 mm dia	each	40.00	410.00	16,400.00
130	1640	Slotted cowl (terminal guard) 100 mm dia	each	50.00	280.00	14,000.00
131	1641	G.I. Union 15 mm nominal bore each	each	100.00	40.00	4,000.00
132	1642	G.I. Union 20 mm nominal bore	each	100.00	60.00	6,000.00
133	1643	G.I. Union 25 mm nominal bore each	each	80.00	125.00	10,000.00
134	1644	G.I. Union 32 mm nominal bore	each	50.00	160.00	8,000.00
135	1645	G.I. Union 40 mm nominal bore each	each	50.00	260.00	13,000.00
136	1646	G.I. Union 50 mm nominal bore each	each	30.00	330.00	9,900.00
137	1647	G.I. Union 65 mm nominal bore each	each	15.00	550.00	8,250.00

138	1648	G.I. Union 80 mm nominal bore	each	30.00	600.00	18,000.00
139	1649	Polyethylene water storage tank with cover and suitable locking arrangement	per litre	8,000.00	6.50	52,000.00
140	1666	Sand cast iron heel rest bend 75 mm dia	each	30.00	320.00	9,600.00
141	1667	Sand cast iron heel rest bend 100 mm dia	each	40.00	380.00	15,200.00
142	1689	Unplasticised P.V.C. Connection pipe with brass union 45 cm long 15mm bore	each	200.00	38.00	7,600.00
143	1871	White vitreous china laboratory sink 450x300x150 mm	each	25.00	1,650.00	41,250.00
144	1872	White vitreous china laboratory sink 600x450x200 mm	each	25.00	2,750.00	68,750.00
145	1875	White plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	50.00	451.00	22,550.00
146	1878	Shower rose C.P. brass for 15 to 20 mm inlet 100 mm dia	each	50.00	121.00	6,050.00
147	1885	15 mm C.P. brass tap	each	50.00	297.00	14,850.00
148	1889	C.P. brass toilet paper holder of standard size	each	80.00	308.00	24,640.00
149	1891	C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia	each	100.00	209.00	20,900.00
150	1913	Vitreous china lipped front urinal	each	50.00	517.00	25,850.00
151	1922	H.P. or L.P. ball valve with polythene floats: 15 mm dia	each	80.00	237.00	18,960.00
152	1923	H.P. or L.P. ball valve with polythene floats: 20 mm dia	each	50.00	264.00	13,200.00
153	1924	H.P. or L.P. ball valve with polythene floats: 25 mm dia	each	20.00	253.00	5,060.00
154	1926	20 mm dia Gunmetal gate valve with wheel	Each	100.00	358.00	35,800.00
155	1927	Brass full way valve with C.I. wheel (screwed end) 25 mm dia	Each	200.00	413.00	82,600.00
156	1928	Brass full way valve with C.I. wheel (screwed end) 32 mm dia	Each	200.00	457.00	91,400.00
157	1929	Brass full way valve with C.I. wheel (screwed end) 40 mm dia	Each	100.00	550.00	55,000.00
158	1930	Brass full way valve with C.I. wheel (screwed end) 50 mm dia	Each	100.00	688.00	68,800.00
159	1931	Brass full way valve with C.I. wheel (screwed end) 65 mm dia	Each	75.00	1,188.00	89,100.00
160	1932	Brass full way valve with C.I. wheel (screwed end) 80 mm dia	Each	75.00	1,788.00	134,100.00
161	1933	Gunmetal non-return valve-horizontal (screwed end) 25 mm dia	Each	100.00	385.00	38,500.00
162	1934	Gunmetal non-return valve-horizontal (screwed end) 32 mm dia	Each	100.00	523.00	52,300.00

163	1935	Gunmetal non-return valve-horizontal (screwed end) 40 mm dia	Each	50.00	633.00	31,650.00
164	1936	Gunmetal non-return valve-horizontal (screwed end) 50 mm dia	Each	50.00	924.00	46,200.00
165	1937	Gunmetal non-return valve-horizontal (screwed end) 65 mm dia	Each	25.00	1,678.00	41,950.00
166	1938	Gunmetal non-return valve-horizontal (screwed end) 80 mm dia	Each	25.00	2,530.00	63,250.00
167	1940	C.I. sluice valve (with caps) class I: 100 mm dia	Each	15.00	2,695.00	40,425.00
168	1941	C.I. sluice valve (with caps) class I : 125 mm dia each 2871.00	Each	25.00	2,871.00	71,775.00
169	1942	C.I. sluice valve (with caps) class I: 150 mm dia each 4015.00	Each	25.00	4,015.00	100,375.00
170	1943	C.I. sluice valve (with caps) class I : 200 mm dia each 8360.00	Each	15.00	8,360.00	125,400.00
171	1944	C.I. sluice valve (with caps) class I : 250 mm dia each 12078.00	Each	10.00	12,078.00	120,780.00
172	1945	C.I. sluice valve (with caps) class I: 300 mm dia each 17050.00	Each	10.00	17,050.00	170,500.00
173	1947	Vitreous china flat back Wash Basin 630x450mm	Each	15.00	798.00	11,970.00
174	1949	Vitreous china angle back Wash Basin 600x480mm	Each	40.00	798.00	31,920.00
175	1951	C.P. brass waste 32 mm	Each	80.00	94.00	7,520.00
176	1952	C.P. brass waste 40 mm	Each	80.00	110.00	8,800.00
177	1954	Vitreous chinaorisa type W.C. pan of size 580 mm	each	100.00	1,350.00	135,000.00
178	1955	Vitreous china pedestal type water closet	each	20.00	1,080.00	21,600.00
179	1966	Floor mounted white vitreous china double trap syphonic WC with 10 litre cistern and all fittings & fixtures, seat cover etc	each	20.00	10,250.00	205,000.00
180	1984	Common burnt clay F.P.S. bricks tile class designation 10	Nos.	15,000.00	4.75	71,250.00
181	2402	Epoxy adhesive	kg	40.00	160.00	6,400.00
182	2407	Float glass panes of nominal thickness 5 mm (weight not less than 12.50 kg/sqm)	sqm	250.00	529.00	132,250.00
183	2412	Ply wood 5 ply with commercial ply on both faces 6 mm thick	sqm	200.00	321.00	64,200.00
184	2413	12 mm commercial ply	sqm	200.00	527.00	105,400.00
185	2414	18 mm thick block board with commercial ply veneering on both side	sqm	150.00	792.00	118,800.00
186	2453	Brass cupboard lock 6 levers of approved quality, 65 mm size	each	150.00	94.00	14,100.00
187	2456	Hydraulic door closer bottle type M.S. body with necessary accessories and screws complete	each	200.00	699.00	139,800.00

188	2464	AnodisedAluminium pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	150.00	49.00	7,350.00
189	2465	AnodisedAluminium Casement stay 250 mm	each	80.00	34.00	2,720.00
190	2481	Ply wood 5 ply with teak ply on one face and commercial ply on another face 9 mm thick.	Sqm	50.00	908.00	45,400.00
191	2489	PVC edge bending tape 2.00 mm thick	metre	50.00	22.00	1,100.00
192	2508	Carben Steel galvanised (min 5 micron) dash fastner (min 5 micron)of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10mm x 120 mm	nos.	750.00	40.30	30,225.00
193	2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	each	10,000.0	4.724	47,240.00
194	2607	Weather Sealant - Non Staining (600 ml)	each	300.00	338.000	101,400.00
195	2609	MS Brackets/Aluminium Alloy Brackets	kg	20.00	107.00	2,140.00
196	2610	Silicon Gasket in Kg (Above 50 g / m)	kg	50.00	502.00	25,100.00
197	2611	EPDM Gasket in Kg (Above 60 g / m)	kg	30.00	163.00	4,890.00
198	2612	Anchor Fastner - M10	each	200.00	12.00	2,400.00
199	2614	SS Screws of sizes for structural glazing / ACP Cladding	each	150.00	5.00	750.00
200	2640	Glass panes of required thickness having 120 minutes of fire resistance both integrity and radiation control (EI 120) and minimum 20 minutes of insulation (EI 20)	Sqm	10.00	26,200.00	262,000.00
201	2627	SS Screws - # 8 x 19	Nos.	1,000.00	8.00	8,000.00
202	2631	4 mm thick ACP	Sqm	750.00	1,134.00	850,500.00
203	3002	Polyvinyl chloride sheet 400 micron thick	sqm	300.00	47.00	14,100.00
204	3229	Vitreous china flat back wash basin 550x400 mm	each	100.00	554.00	55,400.00
205	3311	C.I. sluice valve (with caps) class II : 100 mm dia	each	25.00	2,776.00	69,400.00
206	3327	15 mm Battery Based Sensor Pillar Cock	each	10.00	6,170.00	61,700.00
207	3617	C.P. Brass union 40mm dia	each	100.00	226.00	22,600.00
208	3624	S.C.I Plain Bend S.C.I. S&S bends with access door 100 mm dia	each	50.00	445.00	22,250.00
209	3625	S.C.I Plain Bend S.C.I. S&S bends with access door 75 mm dia	each	50.00	325.00	16,250.00
210	3640	S.C.I Single equal tee S.C.I. S&S single equal junctions 100x100x100 mm	each	50.00	540.00	27,000.00

211	3641	S.C.I Single equal tee S.C.I. S&S single equal junctions 75x75x75 mm	each	50.00	370.00	18,500.00
212	4001	Stainless Steel-304 hollow section round/ square tubes	kg	200.00	280.00	56,000.00
213	4002	Stainless Steel bolts/ square bar and plates	kg	200.00	150.00	30,000.00
214	4202	Red Oxide Zinc Chromate Primer	litre	150.00	140.00	21,000.00
215	4204	Hydrochloric acid	kg	25.00	40.00	1,000.00
216	5001	Mobil Oil	Litre	25.00	350.00	8,750.00
217	5772	Grease	kg	10.00	195.00	1,950.00
218	7005	Vitreous china 10 litres low level cistern without fittings	each	50.00	700.00	35,000.00
219	7006	Vitreous china 10 litres low level cistern with fittings	each	100.00	1,200.00	120,000.00
220	7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	1,000.00	49.00	49,000.00
221	7011	Galvanised Steel perimeter Channel (Size 20x27x30x0.50mm)	metre	1,000.00	24.00	24,000.00
222	7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	1,000.00	40.00	40,000.00
223	7013	Galvanised Steel angle hanger (Celling angle) (Size 25x10x0.50mm)	metre	750.00	13.00	9,750.00
224	7014	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	500.00	4.00	2,000.00
225	7015	Galvanised Steel soffit cleat (Size 27x37x25x0.60mm)	each	500.00	3.00	1,500.00
226	7016	Joint filler	kg	80.00	25.00	2,000.00
227	7017	Joint finisher	kg	80.00	23.00	1,840.00
228	7018	Joint tape roll	roll	250.00	95.00	23,750.00
229	7020	All drive screws (for gypsum board)	Nos.	4,000.00	0.63	2,520.00
230	7021	Primer (for gypsum board)	liter	300.00	75.00	22,500.00
231	7027	M.S. Butt hinges 125x90x4 mm	each	100.00	11.30	1,130.00
232	7028	12.5 mm thick Fully Perforated gypsum board	Sqm	100.00	414.00	41,400.00
233	7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63 mm	Sqm	500.00	260.00	130,000.00
234	7031	12.5 mm thick tapered edge moisture resistant plain gypsum plaster board conforming to IS 2095 (Part 1):2011	Sqm	100.00	270.00	27,000.00
235	7032	Frosted glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm)	Sqm	50.00	445.00	22,250.00
236	7045	Rolling shutters of 80x1.2 mm laths	Sqm	100.00	1,458.00	145,800.00
237	7056	Aluminium tee channel (heavy duty) with rollers and stop end	metre	200.00	108.00	21,600.00

238	7059	Aluminium hanging floor door stopper with twin rubber & stopper	each	200.00	44.00	8,800.00
239	7060	Hydraulic door closer tubular type Aluminium section body	each	100.00	600.00	60,000.00
240	7063	Oxidised M.S. casement stay (straight peg type) 300 mm not less than 0.33 kg	each	150.00	37.00	5,550.00
240 (i)	7072	Wall mounted water closet of size 780 x 370x690 mm	each	100.00	5,940.00	594,000.00
241	7076	Battery based infrared sensor operated white Vitreous Urinal of aprox. size 610x390x370 mm	each	25.00	4,770.00	119,250.00
242	7077	Acid and alkali resistant tiles 300x300 mm size, 10 mm thick	Nos.	500.00	53.00	26,500.00
243	7095	Stainless steel kitchen sink - with drain board 510x1040 mm bowl depth 250 mm	each	30.00	3,200.00	96,000.00
244	7101	Stainless steel kitchen sink - without drain board 610x510 mm bowl depth 200 mm	each	20.00	2,350.00	47,000.00
245	7112	Circular shape 450 mm dia Mirror with Plastic moulded frame	each	30.00	436.00	13,080.00
246	7113	Rectangular shape 453x357 mm Mirror with Plastic moulded frame	each	100.00	307.00	30,700.00
247	7115	Rectangular shape 1500x450 mm Mirror with Plastic moulded frame	each	100.00	700.00	70,000.00
248	7119	Flexible (coil shaped) PVC waste pipe for sink and wash basin 32 mm dia with length not less than 700 mm i/c PVC waste fittings	each	80.00	38.00	3,040.00
249	7120	Flexible (coil shaped) PVC waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings	each	80.00	38.00	3,040.00
250	7121	Bottle Trap	each	100.00	682.00	68,200.00
251	7122	CP Brass Single lever telephonic wall mixer of approved make each	each	100.00	4,800.00	480,000.00

252	7126	White Vitreous china 10 litre (full flush) capacity controlled low level flushing cistern with all fittings	each	50.00	730.00	36,500.00
253	7128	S.W. intercepting trap 100 mm dia	each	30.00	200.00	6,000.00
254	7129	S.W. intercepting trap 150 mm dia	each	30.00	262.00	7,860.00
255	7131	Square shape 450x450 mm precast R.C.C. manhole cover with frame - L.D. - 2.5	each	30.00	600.00	18,000.00
256	7132	Circular shape 450 mm dia precast R.C.C. manhole cover with frame - L.D. - 2.5	each	20.00	610.00	12,200.00
257	7134	Circular shape Manhole Cover of 500mm Dia with frame	Each	50.00	605.00	30,250.00
258	7188	U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 75mm dia	metre	20.00	74.00	1,480.00
259	7189	U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 110 mm dia	metre	50.00	142.00	7,100.00
260	7191	U-PVC pipes (working pressure 4 kg / cm ²) Rubber (Seal) Ring 110 mm dia	Each	100.00	12.00	1,200.00
261	7192	uPVC coupler for UPVC drainage pipes 75 mm	Each	50.00	19.00	950.00
262	7193	uPVC coupler for UPVC drainage pipes 110 mm	each	50.00	41.00	2,050.00
263	7194	uPVC pushfit coupler (single) 75 mm thick	each	50.00	20.00	1,000.00
264	7195	uPVC pushfit coupler (single) 110 mm thick	each	50.00	35.00	1,750.00
265	7196	uPVC single equal Tee (without door) 75x75x75 mm	each	50.00	50.00	2,500.00
266	7197	uPVC single equal Tee (without door) 110x110x110 mm	each	50.00	89.00	4,450.00
267	7208	UPVC bend 87.5° 75 mm bend	each	20.00	68.00	1,360.00
268	7209	UPVC bend 87.5° 110 mm bend	each	50.00	63.00	3,150.00
269	7212	UPVC plain shoe 75 mm	each	20.00	29.00	580.00
270	7213	UPVC plain shoe 110 mm	each	50.00	50.00	2,500.00
271	7214	UPVC pipe clip 75 mm	each	20.00	15.00	300.00
272	7215	UPVC pipe clip 110 mm	each	50.00	16.00	800.00
273	7217	SS anchor Fasteners (RCC / Brick) –	each	120.00	76.00	9,120.00

		M 8x75mm/M-10x100mm				
274	7226	Sealer	Kg	20.00	290.00	5,800.00
275	7240	Fire retardant paint	litre	500.00	259.00	129,500.00
276	7241	Melamine polish	litre	250.00	327.00	81,750.00
277	7256	Superior quality road marking paint (water based)	litre	100.00	140.00	14,000.00
278	7257	C.P. Brass bibcock 15 mm	each	150.00	330.00	49,500.00
279	7259	C.P. Brass long body bibcock 15 mm	each	150.00	530.00	79,500.00
280	7260	C.P. Brass stop cock (concealed) 15 mm	each	80.00	445.00	35,600.00
281	7261	C.P. Brass angle valve 15 mm	each	150.00	378.00	56,700.00
282	7270	30 mm thick prelaminated flush door shutter	sqm	100.00	900.00	90,000.00
283	7295	Granite of colour black, cherry/ruby red 18 mm thick (slab area upto 0.50 sqm)	sqm	240.00	1,908.00	457,920.00
284	7298	Granite of colour black, cherry/ ruby red 18 mm thick (slab area above 0.50 sqm)	Sqm	100.00	2,152.00	215,200.00
285	7306	Aluminium T or L sections	Kg	1,000.00	198.00	198,000.00
286	7315	Expandable fastener with plastic sleeve and M.S. screws. 50 mm long	each	200.00	15.00	3,000.00
287	7326	Corner angle 45x45x5 mm 1.50 m long	each	100.00	257.00	25,700.00
288	7338	Gun metal cramp	Kg	50.00	335.00	16,750.00
289	7358	Flushing Cistern P.V.C. 10 litre capacity (low level -White) (with fittings, accessories and flush pipe)	each	80.00	621.00	49,680.00
290	7361	P.V.C. automatic flushing cistern 10 litre capacity	each	50.00	545.00	27,250.00
291	7363	15 mm C.P. brass tap with elbow operation lever	each	50.00	464.00	23,200.00
292	7375	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Single lipped urinal	each	65.00	481.00	31,265.00
293	7379	White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with	each	80.00	915.00	73,200.00

		waste fittings as per IS:2556				
294	7388	Dash hold fastener 12.5mm dia, 50 mm long with 6 mm dia bolt	each	80.00	10.00	800.00
295	7392	Powder coating 50 microns on aluminium sections	Kg	250.00	66.00	16,500.00
296	7394	Double action hydraulic floor spring with stainless steel cover plate	each	50.00	1,615.00	80,750.00
297	7395	6 mm dia G.I. adjustable hangers including clips (up to 1.2 m length)	each	500.00	21.00	10,500.00
298	7400	15 mm PTMT bib cock	each	150.00	70.00	10,500.00
299	7401	15 mm PTMT bib cock with flange (fancy)	each	80.00	95.00	7,600.00
300	7402	15 mm PTMT bib cock long body with flange	each	80.00	106.00	8,480.00
301	7403	15 mm dia PTMT stop cock (male thread)	each	80.00	65.00	5,200.00
302	7405	20 mm dia PTMT stop cock	each	50.00	73.00	3,650.00
303	7406	PTMT pillar cock	each	150.00	125.00	18,750.00
304	7407	PTMT push cock 15 mm dia each	each	150.00	61.00	9,150.00
305	7410	PTMT Pillar cock (fancy) 15 mm foam flow each	each	100.00	136.00	13,600.00
306	7411	125 mm grating with waste hole	each	300.00	27.00	8,100.00
307	7491	PTMT - Waste Coupling 31/32 mm	each	250.00	35.00	8,750.00
308	7492	PTMT - Waste Coupling 38/40 mm	each	300.00	40.00	12,000.00
309	7493	PTMT - Bottle Trap 31/32 mm	each	100.00	212.00	21,200.00
310	7494	PTMT - Bottle Trap 38/40 mm	each	100.00	218.00	21,800.00
311	7504	PTMT - Towel Ring 215x200x37 mm	each	80.00	117.00	9,360.00
312	7506	PTMT - Towel Rail (600 mm)	each	50.00	157.00	7,850.00
313	7509	PTMT Soap Dish/Holder 138x102x75 mm	each	10.00	63.00	630.00
314	7517	PTMT Tower bolt 202x42x18 mm	each	100.00	62.00	6,200.00
315	7752	PVC slotted pipe 200 mm dia as per IS: 12818	metre	100.00	875.00	87,500.00
316	7753	Stone Boulder 50mm to 200mm	cum	50.00	875.00	43,750.00
317	7754	Gravel 5mm to 10mm	cum	50.00	895.00	44,750.00
318	7755	Gravel 1.5mm to 2mm	cum	50.00	895.00	44,750.00

319	7756	Gravel 3mm to 6mm	cum	50.00	895.00	44,750.00
320	7801	Ceramic Glazed Tiles 1st quality 300 x 300 mm in all shades and designs of White, Ivory, grey, Fume Red brown etc.	sqm	200.00	200.00	40,000.00
321	7864	P.T.M.T. extension nipple 15 mm	each	200.00	30.00	6,000.00
322	7865	P.T.M.T. extension nipple 20 mm	each	200.00	58.00	11,600.00
323	7866	P.T.M.T. extension nipple 25 mm	each	150.00	72.00	10,800.00
324	7893	Tactile tile	Sqm	80.00	890.00	71,200.00
325	7911	Chemical Rust remover	litre	25.00	290.00	7,250.00
326	7913	Epoxy	kg	50.00	380.00	19,000.00
327	7923	GI injection nipple 12mm dia, 75mm long	each	150.00	50.00	7,500.00
328	8212	Stainless steel screws 30 mm	each	200.00	2.55	510.00
329	8214	Stainless steel screws 20 mm	each	200.00	1.75	350.00
330	8223	M.S. heavy weight butt hinges 100x75x3.5 mm IS: 1341 marked	Nos.	100.00	20.00	2,000.00
331	8227	Stainless steel fancy handle	Nos.	200.00	115.00	23,000.00
332	8229	Stainless steel telescopic drawer channels 500mm long	Set	100.00	595.00	59,500.00
333	8230	Stainless steel (Grade-304) basket (readymade)	kg	100.00	310.00	31,000.00
334	8588	Galvanised MS hanger rod 6 mm dia MS fully threaded up to 1000 mm length	each	1,000.00	17.00	17,000.00
335	8589	Calcium Silicate tegular edged ceiling tiles 595x595 mm and 15 mm thick on edges	sqm	2,000.00	822.00	1,644,000.00
336	8592	Galvanised Steel intermediate cross T section size 24 x 25 x 0.33 mm (1.2 metre long)	each	1,000.00	54.00	54,000.00
337	8593	Galvanised Steel intermediate cross T section size 24 x 25 x 0.33 mm (0.6 metre long)	each	1,000.00	27.00	27,000.00
338	8594	Galvanised Steel soffit cleat size 25x35x1.60 mm	each	1,000.00	5.50	5,500.00
339	8597	Providing and fixing Gi Metal Tile Clip in Plain Beveled edge global	sqm	300.00	793.00	237,900.00

		white colour tiles of size 600x600 mm and 0.5 mm thick				
340	8598	GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5mm thick	sqm	500.00	882.00	441,000.00
340 (i)	8600	GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595mm and 0.5 mm thick	sqm	2,000.00	812.00	1,624,000.00
341	8602	Gypsum Tiles Fully Perforated Square edge of Size 595x595 mm and 12.5 mm thick false ceiling	Sqm	2,000.00	450.00	900,000.00
342	8605	C Wall angle section 20x30x20x0.50 mm (3.00 metre long)	mtr.	1,000.00	115.00	115,000.00
343	8615	Hanger rod 4 mm thick	each	500.00	11.00	5,500.00
344	8616	Adjustment clip 85x30x0.8 mm	each	500.00	7.00	3,500.00
345	8621	Vitrified floor tiles 60X60 cm conforming to IS 15622:2006 group (B1a)	sqm	150.00	550.00	82,500.00
346	8636	CPVC Pipe 15mm outer dia	mtr.	1,500.00	43.00	64,500.00
347	8637	CPVC Pipe 20mm outer dia	mtr.	1,500.00	59.00	88,500.00
348	8638	CPVC Pipe 25mm outer dia	mtr.	1,000.00	95.00	95,000.00
349	8639	CPVC Pipe 32 mm outer dia	mtr.	1,000.00	140.00	140,000.00
350	8640	CPVC Pipe 40 mm outer dia	mtr.	250.00	200.00	50,000.00
351	8641	CPVC Pipe 50 mm outer dia	mtr.	500.00	325.00	162,500.00
352	8642	CPVC pipe 65 mm nominal dia	mtr.	450.00	776.00	349,200.00
353	8643	CPVC Pipe 80mm outer dia	mtr.	200.00	1,042.00	208,400.00
354	8655	Autoclaved aerated cement (AAC) blocks	cum.	50.00	2,915.00	145,750.00
355	8661	Aluminium casement window fastener (powder coated)	each	200.00	61.00	12,200.00
356	8664	Aluminium round shape handle (powder coated) outer dia 100 mm each	each	500.00	69.00	34,500.00
357	8667	UV stabilised 2 mm thick plain FRP sheet	Sqm	150.00	504.00	75,600.00
358	8674	Precoated galvanised steel gutter 600 mm overall girth	mtr.	300.00	484.00	145,200.00
359	8682	Epoxy Grout	Kg	25.00	418.00	10,450.00

360	8683	Red sand stone gang saw cut 30 mm thick	Sqm	200.00	524.00	104,800.00
361	8686	Precast C.C. Kerb stone M - 25 (including carriage)	Cum	50.00	6,160.00	308,000.00
362	8689	Interlocking C.C. paver block (60 mm thick, M-30)	Sqm	50.00	400.00	20,000.00
363	8703	Telescopic drawer channels 300 mm long	Set	250.00	264.00	66,000.00
364	8704	Stainless steel roller for sliding arrangement in racks/ cupboards/cabinets shutter	each	500.00	12.00	6,000.00
365	8705	50 mmX42 mmX2 mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish	mtr.	750.00	183.00	137,250.00
366	8706	25 mm thick factory made PVC flush door shutter i/c carriage	sqm	315.00	1,870.00	589,050.00
367	8707	Factory made glass reinforced plastic door frame 90x45 mm i/c carriage	metre	500.00	350.00	175,000.00
368	8708	30 mm thick factory made glass fiber reinforced plastic panel door shutter i/c carriage	sqm	210.00	2,290.00	480,900.00
369	8716	100 mm mortice lock with 6 levers for aluminium door	each	50.00	475.00	23,750.00
370	8719	2nd class teak wood moulded beading or Taj beading/ornamental beading of size 18X5 mm	mtr.	500.00	33.00	16,500.00
371	8724	12 mm thick marine plywood conforming to IS: 710	sqm	100.00	785.00	78,500.00
372	8727	1.00 mm thick decorative laminated sheet	sqm	200.00	323.00	64,600.00
373	8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	100.00	445.00	44,500.00
374	8740	Fire seal Putty	kg	25.00	334.00	8,350.00
375	8741	Clear fire resistant glass panes 6mm thick (60 minutes)	Sqm	5.00	23,650.00	118,250.00
376	8744	Panic Bar / latch (Double point)	each	50.00	5,720.00	286,000.00
377	8774	Aluminium Grill as per IS 1868	kg	100.00	294.00	29,400.00

378	8778	Toughened glass 12 mm thickness	Sqm	50.00	1,925.00	96,250.00
379	8786	Coupling/Socket fittings for 22.22 mm outer dia SS pipe	each	20.00	80.00	1,600.00
380	8787	Coupling/Socket fittings for 28.58 mm outer dia SS pipe	each	20.00	110.00	2,200.00
381	8813	Elbow 90° for 22.22 mm outer dia SS pipe	each	20.00	80.00	1,600.00
382	8814	Elbow 90° for 28.58 mm outer dia SS pipe	each	20.00	115.00	2,300.00
383	8830	Reducing Tee for 22.22 mm X 15.88 mm outer dia SS	each	20.00	189.00	3,780.00
384	8832	Reducing Tee for 28.58 mm X 22.22 mm outer dia SS pipe	each	20.00	255.00	5,100.00
385	9001	C.P. Brass Centre Hole Basin Mixer With Cast Spout	each	40.00	1,760.00	70,400.00
			Sub Total in Rs.			23,733,714.50
			Cost Index @ 3%			712,011.44
			Total			24,445,725.94
			Add Cartage			-
		WC	Total			24,445,725.94
		P=(WCx15%)	Add Contractor Profit@ 15%			3,666,858.89
		Q=WC+P	TOTAL AMOUNT			28,112,584.83
		R=Qx1%	Add LabourCess @ 1%			281,125.85
		S=Q+R	Total			28,393,710.67
		T=Sx18%	Add GST @18 %			5,110,867.92
		U=(S+T)	GRAND TOTAL			33,504,578.59
			Say			33,504,579.00

CIVIL WORK (NDSR Supply of Material)						
S. No.	NDSR ITEMS	Description of Items	Unit	Qty	Unit Rate (in Rs)	NDSR Amount (in Rs.)
1	NDSR	PTFE (Teflon) tape 10mm width & 15m length	each	600.00	17.00	10,200.00
	NDSR	Supplying & providing Chlorinated Polyvinyl Chloride (CPVC) plain coupler (socket) of required size, manufactured as per IS:15778 / ASTM D2846 (SDR 11 / SDR 13.5), suitable for hot & cold water supply system, to be jointed to CPVC pipe:				
2	NDSR	15 mm	each	100.00	14.50	1,450.00
3	NDSR	20 mm	each	200.00	18.00	3,600.00
4	NDSR	25 mm	each	80.00	29.00	2,320.00
5	NDSR	32 mm	each	50.00	48.00	2,400.00
6	NDSR	40 mm	each	30.00	90.50	2,715.00
7	NDSR	50 mm	each	30.00	182.00	5,460.00
8	NDSR	20*15mm	each	150.00	23.00	3,450.00
9	NDSR	25*15 mm	each	150.00	25.00	3,750.00
10	NDSR	25*20 mm	each	150.00	34.00	5,100.00
11	NDSR	32 *15 mm	each	100.00	53.50	5,350.00
12	NDSR	32 *20 mm	each	100.00	61.50	6,150.00
13	NDSR	32 *25 mm	each	100.00	66.00	6,600.00
14	NDSR	40*20 mm	each	75.00	92.00	6,900.00
15	NDSR	40*25 mm	each	50.00	97.00	4,850.00
	NDSR	Supplying & providing Chlorinated Polyvinyl Chloride (CPVC) threaded reducer coupler with brass insert of required size, conforming to IS:15778 / ASTM D2846 (SDR 11 / SDR 13.5), suitable for hot & cold water supply system, jointing to CPVC pipes:				
16	NDSR	20*15mm	each	150.00	78.75	11,812.50
17	NDSR	25*15 mm	each	150.00	129.06	19,359.00
18	NDSR	25*20 mm	each	100.00	155.10	15,510.00
19	NDSR	32 *15 mm	each	50.00	170.24	8,512.00
	NDSR	Supplying & providing Chlorinated Polyvinyl Chloride (CPVC) plain elbow of required size, manufactured as per IS:15778 / ASTM D2846 (SDR 11 / SDR 13.5), suitable for hot & cold water supply system, to be jointed to CPVC pipe:				
20	NDSR	15 mm	each	100.00	15.50	1,550.00
21	NDSR	20 mm	each	200.00	18.40	3,680.00

22	NDSR	25 mm	each	80.00	37.45	2,996.00
23	NDSR	32 mm	each	50.00	76.40	3,820.00
24	NDSR	40 mm	each	30.00	152.50	4,575.00
25	NDSR	50 mm	each	30.00	315.80	9,474.00
26	NDSR	20*15 mm	each	100.00	28.35	2,835.00
27	NDSR	25*20 mm	each	100.00	51.45	5,145.00
28	NDSR	32*20 mm	each	50.00	66.00	3,300.00
29	NDSR	32*25 mm	each	50.00	89.00	4,450.00
	NDSR	Supplying & providing Chlorinated Polyvinyl Chloride (CPVC) elbow with brass insert (threaded), conforming to IS:15778 / ASTM D2846 (SDR 11 / SDR 13.5), suitable for hot & cold water supply system, including jointing to CPVC pipes:				
30	NDSR	15 mm	each	100.00	80.00	8,000.00
31	NDSR	20 mm	each	200.00	125.00	25,000.00
32	NDSR	25 mm	each	80.00	350.72	28,057.20
33	NDSR	32 mm	each	50.00	468.00	23,400.00
34	NDSR	40 mm	each	30.00	682.50	20,475.00
35	NDSR	50 mm	each	30.00	1,230.50	36,915.00
36	NDSR	20*15 mm	each	100.00	80.25	8,025.00
37	NDSR	25*15mm	each	75.00	133.75	10,031.25
38	NDSR	25*20 mm	each	75.00	263.22	19,741.50
39	NDSR	32*20 mm	each	75.00	481.50	36,112.50
	NDSR	Supplying & providing Chlorinated Polyvinyl Chloride (CPVC) plain tee (equal) of required size, conforming to IS:15778 / ASTM D2846 (SDR 11 / SDR 13.5), suitable for hot & cold water supply system, jointing to CPVC pipe:				
40	NDSR	15 mm	each	100.00	23.00	2,300.00
41	NDSR	20 mm	each	200.00	32.00	6,400.00
42	NDSR	25 mm	each	80.00	68.00	5,440.00
43	NDSR	32 mm	each	50.00	123.75	6,187.50
44	NDSR	40 mm	each	30.00	220.00	6,600.00
45	NDSR	50 mm	each	30.00	445.00	13,350.00
46	NDSR	20*15mm	each	50.00	40.75	2,037.50
47	NDSR	25*15 mm	each	50.00	50.00	2,500.00
48	NDSR	25*20 mm	each	50.00	53.00	2,650.00
49	NDSR	32*15 mm	each	50.00	89.50	4,475.00
50	NDSR	32*20 mm	each	50.00	105.50	5,275.00

	NDSR	Supplying & providing Chlorinated Polyvinyl Chloride (CPVC) threaded reducing tee with brass insert, conforming to IS:15778 / ASTM D2846 (SDR 11 / SDR 13.5), suitable for hot & cold water supply system, jointing to CPVC pipes:				
51	NDSR	20*15mm	each	100.00	72.00	7,200.00
52	NDSR	25*15 mm	each	100.00	125.00	12,500.00
53	NDSR	25*20 mm	each	100.00	156.00	15,600.00
54	NDSR	32*15 mm	each	75.00	175.00	13,125.00
55	NDSR	32*20 mm	each	50.00	199.50	9,975.00
	NDSR	Supplying & providing Chlorinated Polyvinyl Chloride (CPVC) plain union of required size, conforming to IS:15778 / ASTM D2846 (SDR 11 / SDR 13.5), suitable for hot & cold water supply system, jointing to CPVC pipes:				
56	NDSR	15 mm	each	100.00	65.00	6,500.00
57	NDSR	20 mm	each	200.00	84.00	16,800.00
58	NDSR	25 mm	each	80.00	121.90	9,752.00
59	NDSR	32 mm	each	50.00	175.50	8,775.00
60	NDSR	40 mm	each	30.00	275.00	8,250.00
61	NDSR	50 mm	each	30.00	482.00	14,460.00
	NDSR	Supplying & providing Chlorinated Polyvinyl Chloride (CPVC) male threaded adapter (MTA) with brass insert, conforming to IS:15778 / ASTM D2846 (SDR 11 / SDR 13.5), suitable for hot & cold water supply system, including jointing to CPVC pipes:				
62	NDSR	15 mm	each	100.00	136.25	13,625.00
63	NDSR	20 mm	each	200.00	166.95	33,390.00
64	NDSR	25 mm	each	80.00	254.10	20,328.00
65	NDSR	32 mm	each	50.00	509.80	25,490.00
66	NDSR	40 mm	each	30.00	714.00	21,420.00
67	NDSR	50 mm	each	30.00	1,164.25	34,927.50
	NDSR	Supplying & providing Chlorinated Polyvinyl Chloride (CPVC) female threaded adapter (FTA) with brass insert, conforming to IS:15778 / ASTM D2846 (SDR 11 / SDR 13.5), suitable for hot & cold water supply system, including jointing to CPVC pipes:				
68	NDSR	15 mm	each	100.00	127.90	12,790.00
69	NDSR	20 mm	each	200.00	164.10	32,820.00
70	NDSR	25 mm	each	80.00	249.00	19,920.00
71	NDSR	32 mm	each	50.00	481.20	24,060.00
72	NDSR	40 mm	each	30.00	684.60	20,538.00

73	NDSR	50 mm	each	30.00	1,115.50	33,465.00
	NDSR	Supplying & providing CPVC plain end plug (cap) of required size, conforming to IS:15778 / ASTM D2846 (SDR 11 / SDR 13.5) for fittings, suitable for hot & cold water supply system, jointing to CPVC pipes:				
74	NDSR	15 mm	each	100.00	9.00	900.00
75	NDSR	20 mm	each	200.00	14.25	2,849.60
76	NDSR	25 mm	each	80.00	21.50	1,720.00
77	NDSR	32 mm	each	50.00	38.85	1,942.50
78	NDSR	40 mm	each	30.00	61.50	1,845.00
79	NDSR	50 mm	each	30.00	135.50	4,065.00
	NDSR	Supplying & providing CPVC Ball valve of approved quality, suitable for high or low pressure water supply, conforming to IS:15778 / ASTM D2846, complete with jointing to CPVC pipes:				
80	NDSR	15 mm	each	100.00	117.50	11,750.00
81	NDSR	20 mm	each	200.00	162.50	32,500.00
82	NDSR	25 mm	each	80.00	298.50	23,880.00
83	NDSR	32 mm	each	50.00	538.00	26,900.00
84	NDSR	40 mm	each	30.00	885.00	26,550.00
85	NDSR	50 mm	each	30.00	1,345.00	40,350.00
	NDSR	Supplying of CPVC Tank Nipple of approved make, conforming to ASTM D 1784 / IS 15778, suitable for hot and cold water applications:				
86	NDSR	15 mm	each	100	54.50	5,450.00
87	NDSR	20 mm	each	150	85.00	12,750.00
88	NDSR	25 mm	each	80	145.00	11,600.00
89	NDSR	32 mm	each	50	152.50	7,625.00
90	NDSR	40 mm	each	50	160.00	8,000.00
91	NDSR	50 mm	each	50	208.75	10,437.50
	NDSR	Supplying of CPVC Bush (Reducer Bush) of approved make, conforming to ASTM D 1784 / IS 15778, suitable for hot and cold water applications.				
92	NDSR	15 × 20 mm	each	150	11.45	1,717.50
93	NDSR	15 × 25 mm	each	150	23.90	3,585.00
94	NDSR	15 × 32mm	each	100	39.90	3,990.00
95	NDSR	20 × 25 mm	each	100	19.50	1,950.00
96	NDSR	20 × 32 mm	each	100	42.00	4,200.00
97	NDSR	25 × 32 mm	each	50	37.45	1,872.50
98	NDSR	25 × 40 mm	each	50	54.05	2,702.50
99	NDSR	32 × 40 mm	each	30	52.50	1,575.00

		Supplying of CPVC Tank connector plain of approved make.				
100	NDSR	15 mm	each	100	65.00	6,500.00
101	NDSR	20 mm	each	100	69.50	6,950.00
102	NDSR	25 mm	each	50	105.50	5,275.00
103	NDSR	32 mm	each	50	176.50	8,825.00
	NDSR	Supplying & providing UPVC pipes of required size, conforming to IS:4985 / ASTM D-1785 for fittings:				
104	NDSR	15 mm	metre	250.00	63.60	15,900.00
105	NDSR	20 mm	metre	250.00	81.60	20,400.00
106	NDSR	25 mm	metre	150.00	125.50	18,825.00
107	NDSR	32 mm	metre	100.00	165.00	16,500.00
108	NDSR	40 mm	metre	100.00	205.00	20,500.00
109	NDSR	50 mm	metre	80.00	268.50	21,480.00
	NDSR	Supplying & providing UPVC plain coupler (socket) of required size, conforming to IS:4985 / ASTM D-2467 for fittings:				
110	NDSR	15 mm	each	100.00	10.00	1,000.00
111	NDSR	20 mm	each	100.00	14.00	1,400.00
112	NDSR	25 mm	each	150.00	23.00	3,450.00
113	NDSR	32 mm	each	100.00	30.30	3,030.00
114	NDSR	40 mm	each	100.00	40.70	4,070.00
115	NDSR	50 mm	each	80.00	75.00	6,000.00
	NDSR	Supplying & providing UPVC reducer coupler (socket) of required size, conforming to ASTM D-2467 / IS:4985 for fittings:				
116	NDSR	20 x 15mm	each	100.00	12.50	1,250.00
117	NDSR	25x 15 mm	each	100.00	18.20	1,820.00
118	NDSR	25 x 20 mm	each	80.00	18.70	1,496.00
119	NDSR	32 x 15 mm	each	80.00	42.00	3,360.00
120	NDSR	32 x 20mm	each	50.00	36.10	1,805.00
121	NDSR	32 x 25mm	each	50.00	40.00	2,000.00
122	NDSR	40 × 32 mm	each	30.00	45.00	1,350.00
123	NDSR	50 × 40 mm	each	30.00	57.00	1,710.00
	NDSR	Supplying & providing UPVC plain elbow of required size, conforming to ASTM D-2467 / IS:4985 for fittings:				
124	NDSR	15 mm	each	250.00	13.00	3,250.00
125	NDSR	20 mm	each	200.00	17.00	3,400.00
126	NDSR	25 mm	each	150.00	31.30	4,695.00
127	NDSR	32 mm	each	100.00	49.10	4,910.00
128	NDSR	40 mm	each	100.00	65.00	6,500.00
129	NDSR	50 mm	each	80.00	108.00	8,640.00

	NDSR	Supplying & providing UPVC plain tee (equal) of required size, conforming to ASTM D-2467 / IS:4985 for fittings:				
130	NDSR	15 mm	each	100.00	14.85	1,485.00
131	NDSR	20 mm	each	100.00	24.30	2,430.00
132	NDSR	25 mm	each	150.00	37.20	5,580.00
133	NDSR	32 mm	each	100.00	52.50	5,250.00
134	NDSR	40 mm	each	100.00	85.50	8,550.00
135	NDSR	50 mm	each	80.00	119.50	9,560.00
	NDSR	Supplying & providing UPVC plain tee (reducing) of required size, conforming to ASTM D-2467 / IS:4985 for fittings:				
136	NDSR	20 x 15mm	each	100.00	24.10	2,410.00
137	NDSR	25x 15 mm	each	100.00	33.60	3,360.00
138	NDSR	25 x 20 mm	each	80.00	39.50	3,160.00
139	NDSR	32 x 15 mm	each	80.00	44.10	3,528.00
140	NDSR	32 x 20mm	each	50.00	51.60	2,580.00
141	NDSR	32 x 25mm	each	50.00	61.00	3,050.00
142	NDSR	40 × 32 mm	each	30.00	80.50	2,415.00
143	NDSR	50 × 40 mm	each	30.00	116.00	3,480.00
	NDSR	Supplying & providing UPVC union of required size, conforming to ASTM D2467 / IS:4985 for fittings.				
145	NDSR	15 mm	each	100.00	27.90	2,790.00
146	NDSR	20 mm	each	100.00	38.50	3,850.00
147	NDSR	25 mm	each	150.00	56.00	8,400.00
148	NDSR	32 mm	each	100.00	83.20	8,320.00
149	NDSR	40 mm	each	100.00	140.00	14,000.00
150	NDSR	50 mm	each	80.00	155.00	12,400.00
	NDSR	Supplying & providing UPVC male brass threaded adapter (MTA) of required size, conforming to ASTM D2467 / IS:4985 for fittings:				
151	NDSR	15 mm	each	100.00	126.00	12,600.00
152	NDSR	20 mm	each	100.00	149.00	14,900.00
153	NDSR	25 mm	each	150.00	234.00	35,100.00
154	NDSR	32 mm	each	100.00	390.00	39,000.00
155	NDSR	40 mm	each	100.00	450.00	45,000.00
156	NDSR	50 mm	each	80.00	732.60	58,608.00
	NDSR	Supplying & providing UPVC female brass threaded adapter (FTA) of required size, conforming to ASTM D2467 / IS:4985 for fittings:				
157	NDSR	15 mm	each	100.00	80.30	8,030.00
158	NDSR	20 mm	each	100.00	119.00	11,900.00
159	NDSR	25 mm	each	150.00	220.10	33,015.00

160	NDSR	32 mm	each	100.00	339.40	33,940.00
161	NDSR	40 mm	each	100.00	403.50	40,350.00
162	NDSR	50 mm	each	80.00	645.00	51,600.00
	NDSR	Supplying & providing UPVC Ball valve of approved quality, suitable for high or low pressure water supply, conforming to IS:15778 / ASTM D2846, complete with jointing to CPVC pipes:				
163	NDSR	15 mm	each	100.00	95.00	9,500.00
164	NDSR	20 mm	each	200.00	118.00	23,600.00
165	NDSR	25 mm	each	80.00	185.00	14,800.00
166	NDSR	32 mm	each	50.00	226.00	11,300.00
167	NDSR	40 mm	each	30.00	325.00	9,750.00
168	NDSR	50 mm	each	30.00	500.50	15,015.00
	NDSR	Supplying UPVC Hex Nipple of approved quality, suitable for high or low pressure water supply, conforming to IS:15778 / ASTM D2846, complete with jointing to CPVC pipes:				
169	NDSR	20 mm	each	100.00	9.00	900.00
170	NDSR	25 mm	each	100.00	11.50	1,150.00
171	NDSR	32 mm	each	80.00	16.50	1,320.00
172	NDSR	40 mm	each	80.00	28.00	2,240.00
173	NDSR	50 mm	each	50.00	45.00	2,250.00
174	NDSR	Supplying & providing CPVC solvent cement adhesive, suitable for jointing CPVC pipes and fittings in hot and cold water supply systems, of approved brand	litre	40.00	1,275.00	51,000.00
175	NDSR	upplying& providing UPVC solvent cement adhesive suitable for jointing UPVC pipes and fittings in cold water plumbing system, of approved brand	litre	30.00	995.00	29,850.00
176	NDSR	upplying& providing UPVC solvent cement adhesive, suitable for jointing PVC pipes and fittings in cold water plumbing system, of approved brand	litre	30.00	590.00	17,700.00
	NDSR	Supplying & providing Polyvinyl Chloride (PVC) pipe of required diameter:				
177	NDSR	65 mm	metre	500.00	142.80	71,400.00
178	NDSR	75 mm	metre	400.00	199.75	79,900.00
179	NDSR	90 mm	metre	150.00	275.00	41,250.00
180	NDSR	110 mm	metre	150.00	385.00	57,750.00
181	NDSR	160 mm	metre	250.00	847.00	211,750.00
182	NDSR	200 mm	metre	250.00	1,285.00	321,250.00
		Supplying and providing PVC socket/coupler of required size for fittings:				

183	NDSR	65 mm	each	150.00	34.00	5,100.00
184	NDSR	75 mm	each	100.00	44.00	4,400.00
185	NDSR	90 mm	each	100.00	75.00	7,500.00
186	NDSR	110 mm	each	80.00	121.00	9,680.00
187	NDSR	160 mm	each	80.00	315.00	25,200.00
188	NDSR	200 mm	each	50.00	640.00	32,000.00
		Supplying and providing PVC plain elbow of required diameter for fittings:				
189	NDSR	65 mm	each	150.00	54.00	8,100.00
190	NDSR	75 mm	each	100.00	84.00	8,400.00
191	NDSR	90 mm	each	100.00	150.00	15,000.00
192	NDSR	110 mm	each	80.00	218.00	17,440.00
193	NDSR	160 mm	each	80.00	546.00	43,680.00
194	NDSR	200 mm	each	50.00	1,300.00	65,000.00
		Supplying and providing PVC plain tee of required diameter for fittings:				
195	NDSR	65 mm	each	150.00	73.00	10,950.00
196	NDSR	75 mm	each	100.00	108.50	10,850.00
197	NDSR	90 mm	each	100.00	175.50	17,550.00
198	NDSR	110 mm	each	80.00	295.00	23,600.00
199	NDSR	160 mm	each	80.00	934.00	74,720.00
200	NDSR	200 mm	each	50.00	1,729.50	86,475.00
		Supplying and providing PVC reducer coupler (socket) of required size for fittings:				
201	NDSR	75 x 65 mm	each	50.00	52.00	2,600.00
202	NDSR	75 x 90 mm	each	50.00	70.25	3,512.25
203	NDSR	110 x 90 mm	each	40.00	116.75	4,670.00
204	NDSR	110 x 75 mm	each	40.00	103.00	4,120.00
205	NDSR	160 x 110 mm	each	30.00	265.00	7,950.00
206	NDSR	200 x 110 mm	each	20.00	485.30	9,706.00
207	NDSR	200 x 160 mm	each	20.00	995.00	19,900.00
		Supplying and providing PVC reducing tee of required size for fittings:				
208	NDSR	75 x 65 mm	each	50.00	145.50	7,275.00
209	NDSR	75 x 90 mm	each	50.00	166.50	8,325.00
210	NDSR	110 x 90 mm	each	40.00	270.75	10,830.00
211	NDSR	110 x 75 mm	each	40.00	246.50	9,860.00
212	NDSR	160 x 110 mm	each	30.00	737.25	22,117.50
213	NDSR	200 x 110 mm	each	20.00	1,129.00	22,580.00
214	NDSR	200 x 160 mm	each	20.00	1,440.00	28,800.00
		Supplying and providing PVC union of required size for fittings:				
215	NDSR	65 mm	each	100.00	221.75	22,175.00
216	NDSR	75 mm	each	100.00	414.75	41,475.00
217	NDSR	90 mm	each	80.00	524.75	41,980.00

218	NDSR	110 mm	each	50.00	619.00	30,950.00
219	NDSR	160 mm	each	30.00	705.00	21,150.00
220	NDSR	200 mm	each	20.00	874.00	17,480.00
		Supplying and providing PVC male threaded adapter (MTA) for fittings:				
221	NDSR	65 mm	each	100.00	42.00	4,200.00
222	NDSR	75 mm	each	100.00	62.75	6,275.00
223	NDSR	90 mm	each	80.00	94.50	7,560.00
224	NDSR	110 mm	each	50.00	131.75	6,587.50
225	NDSR	160 mm	each	30.00	325.00	9,750.00
226	NDSR	200 mm	each	20.00	510.00	10,200.00
		Supplying & Providing Polyvinyl Chloride (PVC) FTA for fittings:				
227	NDSR	65 mm	each	100.00	36.75	3,675.00
228	NDSR	75 mm	each	100.00	53.50	5,350.00
229	NDSR	90 mm	each	80.00	83.50	6,680.00
230	NDSR	110 mm	each	50.00	120.75	6,037.50
231	NDSR	160 mm	each	30.00	302.25	9,067.50
232	NDSR	200 mm	each	20.00	469.75	9,395.00
		Supplying & providing PVC end cap/plug of required size:				
233	NDSR	65 mm	each	100.00	35.00	3,500.00
234	NDSR	75 mm	each	100.00	53.00	5,300.00
235	NDSR	90 mm	each	80.00	80.00	6,400.00
236	NDSR	110 mm	each	50.00	126.50	6,325.00
237	NDSR	160 mm	each	30.00	221.00	6,630.00
238	NDSR	200 mm	each	20.00	433.20	8,664.00
		Supplying & providing PVC ball valve of approved quality,:				
239	NDSR	65 mm	each	75.00	634.50	47,587.50
240	NDSR	75 mm	each	75.00	1,056.75	79,256.25
241	NDSR	90 mm	each	80.00	2,359.00	188,720.00
242	NDSR	110 mm	each	50.00	4,500.75	225,037.50
		Supplying of GI Elbow (Galvanized Iron, screwed, threaded, of approved make, conforming to IS:1879				
243	NDSR	15 mm	each	100.00	37.50	3,750.00
244	NDSR	20 mm	each	100.00	68.06	6,806.00
245	NDSR	25mm	each	80.00	92.60	7,408.00
246	NDSR	32mm	each	50.00	150.00	7,500.00
247	NDSR	40mm	each	50.00	189.50	9,475.00
248	NDSR	50 mm	each	30.00	360.00	10,800.00
249	NDSR	80 mm	each	20.00	578.50	11,570.00

		Supplying of G.I. Socket (Galvanized Iron, screwed, threaded, of approved make, conforming to IS:1879, complete as per specification.				
250	NDSR	15 mm	each	100.00	33.62	3,362.00
251	NDSR	20 mm	each	100.00	58.22	5,822.00
252	NDSR	25 mm	each	80.00	80.36	6,428.80
253	NDSR	32 mm	each	50.00	113.30	5,665.00
254	NDSR	40mm	each	50.00	145.00	7,250.00
255	NDSR	50 mm	each	30.00	215.70	6,471.00
256	NDSR	80 mm	each	20.00	482.16	9,643.20
		Supplying of ISI marked G.I. tees (conforming to IS:1879) of required diameter, complete as per specification.				
257	NDSR	15 mm	each	100.00	57.40	5,740.00
258	NDSR	20 mm	each	100.00	91.02	9,102.00
259	NDSR	25 mm	each	80.00	127.10	10,168.00
260	NDSR	32 mm	each	50.00	215.50	10,775.00
261	NDSR	40mm	each	50.00	280.44	14,022.00
262	NDSR	50 mm	each	30.00	462.50	13,875.00
263	NDSR	80 mm	each	20.00	1,020.00	20,400.00
		Supplying of ISI marked G.I. (conforming to IS:1879) nipples of required diameter, complete as per specification and direction of Engineer in Charge				
264	NDSR	15 mm	each	100.00	36.50	3,650.00
265	NDSR	20 mm	each	100.00	55.00	5,500.00
266	NDSR	25 mm	each	80.00	90.75	7,260.00
267	NDSR	32 mm	each	50.00	153.75	7,687.50
268	NDSR	40mm	each	50.00	183.50	9,175.00
269	NDSR	50 mm	each	30.00	300.50	9,015.00
270	NDSR	80 mm	each	20.00	603.00	12,060.00
		Supplying of ISI marked G.I. (conforming to IS:1879) plug of required diameter, complete as per specification and direction of Engineer in Charge				
271	NDSR	15 mm	each	50.00	18.50	925.00
272	NDSR	20 mm	each	50.00	23.75	1,187.50
273	NDSR	25 mm	each	50.00	35.50	1,775.00
274	NDSR	32 mm	each	40.00	60.00	2,400.00
275	NDSR	40mm	each	50.00	87.50	4,375.00
276	NDSR	50 mm	each	20.00	133.50	2,670.00
277	NDSR	80 mm	each	12.00	225.50	2,706.00
278	NDSR	Supplying of Cistern Ball Cock with float and arm, of approved make, conforming to IS:1703, suitable for installation in water storage tanks / flushing cisterns, complete as per specification.	each	100.00	275.00	27,500.00

279	NDSR	Supplying of Brass Hex Nipple, ½" (15 mm) male threaded × ½" (15 mm) male threaded, screwed type, with hexagonal centre for tightening, of approved quality and make, suitable for connecting two female threaded fittings / used as extension piece in water supply works.	each	200.00	140.00	28,000.00
280	NDSR	Brass Pillar Cock 15mm	each	100.00	535.00	53,500.00
281	NDSR	Pvc Washer	each	100.00	8.00	800.00
282	NDSR	G.I Pipe 100mm Dia	mtr	100.00	975.00	97,500.00
283	NDSR	Brass Phase 15mm	each	50.00	75.00	3,750.00
284	NDSR	Brass Phase 20mm	each	50.00	148.00	7,400.00
285	NDSR	Brass Phase 25mm	each	50.00	262.00	13,100.00
286	NDSR	Pvc Saddle 20mm	each	100.00	9.00	900.00
287	NDSR	Pvc Saddle 25mm	each	100.00	12.50	1,250.00
288	NDSR	Urinal Sensor Battery	each	50.00	475.00	23,750.00
289	NDSR	Double Flush Pvc Cistern Cyphon Set	each	20.00	1,200.00	24,000.00
290	NDSR	Araldite	Kg	20.00	955.00	19,100.00
291	NDSR	M-Seal	kg	10.00	390.00	3,900.00
292	NDSR	Providing self-adhesive Glass Film of shade (frosted/ tinted/ reflective/ decorative as required) on glass surface	Sqm	50.00	800.00	40,000.00
293	NDSR	Bright / Matt finished Stainless Steel Handle of size 300 mm, made from SS 304 grade tubular section	each	100.00	1,050.00	105,000.00
294	NDSR	Bright / Matt finished Stainless Steel Handle of size 600 mm, made from SS 304 grade tubular section	each	30.00	1,500.00	45,000.00
295	NDSR	Bright / Matt finished Stainless Steel Handle of size 1200 mm, made from SS 304 grade tubular section	each	40.00	4,600.00	184,000.00
296	NDSR	Supplying 2.0 mm thick antibacterial, antifungal, homogeneous vinyl flooring of approved make, shade and pattern	Sqm	250.00	1,800.00	450,000.00
297	NDSR	Supplying 1.0 mm thick antibacterial, antifungal, washable vinyl wall covering of approved make, shade and pattern.	Sqm	250.00	1,600.00	400,000.00
298	NDSR	Bio Culture	Ltr	400.00	600.00	240,000.00
299	NDSR	Sodium Hypochlorite solution	Ltr	80.00	38.00	3,040.00
300	NDSR	Poly electrolyte	Ltr	80.00	275.00	22,000.00
301	NDSR	Brine Salt	Ltr	500.00	10.00	5,000.00
302	NDSR	Chlorine Tablet (Solid Chlorine)	Kg	250.00	450.00	112,500.00
			Sub Total in Rs.			6,412,018.05
			Add Cartage			-
		WC	Total			6,412,018.05
		P=(WCx15%)	Add Contractor Profit@ 15%			961,802.71
		Q=WC+P	TOTAL AMOUNT			7,373,820.76
		R=Qx1%	Add LabourCess @ 1%			73,738.21
		S=Q+R	Total			7,447,558.97

		$T = S \times 18\%$	Add GST @18 %	1,340,560.61
		$U = (S + T)$	GRAND TOTAL	8,788,119.58

ESIC MCH Faridabad ARM NIT

<u>CIVIL WORK Wholesome items (Providing & Fixing)</u>						
Sr. no.	DSR 2023 Code	Description of Items	Unit	Qty.	Unit Rate (in Rs)	Amount (in Rs)
1	1.1.18	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.	cum	100.00	494.10	49,410.00
2	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	100.00	129.85	12,985.00
3	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	300.00	177.50	53,250.00
4	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	100.00	260.30	26,030.00
5	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	200.00	215.60	43,120.00

6	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	200.00	352.15	70,430.00
7	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	150.00	196.00	29,400.00
8	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	4,000.00	17.60	70,400.00
9	2.32	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	sqm	4,000.00	8.95	35,800.00
10	2.34	Supplying chemical emulsion in sealed containers including delivery as specified. 2.34.1 Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	Litre	200.00	234.75	46,950.00
11	2.35.5	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Treatment at points of contact of wood work by chemical emulsion Chlorpyriphos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same	Metre	2,000.00	279.70	559,400.00
12	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	75.00	7,878.50	590,887.50
13	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	75.00	6,812.00	510,900.00
14	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	cum	50.00	6,189.65	309,482.50

		nominal size).				
15	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	Sqm	300.00	749.30	224,790.00
16	5.1.3	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	75.00	8,583.40	643,755.00
17	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	25.00	11,505.50	287,637.50
18	5.9.2	Centering and shuttering including strutting, propping etc. and removal of form for Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	Sqm	250.00	842.50	210,625.00
19	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	100.00	927.25	92,725.00
20	5.9.7	Centering and shuttering including strutting, propping etc. and removal of form for all heights: Stairs, (excluding landings) except spiral-staircases	sqm	100.00	764.95	76,495.00
21	5.22.6/ 5.22A.6	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	200.00	107.85	21,570.00

22	5.46.1	Providing and fixing of expansion joint system of approved make and manufactures for various roof locations as per approved drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members with, self aligning and self centering arrangement support plates as per ASTM B221-02. The system shall be such that it provides watertight roof to roof/roof to corner joint cover expansion control system that is capable of accommodating multidirectional seismic movement without stress to its components. System shall consist of metal profile that incorporates a universal aluminum base member designed to accommodate various project conditions and roof treatments. The cover plate shall be designed of width and thickness required to satisfy movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. The Joint System shall resist damage or deterioration from the impact of falling ice, exposure to UV, airborne contaminants and occasional foot traffic from maintenance personnel. Provision of Moisture Barrier Membrane in the Joint System to have water tight joint is mandatory requirement. (Material shall confirm to ASTM 6063).				
	5.46.1	Roof Joint of 100 mm gap	metre	100.00	5,985.70	598,570.00

23	5.44	Providing and fixing of expansion joint system related with floor location as per drawings and direction of Engineer-In-Charge. The joints system will be of extruded aluminum base members, self aligning / self centering arrangement and support plates etc. as per ASTM B221-02. The system shall be such that it provides floor to floor /floor to wall expansion control system for various vertical location in load application areas that accommodates multi directional seismic movement without stress to it's components. System shall consist of metal profiles with an universal aluminum base member designed to accommodate various project conditions and finish floor treatments. The cover plate shall be designed of width and thickness required to satisfy projects movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self - centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. Provision of Moisture Barrier Membrane in the Joint System to have watertight joint is mandatory requirement all as per the manufactures design and as approved by Engineer -inCharge. (Material shall conform to ASTM 6063).				
	5.44.1	: Floor Joint of 100 mm gap	metre	75.00	6,392.55	479,441.25
24	5.45	Providing and fixing of expansion joint system related with wall joint (internal/external) location as per drawings and direction of engineer-InCharge. The joints shall be of extruded aluminum base members, self aligning / centering arrangement and support plates as per ASTM B221- 02. The material shall be such that it provides an Expansion Joints System suitable for vertical wall to wall/ wall to corner application, both new and existing construction in office Buildings & complexes with no slipping down tendency amongst the components of the Joint System. The Joint System shall utilize light weight aluminum profiles exhibiting minimal exposed aluminum surfaces mechanically snap locking the multicellular to facilitate movement. (Material shall conform to ASTM 6063).				
	5.45.1	Wall Joint of 100 mm gap	metre	100.00	5,305.65	530,565.00

		Sub-Head :Masonry Work:				
25	6.1.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	100.00	7,370.65	737,065.00
26	6.4.1	Brick work 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 in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	100.00	9,344.35	934,435.00
27	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	200.00	104.80	20,960.00
28	6.45.2	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth upto floor V level.: Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	500.00	1,105.80	552,900.00
		Sub-Head : Cladding Work:				
29	8.3.2	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge: Granite work	meter	500.00	510.95	255,475.00
30	8.6	Mirror polishing on marble work/Granite work/stone work here ever required to give high gloss finish complete.	sqm	1,000.00	506.70	506,700.00
31	8.14.1.5	Stone work (machine cut edges) for wall lining etc. (veneer work) upto 10 metre height, backing filled with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately) : 8.14.1 Red sand stone - exposed face fine dressed with rough backing: 30 mm thick	sqm	50.00	5295.90	264,795.00
32	8.20.1	Providing and fixing dry cladding upto 10 metre heights with 30mm thick gang saw cut stone with (machine cut edges) of uniform colour and size upto 1mx1m, fixed to structural steel frame work and/ or with the help of cramps, pins etc. and sealing the joints with approved weather sealant as per Architectural drawing and direction of Engineer-in-charge. (The steel frame work, stainless steel cramps and pins etc. shall be paid for separately).: Red sand stone - 30mm thick gang saw cut stone	Sqm	200.00	2902.65	580,530.00

33	8.21	Providing and fixing structural steel frame (for dry cladding with 30 mm thick gang saw cut with machine cut edges sand stone) on walls at all heights using M.S. square/ rectangular tube in the required pattern as per architectural drawing, including cost of cutting, bending, welding etc. The frame work shall be fixed to the wall with the help of M.S. brackets/ lugs of angle iron/ flats etc. which shall be welded to the frame and embedded in brick wall with cement concrete block 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) of size 300x230x300 mm, including cost of necessary centring and shuttering and with approved expansion hold fasteners on CC/RCC surface, including drilling necessary holes. Approved cramps/ pins etc. shall be welded to the frame work to support stone cladding, the steel work will be given a priming coat of Zinc primer as approved by Engineer-in-charge and painted with two or more coats of epoxy paint (Shop drawings shall be submitted by the contractor to the Engineer-in-charge for approval before execution). The frame work shall be fixed in true horizontal & vertical lines/planes. (Only structural steel frame work shall be measured for the purpose of payment, stainless steel cramps shall be paid for separately and nothing extra shall be paid)	Kg	200.00	269.95	53,990.00
34	8.22	Providing and fixing adjustable stainless steel cramps of approved quality, required shape and size, adjustable with stainless steel nuts, bolts and washer (total weight not less than 260 gram), for dry stone cladding fixed on frame work at suitable location, including making necessary recesses in stone slab, drilling required holes etc complete as per direction of the Engineer-in-charge.	each	200.00	437.00	87,400.00
35	8.31	Providing and fixing Ist 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	750.00	1,267.95	950,962.50

Sub-Head : Wood and P.V.C. Work						
36	9.1.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia& length (hold fast lugs or dash fastener shall be paid for separately).Second class teak wood	cum	2.00	142,949.70	285,899.40
37	9.16.1.1	Providing and fixing 25 mm thick shutters for cup boardetc. :Panelled or panelled& glazed shutters: Second class teak wood including ISI marked anodisedaluminium butt hinges with necessary screws	Sqm	50.00	4,402.85	220,142.50
38	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	50.00	4,852.30	242,615.00
39	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	200.00	221.10	44,220.00
40	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	200.00	219.10	43,820.00
41	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	200.00	1,308.35	261,670.00
42	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	250.00	897.30	224,325.00

43	9.128	Providing and fixing factory made Fiberglass Reinforced plastics (F.R.P.) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1 nos horizontally 50x2 mm thick M.S. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings . The FRP Chajja should be manufactured using unsaturated Polyester resin as per IS: 6746, duly reinforced with fibre glass chopped strand mat (CSM) as per IS: 11551 complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature, weather & sunlight (Only plan area of chajjas shall be measured for making payment)	Sqm	50.00	5,207.45	260,372.50
44	9.139	Providing and fixing panic bar / latch (Double point) fitted with a single body, Trim Latch & Lock on back side of the Panic Latch of reputed brand and manufacture to be approved by the Engineer- in- charge, all complete.	each	75.00	8,366.15	627,461.25
45	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	100.00	573.45	57,345.00

46	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 mitred cut & joint with the help of PVC solvent cement, self drivenself 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 drivenself 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 Engineerin- charge. Decorative finish (wood grained finish)	sqm	50.00	4,713.05	235,652.50
17	9.161	Providing and fixing fire resistant door frame of section 50 x 60 mm on horizontal side & 35 x 60 mm on vertical sides having built in rebate made out of 1.6 mm thick GI sheet (Zinc coating not less than 120 gm/sqm) suitable for mounting 120 minutes Fire Rated Glazed Door Shutters. The frame shall be filled with mineral wool Insulation having density minimum 96Kg/sqm. The frame will have a provision of G.I. anchor fasteners 14 nos (5 each on vertical style & 4 on horizontal style of size M10 x 80) suitable for fixing in the opening along with factory made template for SS ball bearing hinges of size 100x89x3 mm for fixing of fire rated glazed shutter. The frame shall be finished with an approved fire resistant primer or powder coating of not less than 30 micron in desired shade as per the directions of Engineer - in- Charge. (Cost of SS ball bearing hinges is excluded).	metre	90.00	2,202.90	198,261.00

48	9.162	Providing and fixing 60 mm thick glazed fire resistant door shutters of 120 minutes Fire rating conforming to IS:3614 (Part II) or EN1634-1:1999, tested and certified as per laboratory approved by Engineer-in-Charge, with suitable mounting on door frame, consisting of vertical styles, top rail & side rail 60 mm x 60 mm wide and bottom rail of 110 mm x 60 mm made out of 1.6 mm thick G.I. sheet (zinc coating not less than 120 gm/ sqm) duly filled mineral wool insulation having density minimum 96 kg/ cum and fixing with necessary stainless steel ball bearing hinges of size 100x89x3 mm of approved make, including applying a coat of approved fire resistant primer or powder coating not less than 30 micron etc all complete as per direction of Engineer-in-Charge (panelling to be paid for separately).	sqm	50.00	12,017.90	600,895.00
49	9.173	Providing and fixing ready made 304 grade stainless steel Modular kitchen basket and accessories such as right angle basket (Plain Cup & Saucer, plant, Partition, Bottle rack, Thali, Cutlery) kitchen utensil basket, Dinner set basket, kitchen grain basket, Multipurpose basket as per site requirement including finishing (wherever required) and fittings. The same shall be fixed with necessary stainless steel nuts & bolts, Stainless Steel screws & telescopic channel etc. as per direction of Engineer-in charge. (For payment purpose only weight of Stainless steel basket shall be considered excluding weight of all fixing accessories such as nuts, bolts, fasteners telescopic basket channels etc. Payment of providing and fixing telescopic channel shall be paid separately)	Kg	50.00	533.25	26,662.50
Sub- Head:- Steel Work						
50	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	800.00	133.70	106,960.00
51	10.3	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	sqm	100.00	11,439.60	1,143,960.00

52	10.5.1	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angles 40x40x6 mm for diagonal braces	sqm	20.00	5,804.35	116,087.00
53	10.6.1	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters: 80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm	100.00	3,653.20	365,320.00
54	10.7.	Providing and fixing ball bearing for rolling shutters	each	50.00	492.35	24,617.50
55	10.14.1.1	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: Profile B Fixing with adjustable lugs with split end tail to each jamb	metre	50.00	583.30	29,165.00
56	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.: Hot finished welded type tubes	kg	500.00	194.40	97,200.00
57	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	kg	750.00	123.60	92,700.00

		staircases, including use of chequered plate wherever required, all complete				
58	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	2,000.00	172.60	345,200.00
59	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	500.00	196.80	98,400.00
59 (i)	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	kg	250.00	772.40	193,100.00
60	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	75.00	1,390.15	104,261.25
		Sub- Head:- Flooring Work				
61	11.22.1.1	Tile work in skirting, risers of steps and dado up to 2 m height over 12 mm thick bed of cement mortar 1:3 (1 cement :3 coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm, including pointing in white cement mixed with pigment of matching shade complete.: Marble tiles (polished) Raj Nagar 8 mm thick	sqm	200.00	1,475.35	295,070.00
62	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	500.00	1,948.25	974,125.00

63	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	175.00	2,354.70	412,072.50
64	11.31	Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.	metre	500.00	191.40	95,700.00
65	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	200.00	1,112.70	222,540.00
66	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	250.00	1,553.45	388,362.50
67	11.42	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles and jointing with grey cement slurry @ 3.3 kg/ sqm.	sqm	100.00	850.10	85,010.00
68	11.48.2	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.: Size of Tile 600x600 mm	sqm	250.00	309.05	77,262.50

69	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 colour of Black, Cherry/Ruby Red or equivalent	Sqm	75.00	4,481.30	336,097.50
		Sub- Head:- Roofing Work				
70	12.1.1	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to 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.: 1.00 mm thick with zinc coating not less than 275 gm/m ²	sqm	200.00	1,457.15	291,430.00
71	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	250.00	305.15	76,287.50
72	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	50.00	298.25	14,912.50
73	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	50.00	362.85	18,142.50

74	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	50.00	395.60	19,780.00
75	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	80.00	248.80	19,904.00
76	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	80.00	377.40	30,192.00
77	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	40.00	91.70	3,668.00
78	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	40.00	136.15	5,446.00
79	12.42.2.1	Providing and fixing Single pushfit Coupler 75 mm	each	50.00	93.10	4,655.00
80	12.42.2.2	Providing and fixing Single pushfit Coupler 110 mm	each	50.00	127.60	6,380.00
81	12.42.5.1	Providing and fixing Bend 87.5° 75 mm bend	each	50.00	105.90	5,295.00
82	12.42.5.2	Providing and fixing Bend 87.5° 110 mm bend	each	50.00	150.35	7,517.50
83	12.42.6.1	Providing and fixing Shoe (Plain) 75 mm Shoe	each	50.00	93.10	4,655.00
84	12.42.6.2	Providing and fixing Shoe (Plain) 110 mm Shoe	each	50.00	131.85	6,592.50

85	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	80.00	369.85	29,588.00
86	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	80.00	371.30	29,704.00
87	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	80.00	54.70	4,376.00
88	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,	sqm	750.00	1,355.80	1,016,850.00

		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 primersuitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings,				
89	12.47.2	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 rovigis 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 flat	sqm	250.00	1,245.65	311,412.50
90	12.50.	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	sqm	250.00	738.65	184,662.50

91	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 alvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted	sqm	100.00	1,902.95	190,295.00
92	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.	200.00	1,528.00	305,600.00

93	Sub- Head:- Finishing					
94	13.1.1	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	sqm	300.00	347.05	104,115.00
95	13.1.2	12 mm cement plaster of mix :1:6 (1 cement: 6 fine sand)	sqm	300.00	333.35	100,005.00
96	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	750.00	399.45	299,587.50
97	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	750.00	383.00	287,250.00
98	13.4.1	12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)	sqm	250.00	357.35	89,337.50
99	13.11	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand).	sqm	250.00	518.55	129,637.50
100	13.16.1	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	sqm	200.00	300.45	60,090.00
101	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	sqm	3,000.00	262.70	788,100.00
102	13.3	20 mm cement plaster of mix : 13.3.1 1:4 (1 cement: 4 fine sand)	sqm	400.00	471.35	188,540.00
103	13.37.1	White washing with lime to give an even shade : New work (three or more coats)	sqm	1,000.00	39.05	39,050.00
104	13.41.1	Distempering with 1st quality acrylic distemper (ready mixed) havin VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour ; 13.41.1 new work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre.	sqm	1,000.00	185.65	185,650.00
105	13.44.1	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm	sqm	1,000.00	116.90	116,900.00
106	13.5.1	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement: 4 coarse sand)	sqm	250.00	411.75	102,937.50
107	13.52.1	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On steel work	sqm	800.00	241.75	193,400.00
108	13.6	20 mm cement plaster of mix :13.6.1 1:4 (1 cement: 4 coarse sand)	sqm	100.00	487.40	48,740.00

109	13.8	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix : 13.8.2 1:4 (1 cement: 4 fine sand)	sqm	250.00	477.90	119,475.00
110	13.81.1	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and manufacturer including applying additional coats wherever required to achieve even shade and colour: Old work (one or more coats)	sqm	30,000.00	62.70	1,881,000.00
111	13.83.1	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.: One coat	sqm	6,000.00	95.45	572,700.00
112	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	1,000.00	70.35	70,350.00
113	13.87.1	White washing with lime to give an even shade : Old work (two or more coats)	sqm	3,000.00	22.85	68,550.00
114	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	5,000.00	19.75	98,750.00
115	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	10,000.00	25.15	251,500.00
116	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	500.00	93.30	46,650.00
117	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	650.00	35.50	23,075.00
118	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	325.00	28.20	9,165.00

119	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	325.00	36.20	11,765.00
120	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	325.00	52.25	16,981.25
121	13.97.1	Painting with oil type wood preservative of approved brand and manufacture:Old work (one or more coats)	sqm	500.00	41.20	20,600.00
122	13.98.1	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: One or more coats on old work	sqm	1,500.00	90.85	136,275.00
123	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	3,000.00	102.80	308,400.00
124	13.100.1	Painting with aluminium paint of approved brand and manufacture to give an even shade: One or more coats on old work	sqm	1,500.00	96.00	144,000.00
125	13.102.1	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade : One or more coats on old work	sqm	1,000.00	93.70	93,700.00
126	13.105	Re-lettering with black Japan paint of approved brand and manufacture.	Per letter per cm height	500.00	3.85	1,925.00
127	13.111.1	Finishing walls with Acrylic Smooth exterior paint of required shade : Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	sqm	3,000.00	120.75	362,250.00
128	13.111.2	Finishing walls with Acrylic Smooth exterior paint of required shade : Old work (One or more coat applied @ 0.90 ltr/10 sqm).	Sqm	3,000.00	80.65	241,950.00
129	13.114	Melamine polishing on wood work (one or more coat).	Sqm	750.00	138.10	103,575.00
Sub- Head:- Repairs to Buildings						
131	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	2,500.00	547.40	1,368,500.00

132	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	50.00	1,782.55	89,127.50
133	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	50.00	1,125.15	56,257.50
134	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	50.00	851.00	42,550.00
135	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	50.00	217.10	10,855.00
136	14.4.1	Making the opening in brick masonry including dismantling in floor or walls	sqm	50.00	1,264.35	63,217.50

		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				
137	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	200.00	298.85	59,770.00
138	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	70.00	123.70	8,659.00
139	14.23	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	kilo litre	250.00	231.05	57,762.50
140	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	160.00	120.75	19,320.00
141	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 challies, 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	2,000.00	338.25	676,500.00

142	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.	litre	100,000	0.50	50,000.00
143	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	500.00	108.30	54,150.00
144	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	2,500.00	340.75	851,875.00

145	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.	sqm	6,000.00	422.70	2,536,200.00
146	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	15.00	433.75	6,506.25
147	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	25.00	4,478.75	111,968.75
148	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	30.00	134.10	4,023.00
149	14.83	Hacking of CC flooring including cleaning for surface etc. complete as per direction of the Engineer-in-Charge.	sqm	250.00	3.45	862.50
150	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	650.00	3.25	2,112.50
151	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	30.00	429.10	12,873.00

Sub-Head : Dismantling and Demolishing						
152	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	20.00	1,503.60	30,072.00
153	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	20.00	3,551.25	71,025.00
154	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	20.00	2,060.20	41,204.00
155	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	25.00	367.20	9,180.00
156	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	30.00	502.75	15,082.50
157	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	30.00	143.50	4,305.00
158	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	30.00	188.90	5,667.00
159	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	250.00	5.65	1,412.50
160	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	200.00	73.40	14,680.00
161	15.27	Demolishing mud phaska in terracing and disposal of material within 50 metres lead.	cum	30.00	914.30	27,429.00

162	15.42.1	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metreslead : 75 to 80 mm dia pipe	metre	30.00	75.70	2,271.00
163	15.42.2	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metreslead : 100 mm dia pipe	metre	100.00	78.00	7,800.00
164	15.44.1	Dismantling G.I.pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge : 15 mm to 40 mm nominal bore	metre	100.00	149.80	14,980.00
165	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	100.00	161.40	16,140.00
166	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	50.00	958.75	47,937.50
167	15.52	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	50.00	112.05	5,602.50
168	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	1,000.00	54.65	54,650.00
169	15.57	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	sqm	200.00	56.35	11,270.00

170	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	250.00	263.95	65,987.50
Total of the Sub-Head - Road Work :						
	16.47.2	Painting runway/taxi track/apron marking with adequate nos of coats to give uniform finish with road marking paint of superior make as approved by the Engineer-in-charge, including cleaning the surface of ail dirt, scales, oil, grease and other foreign material etc. and lining out complete.Old work (One or more coats)	sqm	400.00	120.80	48,320.00
171	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	300.00	972.00	291,600.00
172	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 to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C.kerb stone shall be approved by Engineer-in-charge).	cum	30.00	10,117.60	303,528.00

172.i	16.75	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator, vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately)	cum	30.00	9,823.80	294,714.00
173	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	100.00	39.35	3,935.00
174	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	100.00	131.75	13,175.00
Sub-Head : Sanitary Installations						
175	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	25.00	6,258.75	156,468.75
176	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	25.00	1,550.60	38,765.00

177	17.10.2.2	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	25.00	3,873.80	96,845.00
178	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	15.00	5,020.85	75,312.75
179	17.22	Providing and fixing G.I. inlet connection for flush pipe connecting with W.C. pan.	each	25.00	142.85	3,571.25
180	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	50.00	1,151.90	57,595.00
181	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	80.00	1,044.75	83,580.00
182	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	20.00	168.20	3,364.00
183	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	20.00	198.15	3,963.00
184	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	20.00	362.85	7,257.00
185	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	20.00	360.00	7,200.00
186	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	20.00	598.50	11,970.00

187	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	20.00	501.45	10,029.00
188	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	20.00	939.90	18,798.00
189	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	15.00	625.20	9,378.00
190	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	30.00	925.70	27,771.00
191	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	30.00	629.50	18,885.00
192	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	15.00	1,975.15	29,627.25
193	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	20.00	1,558.35	31,167.00
194	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	10.00	14,999.15	149,991.50
Sub-Head : Water Supply						

195	18.7.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 15 mm nominal dia Pipes	metre	50.00	286.80	14,340.00
196	18.7.2	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 20 mm nominal dia Pipes	metre	50.00	335.00	16,750.00
197	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	50.00	401.55	20,077.50
198	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	50.00	518.75	25,937.50

199	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	50.00	702.95	35,147.50
200	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	50.00	497.80	24,890.00
201	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	50.00	537.60	26,880.00
202	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	50.00	627.25	31,362.50

203	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	25.00	580.45	14,511.25
204	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	25.00	635.20	15,880.00
205	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	25.00	322.15	8,053.75
206	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	25.00	368.60	9,215.00
207	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	25.00	467.75	11,693.75
208	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	50.00	540.30	27,015.00
209	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	25.00	617.05	15,426.25
210	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	25.00	762.15	19,053.75
211	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	25.00	1,041.70	26,042.50
212	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	each	10.00	18,896.70	188,967.00

		complete as per standard design : With common burnt clay F.P.S.(non modular) bricks of class designation 7.5				
213	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	5,000.00	11.00	55,000.00
214	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	50.00	315.55	15,777.50
215	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	50.00	332.50	16,625.00
216	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	50.00	365.45	18,272.50
Sub-Head : Drainage						
217	19.1.4	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 250 mm diameter	metre	75.00	1,505.60	112,920.00
218	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	50.00	964.75	48,237.50

219	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :				-
220	19.4.1.1	100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	50.00	2,707.65	135,382.50
221	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				-
222	19.7.1.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	10.00	12,770.55	127,705.50
223	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	100.00	1,386.55	138,655.00
224	19.21	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement and making necessary channels for the drain etc. complete :				
225	19.21.1	For pipes 100 to 250 mm diameter	each	10.00	810.45	8,104.50
226	19.21.2	For pipes 250 to 300 mm diameter	each	10.00	922.40	9,224.00
Sub-Head :Aluminium Work						

227	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	250.00	530.90	132,725.00
228	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	250.00	634.45	158,612.50
229	21.2.1	Providing and fixing 12 mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge. Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	sqm	100.00	1,139.30	113,930.00
230	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 in basic item): With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	100.00	1,505.25	150,525.00

231	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	30.00	2,823.85	84,715.50
232	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	30.00	638.35	19,150.50
233	21.18	Providing and fixing 12mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double acting 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)	Sqm	20.00	5,325.90	106,518.00
Sub-Head : Water Proofing Work						
234	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) (b) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air	sqm	500.00	617.05	308,525.00

		cure for 4 hours followed with water curing for 48 hours.				
235	22.6	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying: (a) (b) (c) (d) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around. fourth and final layer of brick tiling with cement mortar (which will be paid for separately. For the purpose of measurement the entire treated surface will be measured.	sqm	200.00	688.90	137,780.00
236	22.8.1	Providing and laying four courses water proofing treatment with bitumen felt over roofs consisting of first and third courses of blown bitumen 85/25 or 90/15 conforming to IS : 702 applied hot @ 1.45 Kg per square metre of area for each course, second course of roofing felt type 3 grade-I (hessian based self finished bitumen felt) and fourth and final course of stone grit 6 mm and down size or pea sized gravel spread at 6 cubic decimeter per square metre, including preparation of surface but excluding grading complete with : Bitumen felt (hessian base) type 3 grade I conforming to IS : 1322	sqm	500.00	515.05	257,525.00
237	22.14.1	Grading roof for water proofing treatment with 22.14.1 Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	Cum	50.00	8,042.30	402,115.00
238	22.23	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for				

		vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50 mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.				
239	22.23.1	For vertical surface two coats @ 0.70 kg per sqm per coat	sqm	250.00	472.90	118,225.00
240	22.23.2	For horizontal surface one coat @1.10 kg per sqm.	sqm	250.00	362.80	90,700.00
		Sub Total Amount In Rs. (A)				40,980,495.15
		Cost Index @ 3% (B)				1,229,414.85
		Total Amount In Rs. (A+B)= C				42,209,910.00
		As per CPWD Office memorandum 158/SE(TAS)/GST/2024/02-E dated 08.08.2024, the multiplying correction factor @ 0.973 (C x 0.973)				41,070,242.43
		SAY				41,070,242.00

<u>CIVIL WORK (NDSR Providing & Fixing)</u>						
Sr. no.	Head	Description of Items	Unit	Qty	Unit Rate (in Rs)	Amount (in Rs)
1	NDSR	Providing & fixing of 2.0 mm thick antibacterial, antifungal, homogeneous vinyl flooring with even surface of as per the direction of Engineer In-Charge.	Sqm	750.00	2,517.00	1,887,750.00
2	NDSR	Supplying 1.0 mm thick antibacterial, antifungal, washable vinyl wall covering with even surface of as per the direction of Engineer In-Charge.	Sqm	450.00	2,237.00	1,006,650.00
		Total Amount In Rs.				1,887,750.00

<u>HORTICULTURE WORK</u>						
Sr. no.	Reference DSR 2020	Description of Items	Unit	Qty	Unit Rate (in Rs)	Amount (in Rs)
1	303	Cow dung Manure	Cum	1,000.00	50.00	50,000.00
2	10004	Selection No.1 doob grass turf with earth 50mm To 60mm thickness	Sqm	500.00	45.00	22,500.00
3	10005	PVC Hexgonal net (Tuflex or equivalent)	Sqm	500.00	100.00	50,000.00
<i>Total Amount</i>						122,500.00
<i>Add Cartage @1%</i>						-
<i>Total</i>						122,500.00
<i>Add Contractor Profit @15%</i>						18,375.00
<i>TOTAL</i>						140,875.00
<i>LabourCess@ 1%</i>						1,408.75
<i>TOTAL</i>						142,283.75
<i>Add GST (GST included in basic rates),</i>						-
<i>TOTAL (A)</i>						142,283.75
4	10025	Providing of Areca Palm plant, having ht. 1.20 m to 1.50 m with 5 to 6 suckers, well developed, fresh and healthy with lush green foliage in 25 cm size of Earthen pot / Plastic pot.	Each	70.00	165.00	11,550.00
5	10026	Areca palm having ht. 1.50 m to 1.80 m with 6 to 8 suckers, well developed, fresh and healthy with lush green foliage in 25 cm size of Earthen pot / Plastic pot.	Each	70.00	189.00	13,230.00
6	10059	Providing of Livistona palm plant, having ht. 30 cm to 45 cm, well developed with 5 to 6 leaves, fresh & healthy foliage in 25 cm size of Earthen pot /Plastic pot.	Each	70.00	84.00	5,880.00
7	10094	Antirrhinum Hybrid Dwarf variety (3 in one) well developed with fresh & healthy Flower multi branch in full bloom in 25 cm Earthen Pot/Plastic Pot.	Each	500.00	53.00	26,500.00
8	10103	Chrysanthemum double variety, well developed, having 45 to 60 cm ht., with 6 and above flowers with half blooming condition, fresh and healthy with bamboo stacking in 25 cm Earthen Pot.	Each	500.00	116.00	58,000.00
9	10115	Dahlia double kenya variety in different colour well developed with 3 to 4 flowers in half bloom, good foliage stacked with Green painted Bamboo sticks, 45 to 60 cm height in 25 cm Earthen Pot/Plastic Pot.	Each	500.00	84.00	42,000.00
10	10122	Gazania hybrid in different colour well developed with fresh & healthy foliage with full bloom in 25 cm Earthen Pot/Plastic Pot.	Each	500.00	63.00	31,500.00
11	10126	Impatiens in different colour well developed fresh and healthy (3 in one) well bloomed in 25 cm Earthen Pot/Plastic Pot.	Each	500.00	105.00	52,500.00
12	10140	Petunia hybrid different colour single well developed in full bloom in 20 cm Earthen/Plastic Pot.	Each	500.00	42.00	21,000.00

13	10154	Salvia red Hybrid dwarf variety having 15 cm to 25 cm ht., well developed with fresh & healthy foliage in bloom in 20 cm Earthen Pot/Plastic Pot.	Each	500.00	53.00	26,500.00
14	10161	Verbena in different colour having 30 to 45 cm ht., well developed with fresh & healthy foliage in bloom condition in 25 cm Earthen Pot/Plastic Pot.	Each	500.00	63.00	31,500.00
15	10170	Portulaca hybrid in different colour with bloom well developed fresh & healthy in 20 cm Earthen Pot/Plastic Pot.	Each	500.00	84.00	42,000.00
16	10172	Sunflower single well developed 8 to 10 half bloom buds multi branched in fresh & healthy full stacked with green painted bamboo stick stacking in 25 cm Earthen Pot/Plastic Pot.	Each	500.00	63.00	31,500.00
17	10447	Dahlia double	Per Tray	200.00	525.00	105,000.00
18	10382	Hibiscus variegated of height 60-75 cm. with 8-10 branches and healthy variegated foliage in cement pot of size 35 cm.	Each	300.00	180.00	54,000.00
19	10330	Polyalthia longifolia (Ashok) height 180-195 cm. in gunny bag size 30 cm.	Each	500.00	100.00	50,000.00
20	10472	Sunflower Dwarf	Per Tray	500.00	500.00	250,000.00
21	10127	Marigold jaffri dwarf in different colour well developed with fresh & healthy foliage with 12 to 15 flowers in full bloom specimen 23 to 30 cm ht. in 20 cm Earthen Pot/Plastic Pot.	Each	800.00	53.00	42,400.00
22	10179	Providing Plant Creeper Rose variety 3 to 4 healthy branch 60 cm and above ht. well developed with one and above flowers in 25 cm Earthen Pot.	Each	1,000.00	74.00	74,000.00
23	10266	Bottle palm of plants ht. 210-240 cm bottom girth 30-35 cm well developed in big HDPE bags.	Each	100.00	350.00	35,000.00
24	10272	Cassia siamea of plants height 150-165 cm. in big poly bags of plants size 25 cm.	Each	1,000.00	65.00	65,000.00
25	10231	Clerodendron inerme plant of ht. 30 cm to 40 cm multi branched in 25 cm size of Earthen Pot / Plastic Pot.	Each	1,000.00	20.00	20,000.00
26	10347	Supply and stacking of plant Bauhinia tomentosa (yellow) of height 60-75 cm. in earthen pots of size 20 cm.	Each	1,000.00	45.00	45,000.00
Total Amount						1,134,060.00
Labour Cess@ 1%						11,340.60
TOTAL (B)						1,145,400.60
TOTAL (A+B)						1,287,684.35
SAY						1,287,684.00

<u>ELECTRICAL WORK (Supply of material)</u>						
Sl. No.	Reference DSR 2022	Description of Items	Unit	Qty	Unit Rate (in Rs)	DSR Amount (in Rs)
		Providing of ISI marked, FRLS PVC insulated, single core copper conductor cable				
1	1101	1.5 sq. mm	Metre	10,000.00	18.00	180,000.00
2	1102	2.5 sq. mm	Metre	7,000.00	28.00	196,000.00
3	1103	4 sq. mm	Metre	5,000.00	42.00	210,000.00
4	1104	6 sq. mm	Metre	2,000.00	63.00	126,000.00
5	1105	10 sq. mm	Metre	1,000.00	106.00	106,000.00
6	1106	16 sq. mm	Metre	1,000.00	164.00	164,000.00
8	1111	1 pair, 0.5 mm dia annealed copper conductor, FRLS PVC insulated, unarmoured, telephone cable.	Metre	500.00	8.00	4,000.00
9	1112	2 pair, 0.5 mm dia annealed copper conductor, FRLS PVC insulated, unarmoured, telephone cable	Metre	1,500.00	13.00	19,500.00
10	1201	20 mm dia. ISI marked, steel conduit	Metre	600.00	73.00	43,800.00
11	1216	20 mm junction box, one way	Each	600.00	34.00	20,400.00
12	1217	20 mm junction box, two way	Each	500.00	34.00	17,000.00
13	1218	20 mm iron staples/ saddles/ screws	Each	700.00	8.00	5,600.00
14	1219	25 mm iron staples/ saddles/ screws	Each	500.00	10.00	5,000.00
15	1224	20 mm dia. ISI marked, PVC conduit	Metre	800.00	21.00	16,800.00
16	1225	25 mm dia. ISI marked, PVC conduit	Metre	800.00	29.00	23,200.00
17	1227	40 mm dia. ISI marked, PVC conduit	Metre	2,000.00	64.00	128,000.00
18	1229	20mm diaPVC band	Each	1,000.00	8.00	8,000.00
19	1230	25 mm dia PVC band	Each	1,000.00	11.00	11,000.00
20	1232	40 mm dia PVC bend	Each	400.00	28.00	11,200.00
21	1234	20 mm PVC Pipe couplers	Each	100.00	6.00	600.00
22	1235	25 mm PVC Pipe couplers	Each	100.00	7.00	700.00
23	1241	75 mm X 75 mm X 50 mm PVC box	Each	100.00	22.00	2,200.00
24	1300	Modular GI box for 2 module	Each	200.00	33.00	6,600.00
25	1302	Modular GI box for 4 module	Each	150.00	48.00	7,200.00
26	1304	Modular GI box for 8 module	Each	100.00	90.00	9,000.00
27	1305	Modular GI box for 12 module	Each	200.00	114.00	22,800.00
28	1322	3 mm thick phenolic laminated sheet	sq.cm	50,000.00	0.20	10,000.00
29	1401	Ceiling Rose 3pin 5amp	Each	200.00	20.00	4,000.00
30	1402	S.P. 5/6 A, one way modular switch, ISI marked	Each	700.00	34.00	23,800.00
31	1403	S.P. 5/6 A, two way modular switch, ISI marked	Each	500.00	68.00	34,000.00
32	1404	S.P. 15/16 A, one way modular switch, ISI marked	Each	800.00	74.00	59,200.00
33	1405	3 pin 5/6 A modular socket outlet, ISI marked	Each	800.00	63.00	50,400.00

34	1406	6 pin 15/16 A modular socket outlet, ISI marked	Each	1,000.00	105.00	105,000.00
35	1407	Modular bell push, ISI marked	Each	200.00	62.00	12,400.00
36	1408	Stepped type Modular Fan regulator(2 module)	Each	500.00	220.00	110,000.00
37	1409	Telephone Socket outlet modular type	Each	500.00	68.00	34,000.00
38	1410	T.V. Socket outlet modular type	Each	400.00	68.00	27,200.00
39	1411	Modular blanking plate	Each	300.00	16.00	4,800.00
40	1420	Modular base & cover plate for 1 module	Each	500.00	42.00	21,000.00
41	1421	Modular base & cover plate for 2 module	Each	100.00	42.00	4,200.00
42	1423	Modular base & cover plate for 4 module	Each	120.00	61.00	7,320.00
43	1424	Modular base & cover plate for 6 module	Each	100.00	79.00	7,900.00
44	1425	Modular base & cover plate for 8 module	Each	50.00	101.00	5,050.00
45	1431	S.P. 5/6 A, one way switch, piano type ISI marked	Each	1,500.00	10.00	15,000.00
46	1432	S.P. 5/6 A, two way switch, piano type ISI marked	Each	500.00	19.00	9,500.00
47	1433	S.P. 15/16 A, one way switch, piano type ISI marked	Each	1,200.00	48.00	57,600.00
48	1434	3 pin 5/6 A socket outlet, piano type ISI marked	Each	750.00	23.00	17,250.00
49	1435	6 pin 15/16 & 5/6 A socket outlet, piano type ISI marked	Each	800.00	60.00	48,000.00
50	1436	Bell push piano type	Each	100.00	19.00	1,900.00
51	1437	Telephone Socket outlet piano type	Each	100.00	39.00	3,900.00
52	1438	T.V. Socket outlet piano type	Each	200.00	28.00	5,600.00
53	1441	Brass pendant holder	Each	200.00	34.00	6,800.00
54	1442	Brass batten/ angle holder	Each	300.00	38.00	11,400.00
55	1444	Call bell/ buzzer, single phase	Each	300.00	44.00	13,200.00
56	1451	UTP 4 Pair CAT 6 LAN Cable	metre	3,000.00	28.00	84,000.00
57	1452	PVC Batten/ Angle Holder	Each	1,000.00	22.00	22,000.00
59	1601	32 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	Each	50.00	1,443.00	72,150.00
60	1602	63 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	Each	50.00	2,127.00	106,350.00
61	1603	100 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	Each	20.00	4,346.00	86,920.00
62	1610	3 Pole MCCB, 100 A, 16KA IEC CERTIFIED	Each	15.00	2,644.00	39,660.00
63	1611	3 Pole MCCB, 125 A, 16KA IEC CERTIFIED	Each	15.00	3,403.00	51,045.00
64	1622	4 pole MCCB,100 A, 30KA IEC CERTIFIED	Each	20.00	5,623.00	112,460.00
65	1623	4 pole MCCB, 125 A, 36KA IEC	Each	10.00	5,961.00	59,610.00

		CERTIFIED				
66	1625	4 pole MCCB,250A, 36KA IEC CERTIFIED	Each	30.00	12,953.00	388,590.00
67	1627	4 pole MCCB,400A, 50KA, IEC CERTIFIED	Each	10.00	31,928.00	319,280.00
68	1628	4 pole MCCB,630A, 50KA, IEC CERTIFIED	Each	10.00	32,250.00	322,500.00
69	1706	6 amps. to 32 amps. ratings , SP MCB, C-curve,10 KA breaking capacity	Each	250.00	135.00	33,750.00
70	1707	6 amps. to 32 amps. ratings , SPN MCB, C-curve,10 KA breaking capacity	Each	200.00	394.00	78,800.00
71	1708	6 amps. to 32 amps. ratings , DP MCB, C-curve,10 KA breaking capacity	Each	200.00	437.00	87,400.00
72	1709	6 amps. to 32 amps. ratings , TP MCB, C-curve,10 KA breaking capacity	Each	50.00	702.00	35,100.00
73	1710	6 amps. to 32 amps. ratings , TPN MCB, C-curve,10 KA breaking capacity	Each	100.00	869.00	86,900.00
74	1712	40 amps., 2 pole isolator	Each	100.00	270.00	27,000.00
75	1713	63 amps., 2 pole isolator	Each	100.00	340.00	34,000.00
76	1714	40 amps., 4 pole isolator	Each	100.00	616.00	61,600.00
77	1715	63 amps., 4 pole isolator	Each	100.00	664.00	66,400.00
78	1717	25 Amps. rating ,2 pole RCCB, 30mA	Each	25.00	1,458.00	36,450.00
79	1718	40 Amps. rating ,2 pole RCCB, 30mA	Each	25.00	1,922.00	48,050.00
80	1719	63 Amps. rating ,2 pole RCCB, 30mA	Each	50.00	1,982.00	99,100.00
81	1721	40 amps. rating, 4 pole RCCB, 30mA	Each	50.00	2,290.00	114,500.00
82	1722	63 amps. rating, 4 pole RCCB, 30mA	Each	50.00	2,052.00	102,600.00
83	1730	20 amps, SPN, Industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	Each	200.00	680.00	136,000.00
84	1739	8 way, SPN, double door , MCB DB	Each	18.00	1,624.00	29,232.00
85	1740	12 way, SPN, double door , MCB DB	Each	18.00	1,429.00	25,722.00
86	1742	Sheet Steel DP MCB enclosure	Each	230.00	300.00	69,000.00
87	1743	Sheet Steel TPN MCB enclosure	Each	230.00	354.00	81,420.00
88	2133	Brass compression gland for (28 mm) 4 X 16 sq. mm, 1.1 KV grade cable	Set	230.00	75.75	17,422.50
40	2203	Aluminium lugs for 16 sq. mm cable	Each	40.00	3.00	120.00
92	2204	Aluminium lugs for 25 sq. mm cable	Each	40.00	4.13	165.20
93	2205	Aluminium lugs for 35 sq. mm cable	Each	10.00	4.95	49.50
94	2206	Aluminium lugs for 50 sq. mm cable	Each	10.00	7.43	74.30
95	2208	Aluminium lugs for 95 sq. mm cable	Each	10.00	12.38	123.80
96	2210	Aluminium lugs for 150 sq. mm cable	Each	10.00	22.50	225.00
97	2211	Aluminium lugs for 185 sq. mm cable	Each	10.00	27.75	277.50
101	2855	Steel fastener 6 mm X 75 mm	Each	200.00	7.20	1,440.00
102	2857	PVC fastener 40mm long	Each	200.00	0.90	180.00
103	2881	GI saddles 19mm x 0.55mm for conduit	Each	200.00	1.80	360.00

104	2882	GI saddles 25mm x 0.90mm for conduit above 25mm	Each	750.00	1.80	1,350.00
105	2919	G.I. nuts and through bolts with washer	Each	200.00	31.50	6,300.00
106	2924	Clamps, bolts, nuts etc.	Set	100.00	117.00	11,700.00
107	2930	Rubber reel, nut & bolts with washers and safety pin	Set	100.00	67.50	6,750.00
108	2938	Cotton waste, cleaning cloth etc.	KG	50.00	49.50	2,475.00
109	2939	Cleaning materials like soap/ detergent	KG	50.00	54.00	2,700.00
110	2701	MS perforated cable tray painted with powder coating 100 X 50 X 1.6 mm	Metre	50.00	157.50	7,875.00
111	2702	MS perforated cable tray painted with powder coating 150 X 50 X 1.6 mm	Metre	50.00	196.50	9,825.00
112	2703	MS perforated cable tray painted with powder coating 225 X 50 X 1.6 mm	Metre	50.00	255.60	12,780.00
113	2704	MS perforated cable tray painted with powder coating 300 X 50 X 1.6 mm	Metre	50.00	314.50	15,725.00
114	2711	MS perforated cable tray painted with powder coating 600 X 62.5 X 2 mm	Metre	50.00	712.50	35,625.00
115	2713	MS perforated cable tray painted with powder coating 900 X 62.5 X 2 mm	Metre	50.00	1,007.00	50,350.00
116	2717	MS perforated cable tray Connector 100 X 50 X 1.6 mm	Each	20.00	30.00	600.00
117	2718	MS perforated cable tray Connector 150 X 50 X 1.6 mm	Each	20.00	39.00	780.00
118	2719	MS perforated cable tray Connector 225 X 50 X 1.6 mm	Each	20.00	40.00	800.00
119	2720	MS perforated cable tray Connector 300 X 50 X 1.6 mm	Each	20.00	40.00	800.00
120	2727	MS perforated cable tray Connector 600 X 62.5 X 2 mm	Each	20.00	61.00	1,220.00
121	2729	MS perforated cable tray Connector 900 X 62.5 X 2 mm	Each	20.00	71.00	1,420.00
122	DSR 2025	LED Panel light 2x2 ft. (System lumen efficacy $\geq 120 < 135$ lm/Watt)				
123	4246	36 Watt	Each	1,000.00	1,953.00	1,953,000.00
124	DSR 2025	LED Batten light (System lumen efficacy > 135 lm/Watt)				
125	4283	18-22 Watt	Each	500.00	381.00	190,500.00
126	DSR 2025	LED Down lighter (SMD Type) (System lumen efficacy > 135 lm/Watt)				
127	4216	18 Watt	Each	500.00	538.00	269,000.00
128	DSR 2025	LED Street light fixture, powder coated pressure die cast aluminium body (System lumen efficacy > 135 lm/Watt)				
129	4342	90 Watt	Each	100.00	1,850.00	185,000.00
130	DSR 2025	LED Flood Light, powder coated pressure die cast aluminium (System lumen efficacy ≥ 120)				
131	4359	250 Watt	Each	100.00	4,125.00	412,500.00

132	DSR 2025	Brush Less Direct Current (BLDC) Motor Supply of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal(Aluminum alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body Power Factor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, remote (preferably mobile app based) for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Ceiling Fan compliant to IS 374:2019 fan Supply, earthing etc. complete as req.				
133	4398	1200mm, BEE 5 star rating, service value ≥ 6.0 CM/Min/Watt, air delivery 210 CM/Min (Minimum)	Each	50.00	1,533.00	76,650.00
		Total Amount In Rs.				82,48,771.80
		Add Cartage 1%				82,487.72
		Total				83,31,259.52
		Add CPOH @15%				12,49,688.93
		Total				95,80,948.45
		ADD GST @18%				17,24,570.72
		GRAND TOTAL				1,13,05,519.17
		SAY				1,13,05,519.00

ELECTRICAL WORK (NDSR Supply of material)						
Sr.no.	NDSR	Description of Items	Unit	Qty	Unit Rate (in Rs)	NDSR Amt (in Rs)
1	NDSR	Fan Capacitor 2 to 4 MFD	Each	150.00	115.00	17,250.00
2	NDSR	Exhaust Fan Heavy Duty 450 mm	Each	15.00	7,030.00	105,450.00
3	NDSR	Exhaust Fan Heavy Duty 380 mm	Each	15.00	4,600.00	69,000.00
4	NDSR	Exhaust Fan Heavy Duty 300 mm	Each	20.00	4,000.00	80,000.00
5	NDSR	Ventilating Fan Non-metallic 150 mm	Each	5.00	1,940.00	9,700.00
6	NDSR	Ventilating Fan Non-metallic 200 mm	Each	5.00	2,075.00	10,375.00
7	NDSR	Ventilating Fan Non-metallic 250 mm	Each	5.00	2,015.00	10,075.00
8	NDSR	Supply of Wall Fan 300mm sweep	Each	5.00	2,500.00	12,500.00
9	NDSR	Supply of Wall Fan 400 mm sweep	Each	5.00	3,200.00	16,000.00
10	NDSR	Supply of Wall Fan 450 mm sweep	Each	5.00	3,500.00	17,500.00
12	NDSR	Ball Bearing	Each	250.00	50.00	12,500.00
13	NDSR	Bush	Each	250.00	24.00	6,000.00
14	NDSR	combined box 2 module	Each	250.00	166.00	41,500.00
15	NDSR	5A 3pin Plug Top	Each	150.00	94.00	14,100.00
16	NDSR	15A 3pin Plug Top	Each	300.00	129.00	38,700.00
17	NDSR	Bed Switch	Each	300.00	40.00	12,000.00
18	NDSR	PVC insulated Tape 5 Mtr	Each	350.00	12.00	4,200.00
19	NDSR	40amps DP MCB, 10 KA , “C” curve	Each	80.00	850.00	68,000.00
20	NDSR	63 amps FP MCB, 10 KA , “C” curve	Each	100.00	1,500.00	150,000.00
21	NDSR	Supply of 4 way Extension board with 6A sockets	Each	50.00	510.00	25,500.00
22	NDSR	Supply of 4 way Extension board with 16A sockets	Each	50.00	720.00	36,000.00
23	NDSR	Call Bell with wireless Remote	Each	150.00	600.00	90,000.00
24	NDSR	Supply of Modular RJ 45 Cat-6 computer Socket	Each	80.00	213.00	17,040.00
25	NDSR	Fan Regulator Step type piano type Switch size	Each	80.00	255.00	20,400.00
34	NDSR	Supply of single phase digital energy meter	Each	20.00	2,578.00	51,560.00
35	NDSR	Supply of digital energy meter 3 phase 4 wire	Each	10.00	4,798.00	47,980.00
36	NDSR	pole junction Box with clamp of size 150X200 MM (approx.) and 2 nos. Aluminium strip and 1 no. 6 A SP MCB (Sintex Make) PVC or similar foot street light.	Each	50.00	1,278.00	63,900.00
37	NDSR	HRC fuses low voltage DIN type 16-32 A	Each	20.00	65.00	1,300.00
38	NDSR	HRC fuses low voltage DIN type 63 A	Each	20.00	102.00	2,040.00
39	NDSR	HRC fuses low voltage DIN type 100/125 A	Each	20.00	215.00	4,300.00
40	NDSR	HRC fuses low voltage DIN type 250 A	Each	20.00	357.00	7,140.00
41	NDSR	HRC fuses low voltage DIN type 300/320 A	Each	15.00	464.00	6,960.00

42	NDSR	HRC fuses low voltage DIN type 400 A	Each	15.00	888.00	13,320.00
43	NDSR	HRC fuses low voltage DIN type 500 A	Each	20.00	1,008.00	20,160.00
44	NDSR	HRC fuses low voltage DIN type 630 A	Each	20.00	1,790.00	35,800.00
45	NDSR	Aluminium conductor Cable 185 Sq mm 3.5 core - XLPE armoured ISI marked	Meter	80.00	920.00	73,600.00
46	NDSR	Aluminium conductor Cable 95 Sq mm 3.5 core - XLPE armoured ISI marked	Meter	80.00	582.00	46,560.00
47	NDSR	Aluminium conductor Cable 50 Sq mm 3.5 core - XLPE armoured ISI marked	Meter	100.00	452.00	45,200.00
48	NDSR	Aluminium conductor Cable 35 Sq mm 3.5 core - XLPE armoured ISI marked	Meter	100.00	374.00	37,400.00
49	NDSR	Aluminium conductor Cable 25 Sq mm 4 core - XLPE armoured ISI marked	Meter	500.00	348.00	174,000.00
50	NDSR	Aluminium conductor Cable 16 Sq mm 4 core - XLPE armoured ISI marked	Meter	400.00	281.00	112,400.00
51	NDSR	Submersible Copper Cable 3 x 1.5 sqmm	metre	400.00	77.00	30,800.00
52	NDSR	Submersible Copper Cable 3 x 2.5 sqmm	metre	500.00	115.00	57,500.00
53	NDSR	Red Grease for bearings of fan ,motors, pumps etc.	kg	30.00	418.00	12,540.00
54	NDSR	Supply at side 26AH 12 V DC Battery	Each	10.00	4,080.00	40,800.00
55	NDSR	Supply at side 42AH 12 V DC Battery	Each	10.00	4,080.00	40,800.00
56	NDSR	Supply at side 65AH 12 V DC Battery	Each	10.00	4,080.00	40,800.00
57	NDSR	Supply at site 100AH 12V DC Battery	Each	10.00	7,565.00	75,650.00
58	NDSR	Supply at Site 150AH 12V DC Battery	Each	10.00	9,775.00	97,750.00
59	NDSR	Supply at Site 180AH 12V DC Battery	Each	10.00	22,715.00	227,150.00
60	NDSR	thermostat of geyser	Each	50.00	800.00	40,000.00
61	NDSR	thermostat of oven/Grill	Each	50.00	900.00	45,000.00
62	NDSR	heating element of Geyser	Each	60.00	1,500.00	90,000.00
63	NDSR	Supply of 15 ltr water Heater Gyser (model no.)GHWAMJSWG015	Each	20.00	14,050.00	281,000.00
64	NDSR	Supply of 25 ltr water Heater Gyser (model no. GHWAMJSWG025)	Each	25.00	15,750.00	393,750.00
65	NDSR	Supply and installation of CCTV camera with 4k resolution, 4 MP , IP based dome/bullet	Each	1.00	15,953.00	15,953.00
66	NDSR	24 Port L2 network switch (gigabite)	Each	1.00	27,100.00	27,100.00
67	NDSR	Supply and installation of PoE switch 8 chanel	Each	1.00	14,220.00	14,220.00
68	NDSR	NVR 16 Channel	Each	1.00	15,445.00	15,445.00
69	NDSR	22TB HDD surveillance	Each	1.00	56,531.00	56,531.00
70	NDSR	Media convertor (gigabit with SFP port + lan port)	Each	1.00	7,168.00	7,168.00
71	NDSR	Fiber patch card (LC-SC dual pair and duplex)	Each	1.00	1,445.00	1,445.00

72	NDSR	8 port D link giga switch	Each	1.00	2,505.00	2,505.00
73	NDSR	HDMI Cable	Metre	100.00	500.00	50,000.00
75	NDSR	Supply of 25mm Pvc Junction box	Each	100.00	190.00	19,000.00
76	NDSR	Connector terminal 16A	Each	100.00	210.00	21,000.00
77	NDSR	Connector terminal 32A	Each	100.00	266.00	26,600.00
78	NDSR	Connector terminal 65A	Each	100.00	315.00	31,500.00
79	NDSR	25mm pvc batten	metre	100.00	72.00	7,200.00
80	NDSR	Pvc Saddle 20mm	Each	100.00	5.00	500.00
81	NDSR	Pvc Saddle 25mm	Each	100.00	22.00	2,200.00
82	NDSR	Cable tie 200mm	Each	100.00	3.00	300.00
83	NDSR	Cable tie 300mm	Each	100.00	3.00	300.00
86	NDSR	Supplying of Remote Control for Window / Split / Cassette Air-conditioner	Each	10.00	700.00	7,000.00
87	NDSR	Inline Ductable exhaust fan (centrifugal fan) air volume m3/Hr 2140,speed 2700 rpm nose level 76, maximumteprature-60,	Each	15.00	12,000.00	180,000.00
88	NDSR	Warm white garnet COB LED spikelight 7W Light, For Outdoor Lighting, Pure White	Each	200.00	1,200.00	240,000.00
89	NDSR	ISVARA Wall Lights - Up Down Led Lamps - 6W IP65 Aluminium Outdoor Light for Elevation, Garden & Patio Lights (WarmWhite) - Pack of 1 (UP/DOWN-6W)	Each	200.00	1,400.00	280,000.00
90	NDSR	LED Bulkhead 10W	Each	200.00	800.00	160,000.00
91	NDSR	LEGEEN Light 2 Feet Black Waterproof Garden Light Gate Light Bollard Light Pole Light for Gardern, Pathway, EnteryWay, Pole, Pillar, Park, Home Area Bulb Included (59 cm) (Pack of-1)	Each	200.00	1,500.00	300,000.00
92	NDSR	PHILIPS 17W Mirror Light Photon 2ft LED Indoor Wall Light for Home & Decoration Cool White	Each	100.00	350.00	35,000.00
		Total Amount In Rs.				46,01,917.00
		Add Cartage 1%				46,019.17
		Total				46,47,936.17
		Add CPOH 15 %				6,97,190.43
		Total				53,45,126.60
		ADD GST @18%				9,62,122.79
		GRAND TOTAL				63,07,249.38
		SAY				63,07,249.00

ELECTRICAL WORK (Providing & Fixing)						
Sr. no.	Reference DSR 2022 / 2025	Description of Items	Unit	Qty	Unit Rate (in Rs)	DSR Amt (in Rs)
1	1.53	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.				
	1.53.1	1 run of cable	Metre	200.00	57.00	11,400.00
	1.53.2	2 run of cable	Metre	200.00	96.00	19,200.00
2	1.59	Dismantling of ceiling fan and painting the same with one or more coats of spray painting with synthetic enamel paint of approved brand and manufacture to give an even shade, including cleaning of surface with detergent and replacing the damaged rubber reel, nuts and bolts with washers and safety pins, re-installing the same as required.	Each	500.00	261.00	130,500.00
3	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc.as required. (But without MCB/ RCCB/ Isolator)				-
	2.3.1	6 way, Double door	Each	10.00	2,206.00	22,060.00
	2.3.2	8 way, Double door	Each	10.00	2,573.00	25,730.00
	2.3.3	12 way, Double door	Each	10.00	2,315.00	23,150.00
4	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/ Isolator)				-
	2.4.1	4 way (4 + 12), Double door	Each	10.00	4,091.00	40,910.00
	2.4.2	6 way (4 + 18), Double door	Each	10.00	4,974.00	49,740.00
	2.4.3	8 way (4 + 24), Double door	Each	10.00	5,967.00	59,670.00

5	2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				-
	2.10.1	Single pole	Each	100.00	256.00	25,600.00
	2.10.3	Double pole	Each	100.00	656.00	65,600.00
6	5.10	Supplying and laying 25 mm X 5 mm copper strip in 40 mm dia G.I. Pipe from earth electrode including connection with brass nut, bolt, spring washer, excavation and re-filling etc. as required.	metre	20.00	1,551.00	31,020.00
7	5.2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	set	20.00	6,855.00	137,100.00
8	5.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	set	20.00	7,472.00	149,440.00
9	5.6	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required	set	20.00	13,838.00	276,760.00
10	5.11	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	metre	20.00	706.00	14,120.00
11	5.14	Supplying and laying 25 mm X 5 mm copper strip on surface or in recess for connection etc. as required.	metre	20.00	1,162.00	23,240.00
12	5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	metre	50.00	244.00	12,200.00
13	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 / sub-main wiring/ cable as required.	metre	150.00	42.00	6,300.00
14	7.1	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.				
	7.1.1	Upto 35 sq.mm	metre	250.00	387.00	96,750.00
	7.1.2	Above 35 sq.mm and upto 95 sq.mm	metre	150.00	405.00	60,750.00
	7.1.3	Above 95 sqmm and upto 185 sq.mm	metre	100.00	422.00	42,200.00
	7.1.4	Above 185sq.mm and upto 400sq.mm	metre	200.00	474.00	94,800.00
15	7.5	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing RCC/ HUME/ METAL pipe as required.				-
	7.5.1	Upto 35sq.mm	metre	100.00	37.00	3,700.00
	7.5.2	Above 35 sq.mm and upto 95 sq.mm	metre	100.00	57.00	5,700.00
	7.5.3	Above 95 sqmm and upto 185 sq.mm	metre	100.00	77.00	7,700.00
	7.5.4	Above 185sq.mm and upto 400sq.mm	metre	100.00	134.00	13,400.00
16	7.7	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.				-
	7.7.1	Upto 35 sq.mm (clamped with 1mm thick saddle)	metre	250.00	55.00	13,750.00
	7.7.2	Above 35 sq.mm and upto 95 sq.mm(clamped with 25x3mm MS flat camp)	metre	100.00	130.00	13,000.00
	7.7.3	Above 95 sqmm and upto 185 sq.mm(clamped with 25/40x3mm MS flat clamp)	metre	100.00	153.00	15,300.00
	7.7.4	Above 185sq.mm and upto 400sq.mm(clamped with 40x3mm MS flat clamp)	metre	100.00	226.00	22,600.00
17	9.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				-
	9.1.22	3.5 Core x 50 sqmm	Each	30.00	413.00	12,390.00
	9.1.24	3.5 Core x 95 sqmm	Each	30.00	588.00	17,640.00
	9.1.27	3.5 Core x 185 sqmm	Each	30.00	875.00	26,250.00
	9.1.33	4 core x 16 sqmm	Each	40.00	309.00	12,360.00
	9.1.34	4 core x 25 sqmm	Each	40.00	315.00	12,600.00
18	9.4	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				-
	9.4.18	3.5 Core x 35 sqmm	Each	20.00	2,478.00	49,560.00
	9.4.19	3.5 Core x 50 sqmm	Each	20.00	2,478.00	49,560.00
	9.4.20	3.5 Core x 70 sqmm	Each	15.00	3,363.00	50,445.00

	9.4.21	3.5 Core x 95 sqmm	Each	15.00	3,517.00	52,755.00
	9.4.22	3.5 Core x 120 sqmm	Each	15.00	4,538.00	68,070.00
	9.4.23	3.5 Core x 150 sqmm	Each	15.00	4,538.00	68,070.00
	9.4.23	3.5 Core x 185 sqmm	Each	15.00	4,538.00	68,070.00
19	10.4	Supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required :				
	10.4.2	120/150/185 sq mm	Each	15.00	14,968.00	224,520.00
20	10.5	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required :	Each	5.00	18,248.00	91,240.00
	10.5.2	120/150/185 sq mm	Each	5.00	20,100.00	100,500.00
21		Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required.				
	10.6.2	120/150/185 sq mm	Each	3.00	38,083.00	114,249.00
22	10.8	Supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 33 KV grade as required :				-
	10.8.3	240/300 sq mm	Each	2.00	71,644.00	143,288.00
23	10.7	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 33 KV grade as required :				-
	10.7.3	240/300 sq mm	Each	2.00	34,216.00	68,432.00
24	10.9	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 core, XLPE aluminium conductor cable of 33 KV grade as required.				
	10.9.3	240/300 sq mm	Each	2.00	98,622.00	197,244.00

25	16.2	Supplying, laying/ fixing, testing and commissioning of following nominal sizes of chilled water piping inside the building (with necessary clamps, vibration isolators and fittings but excluding valves, strainers, gauges etc.) duly insulated with following closed cell elastometric nitrile rubber of minimum 45 Kg / cu m density, thermal conductivity 0.037 W/MK or better at 20 deg mean temperature class 'O' insulation applied by suitable adhesive complete including repairing of damage to building etc. as per specifications and as required complete in all respect. Note:- The Pipes of sizes 150mm & below shall be M.S. 'C' class as per IS : 1239 and pipes size above 150mm shall be welded black steel pipe heavy class as per IS: 3589, from minimum 6.35mm thick M.S. Sheet for pipes upto 350 mm dia. and from minimum 7mm thick MS sheet for pipes of 400 mm dia and above.				
	16.2.5	200mm dia.(32 mm thick insulation)	Metre	25.00	6,242.00	156,050.00
	16.2.6	150mm dia. (32 mm thick insulation)	Metre	25.00	4,278.00	106,950.00
	16.2.7	125mm dia.(32 mm thick insulation)	Metre	25.00	3,742.00	93,550.00
	16.2.8	100mm dia. (32 mm thick insulation)	Metre	25.00	2,980.00	74,500.00
26	16.7.1	BUTTERFLY VALVE (MANUAL) with C I body SS Disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water/hot eater circulation as specified				-
	16.7.1.1	200 mm dia	Each	10.00	15,661.00	156,610.00
	16.7.1.2	150mm dia.	Each	10.00	8,333.00	83,330.00
	16.7.1.3	125mm dia.	Each	10.00	7,619.00	76,190.00
	16.7.1.4	100mm dia.	Each	10.00	6,640.00	66,400.00
	16.7.1.5	80mm dia.	Each	10.00	4,846.00	48,460.00
27	16.12.1	Supply, installation, balancing and commissioning of factory fabricated GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required.				-
	16.12.1.3	Thickness 1.00 mm sheet	Sqm	200.00	1,381.00	276,200.00
	16.12.1.4	Thickness 1.25 mm sheet	Sqm	200.00	1,836.00	367,200.00

29	8.2	Supply , Installation, Testing and Commissioning of Air Cooled Hi Wall split type Air conditioners complete with Indoor unit(IDU), Out door unit (ODU), surface / concealed copper Refrigerant piping with insulation (closed cell elastomeric nitrile rubber tubular pipe section) upto 3 Mtr (IDU to ODU), copper power cable upto 3.5 Mtr (IDU to ODU) i/c drain pipe R-32/R-410/ R407 Green Refrigerant, wireless Remote control, suitable for working between 180-260V with low & high voltage cutoff and 50 hz ,1 phase AC supply capable of performing cooling, dehumidification, air circulation of following capacity with Scroll / rotary compressor. The system shall be able to deliver 100% of the rated capacity upto 42 Degree Celsius. Min 5 year Original Equipment Manufacturer (OEM) warranty both compressor and Printed Circuit Board (PCB). Must comply : Electrical cable IS 694 or IS 9968 temperature sensing control IS /International Electro technical Commission (IEC) 60730, hermetic compressor IS 10617, heat exchanger IS 11329, capacitor IS 2993 and motor IS 12615. Complete as per CPWD specification and IS : 1391 Part II 2023. The system shall be able to operate up to 50 0C (out door ambient temperature).				
	8.2.3	1.5 TR with 5 Star BEE Rating	Each	10.00	42,055.00	420,550.00
		TOTAL AMOUNT				48,66,623.00

<u>ELECTRICAL WORK (NDSR Providing & Fixing)</u>						
Sr. No.	NDSR	Description of Items	Unit	Qty	Unit Rate (in Rs)	NDSR Amt (in Rs)
1	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.	Each	300.00	754.00	226,200.00
2	NDSR	Rewinding of Wall Fan (Small size) with annealed and insulated Copper Wire with necessary insulating, separators vibration arresting shellac, etc. including replacement of bearing if any transportation to and from the spot to workshop inclusive of removing the re-fixing complete as required.	Each	50.00	685.00	34,250.00
		SH-II Sub-station, Pump, Air-conditioner, Fire system				
3	NDSR	Annual Comprehensive Repair/ Maintenance & Servicing of HT VCBs 11 KV complete with Material with replacement of defective parts & testing etc. Checking/Testing of HT tripping system/Bushing transformers & HT Panels 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 PTs of HT Panels & Testing with M&L, Painting of HT Panels/Transformers with two coats of enamel/ burger paints with M&L, Repairs/ replacement of HT meters, daily checking the moving parts, tightening of nuts and bolts etc. Weekly cleaning of electrical panels with blowers .Maintaining of work to permit boards and danger board on each panel and also submitted testing report of transformer (earth testing and insulation testing).	job / year	10.00	67,432.00	674,320.00

4	NDSR	Dehydration, filtration and testing of transformer oil of 3nos x 1.6 MVA (33/.440KV) and 4 Nos. X 2000 and 2 Nos x 1000 KVA (11/.415 KV) transformers and other existing equipment by portable filtration plant at site including conducting dielectric test recording the results in the presence of ESIC representative. The dehydration will be continued till required results are obtained for transformer/OCB complete as required and also submitted testing report of transformer (earth testing and insulation testing).	litre	10,000.00	33.00	330,000.00
5	NDSR	Supply and filling of new dehydrated Transformer oil in existing equipment at site during dehydration process for topping up etc. complete as required.	litre	350.00	269.00	94,150.00
6	NDSR	Cleaning (Internal & External) & Servicing Repair of Feeder compartments of MCC & Distribution Boards (Monthly) with air blower or vacuum cleaner including LT 120 Nos. Air Circuit Breakers, Replacement of defective MCCB's, Main Switches, HRC Fuses, Voltmeters, Ammeters, P.F Meters & Energy meter of MCC'S & Distribution Boards, Testing & Calibration of Relays on LT MCC, Over load, Master Relays etc.(monthly), Servicing / Repairing / Replacement of damaged / defective parts of ACB's, Replacement of defective / damaged capacitors, LT Cable jointing Kits, Cleaning (External and Internal) of Distribution boards in the office premises and rectification of burnt thimble ,LED indication Lamps, wires, and components (Monthly), Replacement of contactors, fuses indicated lamps and control auxiliaries of capacitor panels, Indicating Instruments / Meters and other small parts inside the panel	job / year	1.00	822,342.00	822,342.00
7	NDSR	Complete overhauling of Electric Motor and Monoblock pump upto 2HP i/c its oiling, greasing and change of packing.	Each	40.00	2,193.00	87,720.00
8	NDSR	Lifting and lowering of submersible pump set and increasing depth of suction pipe if required.	Each	6.00	13,157.00	78,942.00

9	NDSR	Supplying push button operated Direct on line starter with an anti-weld silver cadmium oxide contactor with replacement fixed and moving contact and bimetallic thermal over load relay help in , help in anticorrosion treated sheet steel or iron clad enclosure and fixing the same to suitable capacity wire for 3 phase/ single phase motor upto 5 HP.	Each	20.00	13,157.00	263,140.00
10	NDSR	Repair/Rewinding of Submersible pump sets up to 2 HP Single/Three phase motor with annealed and insulated Copper Wire with necessary insulating, 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.	Each	20.00	4,605.00	92,100.00
11	NDSR	rewinding, repairing & servicing of 5-10 HP motor including shaft fabrication, replacement of motor bearing, mechanical silicon seal and job for disassembling and refitted back & transportation charges.	Each	20.00	9,868.00	197,360.00
12	NDSR	rewinding, repairing & servicing of 10-20 HP motor including shaft fabrication, replacement of motor bearing, mechanical silicon seal and job for disassembling and refitted back & transportation charges. .	Each	20.00	17,543.00	350,860.00
13	NDSR	rewinding, repairing & servicing of 20-30 HP motor including shaft fabrication, replacement of motor bearing, mechanical silicon seal and job for disassembling and refitted back & transportation charges. .	Each	10.00	43,858.00	438,580.00
14	NDSR	rewinding, repairing & servicing of 30-40 HP motor including shaft fabrication, replacement of motor bearing, mechanical silicon seal and job for disassembling and refitted back & transportation charges. .	Each	8.00	52,630.00	421,040.00
15	NDSR	Repair / Rewinding of Submersible pump sets up to 7.5-10 HP Single/Three phase motor with annealed and insulated Copper Wire with necessary insulating, 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.	Each	5.00	32,894.00	164,470.00
16	NDSR	Replacement of heating element of Geyser with capacity of 1.5 KW	Each	60.00	2,631.00	157,860.00
17	NDSR	Replacement of heating element of Geyser with capacity of 2.0 KW	Each	60.00	3,070.00	184,200.00

18	NDSR	Replacement of heating element of Geyser with capacity of 3 KW	Each	60.00	3,509.00	210,540.00
19	NDSR	Supplying, Installation, Testing & commissioning of Compressor of 1.5/2 TR Split / Window type Air-Conditioner including charging of R22 Gas complete as required.	Each	50.00	13,157.00	657,850.00
20	NDSR	Replacement of PCB 1.5/2 TR Split/Window type AC as per satisfaction of Engineer in Charge.	Each	50.00	8,223.00	411,150.00
21	NDSR	Annual Comprehensive Repair and Maintenance of Split type Air Conditioners of 1/1.5/2 TR rating. CAMC includes all maintenance work including Gas charging whenever required, servicing, Motor Repair, relay replacement, Condenser & cooling Coil replacement, PCB repair and any other work required for smooth operation of Ac but excluding replacement of PCB and Compressor	job / year	50.00	1,316.00	65,800.00
22	NDSR	Annual Comprehensive Repair and Maintenance of Window type Air Conditioners of 1/1.5/2 TR rating . CAMC includes all maintenance work including Gas charging whenever required ,servicing, Motor Repair, relay replacement , Condenser & cooling Coil replacement and any other work required for smooth operation of Ac but excluding replacement of PCB and Compressor	job / year	50.00	1,096.00	54,800.00
23	NDSR	Annual Comprehensive Repair/Maintenance of Refrigerator/Deep freezer i/c comprising of replacement of any or all parts of Refrigerator Systems control panels, switches, bulb, cables, wires, copper pipes, drain pipes, Gas Charging ,replacement of relays, timers, thermostat & compressor, checking of current drawn by each refrigerator to known the healthy condition. The comprehensive service would i/c chemical service & wet service etc. as required. Checking Firmness of supporting arrangement for the compressor, blower, motor, air conditioners casing, Painting of the MS portion prone to rusting, Replacement of sheet metal part, front panel, outer wrapper / casing., Replacement of cooling and condenser coil. The filters shall be cleaned on weekly basis and record thereof shall be maintained. The history sheet of servicing/breakdown repairing of each and every unit shall be maintained. The copy of report shall be submitted	job / year	30.00	9,868.00	296,040.00

		along with the bill subsequent to the servicing activity. The cleaning/ minor repair of stabilizers shall be covered under the AMC contract.				
24	NDSR	Supply, Installation, Testing & commissioning of IBR Steam/ PNG/ Oil / Hot Water pipe Seamless Sch 40 complete with bends, sockets, flanges, gasket etc for supplying steam / hot water from boiler etc. complete as required.				
25	a)	15 mm	Metre	100.00	1,096.00	109,600.00
26	b)	20 mm	Metre	100.00	1,316.00	131,600.00
27	c)	25 mm	Metre	100.00	1,754.00	175,400.00
28	d)	32 mm	Metre	60.00	2,193.00	131,580.00
29	e)	40 mm	Metre	60.00	2,741.00	164,460.00
30	f)	50 mm	Metre	60.00	3,289.00	197,340.00
31	NDSR	Supplying, Installation, Testing and Commissioning of CI 'Y' type strainer with fittings for IBR steam pipeline of following sizes complete as required.				
32	a)	25 mm	Each	20.00	4,934.00	98,680.00
33	b)	32 mm	Each	20.00	7,127.00	142,540.00
34	NDSR	Providing of Insulation on Steam/ Hot Water Pipe line with minimum 50 mm thick glass wool of 80 Kg per cubic metre, MS wire net & 26 SWG Aluminum Sheet etc. as required.	Metre	400.00	1,645.00	658,000.00
35	NDSR	Providing and Replacement of ball bearing of ceiling/ exhaust fan and refixing the same at suitable location as required and as per OEM recommendations. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.	Each	20.00	258.00	5,160.00
36	NDSR	Measurement of earth pit resistance and marking the same	Each	10.00	2,209.00	22,090.00
37	NDSR	Octagonal MS Poles made of S-355JO grade steel sheet , folded lengthwise to obtained Octagonal shape, having single longitudinal seam weld and hot dipped galvanised internally & externally in accordance with IS 2629, 6 Mtr	Each	8.00	13,254.00	106,032.00
			TOTAL AMOUNT			82,56,196.00
			SAY			82,56,196.00

<u>Comprehensive Maintenance Contract for Various Services</u>			
S. No.	Specialized Equipment	Annual Amount (in Rs.)	Remarks
1	Comprehensive Maintenance Contract for Transformer 11/0.433 kV in ESS area at ESIC Medical College & Hospital, Faridabad	563,000.00	DSR Vol2 : 3.1.6 Equipment cost (4x2000KVA) = 4 x 40.16 Lakh = 160.64 lakh CAMC = 3.5% of equipment cost (within the limit of 4%) (Useful life = 25 yrs)
2	Comprehensive Maintenance Contract for 02 Nos x 400 KLD STP and 01 Nos x 60 KLD ETP (Hospital & Housing) at ESIC Medical College & Hospital, Faridabad	4,000,000.00	PAR 6.20 Equipment cost = 447.50 Lakh CAMC = 6.5% of equipment cost, upon 4% increment from handing over. (Useful life = Approx. 15 yrs) STP consumable materials have already been considered in the Civil BoQ amounting approx. 5 lakhs
3	Comprehensive Maintenance Contract for 11 KV Panels installed at ESIC Medical College & Hospital, Faridabad	1,100,000.00	PAR 6.2, Total substation cost = Rs.9000/kVA x 8000 kVA = 720 Lakhs minus transformer cost of 160 lakh (sl.no. 1), Difference cost = 560 lakhs CAMC = 2% of equipment cost (within the limit of 4%) (Useful life = 20-25 yrs)
4	Comprehensive Maintenance Contract for Cooling towers for DG sets at ESIC Medical College & Hospital, Faridabad	250,000.00	DSR Vol2 : 10.1.1 & 10.1.3 (05 Nos & 02 Nos respectively) Approx. Equipment cost = 28 lakh CAMC = 6.5% of equipment cost upon 4% increment from handing over. (DG set Useful life = 15 yrs) The cost of consumables like PVC fills, drift eliminators, spray nozzles are extra (not inclusive) in this amount.
Total maintenance charges of Specialised Equipments ("B")		5,913,000.00	
	Add GST 18%	1,064,340.00	
	Total	6,977,340.00	
	Add CPOH 15%	1,046,601.00	
	Grand Total	8,023,941.00	
1. Preventive Maintenance Schedule:			
Agency has to submit a detailed Maintenance report regarding the progress of the preventive maintenance work, including details of any problems encountered and their resolution.			
a. Quaterly:			
Kitchen Equipments			
CCTV System			
02 Nos x 400 KLD STP and 01 Nos x 60 KLD ETP			
Cooling Tower for DG sets			

2. Breakdown Maintenance: Unlimited

Agency has to submit a detailed report with Geo tagged Photos for each breakdown with nature and cause of breakdown, action taken, spares, consumables details as per the requirements of Client.

Any breakdown or failure of any component of the equipment or the equipment as a whole that cannot be restored to its normal working condition through repair activity shall be excluded from the scope.

3. Replacement: If repair is not possible due to any reason what so over/beyond repairable then the defective item/equipment's shall be replaced with the new equipment's and the replacement work shall be carried out as additional work based on the approval by ESIC.

Signature Not Verified

Digitally signed by RITESH KUMAR
Date: 2026.04.18 15:36:22 IST
Location: eProcure-EPROC