

**NOTICE INVITING E-TENDER**

*For*

**ANNUAL REPAIR AND MAINTENANCE OF RESIDENTIAL AND NON-RESIDENTIAL BUILDING (CIVIL AND ELECTRICAL WORK) AT ESI HOSPITAL CHOUDWAR (PACKAGE-1)**

**NIT No.: WAP/ENVT/ESIC-ARMO/ODISHA /2024/Pkg-1/01; dt.19.11.2024**



**WAPCOS Limited**  
**(A Government of India Undertaking)**  
**76-C, Sector -18, Gurgaon- 122 015**  
**Telephone: 0124-2397396**  
**E-mail: esic@wapcos.co.in**

**NOTICE INVITING TENDER (NIT)**

**For**

**Annual Repair and Maintenance of Residential and Non-Residential Building (Civil and Electrical work) at ESI Hospital Choudwar (Package-1)**

Employees State Insurance Corporation (ESIC), has awarded WAPCOS Limited, for providing the Services. WAPCOS Limited (A Govt. of India Undertaking), for and behalf of Regional Director, Employees State Insurance Corporation (ESIC) Regional Office, Bhubaneswar, Odisha - 751024, Online Submission of Technical document, Tender Fees, EMD etc. as detail in Tender Percentage Rate mode from experienced and competent bidders, meeting prescribed qualifying criteria as mentioned in tender document. The contract will be initially for a period of one year. However, the contract may be extended subsequently, on mutual consent for a period of not more than one year at a time (up to a maximum period of two years) on review of performance depending upon the requirements and administrative conveniences of WAPCOS/ESIC on same terms and conditions. Tender is based on percentage basis.

1.	Name of Work:	:	Annual Repair and Maintenance of Residential and Non-Residential Building (Civil and Electrical work) at ESI Hospital Choudwar (Package-1)
2.	Location:		Choudwar ,Odisha
3.	Website for viewing tender/ Corrigendum/ Addendum	:	<a href="https://etenders.gov.in/e procure/app">https://etenders.gov.in/e procure/app</a>
4.	Website for Procurement/ downloading and uploading Tender document/ Corrigendum/ Addendum		<a href="https://etenders.gov.in/e procure/app">https://etenders.gov.in/e procure/app</a>
5.	Estimated Cost of Work	:	<b>Rs. 87,25,869/- (excluding GST)</b> (Rupees Eighty-Seven Lakhs Twenty-Five Thousand Eight Hundred and Sixty-Nine Only)
6.	Tender submission fee	:	Rs.10,000/- (Non-refundable) in form of Demand Draft in favour of WAPCOS Limited payable at Gurgaon/New Delhi
7.	Amount of Earnest Money Deposit	:	<b>Rs.1,74,518/- (One Lakh Seventy-Four Thousand Five Hundred and Eighteen Only)</b>  2% of the estimated cost (Refundable) in the form of RTGS/NEFT/D.D./Banker's cheque/FDR/Insurance Surety Bond in favors of 'WAPCOS Limited' payable at Gurugram, Haryana For online through NEFT/RTGS.

**WAP/ENVT/ESIC-ARMO/ODISHA /2024/Pkg-1/01**

			<b>WAPCOS LIMITED, Indian Overseas Bank</b> <b>A/C NO. 193502000000075</b> <b>IFSC: IOBA0001935</b> <i>The proof of online payment is to be attached with Technical Proposal.</i>
8.	Time Period	:	12 months or as per the requirement of ESIC/WAPCOS Limited the same shall be extend or decreased.
9.	Validity of Bid/Tender	:	90 Days
10.	Pre-bid Meeting	:	NA
11.	Last date & time of Procurement/ download of tender Document	:	29.11.2024 up to 11:00 hours The bidder must officially procure/download the tender documents from the portal of CPPP Portal or WAPCOS before the last date and time of sale of tender document in order to bid.
12.	Last date & time for submission of Technical & Financial Bid.	:	29.11.2024 up to 13:00 hours
13.	Offline Submission of Tender Fees, EMD etc. as detail in Tender	:	<b>29.11.2024 up to 13:00 hours in the office of Chief Executive Director (Envt &amp; CM) WAPCOS Limited, Environment Division, 76-C, Sector -18, Gurgaon- 122 015</b>
14.	Opening of Technical Bid	:	30.11.2024 at 13:30 hours
15.	Opening of Financial Bid	:	Will be intimated to Eligible Bidders
16.	WAPCOS Contact information	:	<b>Chief Executive Director (ENVT &amp; CM), WAPCOS Limited, Environment Division,76-C, Sector -18, Gurgaon- 122 015</b> <b>Telephone: 0124-2397396;</b> <b>E-mail: <a href="mailto:esic@wapcos.co.in">esic@wapcos.co.in</a></b>
17	Deadline for Clarification by the Applicants	:	Queries to be sent through E-mail on <a href="mailto:esic@wapcos.co.in">esic@wapcos.co.in</a> till 25.11.2024 upto 18:00 hours
18	Signing of Contract	:	The Successful tendered will have to execute an agreement in stamp paper worth 0.1% of contract agreed amount in prescribed form.

**If the office of WAPCOS Limited happens to be closed on the last date and time mentioned for any of the event, the said event will take place on the next working day at the same time and venue.**

The tender document has to be downloaded from above specified websites. Bidders are advised to visit above specified websites regularly for updates /Amendments/ Corrigendum, if any. The dates/Corrigendum/Addendum shall be followed up to submission of tender and it will be the part of tender. The full details about the work, specifications, Drawings, terms and conditions shall be available in the Tender Document. The tender document has to be submitted online on website <https://etenders.gov.in/eprocure/app>

## **WAP/ENVT/ESIC-ARMO/ODISHA /2024/Pkg-1/01**

The purpose of this NIT is to provide interested parties with information to assist the preparation of their bid. While WAPCOS Limited has taken due care in the preparation of the information contained herein, and believe it to be complete and accurate, neither it nor any of its authorities or agencies nor any of its respective officers, employees, agents or advisors give any warranty or make any representations, expressed or implied as to the completeness or accuracy of the information contained in this document or any information which may be provided in association with it.

Further, WAPCOS Limited does not claim that the information is exhaustive. Respondents to this NIT are required to make their own inquiries/ surveys and will be required to confirm, in writing, that they have done so and they did not rely solely on the information in NIT. WAPCOS Limited is not responsible if no due diligence is performed by the bidders.

### **IMPORTANT POINTS**

1.1 The bidder should be an Indian Registered Company under Companies Act 1956/ Proprietorship Company/ Partnership Company.

1.2 All Bidders are hereby cautioned that Bids containing any deviation or reservation as described in Clauses of “Instructions to Bidders” shall be considered as non-responsive and shall be summarily rejected.

1.3 WAPCOS Ltd. reserves the right to accept or reject any or all bids without assigning any reasons. No Bidder shall have any cause of action or claim against the WAPCOS Ltd. For rejection of his Bid and will not be bound to accept the lowest or any other tender.

1.4 No reimbursement of cost of any type or on any account will be paid to persons or entities submitting their Bid.

1.5 All information submitted in response to this NIT shall be the property of WAPCOS Limited and it shall be free to use the concept of the same at its will.

1.6 It is hereby declared that WAPCOS is committed to follow the principle of transparency, equity and competitiveness in public procurement. 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 WAPCOS.

1.7 At the first instance the Technical Bids will be evaluated by the Tender Evaluation Committee (TEC) constituted for the purpose by WAPCOS. At the second stage, the financial bids of only those bidders, who qualify in the Technical Bid will be opened by the Committee members. The bid opening committee after evaluation of the Financial bids, will give its specific recommendations regarding the lowest responsive bid, which is to be selected along with a comparative statement duly signed by the members of the bid opening committee.

**Chief Executive Director (ENVT & CM),  
WAPCOS Limited**

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**VOLUME-I**  
**TECHNICAL BID**

**SECTION-I**

**INSTRUCTION TO BIDDERS**

- 1.1 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://etenders.gov.in/eprocure/app> .

**REGISTRATION**

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://etenders.gov.in/eprocure/app> ) by clicking on the link “**Online bidder Enrollment**” on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra 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 take into account 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.

**Note:** *My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.*

## **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.
- 4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise, the uploaded bid will be rejected.

- 5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- 6) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener's 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.
- 2) 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.

**For any assistance regarding the Tender Document and/or term and conditions the bidders may contact Dr. Aman Sharma, Chief Executive Director (CM and Envt) or Mr. Deepender Lamba (Sr. Engineer), WAPCOS Limited, Environment Division, Plot No-76-C, Sector-18, Gurugram: Phone Number: 0124-2397396, 0484-2413544; Email: [esic@wapcos.co.in](mailto:esic@wapcos.co.in) during office hours.**

## **2.0 INSTRUCTION TO BIDDER**

The purpose of these instructions to serve as a guide to Bidders for preparing offer for carrying out the project in all respect.

- a. Submission of a tender by a tenderer implies that the tenderer has read this notice and all other Tender Documents and has made himself aware of the scope, the specifications, conditions of contract, local conditions and other factors having bearings on the execution of the work.
- b. WAPCOS Limited desires that the bidders, suppliers, and Sub-contractors under the Project, observe the highest standard of ethics during the performance, procurement and execution of such contracts. In pursuance of this requirement, WAPCOS Limited:

Defines, for the purposes of this provision, the terms set forth below:

- i. “**Corrupt Practice**” means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;
- ii. “**Fraudulent Practice**” means any act of submission of forged documentation, or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation, or to succeed in a competitive bidding process;
- iii. “**Coercive Practice**” means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
- iv. “**Collusive Practice**” means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party.

Will reject the award of Contract, even at a later stage, if it determines that the bidder recommended/ selected for award/awarded has, directly or through an agent, engaged in Corrupt, Fraudulent, Collusive, Or Coercive Practices incompetent for the Contract;

Will sanction a party or its successors, including declaring ineligible, either indefinitely or for a stated period of time, to participate in any further bidding/procurement proceedings under the Project, if it at any time determines that the party has, directly or through an agent, engaged in Corrupt, Fraudulent, Collusive, Or Coercive Practices in competing for, or in executing, the contract; and

The party may be required to sign an Integrity Pact, if required; and WAPCOS Limited will have the right to require the bidders, or its suppliers, contractors and consultants to permit WAPCOS Limited to inspect their accounts and records and other documents relating to the bid submission and contract performance and to have them audited by auditors appointed by WAPCOS Limited at the cost of the bidders.

The Bidder must obtain for himself on his own responsibility and at his own expenses all the information which may be necessary for the purpose of making a bid and for entering into a contract, must examine the Drawings, must inspect the sites of the work, acquaint himself with all local conditions, means of access to the work, nature of the work and all matters pertaining thereto. WAPCOS Limited will in no case be

responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

- c. The Contract shall be governed by each SECTION OF TENDER DOCUMENT i.e. instructions to bidders, selection & qualifying criteria, scope of works, General Conditions for Contract (GCC), Special Conditions for Contract (SCC), Annexures, Forms, Technical Specification, Addendum / Clarification / Corrigendum etc. and all other Conditions mentioned in the tender documents.
- d. All Bidders are hereby explicitly informed that conditional offers or offers with deviations from the Conditions of Contract, the bids not meeting the minimum eligibility criteria, Technical Bids not accompanied with EMD and Tender Document Fees of requisite amount in acceptable format, Bids in altered/modified formats, or in deviation with any other requirements stipulated in the tender documents are liable to be rejected.
- e. The bidders shall not tamper or modify any part of the tender documents in any manner. In case in part of the bid is found to be tampered or modified at any stage, the bids are liable to be rejected, the contract is liable to be terminated and the full earnest deposit/retention money/performance guarantee will be forfeited and the bidder will be liable to be banned from doing any business with WAPCOS Limited.
- f. Incomplete Price bid shall be liable to be rejected, at the discretion of WAPCOS Limited. The total bid price shall cover the entire scope of works covered in the tender.

### **3.0 EARNEST MONEY DEPOSIT (EMD)**

The Earnest Money Deposit **as mentioned in NIT and shall be submitted** in physical form in favour of WAPCOS Ltd payable at Gurgaon/New Delhi. The earnest money may be accepted only in the form of Demand Draft of a Scheduled Bank.

The EMD of unsuccessful tenderer(s) except lowest three will be refunded after finalization of tender process. WAPCOS Limited shall retain the Earnest Money deposit submitted by the successful tenderer until the Performance Guarantee is submitted. The successful Tenderer shall accept the LOI within 15 days from receipt of the same, failing which the EMD shall be forfeited and the award of work may be liable to be cancelled.

If any tenderer withdraws or make any changes in his offer already submitted before the expiry of the above validity period or any extension thereof without the written consent of the company, the EMD amount will be forfeited for such act of the tendered. WAPCOS Limited reserves the right of forfeiture of Earnest Money deposit (EMD) in case of the successful tenderer.

- ii. After opening of Tender, revokes his tender within the validity period or increases his earlier quoted rates.
- iii. Does not commence the work within the period as per LOI/Contract. In case the LOI/Contract is silent in this regard then within 15 days after award of contract.
- iv. EMD shall not carry any interest.

Failing in submission in required format, bid will be rejected.

#### **4.0 COST OF BIDDING**

The Bidder shall bear all costs associated with the preparation and submission of the Bid as well as costs associated for facilitating the evaluation. WAPCOS Limited shall in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

#### **5.0 LANGUAGE OF BID**

The Bid and all related correspondence and documents relating to the Project shall be in English language only. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate English translation which shall be certified by a qualified translator. Any material that is submitted in a language other than English and which is not accompanied by an accurate English translation will not be considered.

#### **6.0 CURRENCY OF BID**

Bid prices shall be quoted in Indian Rupees. Tender submitted by tenderer shall remain valid for acceptance as mentioned in NIT from the date set for submission of the tender. The tenderer shall not be entitled within the said period to revoke or cancel or vary the tender given or any item thereof, without the consent of WAPCOS Limited. In case tenderer revokes, cancels, or varies his tender in any manner without the consent of WAPCOS Limited, within this period, his earnest money will be forfeited.

#### **7.0 ANNEXURES**

The Bidder follow the guidelines as per “**Section of Annexures**” mentioned in tender document. WAPCOS Limited reserves the right to reject any or all the bids or to cancel the Tender, without assigning any reason(s) whatsoever.

- **The Bill of quantity of tender along with rate and amount is enclosed at Section Financial Proposal Volume-II**
- **The Performa for filling the percentage is given in Microsoft excel sheet. Bidder shall fill the percentage only upto two decimal place in soft format. The bidder will upload same filled percentage quote in soft Microsoft Excel copy during uploading of financial bid.**

**For and on behalf of WAPCOS LIMITED**

**(Sd/-)  
CED (CM & Envt)  
WAPCOS Limited**

**SECTION-II**  
**SELECTION AND QUALIFYING CRITERIA**

**1.0 SITE VISIT**

Intending Bidder(s) have to visit site to inspect and examine the site at his own cost and its surroundings and satisfy themselves before submitting their bids. The form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder(s) 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 bidder(s) shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, 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(s) implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates and other factors having a bearing on the execution of the work.

**2.0 QUALIFYING CRITERIA: TECHNICAL BID SUBMISSION**

The intending bidders must read the terms & conditions of tender documents carefully. He should only submit his Technical Bid if he considers himself eligible and he is in possession of all the documents required.

**The Technical Bid shall be uploaded with coloured scanned copies of following documents. All the documents must be Serial wise as stated below along with check list and clearly marked page no. on each page (MANDATORY).**

**Format of Check List**

<b>S.No.</b>	<b>Particular of Document</b>	<b>Yes</b>	<b>No</b>	<b>Page Nos.</b>
a)	Authorization Letter to sign the Tender on bidder's original letter head or Power of attorney			
b)	Scanned copy of EMD as mentioned in NIT.			
c)	Scanned copy of Demand Draft for Tender Fee			
d)	Letter of Transmittal on bidder letter Head to submit Technical Bid <b>(Form-A)</b>			
e)	Yearly Turnover and Audited Balance Sheet for Last 5 (five) years ending on the financial year 2022-23. <b>(Form-B)</b>			

S.No.	Particular of Document	Yes	No	Page Nos.
	<ul style="list-style-type: none"> <li>• The contractor should not have incurred any loss (profit after tax should be positive) in more than two years during last five years ending 2022-23 duly audited by the Chartered Accountant.</li> <li>• Turnover: Average annual financial turnover should be at least 50% of the estimated cost of work during the last 3 consecutive financial years ending 2022-23. <b>This should be duly audited by the Chartered Accountant doing Statutory Audit and mentioned UDIN Number on that certificate..</b></li> <li>• Net worth of the Company/firm as on 31<sup>st</sup> march of previous Financial Year, should be positive</li> <li>• Audited Full Balance Sheet and Profit &amp; loss Statement of Bidder for last 5 years should be verified by Chartered Accountant and mentioned UDIN</li> </ul>			
f)	<p>The bidder should have a Solvency of an Amount equal to 40% of the estimated cost after the date of publication of tender. <b><u>The Solvency Certificate shall be issued by the bank after the date of publishing of Tender document.</u></b> The solvency certificate should be marked to tender Authority of WAPCOS Limited along with Name of the project <b>(Form C)</b></p>			
g)	<p>The contractor should have satisfactorily completed the works as mentioned below during the last seven years ending previous day of last date of submission of tender. Details should be enclosed <b>(Form D)</b></p>			
	<p>One similar assignment costing not less than 80% of the estimated cost of work put to tender</p> <p align="center">Or</p> <p>Two similar assignments of order value each not less than 50% of the estimated cost of work put to tender.</p> <p align="center">Or</p> <p>Three similar assignments of order value each not less than 40% of the estimated cost of work put to tender</p>			

S.No.	Particular of Document	Yes	No	Page Nos.
<p><b>*Similar work refers to “Annual Repair and maintenance of residential and nonresidential building (Civil and Electrical work) at ESI hospital/Dispensary (Please submit copy of PO/Work order and completion certificate issued by the client).</b></p> <p><b>Note:</b></p> <p>1. Completion certificates and work orders with bill of quantities should be enclosed which clearly indicates the name and nature of work, value of work and time period.</p> <p>2. TDS (26 AS) downloaded from the web matching with the experience certificate should be attached.</p> <p>3. All the eligible similar works executed and submitted by the bidders may be inspected by a committee which may consist of client or any other authority as decided by NIT approving authority.</p> <p>4. Experience certificate issued by the same management/ sister concern/ joint venture etc. are not acceptable.</p>				
h)	Name, Address, details of the Organization, Name(s) of the Owner/Partners/Promoters and Directors of the firm / company. <b>(Form-E)</b>			
i)	The Blacklisting policy of the company is available on the official website of WAPCOS Limited. The bidder have to mandatorily furnish an undertaking addressing the same to Engineer-in-charge in the form of certificate to abide the contents of Blacklisting Policy. The format of undertaking is provided. Any action in violation of the blacklisting policy or to the certificate furnished shall result in cancellation of tender at the stage before or after the award of work. <b>Bidder should submit the declaration (Form-F)</b>			
j)	Letter of understanding the project site on bidder letter Head <b>(Form-G).</b>			
k)	‘No Deviation Certificate’ in prescribed format in Bidder’s Letter Head <b>(Form-H).</b>			
l)	Consent Letter to execute the Integrity Pact along with Rs. 100 stamp paper (Integrity agreement) <b>(Form-I).</b>			



S.No.	Particular of Document	Yes	No	Page Nos.
m)	Goods and Service Tax (GST): Bidders are advised to get themselves registered for GST in at different place, which are mandatory, as per Govt. of India notification regarding GST. Accordingly, bidder shall submit relevant documents if already registered. If not registered till date of submission of bid, bidder will give undertaking on bidder letter head stating that they will get registered in GST as per Govt. norms before submission of bills.			
n)	The bidder should be an Indian Registered Company under Companies Act 1956/ Proprietorship Company/Partnership Company/Limited company private or public or corporation. <b>Joint Ventures/Consortia of firms are not accepted.</b> Copy of Certificate of Incorporation/ Registration/ Partnership Deed or any other relevant document, as applicable, should be submitted along with a copy of address proof.			
p)	Copy of PAN Number, GST registration, Labor Registration, EPF & ESIC registration (copy of registration)			
q)	Each page of the all Volume of Tender document & Addendum/ Corrigendum shall be signed (use scanned signature) by the bidders submitting the Tender in token of his/their having acquainted himself/ themselves and accepted the entire tender documents including various conditions of contract. Any bid with any of the documents not so signed is liable to be rejected at the discretion of WAPCOS Limited. <b>(Do Not Submit with the document of Offline Submission)</b>			
r)	The experience in similar nature of work should be supported by certificates issued by the client's organization.			
s)	Escalation: All rates as per Estimated cost fixed for entire contract period as well as extended period for completion of the works. No escalation shall be applicable on this contract. As manpower			

<b>S.No.</b>	<b>Particular of Document</b>	<b>Yes</b>	<b>No</b>	<b>Page Nos.</b>
	or other works which are not part of this boq shall be carried out as per the requirement of ESIC/WAPCOS Limited			
t)	The Bidder should have valid A class contractor license in composite category or Civil/Electrical from Delhi or registration certificate (CPWD or any government department) and its own support office in Delhi. (Please submit documentary proof of the Establishment)			
u)	Undertaking regarding police Clearance of Employees posted at ESIC Hospitals			
v)	Firm must have valid ISO Certificate			
w)	Affidavit (Undertaking) towards Payment of Minimum Wages to the workers engaged as per applicable order CLC Daily wages and to enhance the rates, as and when it is revised.			
x)	Bidder shall submit the undertaking for understanding regarding that Defect Liability Period shall be one year.			
xi)	Undertaking regarding the Validity of the bid should be 120 days and after the award of work, if he (firm) is not taking over the work than his firm can be blacklisted for 2 years in participating of WAPCOS future tender.			
xii)	Organization Structure Chart			
	<p>**The agency/contractor shall comply to the requirements, stipulations in the codes, standards and regulation Central Electricity authority/ Delhi Norms. (Measurements relating to Safety and Electric Supply) Regulations 2010 with all its amendments up to date.</p> <ul style="list-style-type: none"> <li>• If the bidder fail to submit any of the above document than it is liable to be rejected at the discretion of WAPCOS Limited.</li> <li>• All uploaded tender document should be readable. In case the uploaded tender documents are found not readable even after zoom, the bidder will stand ineligible.</li> </ul> <p>If a tendered quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section/sub-head in percentage rate tender, the tender shall be treated as invalid..</p>			

**Financial Bid should not be included in the Technical Bid. if found so, the bid shall be summarily rejected.**

Technical Bids are to be submitted to determine that the bidder has a full comprehension of the tendered work. Where a bidder is technical submittal is found non - compliant with the requirement or work, it may be rejected. The Financial Bid will be opened only for the agencies whose technical bids are accepted by the competent authority.

### **3.0 OFFLINE SUBMISSIONS OF DOCUMENTS**

The Bidder shall submit following Document offline

**Proposal should be submitted in sealed envelope (Technical bid in on envelope) by 3:00 PM on 29.11.2024 at the following address:**

Dr. Aman Sharma  
Chief Executive Director (Envt & CM)  
WAPCOS Limited  
Environment Division  
76-C, Sector -18,  
Gurgaon -122015

**Email id: [esic@wapcos.co.in](mailto:esic@wapcos.co.in)**

**Signed Tender Documents along with addendum/corrigendum and Originals EMD, Tender submission fee in the form of Demand Draft** in separate sealed envelopes clearly labelled as “EMD AND TENDER FEE” for the Work (Write Name of Work/Project as mentioned in NIT) along with Details of Bidders Address, Phone, E-mail on Envelope.)

***NOTE: The offline submissions as mentioned above shall be submitted on WAPCOS address mentioned in NIT as per date & time mentioned in NIT otherwise bids will be rejected. Also, SFMS system will be used for receiving confirmation of Inward bank Guarantee.***

***Indian Overseas Bank***

***NHB Gurgaon, Branch Code- 1935, IFSC Code- IOBA0001935, beneficiary- WAPCOS Limited***

***Note-2:***

- 1. Financial Bid should not be included in the Technical Bid. if found so, the bid shall be summarily rejected.***
- 2. The offline submissions as mentioned above shall be submitted on WAPCOS address mentioned in NIT as per date & time mentioned in NIT otherwise bids will be rejected. Also, SFMS system will be used for receiving confirmation of Inward bank Guarantee. Indian Overseas Bank NHB Gurgaon, Branch Code- 1935, IFSC Code- IOBA0001935, beneficiary- WAPCOS Limited***
- 3. The proposal shall be in indelible ink and shall be signed by the Bidder or duly authorized person(s).***
- 4. Proposals received by facsimile shall be treated as defective, invalid and rejected.***
- 5. Only detailed proposals complete in all respect and in the forms indicated shall be treated as valid.***
- 6. No Bidder is allowed to modify, substitute or withdraw the Proposal after its submission***
- 7. Proposal shall be submitted in two parts (Technical & Financial). Each page of all parts should be page numbered and in conformance to the eligibility qualifications should be clearly indicated using an index page. The proposals should not contain any irrelevant or superfluous documents***

8. *The bidder who has qualified the minimum qualifying criteria as outlined in NIT, shall be liable for financial opening.*
9. *The bidder with lowest financial bid among those who passed the technical evaluation shall be liable for award of work.*
10. *Evaluation Committee may, at its discretion, call for additional information from the Bidder(s). Such information has to be supplied within the given time frame, otherwise the Evaluation Committee shall make its own reasonable assumptions at the total risk and cost of Bidders and the proposal is likely to be rejected. Seeking clarifications cannot be treated as acceptance of the Proposal.*
11. *After the public opening of Bids, information relating to the examination, clarification, evaluation and comparison of Bids and recommendations concerning the Award of Contract shall not be disclosed to Bidders or other persons not officially concerned with such process.*

### **3.1 CONTENTS OF FINANCIAL BID**

**The Financial Bid should be uploaded separately before last date & time of submission mentioned in the tender document.**

The estimated cost mentioned in NIT is based on the rates of item of works in DSR and Non-DSR items on market rate. The quoted rate filled in Schedule of Quantities should include all associated costs with the project including any out of pocket / mobilization expenses, necessary lead or lift associated with and not specified **excluding GST and other taxes., TDS, if any applicable as per Govt. terms, shall be paid by the Contractor. Rates quoted in the price bid shall be exclusive of GST. GST shall be reimbursed on submission of GST submission proof.**

Deduction of TDS and other deductions on payment made to the contractor shall be applicable as per extant rules.

The payment will be made for actual measurements certified by Engineer in Charge at the accepted rates in the price schedule / Bill of Quantities (BoQ).

### **3.2 OPENING OF FINANCIAL BID**

The financial bids of the approved eligible bidders who are technically qualified shall be opened at the notified date & time mentioned in NIT.

The company reserves the right to waive minor deviations if they do not materially affect the capability of the Tenderer to perform the contract.

### **3.3 AWARD CRITERIA**

After closing of Technical & Financial Bid process, WAPCOS Ltd. will award, the contract to the bidder, whose tender has been determined to be substantially responsive, complete and in accordance with the tender document, and whose total evaluation price for the undertaking the project as detailed in the scope of work is the lowest. If the financial bids of lowest two bidders are equal, then the tender will be treated as cancelled and shall be re-tendered as per the WAPCOS rules.

**For & on behalf of Tenderer**

**(Sd/-)**

**CED (CM & Evt.)**

**WAPCOS Limited**

**Signature of the authorized representative :**  
**Name of the agency :**  
**Name and designation :**  
**Contact Details a) Communication address :**  
**b) E-mail id :**  
**c) Contact Nos. :**

**For & on behalf of Tenderer**

**SECTION- III**  
**GENERAL CONDITIONS TO CONTRACT**

**4.1 Validity of offer**

The offer shall be valid for a period of ninety days from the date of submission.

**4.2 EMD and cost of Tender Document**

Contractor/Agency shall submit an EMD and cost of Tender Document as specified in the Tender Notice by Demand Draft from any Scheduled Bank drawn in favour of WAPCOS LTD payable at Gurgaon/New Delhi. The EMD of unsuccessful tenderers will be re-funded.

**4.3 Rates**

The rates quoted shall include all the taxes (except GST), PF, ESI, etc. All the personnel employed by the Contractor should have PF account and ESI. Necessary proof shall be produced in the office of WAPCOS LTD. Statutory obligations like ESI, Provident Fund, Insurance, Medical expense/claim due to any accidents etc., of the personnel employed by the Contractor/Agency shall be met by the Contractor, and WAPCOS LTD./ESIC shall not be held liable nor responsible for any such defaults. TDS shall be deducted from the Contractor's bills as per rules. **The rates shall be firm for the period from the date of the award of contract till the completion of the works as per agreement and no escalation whatsoever will be allowed during this period.**

**In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as “0”. Therefore, if any cell is left blank and no rate is quoted by the tenderer, rate of such item shall be treated as “0” (ZERO).**

**4.4 Agreement**

The selected agency will have to sign an agreement with WAPCOS Limited as per the format specified in Annexure B.

The agreement is non-exclusive in nature. The agreement shall not restrict WAPCOS/ESIC from contracting for identical or similar services from any other person/party.

**4.5 Duration of agreement:** This agreement shall initially be valid for a period of eleven month the contract from the issuing of letter of award which may be extended for an additional period unless as provided herein revoked earlier for whatever reasons. If at any stage during the tenure of this agreement, it comes to the notice of WAPCOS, directly or through some other complaint, that the agency had misrepresented the facts or submitted any false information or hidden any information, which could have affected the signing of this agreement with the agency, this agreement shall stand terminated immediately upon intimation to the agency. However, the agency shall continue to discharge their responsibilities on the same terms and conditions till the next agency takes over.

**4.6 Restrictions on Transfer agreement:** The agency shall not assign or transfer its right in any manner whatsoever under this agreement to a third party or enter into any agreement for sub-contracting and/or partnership relating to any subject matter of the agreement to any third party

either in whole or in any part i.e. no sub-contracting/partnership/third party shall be created without the prior written consent of WAPCOS/ESIC.

**4.7 Liability:** Except as provided in this Agreement, hereinbefore, WAPCOS shall not be liable to the Agency by virtue of termination of this agreement for any reason whatsoever for any loss or profit or on account for any expenditure, investment, leases, capital improvements or any other commitments made by the other party in connection with their business made in reliance upon or by virtue of this Agreement.

**4.8 Market Rates :** Shall be determined as per various sub-clauses under the clause 6.0 shall be on the basis of Prevailing rates of Material excluding GST (unless mentioned otherwise), Relevant Labour authority rate for Labour (CLC Wages), market rates of T&P etc. plus 15% or approved percentage from ESIC towards Contractors' Profits and Overheads.

The following factors may be considered in the justification of rates on which contractor profit and overhead shall not be applicable:

- Building and other construction workers as applicable in the state of work place.
- EPF (Employer Contribution) component, as per EPF act on the portion of labor's wages.
- GST on works contract.

**4.9 Suspension, Revocation or Termination of agreement**

WAPCOS on behalf of ESIC reserves the right to suspend the operation of this agreement, at any time, due to change in its own license conditions or upon directions from the competent government authorities. In such a situation, WAPCOS/ESIC shall not be responsible for any damage or loss caused or arisen out of aforesaid action. Further, the suspension of the agreement will not be a cause or ground for extension of the period of the agreement and suspension period will be taken as period spent. During this period, no charges shall be payable by WAPCOS/ESIC.

WAPCOS may, without prejudice to any other remedy available for the breach of any conditions of agreement, by a written notice of fifteen days issued to the agency at its registered office, terminate / or suspend this agreement under any of the following circumstances:

- a) The agency failing to perform any obligation(s) under the agreement.
- b) The agency failing to rectify, within the time prescribed, any defect as may be pointed out by WAPCOS/ESIC.
- c) Non-adherence to undertakings which ESIC has committed to consumer.
- d) The agency going into liquidation or ordered to be wound up by competent authority.

If the agency is wound up or goes into liquidation, it shall immediately (and not more than a week) inform about occurrence of such event to WAPCOS in writing. In that case, the written notice period can be reduced by WAPCOS as deemed fit under the circumstances. WAPCOS may also either decide to issue a termination notice or to continue the agreement by suitably modifying the conditions, as it feels fit under the circumstances.

It shall be the responsibility of the agency to maintain the agreed quality of service, even during the period when the notice for surrender/termination of agreement is pending and if the quality of performance is not maintained, during the said notice period, it shall be treated as material breach liable for termination at risk and consequent of agency and Security Deposit shall be forfeited, without any further notice.

Whenever breach of non-fulfillment of agreement conditions may come to the notice of WAPCOS through complaints or as a result of the regular monitoring, wherever considered appropriate WAPCOS may conduct an inquiry either suo-moto or on complaint to determine whether there has been any breach in compliance of the terms and conditions of the agreement by the agency or not. The agency shall extend all reasonable facilities and shall Endeavour to remove the hindrance of every type upon such inquiry.

**4.10 Actions pursuant to Termination of Agreement:** Notwithstanding any other rights and remedies provided elsewhere in the agreement, upon termination of this agreement.

- a) The Agency shall not represent the WAPCOS/ESIC in any of its dealings.
- b) The Agency shall not intentionally or otherwise commit any act(s) as would keep a third party to believe that it is still the WAPCOS/ESIC's service provider.
- c) The expiration or termination of the Agreement for any reason whatsoever shall not affect any obligation of either Party having accrued under the Agreement prior to the expiration or termination of the Agreement and such expiration or termination shall be without prejudice to any liabilities of either Party to the other Party existing at the date of expiration or termination of the Agreement.

#### **4.11 Security Deposit**

The contractor whose tender is accepted will also be required to furnish by way of Security Deposit for the fulfillment of his contract, an amount equal to 2.5% of the tendered value of the work. The Security deposit will be collected by deductions from the running bills as well as final bill of the contractor at the rates mentioned above. WAPCOS Ltd. shall deduct Security Deposit of 2.5%. The Security Deposit will be refunded after satisfactory completion of contract period. Security Deposit shall be released after satisfactory completion of Defect liability period

#### **4.12 PERFORMANCE GUARANTEE**

- i. **The contractor shall submit an irrevocable Performance Guarantee of 3% (Three percent) of the tendered amount** (This guarantee shall be in banker's cheque of any scheduled bank/DD of any scheduled bank/pay order of any scheduled bank (in case bank guarantee is less than Rs.10000/-) or government securities or fixed deposit receipts or bank guarantee of any scheduled bank or in accordance with the prescribed form) in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (not withstanding and/or without prejudice to any other provisions in the contract) within 7 days period from the date of issue of letter of acceptance. This period can be further extended by the Engineer-in-Charge up to a maximum period of 7 days on written request of the contractor stating the reason for delays in procuring the Performance Guarantee, to the satisfaction of the Engineer-in Charge. However, in case last day of submission of PG happens to be a bank holiday the last day of submission shall be the next working day.

**The Performance Guarantee shall be valid up to the stipulated date of completion plus 60 days beyond that and claim period should be one year after the date of validity.** In case the time for completion of work gets enlarged, the contractor shall get the validity of Performance Guarantee extended to cover such enlarged time for completion of work. After recording of the completion certificate for the work by the competent authority, the performance guarantee shall be returned to the contractor, without any interest. However, in



case of contracts involving maintenance of building and services/any other work, then 50% of Performance Guarantee shall be retained as Security Deposit. The same shall be returned year wise proportionately.

- i. The Engineer-in-Charge shall not make a claim under the performance guarantee except for amounts to which WAPCOS is entitled under the contract (not withstanding and/or without prejudice to any other provisions in the contract agreement) in the event of:
  - a. Failure by the contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer-in-Charge may claim the full amount of the Performance Guarantee.
  - b. Failure by the contractor to pay WAPCOS any amount due, either as agreed by the contractor or determined under any of the Clauses/Conditions of the agreement, within 30 days of the service of notice to this effect by Engineer-in-Charge.
- ii. In the event of the contract being determined or rescinded under provision of any of the Clause/Condition of the agreement, the performance guarantee shall stand forfeited in full.
- iii. The Performance Guarantee shall be returned to the Contractor soon after the completion of works and issuance of the completion certificate.

#### **4.13 RECOVERY OF SECURITY DEPOSIT**

The person/persons whose tender(s) may be accepted (hereinafter called the contractor) shall permit WAPCOS at the time of making any payment to him for work done under the contract to deduct a sum at the rate of 2.5% of the gross amount of each running and final bill till the sum deducted will amount to security deposit of 2.5% of the tendered value of the work. Such deductions will be made and held by WAPCOS by way of Security Deposit unless he/they has/have deposited the amount of Security at the rate mentioned above in the form of Government Securities or fixed deposit receipts. In case a fixed deposit receipt of any Bank is furnished by the contractor to the WAPCOS as part of the security deposit and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the WAPCOS to make good the deficit.

All compensations or the other sums of money payable by the contractor under the terms of this contract may be deducted from, or paid by the sale of a sufficient part of his security deposit or from the interest arising therefrom, or from any sums which may be due to or may become due to the contractor by WAPCOS on any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deductions or sale as aforesaid, the contractor shall within 10 days make good in fixed deposit receipt tendered by the State Bank of India or by Scheduled Banks endorsed in favour of WAPCOS LIMITED, any sum or sums which may have been deducted from, or raised by sale of his security deposit or any part thereof. The security deposit shall be collected from the running bills and the final bill of the contractor at the rates mentioned above.

The security deposit as deducted above can be released against bank guarantee issued by a scheduled bank, on its accumulations to a minimum of Rs. 5 lac subject to the condition that

amount of such bank guarantee, except last one, shall not be less than Rs. 5 lac. Provided further that the validity of bank guarantee including the one given against the earnest money shall be in conformity with provisions contained in clause which shall be extended from time to time depending upon extension of contract granted under provisions of clause

The Security Deposit shall be released after successful completion of Defect Liability Period. The Defect Liability Period shall be applicable for 1 year from the date of completion of work.

#### **4.14 Payment**

The Associate/Sub-consultant/ Sub-Contractor acknowledge that under the present Contract/Agreement/Work Order/Arrangement, WAPCOS is only working as intermediary between (Name of client) being Principle Employer/Client and Associate/Sub-consultant/Sub Contractor. Thus the Association/Sub consultant/Sub Contractor unconditionally acknowledges that the payments under the present Contract/Agreement /Work order/Arrangement shall be made proportionately by WAPCOS only on back to back basis i.e., after 21 days subject to receipt of payment from (Name of Client) being Principal Employer/Client. The Associate/Sub-Consultant/Sub Contractor also unconditionally agree that in the event the payment or part thereof , under the present Contract/Agreement/Work Order/Arrangement is not received from (Name of client) (Principal Employer/Client), then WAPCOS &/or any of its Employer/Office shall not be responsible to pay any amount to Associate/Sub-Consultant/Sub-Contractor. The said condition shall supersede any and all other conditions of Contract/Agreement/Work Order/Arrangement between the parties.

**The Contractor / Agency shall submit the bills at the end of every month and payment will be made within 30 (thirty) days of receipt of the bill subject to verification of attendance. All the applicable taxes and duties will be deducted from each bill. Along with Bill, Contractor will submit the consumable item sheet duly verified by engineer In charge WAPCOS/ESIC/Satisfactory person. Payment terms will be same as per Work Order received by WAPCOS from ESIC. The copy of the same is attached in NIT.**

- Payment to labour shall be dispersed by the contractor by the 7<sup>th</sup> of every month positively.
- Payment of contractor shall be given by WAPCOS on the basis of proof submission by the contractor for the disbursement of payment to labour minimum wages as per CLC,ESI,EPF etc employed by him.
- All emergent Repair and Maintenance related complaints shall be attended to within 48 hours with concern of WAPCOS/ESIC, failing which a recovery of rs 1000.00 per event per day shall be made from the subsequent payments to the agency and old material / items replaced with new one shall be deposit to ESIC with care and returned certificate should be submit along with subsequent bill.
- In the event of failure to attend the complaint within 03 days ,the authorized officer of WAPCOS will get the work done at the risk and cost of the agency and expenditure incurred will be deducted from the subsequent payment of the agency .
- On submission of consumable item sheet duly verified by engineer In charge WAPCOS/ESIC/Satisfactory person.
- **Contractor will submit monthly bills along with ESI, EPF Proof of manpower and other proofs like diesel register, complaint registers etc.**

**4.15 Penalty for error/variation:** In case any error or variation fraudulent activities of

manpower ,illegal,theft than what was intended for is detected in the work executed by the Agency and such error or variation is the result of negligence or lack of due diligence on the part of the Agency, the consequential damages thereof shall be quantified by WAPCOS/ESIC in a reasonable manner and recovered from the Agency from payments due to them by way of penalty, 0.5 to 1% per week subjected to a maximum of 10% (ten percent) of the fee for the contract value. However, if the Agency submits justification for the variation to the satisfaction of WAPCOS/ESIC, then the penalty shall not be imposed.

#### **4.16 Conveyance**

The Contractor shall provide vehicle for site visit of WAPCOS/ESIC personnel as and when required.

#### **4.17 Insurance for Contractor's personnel**

The Contractor/Agency shall maintain accident insurance (Group) policy for all the personnel employed by him in the Zone. Necessary proof of this shall be produced to WAPCOS LTD./ESIC authorities for verification. Statutory obligations like payment of PF, ESI of the personnel employed shall also be the responsibility of the Contractor/Agency and WAPCOS LTD./ESIC shall not be held responsible for any failure by the Agency on these counts.

#### **4.18 Removal of an employee from duties**

The service provided by each person engaged by the Contractor/Agency shall be satisfactory to WAPCOS LTD./ESIC. If WAPCOS LTD./ESIC intimates the Contractor/Agency regarding misconduct, incapability, delay in discharging duties or non-performance of any personnel employed by the Contractor, he shall be removed from his duties in the ARM work and the Contractor/ Agency shall provide suitable substitutes immediately.

#### **4.19 Assignment**

The rights and obligations arising out of this agreement shall not be assigned or transferred to a third party without prior written consent of either party.

#### **4.20 Completion of tenure**

On completion of the tenure of the agreement, if not renewed, the Contractor/Agency shall handover all the materials belongings to ESIC to WAPCOS LTD. Contractor shall remove all materials belonging to him including the workforce without any delay. However, the Contractor shall continue to discharge their responsibilities till the next Contractor takes over the duty and the Contractor shall train the staff of the new Contractor.

#### **4.21 Force Majeure**

If performance by either party of its duties and obligation under this agreement is prevented or delayed by circumstances of force majeure including, but not limited to fire, flood, earthquakes,

strike, war, riots, insurrection, any action undertaken or restriction imposed by authority of any Government agency of court, shortage of equipment or raw materials or any other act beyond its reasonable control, the time within which the affected party must perform shall be delayed for a period under such circumstances to a maximum of 120 days during which the parties shall use alternate methods, but after which period either party shall have the right to terminate the agreement. Determination of this agreement shall not relieve either party from the payment of the sum or performance of other duties and obligations, which may be owing to the other, as a result of the operation of this agreement prior to such termination.

#### **4.22 Termination**

Notwithstanding anything contained herein, either party to this agreement shall have the right to terminate this contract by giving the other party 30 days notice in writing. If the service of the Contractor/Agency is found to be not satisfactory, the contract will be terminated with one month notice and the Contractor/Agency will not be eligible for any compensation on this account.

#### **4.23 Settlement of Disputes**

Any dispute, controversy or claims arising out of or relating to this agreement or the breach, termination or invalidity thereof, shall be settled through dispute resolution mechanism:

- a) Firstly, the aggrieved party shall write a letter to the other party detailing its grievances and calling upon the other party to amicably resolve the dispute by convening a joint meeting. Accordingly, the parties as per their convenience shall jointly convene the said meetings, wherein minutes of the said meetings shall be prepared and countersigned by the all the parties. It is mandatory to prepare minutes of meetings and to be countersigned by all the parties, irrespective of the outcome of the said meetings.
- b) In the event the parties are unable to reach on any settlement in the said meetings, then the aggrieved party shall mandatory resort to pre-litigation mediation mechanism with the Delhi High Court Mediation Cell, New Delhi.
- c) It is only upon failure of the pre-litigation mediation mechanism with Delhi High Court Mediation Cell, then the aggrieved party shall resort to resolution of disputes through arbitration of a Sole Arbitrator. The appointing authority of Sole Arbitrator is CMD, WAPCOS Limited, to which neither of the parties have any objection nor they shall ever object.
- d) Subject to the parties agreeing otherwise, the arbitration proceedings shall be conducted in accordance with the provisions of the Indian Arbitration and Conciliation Act, 1996 (amended as on date)
- e) It is also acknowledged and accepted that WAPCOS is only working as Intermediary between the Associate/Sub-Consultant/Sub-Contractor and the Principal Employer/Client, thus in the event , any dispute arises under the present agreement and referred to arbitration for adjudication, then subject to corresponding clause in the contract/agreement/work order/agreement between Principal Employer/Client & WAPCOS, Principal Employer/Client shall also be made party to the said arbitration proceedings. Also, the award including costs if any passed against WAPCOS and costs incurred in the proceedings shall be the sole responsibility of Principal Employer/Client. The said clause if found inapplicable, even then the other terms of the arbitration clause shall survive and shall be acted upon.
- f) The place/seat of arbitration shall be Delhi and any award whether interim or final, shall

be made and shall be deemed for all purposes between the parties to be made, in Delhi. The arbitral procedure shall be conducted in English language and any award or awards shall be rendered in English. The procedural law of the arbitration shall be Indian law. The award of the arbitrator shall be final and conclusive and binding upon the Parties.

- g) The contract and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims) shall be governed by and constructed in accordance with the laws of India and the Parties submit to sole & exclusive jurisdiction of courts at Delhi.

#### **4.24 Compensation Clause**

If the Agency is engaged to execute any project based on a separate work order, the WAPCOS shall be entitled to include a clause for liquidated damages as under: Should the agency fails to deliver its responsibilities within the period prescribed and agreed, WAPCOS without prejudice to other remedies available to it, shall be entitled to recover liquidated damages for breach of contract without any necessity to prove the same, a sum equivalent to 0.5% of the value of the work for each week of delay or part thereof for a period up to 10 (Ten) weeks, and thereafter at the rate of 0.7% of the value of the delayed commissioning for each week of delay or part thereof for another 10 weeks of delay. The Agency should acknowledge that the said amount represents reasonable compensation as it is difficult to prove the quantum of damages that will be suffered by WAPCOS/ESIC. The total value of the liquidated damages as per above shall be limited to a maximum of 10% (Tent percent) i.e. LD shall be levied up to 20 weeks only. However, in case of delay due to reasons beyond the control of the Agency, suitable extension of time shall be granted.

Without prejudice to its rights and any other remedy, WAPCOS may en-cash SD in case of any breach of terms and conditions of the agreement or in case of business loss suffered by WAPCOS/ESIC due to failure of service on the part of the agency.

#### **4.25 Confidentiality of Information & Intellectual Property:**

Subject to conditions contained in this Agreement, the agency shall take all necessary steps to safeguard the privacy and confidentiality of any information about WAPCOS/ESIC consumers from whom it has acquired such information by virtue of the service provided and shall use its best endeavors to secure that:

The agency shall take necessary steps to ensure that the agency itself and any person(s) acting on its behalf observe confidentiality of client/consumer information.

The agency shall, prior to commencement of this agreement, confirm in writing to WAPCOS/ESIC that the agency has taken all necessary steps to ensure that it and its employees shall observe confidentiality of customer information.

This clause shall survive the termination or expiry of this Agreement.

Neither party will use the other party's name nor marks, refer to or identify the other party in any advertising or publicity releases or promotional or marketing correspondence to others without such other party's written approval.

#### **4.26 Indemnification**

The agency agrees to protect, defend, indemnify and hold harmless WAPCOS/ESIC and its employees, officers, directors, agents or representatives from and against any and all liabilities, damages, fines, penalties and costs (including legal costs and disbursements) arising from or relating to:

Any breach of the terms and conditions in this agreement by the agency.

The agency shall be fully responsible for the employment and payment of wages to its employees and shall fully comply with all laws, rules, regulations, notifications, directions orders etc. of the Govt. whether Central, State, Local or Municipal relating to such employment, payment of wages etc. and all others matter connected therewith and hereby indemnifies and agrees to continue indemnifying WAPCOS/ESIC in this regard.

The employees of the Agency shall have no right for employment either with the Client during the pendency of the agreement or after, or with the Agency. The personnel employed by the Agency shall at all times be employees of the Agency and all statutory dues to and obligations and liabilities in respect of such employees shall be promptly paid and discharged by it. Notwithstanding their responsibility to comply with any directions or instructions given by the Client, the personnel employed by the Agency will not, for any purposes whatsoever, be treated or deemed to be employees of Client or have any claim or right whatsoever for employment with the Client and the Client will have no obligations or liabilities whatsoever in relation to any of them or in respect of anything done or omitted to be done by any of them

This clause shall survive the termination or expiry of this Agreement.

**4.27 Relationship:** Each party understands that it is an independently owned business entity and this Agreement does not make it, its employees, associates or agents as employees, agents or legal representatives of the other party for any purpose whatsoever. Neither party has express or implied right or authority to assume or to undertake any obligation in respect of or on behalf of or in the name of the Other Party or to bind the Other Party in any manner. In case, any party, its employees, associates or agents hold out as employees, agents, or legal representatives of the other party, the former party shall forthwith upon demand make good any/all loss, cost, damage including consequential loss, suffered by the other party on this account. However, on a written consent from the WAPCOS/ESIC, the agency may represent WAPCOS/ESIC.

#### **4.28 Jurisdiction**

Any dispute connected with this contract shall fall within the jurisdiction of Courts at Delhi.

#### **4.30 CARRYING OUT PART WORK AT RISK & COST OF CONTRACTOR**

If contractor:

- (i) At any time makes default during currency of work or does not execute any part of the work with due diligence and continues to do so even after a notice in writing of 7 days in this respect from the Engineer-in-Charge; or
- (ii) Commits default in complying with any of the terms and conditions of the contract

and does not remedy it or takes effective steps to remedy it within 7 days even after a notice in writing is given in that behalf by the Engineer-in-Charge; or Fails to complete the work(s) or items of work with individual dates of completion, on or before the date(s) so determined, and does not complete them within the period specified in the notice given in writing in that behalf by the Engineer-in-Charge. The Engineer-in-Charge without invoking action under clause 3 may, without prejudice to any other right or remedy against the contractor which have either accrued or accrue thereafter to WAPCOS, by a notice in writing to take the part work / part incomplete work of any item(s) out of his hands and shall have powers to:

- (a) Take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or
- (b) Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the contractor.

The Engineer-in-Charge shall determine the amount, if any, is recoverable from the contractor for completion of the part work/ part incomplete work of any item(s) taken out of his hands and execute at the risk and cost of the contractor, the liability of contractor on account of loss or damage suffered by WAPCOS because of action under this clause shall not exceed 10% of the Contract value of the work.

In determining the amount, credit shall be given to the contractor with the value of work done in all respect in the same manner and at the same rate as if it had been carried out by the original contractor under the terms of his contract, the value of contractor's materials taken over and incorporated in the work and use of plant and machinery belonging to the contractor. The certificate of the Engineer-in-Charge as to the value of work done shall be final and conclusive against the contractor provided always that action under this clause shall only be taken after giving notice in writing to the contractor. Provided also that if the expenses incurred by the WAPCOS are less than the amount payable to the contractor at his agreement rates, the difference shall not be payable to the contractor.

Any excess expenditure incurred or to be incurred by WAPCOS in completing the part work/ part incomplete work of any item(s) or the excess loss of damages suffered or may be suffered by WAPCOS as aforesaid after allowing such credit shall without prejudice to any other right or remedy available to WAPCOS in law or per as agreement be recovered from any money due to the contractor on any account, and if such money is insufficient, the contractor shall be called upon in writing and shall be liable to pay the same within 30 days.

If the contractor fails to pay the required sum within the aforesaid period of 30 days, the Engineer-in-Charge shall have the right to sell any or all of the contractors' unused materials, constructional plant, implements, temporary building at site etc. and adjust the proceeds of sale thereof towards the dues recoverable from the contractor under the contract and if thereafter there remains any balance outstanding, it shall be recovered in accordance with the provisions of the contract.

In the event of above course being adopted by the Engineer-in-Charge, the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advance on any account or with a view to the execution of the work or the performance of the contract.

**4.30 ACTION IN CASE WORK NOT DONE AS PER SPECIFICATIONS**

All works under or in course of execution or executed in pursuance of the contract, shall at all times be open and accessible to the inspection and supervision of the Engineer-in-charge, his authorized subordinates in charge of the work and all the superior officers, officer of the Quality Assurance Unit of the WAPCOS or any organization engaged by the WAPCOS for Quality Assurance and of the Chief Technical Examiner's Office, and the contractor shall, at all times, during the usual working hours and at all other times at which reasonable notice of the visit of such officers has been given to the contractor, either himself be present to receive orders and instructions or have a responsible agent duly accredited in writing, present for that purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.

If it shall appear to the Engineer-in-charge or his authorized subordinates in charge of the work or to the Chief Engineer in charge of Quality Assurance or his subordinate officers or the officers of the organization engaged by the WAPCOS for Quality Assurance or to the Chief Technical Examiner or his subordinate officers, that any work has been executed with unsound, imperfect, or unskilful workmanship, or with materials or articles provided by him for the execution of the work which are unsound or of a quality inferior to that contracted or otherwise not in accordance with the contract, the contractor shall, on demand in writing which shall be made within twelve months (six months in the case of work costing Rs. 10 Lacs and below except road work) of the completion of the work from the Engineer-in-Charge specifying the work, materials or articles complained of notwithstanding that the same may have been passed, certified and paid for forthwith rectify, or remove and reconstruct the work so specified in whole or in part, as the case may require or as the case may be, remove the materials or articles so specified and provide other proper and suitable materials or articles at his own charge and cost. In the event of the failing to do so within a period specified by the Engineer-in- Charge in his demand aforesaid, then the contractor shall be liable to pay compensation at the same rate as under clause 2 of the contract (for non-completion of the work in time) for this default.

In such case the Engineer-in-Charge may not accept the item of work at the rates applicable under the contract but may accept such items at reduced rates as the authority specified in Additional Conditions of Contract may consider reasonable during the preparation of on account bills or final bill if the item is so acceptable without detriment to the safety and utility of the item and the structure or he may reject the work outright without any payment and/or get it and other connected and incidental items rectified, or removed and re-executed at the risk and cost of the contractor. Decision of the Engineer-in-Charge to be conveyed in writing in respect of the same will be final and binding on the contractor.

4.31 In respect of all labour directly or indirectly employed in the work for the performance of the contractor's part of this contract, the contractor shall at his own expense arrange for the safety provisions as per C.P.W.D. Safety Code framed from time to time and shall at his own expense provide for all facilities in connection therewith. In case the contractor fails to make arrangement and provide necessary facilities as aforesaid, he shall be liable to pay a penalty of Rs.200/- for each default and in addition, the Engineer-in- Charge shall be at liberty to make arrangement and provide facilities as aforesaid and recover the costs incurred in that behalf from the contractor.

**4.32 MINIMUM WAGES ACT TO BE COMPLIED WITH**

The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970, amended from time to time and rules framed thereunder and other labour laws affecting contract labour that may be brought into force



from time to time.

**4.33 WORK NOT TO BE SUBLET. ACTION IN CASE OF INSOLVENCY**

The contract shall not be assigned or sublet without the written approval of the Engineer-in-Charge. And if the contractor shall assign or sublet his contract, or attempt to do so, or become insolvent or commence any insolvency proceedings or make any composition with his creditors or attempt to do so, or if any bribe, gratuity, gift, loan, perquisite, reward or advantage pecuniary or otherwise, shall either directly or indirectly, be given, promised or offered by the contractor, or any of his servants or agent to any public officer or person in the employ of WAPCOS in any way relating to his office or employment, or if any such officer or person shall become in any way directly or indirectly interested in the contract, the Engineer-in-Charge on behalf of the WAPCOS shall have power to adopt the course specified in Clause 3 hereof in the interest of WAPCOS and in the event of such course being adopted, the consequences specified in the said Clause 3 shall ensue.

**4.34 CHANGES IN FIRM'S CONSTITUTION TO BE INTIMATED**

Where the contractor is a partnership firm, the previous approval in writing of the Engineer-in-Charge shall be obtained before any change is made in the constitution of the firm. Where the contractor is an individual or a Hindu undivided family business concern, such approval as aforesaid shall likewise be obtained before the contractor enters into any partnership agreement where under the partnership firm would have the right to carry out the works hereby undertaken by the contractor. If previous approval as aforesaid is not obtained, the contract shall be deemed to have been assigned in contravention of Clause 21 hereof and the same action may be taken, and the same consequences shall ensue as provided in the said Clause 21.

**4.35 WITHHOLDING AND LIEN IN RESPECT OF SUM DUE FROM CONTRACTOR**

a) Whenever any claim or claims for payment of a sum of money arises out of or under the contract or against the contractor, the Engineer-in-Charge or the WAPCOS shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any deposited by the contractor and for the purpose aforesaid, the Engineer-in-Charge or the WAPCOS shall be entitled to withhold the security deposit, if any, furnished as the case may be and also have a lien over the same pending finalization or adjudication of any such claim. In the event of the security being insufficient to cover the claimed amount or amounts or if no security has been taken from the contractor, the Engineer-in-Charge or the WAPCOS shall be entitled to withhold and have a lien to retain to the extent of such claimed amount or amounts referred to above, from any sum or sums found payable or which may at any time thereafter become payable to the contractor under the same contract or any other contract with the Engineer-in-Charge of the WAPCOS or any contracting person through the Engineer-in-Charge pending finalization of adjudication of any such claim.

It is an agreed term of the contract that the sum of money or moneys so withheld or retained under the lien referred to above by the Engineer-in-Charge or WAPCOS will be kept withheld or retained as such by the Engineer-in-Charge or WAPCOS till the claim arising out of or under the contract is determined by the arbitrator(if the contract is governed by the arbitration clause) by the competent court, as the case may be and that the contractor will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention under the lien referred to above and duly notified as such to the contractor. For the purpose of this clause, where the contractor is a partnership firm or a limited company, the Engineer-in-Charge or the WAPCOS shall be entitled to withhold and also have a lien to retain towards such claimed

amount or amounts in whole or in part from any sum found payable to any partner/limited company as the case may be, whether in his individual capacity or otherwise.

b) WAPCOS shall have the right to cause an audit and technical examination of the works and the final bills of the contractor including all supporting vouchers, abstract, etc., to be made after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by the contractor under the contract or any work claimed to have been done by him under the contract and found not to have been executed, the contractor shall be liable to refund the amount of over-payment and it shall be lawful for WAPCOS to recover the same from him in the manner prescribed in sub-clause (i) of this clause or in any other manner legally permissible; and if it is found that the contractor was paid less than what was due to him under the contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by WAPCOS to the contractor, without any interest thereon whatsoever.

Provided that the Government shall not be entitled to recover any sum overpaid, nor the contractor shall be entitled to payment of any sum paid short where such payment has been agreed upon between the WAPCOS on the one hand and the contractor on the other under any term of the contract permitting payment for work after assessment by WAPCOS.

#### **4.36 LIEN IN RESPECT OF CLAIMS IN OTHER CONTRACTS**

Any sum of money due and payable to the contractor (including the security deposit returnable to him) under the contract may be withheld or retained by way of lien by the Engineer-in-Charge or the WAPCOS or any other contracting person or persons through Engineer-in-Charge against any claim of the Engineer-in-Charge or WAPCOS or such other person or persons in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the Engineer- in-Charge or the WAPCOS or with such other person or persons.

It is an agreed term of the contract that the sum of money so withheld or retained under this clause by the Engineer-in-Charge or the WAPCOS will be kept withheld or retained as such by the Engineer-in-Charge or the WAPCOS or till his claim arising out of the same contract or any other contract is either mutually settled or determined by the arbitration clause or by the competent court, as the case may be and that the contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this clause and duly notified as such to the contractor.

#### **4.35 ACTION WHERE NO SPECIFICATIONS ARE SPECIFIED**

In the case of any class of work for which there is no such specifications as referred to in Clause 11, such work shall be carried out in accordance with the Bureau of Indian Standards Specifications. In case there are no such specifications in Bureau of Indian Standards, the work shall be carried out as per manufacturers' specifications, if not available then as per District Specifications. In case there are no such specifications as required above, the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in-Charge.

#### **4.36 NO GAZETTED ENGINEER TO WORK AS CONTRACTOR WITHIN ONE YEAR OF RETIREMENT**

No engineer of gazetted rank or other gazetted officer employed in engineering or administrative duties in an engineering department of the Government of India shall work as a contractor or

employee of a contractor for a period of one year after his retirement from government service without the previous permission of Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of Government of India as aforesaid, before submission of the tender or engagement in the contractor's service, as the case may be.

#### **4.37 APPRENTICES ACT PROVISIONS TO BE COMPLIED WITH**

The contractor shall comply with the provisions of the Apprentices Act, 1961 and the rules and orders issued thereunder from time to time. If he fails to do so, his failure will be a breach of the contract and the WAPCOS may, in his discretion, cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

#### **4.38 SITE OFFICES AND FACILITIES**

The cost of providing the work/facilities stated in the sub-clauses of this clause are to be borne by the Contractor and shall be deemed to be included in the rates quoted by the Contractor.

The Contractor shall supply, erect and satisfactorily maintain Site Office for the Employer in good condition until final completion of works, a well-lighted, well ventilated and air-conditioned and adequately weather proofed temporary, burglar proof readily available Site Office (Portable Cabins) of adequate capacity having the covered area not less than 500 Sq. Ft. with all facilities such as telephone, fax, internet, photocopier, computer/ laptop & printer along with operator, regular electric & purified drinking water supply etc. and 4-wheeled transportation/inspection vehicle, in running condition & duly maintained as per the requirement of the project, without any extra cost to employer. The Contractor shall provide adequate access to the office. The Contractor shall be responsible during the continuance of the Contract for the security of the office and for all plans, documents and papers and other clauses contained therein. The sitting of the office shall be in accordance with the instructions of the Engineer-in-Charge. Service personnel shall also be made available at the Office at all times and shall clean site office daily. The Contractor shall provide uninterrupted power and water to the Office as directed for 24 hours free of cost. An amount equal to 1% of gross bill from all running account & final bill shall be recovered, if the above facilities are not provided by the Contractor.

The Contractor shall dismantle and remove from site all such temporary structures on completion of Contract or whenever required by the Employer.

The contractor shall also make sufficient arrangement for Photography/ Videography preferably by maintaining a camera/video camera at site so that video and photographs can be taken of a specific activity at any point of time. The contractor shall also provide software like MS Project/Primavera etc. for the purpose of preparing progress report etc.

The Contractor shall provide at his own cost, One Site sign Board, at directed location of overall size 2.40 metres wide and 1.50 metres height and of approved design. The names of the Project, Employer, Consultants, Engineer and Contractor etc. shall be exhibited as directed.

The Contractor shall maintain daily weather record. Daily maximum and minimum temperature and corresponding, humidity shall be recorded and charted. Rainy days shall be recorded when the rain lasting more than one hour hampers the work. Any other inclemency in weather shall be

recorded. The records shall be regularly shown to the Engineer-in-Charge and his signature obtained.

The Contractor shall arrange at his own cost to maintain a progress record of the works by taking (5"x 7")/8'X10" size colour photographs minimum 6 Nos. or more per month as directed by the Engineer-in-Charge during the construction stages and after completion and shall supply one set to the Engineer-in-Charge at no extra cost. These photographs shall also be submitted as part of the Contractors R.A. Bills.

The Contractor shall provide arrangements for firefighting at his own cost. For this purpose, he shall provide requisite number of fire extinguishers and adequate number of buckets, some of which are to be always kept filled with sand and some with water. This equipment shall be provided at suitable prominent and easily accessible places and shall be properly maintained. The Contractor may be subject to periodic fire prevention inspections and any deficiency or unsafe condition shall be corrected by the Contractor at his own cost and to approval of the Engineer-in-Charge and the relevant authorities.

These fire prevention inspections shall include but not limited to the following:

- Proper handling, storage and disposal of combustible materials, liquids and wastes.
- Work operations which can create fire hazards.
- Access for firefighting equipment.
- Type, size, number and location of fire extinguishers or other firefighting equipment.
- Inspection and maintenance records for extinguishers
- Type, number and location of containers for the removal of surplus materials and rubbish.
- General housekeeping

For the purpose of quick communication between the Engineer-in-Charge and the Contractor or his Representative, Site Order Books shall be maintained at site in the manner as described below:

Any communication, relating to the works may be conveyed through records in the site order book. Such a communication from one party to the other shall be deemed to have been adequately served in terms of the Contract. Each site order book shall have machine- numbered pages in triplicate and shall be carefully maintained and preserved by the Contractor and shall be made available to the Engineer-in-Charge as and when demanded. Any instruction which the Engineer-in-Charge may like to issue to the Contractor may be recorded by him in the site order book and two copies thereof taken by the Engineer-in-Charge for his record. The Contractor or his Contractor or Representative may similarly record in the site order book any communication he may like to send to the Engineer-in-Charge. Two copies thereof when sent to the Engineer-in-Charge and receipt obtained thereof, will constitute adequate services of the communication to the Engineer-in-Charge.

#### **4.39: Data, Services and Facilities to be provided by the Employer**

Attention is drawn to the following which are not provided by the Employer and are to be arranged by the Contractor at his own cost.

- The Employer will not provide office accommodation. The Contractor shall make his own office accommodation arrangements for their office staff for each of the field supervision teams including furniture, equipment, operation and maintenance.

- The Employer will not provide project vehicles to the Contractor. The Contractor shall make his own arrangements in respect of vehicles. The Contractor shall ensure that vehicles for the team are of good makes and are of excellent working condition.
- The Contractor shall be responsible for making his own arrangements for survey equipment.
- The Contractor shall be responsible for making his own arrangements for communications.

#### **4.29 Order of Precedence Of Documents**

In case of difference, contradiction, discrepancy, with regard to conditions of contract, specifications, Drawings, Bill of Quantities etc. forming part of the contract, the following shall prevail in order of precedence.

- WAPCOS and ESIC MOU and terms and condition lay over by time to time.
- Letter of Award, along with statement of agreed variation and its enclosures, if any.
- Special Condition of Contract
- Scope of Work
- Description of Bill of Quantity/Schedule of Quantities
- Technical Specification (General, Additional and Technical Specification) as given in Tender Documents
- General Condition of Contract
- Drawings, if any
- CPWD/MORTH specification (as specified in Technical Specification in Tender) update with correction slips issued up to last date of receipt of tenders.
- Relevant B.I.S codes

**For & on behalf of Tenderer**

**Signature of the authorized representative :**  
**Name of the agency :**  
**Name and designation :**  
**Contact Details a) Communication address :**

**b) E-mail id :**  
**c) Contact Nos. :**

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**SECTION-IV**

**SPECIAL CONDITIONS TO CONTRACT**

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- I. The contract means the documents forming the tender and acceptance thereof and the formal agreement executed between the competent authority on behalf of WAPCOS Limited and the contractor/agency together with the documents referred to therein including these conditions, instructions issued from time to time by the Engineer-in-charge all these documents taken together shall be deemed to form one contract and shall be complementary to one another. In case of difference, contradiction, discrepancy, dispute with regard to General Condition of Contract (G.C.C), the provision made in the Special Conditions of Contract (SCC) will prevail.

The Contractor shall be responsible for consequential effects arising out during the inspection done by the Chief Technical Examiner Cell, Central Vigilance Commission or by the Building Works Committee or third party authorized by WAPCOS or any statutory committee or by any duly authorized representative of WAPCOS, during the progress or any time after the construction and development of project up to the defect liability period, and will take appropriate action for rectification of defective work. Rectification of defective works or replacement of sub-standard materials or articles, as pointed out by the Chief Technical Cell, Central Vigilance Commission, Building Works Committee or authorized representative of WAPCOS or third party authorized by WAPCOS or any statutory committee, will be carried out or replaced by the Contractor at his own risk and cost. WAPCOS will not pay any extra amount for such rectification or replacement.

**II. Completion Period**

The duration of contract will be Twelve (12) **month** from the date of start of work which shall be increased or decreased as per the requirement of ESIC/WAPCOS as per the same terms and conditions.

- III. The agency shall be responsible to collect the feedback from client on the weekly/monthly/quarterly basis. Based on the observations, if any, recorded by the allotted, necessary action shall have to be initiated by the agency and defects/deficiency shall have to be attended immediately and is to be brought to the Notice of WAPCOS

**IV. Goods and Service Tax**

The quoted rate shall be exclusive of Goods and Service tax (GST), However, GST shall be reimbursed on actual basis after the submission of GST proof.

- V. The agency will depute appropriate resources to monitor and manage the progress of the project.
- VI. The liability to insure the spares and tools, if any, in the possession of the agency will be of the agency and the liability for any loss or damage due to any fire, burglary, theft, etc. will be that of the agency.

**VII. Obligations of WAPCOS/ESIC**

WAPCOS/ESIC shall -

- Facilitate entry pass to all staff and personnel of the agency

- Ensure timely payment as specified elsewhere in this NIT.

**VIII. Decision of WAPCOS For Recovery Of Reduced Worker force Shall Be Final And Binding:**

WAPCOS has given its provisional requirement of different categories of workforce for different work in subsequent paras. This will be the minimum quantity of workers to be deployed by the Contractor at site. However, if WAPCOS choose/decides to reduce the workforce at any time, recovery shall be made from the contractor's payment at the rate decided by WAPCOS which shall be final & binding on the contractor/agency. The reduction amount shall be calculated on the basis of BOQ rate and plus & minus rate quoted by the bidder.

No extra payment shall be made by WAPCOS if contractor choose to deploy more workforces on its own then mentioned in the tender documents.

**IX. Minimum Wages**

If shall be the responsibility of contractor to pay minimum wages as per CLC. Notification to the workers as applicable/revised time to time during the tenure of the contract. This tender is prepared on the basis of minimum wages applicable as on the date of publication of this tender except the following post.

However, any increase or decrease in minimum wages by the Government after the last date of submission of the tender during the tenure of the project shall be reimbursed/deducted with/from the in their monthly bills of the contractor based on the applicability of revised rates and on production of suitable evidences as per the norms except the following person.

- In Case the agency fails to abide by any of the conditions a financial penalty on every default as decided by WAPCOS management will be imposed

**X. Fore closure Of Contract Due To Abandonment or Reduction in Scope of Work**

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If at any time after acceptance of the tender, Engineer-in-charge shall decide to abandon or reduce the scope of the works for any reason whatsoever and hence not require the whole or any part of the works to be carried out, the Engineer-in-Charge shall give notice in writing to that effect to the contractor and the contractor shall act accordingly in the matter. The contractor shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works.

The contractor shall be paid at contract rates, full amount for works executed at site.

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- XI. No labour below the age of eighteen years shall be employed on the work.

**XII. Payment Of Wages**

- a. The contractor shall pay to labour employed by him either directly or through subcontractors, wages not less than fair wages as defined in the C.P.W.D. Contractor's Labour Regulations or

as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and the contract Labour (Regulation and Abolition) CLC Rules, wherever applicable.

- b. The contractor shall, notwithstanding the provisions of any contract to the contrary, cause to be paid fair wage to labour indirectly engaged on the work, including any labour engaged by his sub-contractors in connection with the said work, as if the labour had been immediately employed by him.
- c. In respect of all labour directly or indirectly employed in the works for performance of the contractor's part of this contract, the contractor shall comply with or cause to be complied with the Contractor's Labour Regulations made by WAPCOS from time to time in regard to payment of wages, wage period, deductions from wages recovery of wages not paid and deductions unauthorized made, maintenance of wage books or wage slips, publication of scale of wages and other terms of employment, inspection and submission of periodical returns and all other matters of the like nature or as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and the Contract Labour (Regulation and Abolition) Rules, CLC rules, wherever applicable.
- d. (i) The Engineer-in-Charge concerned shall have the right to deduct from the moneys due to the contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non-fulfilment of the conditions of the contract for the benefit of the workers, non-payment of wages or of deductions made from his or their wages which are not justified by their terms of the contract or non-observance of the Regulations.
- (ii) Under the provision of Minimum Wages (CLC) Rules, the contractor is bound to allow to the labours directly or indirectly employed in the works one-day rest for 6 days continuous work and pay wages at the same rate as for duty. In the event of default, the Engineer-in-Charge shall have the right to deduct the sum or sums not paid on account of wages for weekly holidays to any labours and pay the same to the persons entitled thereto from any money due to the contractor by the Engineer-in-Charge concerned.

In the case of Union Territory of Delhi, however, as the all-inclusive minimum daily wages fixed under Notification of the Delhi Administration No.F.12(162) MWO/DAB/ 43884-91, dated 31-12-1979 as amended from time to time are inclusive of wages for the weekly day of rest, the question of extra payment for weekly holiday would not arise. CLC rules also applicable.

- e. The contractor shall comply with the provisions of the Payment of Wages Act, 1936, Minimum Wages Act, 1948, Employees Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, and the Contractor's Labour (Regulation and Abolition) Act 1970, CLC Minimum wages Act, or the modifications thereof or any other laws relating thereto and the rules made thereunder from time to time.
- f. The contractor shall indemnify and keep indemnified WAPCOS against payments to be made under and for the observance of the laws aforesaid and the C.P.W.D. Contractor's Labour Regulations/CLC Labour rule without prejudice to his right to claim indemnity from his subcontractors.



- g. The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.
- h. Whatever is the minimum wage for the time being, or if the wage payable is higher than such wage, such wage shall be paid by the contractor to the workmen directly without the intervention of Jamadar and that Jamadar shall not be entitled to deduct or recover any amount from the minimum wage payable to the workmen as and by way of commission or otherwise.
- i. The contractor shall ensure that no amount by way of commission or otherwise is deducted or recovered by the Jamadar from the wage of workmen.
- XIII. In respect of all labour directly or indirectly employed in the work for the performance of the contractor's part of this contract, the contractor shall at his own expense arrange for the safety provisions as per C.P.W.D. Safety Code framed from time to time and shall at his own expense provide for all facilities in connection therewith. In case the contractor fails to make arrangement and provide necessary facilities as aforesaid, he shall be liable to pay a penalty of Rs.200/- for each default and in addition, the Engineer-in- Charge shall be at liberty to make arrangement and provide facilities as aforesaid and recover the costs incurred in that behalf from the contractor.
- XIV. In respect of all labour directly or indirectly employed in the works for the performance of the contractor's part of this contract, the contractor shall comply with or cause to be complied with all the rules framed by Government from time to time for the protection of health and sanitary arrangements for workers employed by the WAPCOS and its contractors.
- XV. In the event of the contractor(s) committing a default or breach of any of the provisions of the WAPCOS, Contractor's Labour Regulations and Model Rules for the protection of health and sanitary arrangements for the workers as amended from time to time or furnishing any information or submitting or filing any statement under the provisions of the above Regulations and' Rules which is materially incorrect, he/they shall, without prejudice to any other liability, pay to the Government a sum not exceeding Rs.200/- for every default, breach or furnishing, making, submitting, filing such materially incorrect statements and in the event of the contractor(s) defaulting continuously in this respect, the penalty may be enhanced to Rs.200/- per day for each day of default subject to a maximum of 5 per cent of the estimated cost of the work put to tender. The decision of the Engineer-in-Charge shall be final and binding on the parties.
- XVI. Should it appear to the Engineer-in-Charge that the contractor(s) is/are not properly observing and complying with the provisions of the C.P.W.D. Contractor's Labour Regulations and Model Rules and the provisions of the Contract Labour (Regulation and Abolition) Act 1970, and the Contract Labour (R& A) CLC rules, for the protection of health and sanitary arrangements for work-people employed by the contractor(s) (hereinafter referred as "the said Rules") the Engineer-in-Charge shall have power to give notice in writing to the contractor(s) requiring that the said Rules be complied with and the amenities prescribed therein be provided to the work-people within a reasonable time to be specified in the notice. If the contractor(s) shall fail within the period specified in the notice to comply with and/observe the said Rules and to provide the

amenities to the work-people as aforesaid, the Engineer-in-Charge shall have the power to provide the amenities hereinbefore mentioned at the cost of the contractor(s). The contractor(s) shall erect, make and maintain at his/their own expense and to approved standards all necessary huts and sanitary arrangements required for his/their work-people on the site in connection with the execution of the works, and if the same shall not have been erected or constructed, according to approved standards, the Engineer-in-Charge shall have power to give notice in writing to the contractor(s) requiring that the said huts and sanitary arrangements be remodelled and/or reconstructed according to approved standards, and if the contractor(s) shall fail to remodel or reconstruct such huts and sanitary arrangements according to approved standards within the period specified in the notice, the Engineer-in-Charge shall have the power to remodel or reconstruct such huts and sanitary arrangements according to approved standards at the cost of the contractor(s).

**XVII. Changes In Firm's Constitution To Be Intimated**

Where the contractor is a partnership firm, the previous approval in writing of the Engineer-in-Charge shall be obtained before any change is made in the constitution of the firm. Where the contractor is an individual or a Hindu undivided family business concern, such approval as aforesaid shall likewise be obtained before the contractor enters into any partnership agreement where under the partnership firm would have the right to carry out the works hereby undertaken by the contractor. If previous approval as aforesaid is not obtained, the contract shall be deemed to have been assigned in contravention of Clause 21 hereof and the same action may be taken, and the same consequences shall ensue as provided in the said Clause 21.

**XVIII. Contractor Indemnify WAPCOS against Patent Rights**

The contractor shall fully indemnify and keep indemnified the WAPCOS against any action, claim or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights and shall pay any royalties which may be payable in respect of any article or part thereof included in the contract. In the event of any claims made under or action brought against WAPCOS in respect of any such matters as aforesaid, the contractor shall be immediately notified thereof and the contractor shall be at liberty, at his own expense, to settle any dispute or to conduct any litigation that may arise therefrom, provided that the contractor shall not be liable to indemnify the WAPCOS if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by the Engineer-in-Charge in this behalf.

**XIX. TERMINATION OF CONTRACT ON DEATH OF CONTRACTOR**

Without prejudice to any of the rights or remedies under this contract, if the contractor dies, the Engineer-In-Charge on behalf of the WAPCOS shall have the option of terminating the contract without compensation to the contractor.

**XX. If Relative Working In WAPCOS Then the Contractor Not Allowed To Tender**

The contractor shall not be permitted to tender for works in the WAPCOS responsible for award and execution of contracts in which his near relative is posted in WAPCOS. He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Officer in the WAPCOS. Any breach of this condition by

the contractor would render him liable to be debarred from tendering in WAPCOS any breach of this condition.

NOTE: By the term “near relatives” is meant wife, husband, parents and grandparents, children and grandchildren, brothers and sisters, uncles, aunts and cousins and their corresponding in-laws.

**XXI. Criminal charges against violating Bidder(s)/Contractor(s)/ Subcontractor(s)**

If the Principal obtains knowledge of conduct of a Bidder/Contractor or any employee or a representative or an associate of a Bidder/Contractor, which constitutes a criminal offence under the IPC/PC Act, or if the Principal has substantive suspicion in this regard, the Principal will forthwith inform the same to the Chief Vigilance Officer, WAPCOS.

**XXII. DISMANTLED MATERIAL WAPCOS PROPERTY**

The contractor shall treat all materials obtained during dismantling of a structure, excavation of the site for a work, etc. as WAPCOS's/ESIC property and such materials shall be disposed off to the best advantage of WAPCOS according to the instructions in writing issued by the Engineer-in Charge.

**XXIII. WORKS TO BE EXECUTED IN ACCORDANCE WITH SPECIFICATIONS, DRAWINGS, ORDERS ETC.**

The contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner both as regards materials and otherwise in every respect in strict accordance with the specifications, BSI standards and codes, Indian electricity rule 1956, Indian electricity act 2003 and fire safety regulation pertaining to electric applications. The specification with up to date correction on the last date of submission of tender for work. In case specification of any item is not clear, MoRTH Specification, CPWD specification, Indian standard (IS) IRC (Indian Road Congress) specification, NBPDC specifications with up to date correction slips issued on last date of submission of tender of work is applicable.

The contractor shall also conform exactly, fully and faithfully to the design, drawings and instructions in writing in respect of the work signed by the Engineer-in-Charge and the contractor shall be furnished free of charge one copy of the contract documents together with specifications, designs, drawings and instructions as are not included in the standard specifications specified in Additional Conditions of Contract or in any Bureau of Indian Standard or any other, published standard or code or, Schedule of Rates or any other printed publication referred to elsewhere in the contract.

The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labour and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction.

At least to 10% of prescribed Tests as per Central Public Works Department Manual/IS Codes of construction materials shall be carried out from the outside approved/NABL recognized Laboratory as may be approved by WAPCOS without any extra expenditure to WAPCOS.

The Contractor shall establish a field test laboratory on the site with latest equipment's for

carrying out field tests of construction materials and will maintain proper records of all the test results.

XXIV. **SECURED ADVANCE ON NON-PERISHABLE MATERIALS:** Not applicable

XXV. **MOBILISATION ADVANCE:** Not applicable

XXVI. **PLANT MACHINERY & SHUTTERING MATERIAL ADVANCE:** Not applicable

XXVII. **INTEREST & RECOVERY:** Not Applicable

XXVIII. **Requirement of Technical Staff:**

<b>Min. Qualification/ Experience</b>	<b>Nos.</b>	<b>Designation</b>	<b>Penal recovery if not employed</b>
1. Graduate Engineer (Civil/Electrical)/ Diploma holder (Civil) with minimum seven years' experience in the relevant field (Nodal Officer for ESIC)	1	Site-in-charge	40,000/- per month

- **Note: Salary of the above-posted employee shall be beard by the contractor only. No reimbursement/payment shall be done by WAPCOS or ESIC.**

XXIX. **Other Conditions Required**

- The firm/contractor shall furnish a list of the workers deployed along with their full names, father's/husband's name, date of birth, full residential addresses (present & permanent), contact tel. No. etc. The firm/contractor shall be responsible to get the character and antecedents of the persons verified by the Police before deploying them in ESIC. The authenticated copies of Police verification certificate/documents of the persons, who are to be deployed in ESIC, shall be submitted by the firm to WAPCOS. WAPCOS/ESIC reserve the right to conduct the test, as may be deemed fit to adjudge the suitability of the persons provided by the firm/contractor. WAPCOS/ESIC also reserves the right to get the person's character and antecedents verified by the Police, if deemed necessary.
- The firm will also ensure that the persons deployed in ESIC are medically fit and will keep record of their medical fitness. The firm shall withdraw such persons, who are not found suitable by ESIC/WAPCOS for any reasons, immediately on receipt of such request from WAPCOS/ESIC. The copies of medical fitness certificate of the persons who are to be deployed in ESIC, shall be submitted by the successful bidder to WAPCOS/ESIC.
- There shall be no representation of any kind, implied or otherwise, of any automatic absorption, regularization, continued engagement or concession or preference in employment security for the persons engaged by the service provider for any engagement. service or employment in any capacity, in any office or establishment of the Govt. A copy of each of the agreement entered into by the firm with the persons, deployed in ESIC are required to be submitted to WAPCOS/ESIC within a fortnight of deployment.
- The contract does not amount to employment with the Government or confer any right on the contractor/firm or the workers engaged by the firm/contractor, nor any representation by the Government as to the possibility or preference in. employment at any time in future in respect of security and other personnel of the contractor/firm in any office/ establishment of the Government.
- The firm/contractor shall appoint a coordinator, who would be responsible for

immediate interaction with WAPCOS/ESIC and so that optimal services are available without disruption.

- The worker engaged will observe discipline and decorum and shall not-misbehave with any WAPCOS/ESIC officer.
- If at any point of time, any person absent himself/herself, a substitute shall be provided immediately.
- In case, any person is absent on a particular day and substitute is not provided, a daily rate/ pro rate shall be deducted from the bill for the month. In case the firm is asked to provide a substitute and fails in doing so within 3 (three) days, then a penalty equal to 10% of the daily wages of the worker will be imposed on the firm, besides deduction of daily wages.
- The firm/contractor shall be directly responsible for settlement of any dispute or grievance of the 'Worker' relating to his/her deployment in ESIC and any other matters that may arise in this regard and WAPCOS/ESIC, in no way, be responsible for settlement of such issues/dispute.
- Any liability regarding payments of wages to the 'workers' arising due to non compliance with any provisions of the Labour Laws or due to any human loss/injury during the course of work will be the sole and personal responsibility of the firm/contractor. The successful firm/contractor shall submit, a notarized affidavit on a stamp paper of appropriate value to the effect that the firm undertake to pay Minimum Rates of wages to the persons engaged as per applicable orders of CLC, GOVERNMENT OF INDIA and to enhance the rates, as and when it is revised as well as all the statutory dues w.r.t ESI, EPF etc. to ESIC. The contractor will submit the copies of the EPF statement/pass Book, ESI Card and Service Tax Challans long with monthly bill, without which the payment to the contracting firm will not be released.
- The successful bidder will submit an undertaking in form of duly executed affidavit to deposit EPF contribution of the Employer and Employee in the EPF Account of the workers every month.
- The successful bidder will also submit an undertaking in form of duly executed affidavit to the effect that if the contractor does not provide copies of depositing Employer and Employees share in the EPF Account of the employee, he will not be entitled for these payments.
- The successful bidders will also submit an undertaking in the form of duly executed affidavit to comply with the instructions relating to payment of EPF in respect of those employees who are not in excluded category as per instruction issued by the Government on the subject.
- The employer's share of EPF will not be paid to the contractor for those persons, who are in the excluded category of EPF contribution as per latest guidelines issued by Ministry of Labour & Employment in this regard. The employer's share of EPF will be paid to the Contractor on production of documentary evidence of depositing the share in the individual employee's EPF account opened for the employee in his/her name.
- The firm/contractor shall undeliake to provide the services for the entire duration regularly failing which the Performance Security Deposits and such other amount that may be due from WAPCOS/ESIC to the firm shall stand forfeited.
- If at any point of time, the services being provided by the firm/contractor are found to be unsatisfactory in any manner, the WAPCOS/ESIC will have full authority to discontinue the services of the firm/contractor by giving notice of 15 days. The decision of WAPCOS in this regard shall be final and binding on the firm/contractor.
- The working hours of the workers on the basis of 6 days working in a week. The

- workers shall have to sign the attendance both at the time of arrival and departure.
- In emergent situations the services of the persons may be required on Sundays/Holidays also.
  - If, any workers arrives late or leaves early, a deduction of the daily rate shall be made on half day basis.
  - If, at any point of time, the services of any person provided by the firm/contractor are found to be unsatisfactory or not of the expected level in any manner, the firm/contractor shall change the worker immediately.
  - The workers shall not be entitled for any financial benefit that are admissible to regular employees of WAPCOS/ESIC. However, the firm/contractor is required to pay wages to the workers engaged strictly as per the Minimum Wages Act modified from time to time including EPF, ESI and other social security schemes of the Government of CLC, Government of India and Ministry of Labour & Employment. The wages to the workers would be dynamic. The weekly rest etc. should also be allowed to workers as per statutory provisions. This is required to be quoted by all bidders at the time of submitting bids, which would be increased as and when increased by the Government authorities. All the statutory requirements such as obtaining valid Labour Licence on the basis of contract letter and compliance of all the provisions of social security legislations in general and provisions of the Contract Labour (Regulation & Abolition) Act, 1970 and the Contract Labour (R&A) Rules 1971 in particular are required to be complied with by the contractor. The firm/contractor should quote their Service Charge for providing services of workers for WAPCOS/ESIC over and above the statutory payments to be made to each worker. so deployed. Except the Administrative Service Charges, quoted by the service provider, no other amount is to be retained by the service provider out of the minimum wages, EPF, ESI etc. as mandated by the statutory provisions on the subject. The proof of depositing the service tax with the appropriate authorities have to be submitted to WAPCOS periodically.
  - The administrative Service Charges per worker Quoted by the firm in the financial bid shall be commensurate with the administrative and supervisory efforts required for executing the contract.
  - The rates of wages and the consequential revision in the statutory contribution on worker's wages will be revised by CLC from the date of statutory revision in minimum wages of the workers and in case of revision in the rate of contribution on worker's wages (i.e EPF,ESI etc.) by the CLC Government/Central Government whatsoever may be the case. However, there will be no increase in the Administrative Service Charges quoted by the firm/contractor.
  - The firm should be registered with ESI, PF, Service Tax, Work Contract Tax, Labour Licence & PAN (GST) with the concerned authorities.
  - The contractor shall comply with all relevant Laws and the Rules made there under viz. Income Tax, ESI Act, PF Act, Factories Act, ID Act and Contract Labour (Regulation & Abolition) Act, Private Security Agencies (Regulation) Act, 2005 and Private Security Agencies Central Model Rules, 2006. Payment shall be conditional on fulfillment of the provisions of these Acts and the rules framed there under.
  - The payment of wages to the workers have to be made by the contractor in accordance with the provision of Section 21 of the Contract Labour (Regulation & Abolition) Act, 1970.
  - The firm/contractor will make payment of wages to the workers provided by 7<sup>th</sup> of every month.
  - In case of failure to make payment of wages to the workers within the prescribed

period or making short payment by the firm/contractor, the Performance Security Deposit amount deposited by the firm/contractor with WAPCOS Limited will be forfeited. The firm will also be blacklisted.

- **Vehicle for site visit and office set up at site for WAPCOS officials shall be provided by the contractor at his own cost.**
- The Firm/ contractor shall be responsible for all commission and omissions on the part of manpower engaged for the purpose. WAPCOS Limited shall not be held responsible in any manner whatsoever, in matter of injury/death/health etc. of the contractor's employee performing duties under this contract.
- If it is found that the information/certificates furnished by the participating firm is incorrect/wrong or bogus, the firm shall be blacklisted, its bids will be ignored and EMD will be forfeited.
- WAPCOS Limited has reserve the right to execute more items or quantities or manpower as per the ESIC or site requirement.
- This tender is based upon the estimations on the basis of site conditions(tentative) enclosed with technical specifications and BOQ. WAPCOS Limited reserves the right to vary any individual item to any extent either positive or negative within the scope of work as defined as per the requirement of ESIC/WAPCOS Limited. The decision as to items are within the scope of work shall be of WAPCOS Limited which is final & binding. Therefore in case of variation in quantity as given in BOQ either positive or negative no rate revision is applicable. In case of New Rate or Price of the Substituted/Extra/deduction items shall be derived from any relevant rates or prices in the Contract. New rate or price of the substituted/Extra/deduction items shall be derived from the Delhi Schedule of Rates -2021/2022/2023 as per applicable. In case the rates are not available in DSR, the same shall be derived from the competitive market quotes, obtained by WAPCOS Limited/WAPCOS Limited representative. The contractor's profit and overheads together shall be taken as 15% only. ESI, Bonus, CPoH and EPF etc. as applicable also taken in case of changes in the manpower. In Substitute Item or extra item, being the scheduled Item (Delhi Schedule of rates), these shall be paid as per Delhi Schedule of rates plus/minus tender percentage with respect to estimated cost.
- The completion cost of any maintenance work shall not exceed 2.00 times the tendered amount and 10% of the sanctioned cost for budgeted works. The Engineer-in-charge shall record reasons for such deviation beyond the contract amount and take necessary approval from competent authority.
- The material shall conform to the quality and make as per attached list in Technical Specifications. However, for the items not appearing in the list preference shall be given to those articles which bear ISI certification marks. In case articles bearing ISI certification marks are not available the quality of sample brought by the Contractor shall be judged by the standard laid down in the relevant ISI specification/CPWD specification. All materials and articles brought by the contractor to the site for use shall conform to the samples approved, which shall be preserved till the completion of the work. However, such articles which bear ISI mark but stand banned by CPWD will not be used. Notwithstanding the case of materials of "Preferred Make" as given in Annexure, provisions of Clause 10A of the General Conditions of Contract for Central PWD works shall be applicable on the materials of "Preferred Make" also.

**For & on behalf of Tenderer**

ANNEXURE – I

**FORM OF PERFORMANCE SECURITY (GUARANTEE)**

WAPCOS Limited,  
76-C, Sector 18,  
Gurgaon-122015.

In consideration of \_\_\_\_\_ (Employer's name) (hereinafter referred to as "the Employer") which expression shall, unless repugnant to the context or meaning thereof include its successors, administrators and assigns) having awarded to \_\_\_\_\_ (Contractor's name & address) (hereinafter referred to as "the Contractor" which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) a contract, by issue of Employer's Notification of Award No. \_\_\_\_\_ dt. \_\_\_\_\_ and the same having been unequivocally accepted by the Contractor, resulting into a contract valued at Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) for \_\_\_\_\_ (name of work) (hereinafter called " the contract") and the Contractor having agreed to provide a Contract Performance Guarantee for the faithful performance of the entire contract equivalent to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) (5 % of the said value of the Contract to the Employer).

We, \_\_\_\_\_ (name & address of bank) (hereinafter referred to as "the Bank" which expression shall, unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the Employer, on demand any or, all monies payable by the Contractor to the extent of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) as aforesaid at any time up to \_\_\_\_\_ without any demur, reservation, contest, recourse or protest and/or without any reference to the Contractor. Any such demand made by the Employer on the bank shall be conclusive and binding notwithstanding any difference between the Employer and the Contractor or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Bank undertakes not to revoke this guarantee during its currency without previous consent of the Employer and further agrees that the guarantee herein contained shall continue to be enforceable till the Employer discharges this guarantee.

We the said 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 Contract and that it shall continue to be enforceable till all the dues of the Employer under or by virtue of the said contract have been fully paid and its claims satisfied or discharged or till the Employer certifies that the terms and conditions of the said Contract have been fully and properly carried out by the said Contractor and accordingly discharges the guarantee.

The Employer shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee, from, time to time to extend the time for performance of the Contract by the Contractor. The Employer shall have the fullest liberty without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the Contractor and to exercise the same at any time in any manner and either to enforce or to forbear to enforce any covenants, contained or implied, in the Contract between the Employer and the Contractor or any other course or remedy or security available to the Employer. The bank shall not be released of its obligations under these presents by any exercise by the Employer of its liberty with reference to the



matters aforesaid or any of them or by reason of any other act or forbearance or other acts of omission or commission on the part of the Employer or any other indulgence shown by the Employer or by any other matter or thing whatsoever which under law would but for this provision, have the effect of relieving the Bank. The guarantee shall not be affected by a change in the constitution of the bank or of the employer.

The bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance, without proceeding against the Contractor and notwithstanding any security or other guarantee that the Employer may have in relation to the Contractor's liabilities. We The Said Bank do hereby declare that we have absolute and unconditional power to issue this guarantee in your favour under the Memorandum and Articles of Association or such other constitutional documents of the Bank and the undersigned have full power to execute this guarantee under the Power of Attorney/ Post Approval Authorization dated \_\_\_\_\_ of the bank granted to him / us by the Bank. We the said bank do hereby declare and undertake that your claim under the guarantee shall not be affected by any deficiency or other defect in the powers of the bank or its officials and the guarantee shall be deemed to have been issued as if the bank and its officials have all the powers and authorization to give this guarantee on behalf of the bank. We the said bank do hereby certify the genuineness and appropriateness of the Stamp paper and stamp value used for issuing the guarantee. We the said bank do hereby declare and undertake that your claim under the guarantee shall not be affected by any deficiency or other defect in the stamp paper or its stamp value. We the said bank do hereby declare that our payments hereunder shall be made to you, free and clear of and without and deduction, reduction on account of any reasons including any and all present and future taxes, levies, charges of withholding whatsoever imposed or collected with respect thereto.

Notwithstanding anything contained hereinabove our liability under this guarantee is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) and it shall remain in force up to and including \_\_\_\_\_ and shall be extended from time to time for such period as may be desired by M/S WAPCOS Limited on whose behalf this bank guarantee has been given.

Notwithstanding anything contained herein

- i) our liability under this guarantee shall not exceed Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) ;
- ii) This bank guarantee shall be valid upto \_\_\_\_\_ (**indicate a date two months after the probable date of completion**)
- iii) Our liability to make payment shall arise and we are liable to pay the guaranteed amount or any part thereof under this guarantee, only and only if you serve upon us a written claim or demand in terms of the guarantee on or before \_\_\_\_\_ (**indicate a date three months after validity of guarantee**).

Dated this \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_

**For & on behalf of Tenderer**

**ANNEXURE – II**

**FORMAT FOR AFFIDAVIT**

I / We have submitted a bank guarantee for the work (Name of work) Agreement No.

\_\_\_\_\_ Dated \_\_\_\_\_ from \_\_\_\_\_ (Name of the Bank with full address) to the WAPCOS Limited, New Delhi with a view to seek exemption from payment of performance guarantee in cash. This Bank guarantee expires on

\_\_\_\_\_ I / We undertake to keep the validity of the bank guarantee intact by getting it extended from time to time at my / our own initiative up to a period of \_\_\_\_\_ months after the recorded date of completion of the work or as directed by the WAPCOS.

I / We also indemnify the WAPCOS against any losses arising out of non-encasement of the bank guarantee if any.

(Deponent)  
Signature of Contractor

Note : The affidavit is to be given by the Executants before a first class Magistrate.

**(To be submitted in original by bidder on non-judicial stamp paper of Rs. 100/- (Rupees Hundred only) attached by Notary Public)**

**ANNEXURE – III**

**FORMAT OF RESUME OF PROPOSED PERSONNEL**

The bidder shall provide all the information requested below:

Position		
Personnel information	Name	Date of birth
	Professional qualifications	
Present employment	Name of Employer	
	Address of Employer	
	Telephone	Contact (manager / personnel officer)
	Fax	E-mail
	Job title	Years with present Employer

Summarize professional experience in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

From	To	Company, Project , Position, and Relevant Technical and Management Experience

**Certification:**

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the Client, and/or sanctions by the Bank.

{ day/month/year }

**Name of Personnel**

**Signature**

**Date**

{ day/month/year }

**Name of authorized Representative of the Contractor**

**Signature**

**Date**

**ANNEXURE-IV**

**SAFETY CODES**

1. Suitable scaffolds should be provided for workmen for all works that cannot safely be done from the ground, or from solid construction except such short period work as can be done safely from ladders. When a ladder is used, an extra mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying materials as well suitable footholds and hand-hold shall be provided on the ladder and the ladder shall be given an inclination not steeper than  $\frac{1}{4}$  to  $1\frac{1}{4}$  (horizontal and 1 vertical).
2. Scaffolding of staging more than 3.6 m (12ft.) above the ground or floor, swung or suspended from an overhead support or erected with stationary support shall have a guard rail properly attached or bolted, braced and otherwise secured at least 90 cm. (3ft.) high above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends thereof with only such opening as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
3. Working platforms, gangways and stairways should be so constructed that they should not sag unduly or unequally, and if the height of the platform or the gangway or the stairway is more than 3.6 m (12ft.) above ground level or floor level, they should be closely boarded, should have adequate width and should be suitably fastened as described in (2) above.
4. Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of person or materials by providing suitable fencing or railing whose minimum height shall be 90 cm. (3ft.).
5. Safe means of access shall be provided to all working platforms and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9m. (30ft.) in length while the width between side rails in rung ladder shall in no case be less than 29 cm. (11½") for ladder up to and including 3 m. (10 ft.) in length. For longer ladders, this width should be increased at least  $\frac{1}{4}$ " for each additional 30 cm. (1 foot) of length. Uniform step spacing of not more than 30 cm shall be kept. Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites or work shall be so stacked or placed as to cause danger or inconvenience to any person or the public. The contractor shall provide all necessary fencing and lights to protect the public from accident and shall be bound to bear the expenses of defense of every suit, action or other proceedings at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and cost which may be awarded in any such suit; action or proceedings to any such person or which may, with the consent of the contractor, be paid to compensate any claim by any such person
6. (a) Excavation and Trenching - All trenches 1.2 m. (4ft.) or more in depth, shall at all times be supplied with at least one ladder for each 30 m. (100 ft.) in length or fraction thereof, Ladder shall extend from bottom of the trench to at least 90 cm. (3ft.) above the surface of the ground. The side of the trenches which are 1.5 m. (5ft.) or more in depth shall be stepped back to give suitable slope or securely held by timber bracing, so as to avoid the danger of sides collapsing. The excavated materials shall not be placed within 1.5 m. (5ft.) of the edges of the trench or half of the depth of the trench whichever is more. Cutting shall be done from top to bottom. Under no circumstances, undermining or undercutting shall be done.  
(b) Safety Measures for digging bore holes:-

- i. If the bore well is successful, it should be safely capped to avoid caving and collapse of the bore well. The failed and the abandoned ones should be completely refilled to avoid caving and collapse;
- ii. During drilling, Sign boards should be erected near the site with the address of the drilling contractor and the Engineer in-charge of the work;
- iii. Suitable fencing should be erected around the well during the drilling and after the installation of the rig on the point of drilling, flags shall be put 50m all-round the point of drilling to avoid entry of people;
- iv. After drilling the bore well, a cement platform (0.50m x 0.50m x 1.20m) 0.60m above ground level and 0.60m below ground level should be constructed around the well casing;
- v. After the completion of the bore well, the contractor should cap the bore well properly by welding steel plate, cover the bore well with the drilled wet soil and fix thorny shrubs over the soil. This should be done even while repairing the pump;
- vi. After the bore well is drilled the entire site should be brought to the ground level.

7. Demolition - Before any demolition work is commenced and also during the progress of the work,

- (i) All roads and open areas adjacent to the work site shall either be closed or suitably protected.
- (ii) No electric cable or apparatus which is liable to be a source of danger or a cable or apparatus used by the operator shall remain electrically charged.
- (iii) All practical steps shall be taken to prevent danger to persons employed from risk of fire or explosion or flooding. No floor, roof or other part of the building shall be so overloaded with debris or materials as to render it unsafe.

8. All necessary personal safety equipment as considered adequate by the Engineer-in-Charge should be kept available for the use of the person employed on the site and maintained in a condition suitable for immediate use, and the contractor should take adequate steps to ensure proper use of equipment by those concerned. The following safety equipment shall invariably be provided.

- (i) Workers employed on mixing asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective goggles.
- (ii) Those engaged in white washing and mixing or stacking of cement bags or any material which is injurious to the eyes, shall be provided with protective goggles.
- (iii) Those engaged in welding works shall be provided with welder's protective eye shields.
- (iv) Stone breaker shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
- (v) When workers are employed in sewers and manholes, which are in active use, the contractors shall ensure that the manhole covers are opened and ventilated at least for an hour before the workers are allowed to get into the manholes, and the manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to the public. In addition, the contractor shall ensure that the following safety measure are adhered to :-
  - (a) Entry for workers into the line shall not be allowed except under supervision of the JE or any other higher officer.
  - (b) At least 5 to 6 manholes upstream and downstream should be kept open for at least 2 to 3 hours before any man is allowed to enter into the manhole for working inside.
  - (c) Before entry, presence of Toxic gases should be tested by inserting wet lead acetate paper which changes colour in the presence of such gases and gives indication of their presence.

- (d) Presence of Oxygen should be verified by lowering a detector lamp into the manhole. In case, no Oxygen is found inside the sewer line, workers should be sent only with Oxygen kit.
- (e) Safety belt with rope should be provided to the workers. While working inside the manholes, such rope should be handled by two men standing outside to enable him to be pulled out during emergency.
- (f) The area should be barricaded or cordoned off by suitable means to avoid mishaps of any kind. Proper warning signs should be displayed for the safety of the public whenever cleaning works are undertaken during night or day.
- (g) No smoking or open flames shall be allowed near the blocked manhole being cleaned.
- (h) The malba obtained on account of cleaning of blocked manholes and sewer lines should be immediately removed to avoid accidents on account of slippery nature of the malba.
- (i) Workers should not be allowed to work inside the manhole continuously. He should be given rest intermittently. The Engineer-in-Charge may decide the time up to which a worker may be allowed to work continuously inside the manhole.
- (j) Gas masks with Oxygen Cylinder should be kept at site for use in emergency.
- (k) Air-blowers should be used for flow of fresh air through the manholes. Whenever called for, portable air blowers are recommended for ventilating the manholes. The Motors for these shall be vapour proof and of totally enclosed type. Non sparking gas engines also could be used but they should be placed at least 2 metres away from the opening and on the leeward side protected from wind so that they will not be a source of friction on any inflammable gas that might be present.
- (l) The workers engaged for cleaning the manholes/sewers should be properly trained before allowing to work in the manhole.
- (m) The workers shall be provided with Gumboots or non-sparking shoes bump helmets and gloves non sparking tools safety lights and gas masks and portable air blowers (when necessary). They must be supplied with barrier cream for anointing the limbs before working inside the sewer lines.
- (n) Workmen descending a manhole shall try each ladder stop or rung carefully before putting his full weight on it to guard against insecure fastening due to corrosion of the rung fixed to manhole well.
- (o) If a man has received a physical injury, he should be brought out of the sewer immediately and adequate medical aid should be provided to him.
- (p) The extent to which these precautions are to be taken depend on individual situation but the decision of the Engineer-in-Charge regarding the steps to be taken in this regard in an individual case will be final.

(vi) The Contractor shall not employ men and women below the age of 18 years on the work of painting with products containing lead in any form. Wherever men above the age of 18 are employed on the work of lead painting, the following precaution should be taken:-

- (q) No paint containing lead or lead products shall be used except in the form of paste or readymade paint.
- (r) Suitable face masks should be supplied for use by the workers when paint is applied in the form of spray or a surface having lead paint is dry rubbed and scrapped.
- (s) Overalls shall be supplied by the contractors to the workmen and adequate facilities shall be provided to enable the working painters to wash during and on the cessation of work.

9. The Contractor shall not employ women and men below the age of 18 on the work of painting with product containing lead in any form, wherever men above the age of 18 are employed on the work of lead painting, the following principles must be observed for such use:

- (i) White lead, sulphate of lead or product containing these pigment, shall not be used in painting operation except in the form of pastes or paint ready for use.
- (ii) Measures shall be taken, wherever required in order to prevent danger arising from the application of a paint in the form of spray.
- (iii) Measures shall be taken, wherever practicable, to prevent danger arising out of from dust caused by dry rubbing down and scraping.
- (iv) Adequate facilities shall be provided to enable working painters to wash during and on cessation of work.
- (v) Overall shall be worn by working painters during the whole of working period.
- (vi) Suitable arrangement shall be made to prevent clothing put off during working hours being spoiled by painting materials.
- (vii) Cases of lead poisoning and suspected lead poisoning shall be notified and shall be subsequently verified by medical man.
- (viii) WAPCOS may require, when necessary medical examination of workers.
- (ix) Instructions with regard to special hygienic precautions to be taken in the painting trade shall be distributed to working painters.

10. When the work is done near any place where there is risk of drowning, all necessary equipment's should be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision, should be made for prompt first aid treatment of all injuries likely to be obtained during the course of the work.

11. Use of hoisting machines and tackle including their attachments, anchorage and supports shall conform to the following standards or conditions:-

- (i) (a) These shall be of good mechanical construction, sound materials and adequate strength and free from patent defects and shall be kept repaired and in good working order.
- (b) Every rope used in hoisting or lowering materials or as a means of suspension shall be of durable quality and adequate strength, and free from patent defects.
- (ii) Every crane driver or hoisting appliance operator, shall be properly qualified and no person under the age of 21 years should be in charge of any hoisting machine including any scaffolding winch or give signals to operator.
- (iii) In case of every hoisting machine and of every chain ring hook, shackle swivel and pulley block used in hoisting or as means of suspension, the safe working load shall be ascertained by adequate means. Every hoisting machine and all gear referred to above shall be plainly marked with the safe working load. In case of a hoisting machine having a variable safe working load each safe working load and the condition under which it is applicable shall be clearly indicated. No part of any machine or any gear referred to above in this paragraph shall be loaded beyond the safe working load except for the purpose of testing.
- (iv) In case of departmental machines, the safe working load shall be notified by the Electrical Engineer-in-Charge. As regards contractor's machines the contractors shall notify the safe working load of the machine to the Engineer-in-Charge whenever he brings any machinery to site of work and get it verified by the Electrical Engineer concerned.

12. Motors, gearing, transmission, electric wiring and other dangerous parts of hoisting appliances should be provided with efficient safeguards. Hoisting appliances should be provided with such means as will reduce to the minimum the risk of accidental descent of the load. Adequate precautions should be taken to reduce to the minimum the risk of any part of a suspended load becoming accidentally displaced. When workers are employed on electrical installations which are already energized, insulating mats, wearing apparel, such as gloves, sleeves and boots as may be necessary should be provided. The worker should not wear any rings, watches and carry keys or other materials which are good conductors of electricity.

13. All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities should be provided at or near places of work.

14. These safety provisions should be brought to the notice of all concerned by display on a notice board at a prominent place at work spot. The person responsible for compliance of the safety code shall be named therein by the contractor.

15. To ensure effective enforcement of the rules and regulations relating to safety precautions the arrangements made by the contractor shall be open to inspection by the Labour Officer or Engineer-in-Charge of the department or their representatives.

16. Notwithstanding the above clauses from (1) to (15), there is nothing in these to exempt the contractor from the operations of any other Act or Rule in force in the Republic of India.

**For & on behalf of Tenderer**

**ANNEXURE – IV**



**MODEL RULES FOR THE PROTECTION OF HEALTH AND SANITARY ARRANGEMENTS FOR WORKERS EMPLOYED BY CONTRACTORS**

**1. APPLICATION**

These rules shall apply to all buildings and construction works in which twenty or more workers are ordinarily employed or are proposed to be employed in any day during the period during which the contract work is in progress.

**2. DEFINITION**

Work place means a place where twenty or more workers are ordinarily employed in connection with construction work on any day during the period during which the contract work is in progress.

**3. FIRST-AID FACILITIES**

- (i) At every work place, there shall be provided and maintained, so as to be easily accessible during working hours, first-aid boxes at the rate of not less than one box for 150 contract labour or part thereof ordinarily employed.
- (ii) The first-aid box shall be distinctly marked with a red cross on white back ground and shall contain the following equipment:-

- (a) For work places in which the number of contract labour employed does not exceed 50- Each first-aid box shall contain the following equipment's:-
  1. 6 small sterilized dressings.
  2. 3 medium size sterilized dressings.
  3. 3 large size sterilized dressings.
  4. 3 large sterilized burn dressings.
  5. 1 (30 ml.) bottle containing a two per cent alcoholic solution of iodine.
  6. 1 (30 ml.) bottle containing Sal volatile having the dose and mode of administration indicated on the label.
  7. 1 snakebite lancet.
  8. 1 (30 gms.) bottle of potassium permanganate crystals.
  9. 1 pair scissors.
  10. 1 copy of the first-aid leaflet issued by the Director General, Factory Advice Service and Labour Institutes, Government of India.
  11. 1 bottle containing 100 tablets (each of 5 gms.) of aspirin.
  12. Ointment for burns.
  13. A bottle of suitable surgical antiseptic solution

- (b) For work places in which the number of contract labour exceed 50. Each first-aid box shall contain the following equipment's.
  1. 12 small sterilized dressings.
  2. 6 medium size sterilized dressings.

3. 6 large size sterilized dressings.
4. 6 large size sterilized burn dressings.
5. 6 (15 gms.) packets sterilized cotton wool.
6. 6. 1 (60 ml.) bottle containing a two per cent alcoholic solution iodine.
7. 1 (60 ml.) bottle containing Sal volatile having the dose and mode of administration indicated on the label
8. 1 roll of adhesive plaster.
9. 1 snake bite lancet.
10. 1 (30 gms.) bottle of potassium permanganate crystals.
11. 1 pair scissors.
12. 1 copy of the first-aid leaflet issued by the Director General Factory Advice Service and Labour Institutes /Government of India.
13. A bottle containing 100 tablets (each of 5 gms.) of aspirin.
14. Ointment for burns.
15. A bottle of suitable surgical antiseptic solution.

- (iii) Adequate arrangements shall be made for immediate recoupment of the equipment when necessary
- (iv) Nothing except the prescribed contents shall be kept in the First-aid box.
- (v) The first-aid box shall be kept in charge of a responsible person who shall always be readily available during the working hours of the work place.
- (vi) A person in charge of the First-aid box shall be a person trained in First-aid treatment in the work places where the number of contract labour employed is 150 or more.
- (vii) In work places where the number of contract labour employed is 500 or more and hospital facilities are not available within easy distance from the works. First-aid posts shall be established and run by a trained compounder. The compounder shall be on duty and shall be available at all hours when the workers are at work.
- (viii) Where work places are situated in places which are not towns or cities, a suitable motor transport shall be kept readily available to carry injured person or person suddenly taken ill to the nearest hospital.

#### **4. DRINKING WATER**

- (i) In every work place, there shall be provided and maintained at suitable places, easily accessible to labour, a sufficient supply of cold water fit for drinking.
- (ii) Where drinking water is obtained from an Intermittent public water supply, each work place shall be provided with storage where such drinking water shall be stored.
- (iii) Every water supply or storage shall be at a distance of not less than 50 feet from any latrine drain or other source of pollution. Where water has to be drawn from an existing well which is within such proximity of latrine, drain or any other source of pollution, the well shall be properly chlorinated before water is drawn from it for drinking. All such wells shall be entirely closed in and be provided with a trap door which shall be dust and waterproof.
- (iv) A reliable pump shall be fitted to each covered well, the trap door shall be kept locked and opened only for cleaning or inspection which shall be done at least once a month.

**5. ANTI-MALARIAL PRECAUTIONS**

The contractor shall at his own expense, conform to all anti-malarial instructions given by the Engineer-in-Charge including the filling up of any borrow pits which may have been dug by him.

- 6.** The above rules shall be incorporated in the contracts and in notice inviting tenders and shall form an integral part of the contracts.

**7. AMENDMENTS**

Government may, from time to time, add to or amend these rules and issue directions - it may consider necessary for the purpose of removing any difficulty which may arise in the administration thereof.

**For & on behalf of Tenderer**

**SECTION-VI**

**ELEGIBILITY CRITERIA AND IT, S FROMS:  
FORM 'A'  
LETTER OF TRANSMITTAL**

To  
Chief Executive Director (Envt & CM)  
WAPCOS Limited  
Environment Division  
76-C, Sector -18,  
Gurgaon -122015

**Subject:** Submission of bids for the work of “Annual Repair and Maintenance of Residential and Non-Residential Building (Civil and Electrical work) at ESI Hospital Choudwar (Package-1)

Sir,

Having examined the details given in press notice and bid document for the above work, I/we hereby submit the relevant information.

1. I/we hereby certify that all the statement made and information supplied in the enclosed forms A to H and accompanying statement are true and correct.
2. I/we have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
3. I/we submit the following certificates in support of our suitability, technical knowledge and capability for having successfully completed the following eligible similar works:

<b>Name of work</b>	<b>Certificate from</b>

**Certificate:**

**It is certified that the information given in the enclosed technical bid are correct. It is also certified that I/we shall be liable to be debarred, disqualified/ cancellation of enlistment in case any information furnished by me/us found to be incorrect.**

Enclosures:

Seal of bidder

Date of submission:

Signature(s) of Bidder(s)

**FORM 'B'**

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**FINANCIAL INFORMATION**

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1. Financial Analysis: Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last three years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

<b>Years</b>	<b>Gross Annual Turnover</b>	<b>Profit/Loss (After Tax)</b>
<b>2022-2023</b>		
<b>2021-2022</b>		
<b>2020-2021</b>		
<b>2019-2020</b>		
<b>2018-2019</b>		

**Signature of Chartered Accountant  
(UDIN Number and Seal)**

**Signature of Bidder(s).  
(with Seal)**

**FORM C**  
**BANKERS' CERTIFICATE FROM A SCHEDULED COMERCIAL BANK**

To

Chief Executive Director (Envt & CM)  
WAPCOS Limited  
Environment Division  
76-C, Sector -18,  
Gurgaon -122015

**Subject: Submission of bids for the work of “Annual Repair and Maintenance of Residential and Non-Residential Building (Civil and Electrical work) at ESI Hospital Choudwar (Package-1)**

This is to certify that to the best of our knowledge and information that

M/s..... having marginally noted address, as a  
Customer of our bank are/is respectable and can be treated as good for any engagement upt o a limit  
of Rs.....  
(Rupees.....  
...)

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

(Signature) For the Bank  
(Email id of Bank)

NOTE:

1. Bankers Certificates should be on letter head of the Bank, addressed to tendering authority.
2. In case of Partnership firm, certificate should include names of all partners as recorded with the Bank.

**FORM D**

**DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED DURING LAST FIVE YEARS**

Sl. No	Name of Project & Location	Owner or sponsoring organization	Cost of work in crores of rupees	Date of Commencement as per contract	Stipulated date of completion	Actual date of completion	Name and address/ telephone number of officer to whom reference may be made
1							
2							
3							

**(Signature of the Bidder)**

**Note:** This should be accompanied by Completion certificate and work order along with bill of quantities

**FORMAT FOR POWER OF ATTORNEY FOR SIGNING OF PROPOSAL  
FOR AUTHORIZED SIGNATORY  
( On Rs. 100 stamp paper)**

Know all men by these presents, we  
..... (Name of the  
Tenderer and address of their registered office) do hereby constitute, appoint and authorize Mr  
/Ms.....(name and residential address of Power  
of Attorney holder) who is presently employed with us and holding the position  
of.....  
as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in  
connection with or incidental to our Bid for the Project and submission of all documents and  
providing information / responses to  
\_\_\_\_\_, representing us in all matters before \_\_\_\_\_, and generally dealing  
with  
\_\_\_\_\_ in all matters in connection with our proposal for the said Project. We  
hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this  
Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and  
shall always be deemed to have been done by us.



**FORM “E” (On letter head)  
STRUCTURE & ORGANISATION**

S.No.	Particulars	Details Submitted by Bidder
1.	Name & address of the Bidder:	
2.	Telephone no./Mobile No./Telex no./Fax no.	
3.	Email id for communication	
4.	Legal status of the bidder (attach copies of original document defining the legal status)  (a) An Individual  (b) A proprietary firm  (c) A firm in partnership  (d) A limited company or Corporation	
	Particulars of registration with various Government Bodies (attach attested photocopy)	
5.	Organization/Place of Registration  1.  2.  3.	Registration No.
6.	Names and titles of Directors & Officers with designation to be concerned with this work along with their contact number and Email id	
7.	Designation of individuals authorized to act for the organization	
8.	Has the bidder, or any constituent partner in case of partnership firm Limited Company/ Joint Venture, ever been convicted by the court of law? If so, give details.	
9.	Banker of Agency with full address (Attach bankers certificate of account maintenance for the last two years) Telephone number of banker	

10	PAN of the firm	
11	Statutory requirements: a) Whether the firm/company is registered with labour Department of State Government/UT Administration b) Whether the firm/company is registered under the employees State Insurance Act, 1948 c) Whether the firm/company is registered under the Employees Provident Fund and Miscellaneous Provision Act, 1952.	
12.	ESI, P.F, GST, Labour Registration No.	
13.	GST Paid last receipt	
14	Affidavit by the firms to pay minimum rates wages to the workers engaged as per applicable order Government CLC and to enhance the rates, as and when it is revised.	
15.	Undertaking by the firm to provide clearance from police authorities in respect of workers.	
16.	Any other information considered necessary but not included above.	

**Signature of Bidder(s)**

**Name:**

**Seal (firm/company)**

**Date:**

**Place:**

**(Note all the supporting documents shall be attached with Bid documents)**

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**FORM-F**

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**Format of Undertaking to be furnished on Company Letter Head with regard to  
Blacklisting/Non-Debarment by the contracting Agency**

**Name of work:**

**Ref: Tender No.....dated.....**

**To**

Chief Executive Director (Envt & CM)  
WAPCOS Limited  
Environment Division  
76-C, Sector -18,  
Gurgaon -122015

This is to certify that we have taken the cognizance of Blacklisting Policy of WAPCOS Limited. Further, we hereby confirm and declare that we, M/s....., is not blacklisted/de-registered/debarred by any Government department/Public Sector Undertaking/Private Sector/or any other agency for which we have Executed/undertaken the works/services during the last 5 years.

For.....  
Authorized Signatory  
Date:-

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**FORM-G**

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**FORMAT FOR UNDERSTANDING THE PROJECT SITE**

*(on Bidder Letter Head)*

To

Chief Executive Director (Envt & CM)  
WAPCOS Limited  
Environment Division  
76-C, Sector -18,  
Gurgaon -122015

**Subject: Undertaking of the Site**

Sir,

I/we hereby certify that I/we have examined & inspected the site & its surrounding satisfactorily, where the project is to be executed as per the scope of works. I/ We are well aware about the Location and conditions etc.

I/ We hereby submit our BID considering above all facts gathered during site visit and each & every aspect have been considered in the Quoted cost of the project as per BOQ

Yours faithfully,

Date: (Signature, name and designation of the Authorized signatory)

Place:

**Name and seal of Bidder**

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**FORM-H**

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**FORMAT FOR NO DEVIATION CERTIFICATE**

[To be submitted on Bidder's Letter Head]

To,

Chief Executive Director (Envt & CM)  
WAPCOS Limited  
Environment Division  
76-C, Sector -18,  
Gurgaon -122015

**Subject: No Deviation Certificate**

Dear Sir,

With reference to above this is to confirm that as per Tender conditions we have visited site before submission of our Offer and noted the job content and site condition etc. We also confirm that we have not changed/modified the above tender document and in case of observance of the same at any stage it shall be treated as null and void.

We hereby also confirm that we have not taken any deviation from Tender Clause together with other reference as enumerated in the above referred Notice Inviting Tender and we hereby convey our unconditional acceptance to all terms & conditions as stipulated in the Tender Document.

In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null and void.

Thanking you,

Yours faithfully,

Date: (Signature, name and designation of the Authorized signatory)

Place:

**Name and seal of Bidder**

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**FORM-I**

**CONSENT LETTER FOR INTEGRITY PACT**

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To,

Chief Executive Director (Env & CM)  
WAPCOS Limited  
Environment Division  
76-C, Sector -18,  
Gurgaon -122015  
**Sub: Integrity Pact**

Dear Sir,

I/We acknowledge that WAPCOS 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 WAPCOS. 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, WAPCOS 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,

Date:

(Signature, name and designation  
of the Authorized signatory)

Place:

**Name and seal of Bidder**

**FORMAT FOR INTEGRITY PACT  
(On Rs. 100 stamp paper)**

This Integrity Agreement is made at ..... on this ..... day of ..... 20.....

**BETWEEN**

WAPCOS Limited, New Delhi (Hereinafter referred as the „**Principal/Owner**“, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

**AND**

.....  
(Name and Address of the Individual/firm/Company) through  
..... (Hereinafter referred to as the  
(Details of duly authorized signatory) **“Bidder/Contractor”** and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

**Preamble**

WHEREAS the Principal / Owner has floated the Tender (NIT No. ....)  
(hereinafter referred to as “Tender/Bid”) and intends to award, under laid down organizational procedure, contract for..... (Name of work)  
hereinafter referred to as the “Contract”.

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

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

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

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

(1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:

(a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

(b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.

(c) The Principal/Owner shall endeavour to exclude from the process any person, whose conduct in the past has been of biased nature.

(2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

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

(1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the WAPCOS all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

(2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:

(a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.

(b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

(c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

(d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

(e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.



(3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

(4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the WAPCOS interests.

(5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/her reputation or property to influence their participation in the tendering process).

### **Article 3: Consequences of Breach**

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

(1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days' notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.

(2) Forfeiture of EMD/Performance Guarantee/Security Deposit: If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.

(3) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

### **Article 4: Previous Transgression**

(1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or

State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

(2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.

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

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

(1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/sub-vendors

(2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.

(3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

**Article 6- Duration of the Pact**

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, WAPCOS.

**Article 7- Other Provisions**

(1) This Pact is subject to Indian Law, place of performance and jurisdiction is the Head quarters of the Principal/Owner, who has floated the Tender.

(2) Changes and supplements need to be made in writing. Side agreements have not been made.

(3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.

(4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

(5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in

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

**Article 8- Legal and Prior Rights**

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

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

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

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

**WITNESSES:**

1. ....  
(signature, name and address)

2. ....  
(signature, name and address)

Place:

Dated:

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FORM-J

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**Affidavit  
Payment of Wages**

- Contractor through Bank or ECS or online transfer to his bank account shall pay wages due to every worker to him direct.
- All wages shall be paid through Bank or ECS or online transfer
- It shall be the duty of the contractor to ensure the disbursement of wages through bank account of labour
- The contractor shall obtain from the authorized representative of the Engineer-in-charge as the case maybe, a certified under his signature at the end of the entire in the “Register of wages” or the “Wages cum-Muster Roll” as the case may be in the following form:

**“Certified that the amount shown in column no.....has been paid to the workman concerned through bank account of labour on.....at.....”**

The field units may also pursue with contractors of the existing contract to make payment to the labour by the contractor through Bank or ECS or online transfer also.

**SECTION-VII**

**SCOPE OF WORK**

The scope of work includes “Annual Repair and maintenance of residential and nonresidential building (Civil and Electrical work) at ESI hospital choudwar” for the year of 2024-25. ESIC/WAPCOS reserves the right to add or delete any dispensary/ office in the below mentioned list.

<b>S. No.</b>	<b>Name of the Buildings/Premises</b>	<b>Location</b>
<b>1</b>	ESI Hospital	Choudwar, Odisha

For carrying out comprehensive Repairs & Maintenance of its existing infrastructure comprising of Buildings & Services including Equipment and Plants rendering specialized services:

- Annual Repairs and Maintenance & Operations (ARMO) of Buildings & Services
- Day to day Maintenance of Buildings & Services
- Day to day Operation & Maintenance of Equipment and Plants rendering specialized services
- The contractor will carry out all preventive maintenance / Checks as per CPWD Specification and works procedure.

After a comprehensive condition survey of the existing infrastructure i.e. Buildings, Services, Equipment is & Plants including ancillary structures existing inside the premises/complex shall be carried out by them to assess the maintenance needs for each component of the infrastructure for restoring and sustaining the utility of the facilities.

**a) NATURE OF THE WORK AS REQUIRE: ARM OF CIVIL WORKS**

All Carriage of material by mechanical transport including loading and unloading with earth excavation of all kind of soil. Clearing outside periphery of premises removal and Disposal of rubbish/moorum/ malba/similar waste material by local transport including loading, unloading and transportation and proposal of following requirements also included in the estimate bellow:

- Providing & fixing of Items as per the Requirement as per the CPWD and Government guidelines.
- Portland Cement (OPC-43 grade), White Cement, Coarse sand (zone III), Fine sand (zone IV), Common burnt clay F.P.S. bricks tile class designation 10, Water proofing materials, Stone Aggregate (Single size) : 20 mm & 10mm nominal size, Bleaching powder, Ceramic Glazed Tiles 1st quality 300 x 300 mm in all shades , G.I. Pipes Class/PVC, G.I. Tees ( Equal) /PVC, G.I. Elbow/PVC, G.I. Nipple/PVC, S.C.I. Single equal tee, S.C.I. Plain Bend, S.C.I. Plain shoe Bend, Mild Steel Clamps, Stainless steel screws etc.
- Routine Maintenance Work as require:

- Cleaning of choked sewer line by diesel running vehicle mounting hydraulic operated high pressure suction cum jetting sewer cleaning machine; Cleaning of terrace/loft water storage; Hacking of CC flooring including cleaning for surface etc.
- Dismantling G.I. pipe including stacking; 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; Painting Steel work with Deluxe Multi Surface Paint to give an even shade; Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames.
- Day to day Repair & Maintenance of building.
- Plumbing Work, Sanitary Work, Carpenter & Masonry Work
- Aluminum & Steel Repair Work.
- To keep sewer line functional.
- Work of Horticulture / landscaping etc.
- Any Other Work assigned by WAPCOS/Medical Superintendent/Engineer (ESIC) as per respective jurisdiction of buildings.
- Attending blockage of drain pipes, gully trap, and manholes. Water supply, Sanitary Storm Drainage & Sewage Disposal work.
- Plumbing related maintenance work related to pump house, attending the leakage from taps and valves, sanitary fixtures, fixtures for water supply etc.
- Occasional replacement of water supply fittings/sanitary fixtures on need basis.
- Periodical cleaning of overhead tanks, underground tanks etc. The date of cleaning to be painted on the surface.
- Any other such works directly related to civil maintenance of the Buildings.
- Providing of manpower for the civil Maintenance such as plaster repair, painting, flooring repair, etc.
- Horticulture Development and Maintenance in the entire premises along with temporary planters in the building common areas.

**b) NATURE OF THE WORK AS REQUIRE: ARM OF ELECTRICAL WORKS**

- Wiring for light point/ fan point/ exhaust fan point/ call bell point
- Re Wiring for light point/ fan point/ exhaust fan point/ call bell point.
- Wiring for circuit/ submain.
- Installation of exhaust fan
- Earthing with G.I. earth pipe and building loop earthing as per IS 3043
- Providing Conduit, Socket(6A/16A), MCB, RCCB, ISOLATOR, Lugs, LED light, Ceiling fan etc
- Repairing and re-winding of A.C ceiling fan and AC MAINTANANCE.
- Replacement ball/ baring /bush of A.C Ceiling fans and Replacement of fan condenser.
- Supply & Refilling of FIRE FIGHTING ABC Powder extinguisher and CO2 extinguisher.
- Maintenance of panel main including VCB/ACB and other electrical equipment with painting once per year.
- Street light repair and installation.
- Comprehensive/Annual maintenance of DG set including replacement of engine oil ,coolant, oil filter, moble filter, air filter, and other as per site requirement.

- Annual Servicing of substation (AB Switch, Transformer, fuse unit and painting).
- Annual pump service.
- Operation of Substation, LT & HT Panels, Pump Operation, D.G. Set, Fire Fighting Services, Lift Operation, Transformer, Electrical Panel.
- Electrical Fitting and Fixtures i.e. Lights, Fans, Switches, Sockets, Wirings etc.
- Any Other Work assigned by WAPCOS/ Medical Superintendent/Engineer as per respective jurisdiction of buildings.

Detailed scope of work but not limited to are:

- Operation and Routine maintenance of 11/440 kV Substations, Co-ordination with WAPCOS/ESIC in troubleshooting.
- Operation & Maintenance of LT power distribution network etc inside the ESIC premises.
- Operation & Maintenance of street lightning system/ other light system inside the ESIC premises.
- Operation & Maintenance of DG sets.
- Maintenance of Electrical system in Administrative building, intake well pump house, canteen , MGP, Fire Pump houses etc. This shall include routine maintenance works as well as planned preventive maintenance works & break down works.
- Assisting WAPCOS/ESIC officers in activities related with power distribution system, logging and retrieving data regarding power consumption and history. Taking energy meter readings of DG Sets installed by ESIC as well as various units inside ESIC building premises and recording the same in log books/registers.
- Logging of power consumption parameters and logging in substation registers. Recording all routine, preventive and breakdown maintenance details in substation registers including details of trouble/defect reported, root cause, action/rectification works done, time taken for repair/rectification works, spares/materials used etc.
- Upkeep, cleaning, grass cutting of substation building/switchyard and all electrical rooms, Lift machine rooms, generator rooms, Bus riser cabins etc. at regular interval.

All electrical work should be as per CPWD specification and Government of India Electrical inspectorate norms/Government of India norms.

**C) Manpower Deployment:**

- Deployment of adequate manpower like Electrician, Lift operator, DG Operator, Fire technician, Mason, Plumber, Carpenter, Helpers, Gardner, Sewer man, Supervisor etc. so as to ensure the Smooth functioning of the offices and maintenance of the buildings.
- Manpower attendance register is to be maintained properly. AEBAS attendance is compulsory for manpower.

- Uniform, ID Card, safety shoes and other tools have to be provided to each and every staff by the agency.
  - The Working Staff should be professionally qualified and must be trained.
  - Number of manpower to deploy at site will be increased or decreased as per the requirement of ESIC/WAPCOS Limited. Supervisor required to be deployed at site by Contractor at his own cost for smooth function of work at site. Similarly, quantities of item mentioned in the BoQ shall be increased or decreased as per the site requirement or ESIC/WAPCOS directions.
  - Manpower deployment schedule has to be finalized by the contractor as per the WAPCOS/ESIC Guidelines and in consultation with WAPCOS/ Medical Superintendent /Engineer as per respective jurisdiction of buildings.
- D. The contractor will carry out all preventive maintenance / Checks as per CPWD Specification and works procedure.
- E. The scope of work under this contract can be increased/decreased accordingly on same terms and condition as per prevailing DSR/ NDSR (at the time of extension, if any) with rates will be applicable in contract. Any increase in the scope of work shall be in terms of CVC guidelines and with prior approval of competent authority of ESIC
- G. Ensuring that the Contractor(s) implement required Health, Safety & Environmental (HSE) practices at the Construction Sites and they also comply with all statutory obligations relate to workmen deployed at the Site like compliance of Labour laws, minimum wages as per CLC, ESI, EPF & Bonus etc.
- H. Obtaining necessary Statutory Approvals / Permission / Clearances/ Certificates from the concerned Local Bodies & Statutory Authorities like Municipal Corporation, Town Planning Board, Electricity Board / Fire Department, State / Central Pollution Control Boards, State / Central Environmental Authorities etc. as applicable.
- I. Intimating ESIC/WAPCOS about any excess expenditure likely to be incurred over and above the approved estimate and also about possibility of Time Overrun as soon as it comes to its knowledge along with reasons and justifications thereof for necessary approvals from ESIC before committing / incurring the extra / additional expenditure.
- J. All emergent Repair and Maintenance related complaints shall be attended to within twenty four hours and routine/ non-emergent Repairs shall be attended within 48 hours, falling which a recovery of Rs. 1000.00 per event per day shall be made from the subsequent payments to the agency.



- K. In the event of failure to attend the complaint within 03 days, The Authorized officer of ESIC/WAPCOS will get the work done at the risk and cost of the agency and expenditure incurred will be deducted from the subsequent payment of the agency.
- L. The contractor shall compensate ESIC/WAPCOS for any losses incurred by theft, illegal or fraudulent Activities of the manpower deployed directly or through his manpower/contractor
- M. The agency has to maintain daily category wise attendance register recording the name and designation of staff & workers. The attendance shall be marked in register by agency's manager/engineer in charge at the start & closer of each shift. The engineer-in-charge or his authorized representative may check the physical attendance of any staff and worker at any time. If any staff and/or workers found absent without his substitute (duly authorized by agency) the penalty shall be recovered from the running or final bills of the agency as per rate quoted by the bidder.
- N. The engineer-in-charge or his authorized representative may check the performance on day to day basis and if it is found poor performance, penalty of Rs. 50,000 shall be imposed. In case of repetition, penalty shall be increased by 1.00 lakh to 1.5 lakh and after 3rd term contract may be terminated.
- O. Agency shall not execute any work without knowledge of WAPCOS/ESI . Any increase in the scope of work shall be in terms of CVC guidelines and with prior written approval of competent authority of ESIC then only consider else agency should bear cost and expenditure with his at risk and cost .

The integration between the functions of the various components based on Office building & its premises requirement is of paramount importance.

**LIST OF MAKE**

Acceptable makes of materials to be used in the work are as follows. In case of non-availability of these makes, after the approval of WAPCOS/ESIC, the Contractor can use the alternative makes only BIS marked materials. Non BIS marked materials may be permitted by the WAPCOS only when BIS marked materials are not manufactured.

<b><u>WAPCOS LTD</u></b>		
<b><u>LIST OF APPROVED MAKES</u></b>		
<i>NOTE: THE CONTRACTOR SHALL QUOTE HIS RATES ON THE BASIS OF THE PRICE OF BEST QUALITY PRODUCT OF THE BRAND / MAKE. IN CASE ANY PARTICULAR BRAND OF ITEM IS NOT ACCEPTABLE TO THE CLIENT, THE CONTRACTOR SHALL SUPPLY ITEMS OF OTHER APPROVED BRANDS AT NO EXTRA COST.</i>		
<b>SL. NO.</b>	<b>MATERIAL</b>	<b>MAKES/MANUFACTURER</b>
<b>A</b>	<b>CIVIL WORKS</b>	
A 1	CONCRETE ADDITIVE	SIKA/ STP/CICO TECH LTD /PIDILITE/ FOSROC/FAIRMATE/ MC BOUCHEMIE/ CHOKESY/BASF
A 2	ADHESIVE FOR DOOR WORK	FEVICOL/VAMICOL/DUNLOP
A 3	DASH FASTENERS	HILTI/ FISCHER/ BOSCH
A 4	DOOR LOCKS / LATCHER	GODREJ/ HARRISON/ LINK/ PLAZA/ GOLDEN
	ALUMINUM SECTIONS	JINDAL/ HINDALCO/ INDALCO
A 5	FIXTURES/FITTINGS FOR ALUMINUM DOORS AND WINDOWS	EVERLITE / ARGENT/ CLASSIC/ CROWN/ EARL BIHARI/ SIGMA/ BRASSES/ BUSH
A 6	DASH FASTNER	HILTI/ FISHER/ CANON
A 7	FRP CHAJJA & DOORS	FIBERWAYS/ FIBRE ENGINEER
A8	BITUMASTIC FIBRE BOARD	SHALIMAR TAR PRODUCT/FOSROC/BASF
A 9	EXPANSION JOINT SYSTEM	HERCULES / J. SONS/KANTAFLEX
A 10	FIRE DOORS	NAVAIR/ SHAKTI - MET DOR/ GODREJ
A 11	FLUSH DOOR SHUTTERS	DURO/GREENPLY/CENTURY/ NATIONAL PLYWOOD/ KITPLY
A 12	STAINLESS STEEL HARDWARE	ARKAY/ GODREJ/ D-LINE/ CARL-F
A 13	LAMINATES	DURO/ CENTURY/ GREENLAM/ FORMICA/ DECOLAM/ EURO
A 14	PLYWOOD/ BLOCKBOARD/ PLY BOARD	DURO/ GREENPLY/CENTURY/ KITPLY/ GREENLAM/ NOVAPAN/ MARRINO/ GREENPLY/ EURO

A 15	PRE- LAMINATED PARTICLE BOARD	ANCHOR/ NOVAPAN/ CENTURY/ GREEN PLY/ARCHIDPLY/ KITLAM
A 16	PVC CONTINUOUS FILLET FOR PERIPHERY PACKING OF GLAZINGS/ STRUCTURAL/ GLAZINGS	ROOP/ ANAND/ FOREX PLASTIC/ NAGALIA
A 17	STAINLESS STEEL BOLTS / WASHERS / NUTS & SCREWS	KUNDAN/ PUJA/ ATULI
A 18	STAINLESS STEEL FRICTION/SPRING HINGES	EARL BIHARI/ SECURISTYLE/ EBCO /ARKAY
A 19	SS STAIRCASE RAILING	JINDAL STAINLESS STEEL/ ICICH INDUSTRIES/ ESSAL
A 20	M.S. PIPE	JINDAL/ PRAKASH- SURYA/ KALINGA/ TATA / TT SWASTIK
A 21	CERAMIC TILES	JOHNSON/ SOMANY/ KAJARIA/ SPARTEK/ NITCO/ ORIENT/ BELL CERAMICS
A 22	CEREMAIC FLOOR TILES	JOHNSON/ SOMANY/ KAJARIA/ SPARTEK/ NITCO/ ORIENT/ ASIAN
A 23	ADHESIVE FOR TILES	CICO/BELL/PIDILITE/BALENDURA/BASF/SIKA/FAIR MATE/ FERROUS
A 24	COMPRESSED CHEQUERED TILES	JOHNSON/ SOMANY/ KAJARIA/ SPARTEK/ NITCO/ ORIENT/ BELL /SCORPIO/ULTRA
A 25	VITRIFIED TILES	NITCO/ NAVEEN/ BELL/ H.R. JOHNSON/ KAJARIA/ SOMANY / EURO
A 26	MOSAIC TILES	NITCO, MODERN, SWASTIC
A 27	TERRAZZO TILES	NITCO, MODERN, SWASTIC
A 28	GLASS MOSAIC TILES	ITALIA, NITCO, OPIO
A 29	ROCKWOOL/MINERAL WOOL/PUF	M/S LLOYD INSULATIONS INDIA LTD./ MALARPUR ENTECH/ARMACELL
A 30	WATER PROOFING MATERIAL	SHALIMAR TAR PRODUCTS/ IWL (INDIA) LTD. / LLYOD INSULATIONS INDIA LTD. / CHEMISOL ADHESIVE PVT. LTD. MUMBAI/ INDIAN WATER PROOFING /OVERSEAS WATER PROOFING/ (CHEMISTIK) TEXAS LTD/ FOSROC /SIKA / CICO TECH LTD/ MC BOUCHEME/BASF

A 31	METAL SHEET ROOFING	M/S LLOYD INSULATIONS INDIA LTD./ M/S KIRBY / M/S TATA BLUE SCOPE / M/S INTER ARCH / KARTHIK ROOFINGS
A 32	DRY DISTEMPER	ICI / BERGER / ASIAN / SHALIMAR / NEROLAC /JOHNSON & NICHOLSAN
A 33	OIL BOUND DISTEMPER/ACRYLIC WASHABLE DISTEMP[ER	
A 34	OTHER PAINTS/ PRIMER	
A 35	PLASTIC EMULSION PAINT	
A 36	SYNTHETIC ENAMEL PAINTS	
A 37	RESIN BASED PAINTS	
A 38	EXTERNAL EMULSION PAINT	
A 39	TEXTURE PAINT	BERGER/ J & N/ SPECTRUM/ ASIAN / SHALIMAR/ ICI
A 40	TEMPERED GLASS/GLASS PAN	MODI FLOAT/ SAINT GOBAIN/ ASAHI
A 41	CLEAR GLASS/ CLEAR FLOAT GLASS/ TOUGHENED GLASS	MODI FLOAT/ SAINT GOBAIN (SG)/ ASAHI INDIA / GSC/ ATUL
A 42	FALSE CEILING	INDIA GYPSUM/ LAFFARGE /ST. GOBAIN/ DIAMOND FALSE CEILING TILES
A 43	POLYSULPHIDE SEALANT	PIDILITE/ FOSROC/ CHOKSEY/ CICO TECH LTD /SIKA / MC BOUCHEMIE / BASF/FAIR MATE
A 44	ALUMINIUM EXTRUSIONS	INDAL/ HINDALCO/ JINDAL.
A 45	ALUMINIUM FABRICATORS	M/S. INTERNATIONAL GLASS HOUSE / M/S. AGV ALFA LAB LTD. / M/S. CONSOLIDATED ENGG. COMPANY/ M/S. AJIT (INDIA) PVT. LTD. / CALCO / ALKARMA/ M/S. G-FAB PVT. LTD.
A 46	HYDRUALIC DOOR CLOSER / DOOR CLOSER/ FLOOR SPRING	DOORKING/EVERITE/ HARDWYN/MASTER/ SPECIFY LOCCALC/ DORMA/ GODREJ
A 47	CEMENT	ACC (ASSOCIATED CEMENT CO.)/ L&T/ AMBUJA CEMENT / BIRLA CORP. LTD. JK CEMENT/ GRASIM CEMENT / SHREE CEMENT / CENTURY / PRISM / INDIA CEMENT / BINANI/RAMCO
A 48	CEMENT WAL PUTTY	BIRLA WALL CARE/ J.K. WALL CARE
A 49	APP	BITUMAT CO LTD/ ROFLEX/ STP/ DERMABIT APEX
A 50	GRASS PAVERS	UNISTONE/ ULTRA/ HINDUSTAN/ K.K.
A 51	READY MIX CONCRETE	POABSONS/PTC/PRISM/ULTRATECH/ LAFARGE/ALCHON/ ACC/ L&T
A 52	STEEL REINFORCEMENT RODS	SAIL/ RASHTRIYA ISPAT NIGAM LTD. / TISCO/ IISCO/JINDAL/ TATA

A 53	CALCIUM SILICATE BOARDS	HILUX / AEROLITE
A 54	GI METAL CEILING	AMSTRONG/ GYPROC/ DIAMOND FALSE CEILING TILES
A 55	E.P.D.M. GASKETS	ANAND REDDIPLEX/ ENVIRO SEALS
A 56	SILICON SEALANTS (I) WEATHER SEALANT (II) STRUCTURAL GLAZING SEALANT	GE- SILICON/ PIDILITE/CHOKSEY/ WACKER/ FORSOC/ CICO/ DOW CORNING/ SIKA/
A 57	WHITE CEMENT	BIRLA WHITE/ J.K. / GRASIM/ ACC WHITE CEMENT
A 58	MICRO PERFORATED GFR (GLASS FIBER REINFORCED)	SAINT GOBAIN/ANUTONE
A 59	GI SHEET	SAIL/ TATA SHAKTI/ JINDAL/SWASTIK
A 60	STRUCTURE M.S. SECTIONS I & CHANNELS	ISI MARKED TISCO/ JINDAL/ SAIL/ RANA/ RATHI
A 61	STRUCTURAL EXTRUDED SECTIONS TEE, ANGLE IRON, FLATS ETC AND TMT BARS	ISI MARKED RANA/ TATA/ RATHI
A 62	STEEL WORKS WITH HOT FINISHED WELDED TYPE TUBULAR TRUSSES	BST/ JINDAL/ RAVINDRA/ SURYA
A 63	PRECAST CC INTERLOCKING PAVER BLOCK, KERN STONE	NITCO/ KK MANHOLE & GRATINGS CO. PVT LTD. /KONKRETE PRODUCTION CO./ TERRA FIRMA
A 64	POP (PLATER OF PARIS)	BIRLA WHITE/ SAKARNI/ JK LAXMI
A 65	NON-AC SHEETS	ISI MARKED LOTUS, CHARMINAR, UPPAL, ACC
A 66	CENTRIFUGALLY COST & PIPE	NECO/ TRUFORM/ TECNO SALES CORPORATIONS
<b>B</b>	<b>PLUMBING WORKS</b>	
B 1	VITREOUS CHINA SANITARYWARE	HINDWARE / PARRYWARE /CERA /COMMANDER/ KOHLER/ NEYCER/ KOHLER
B 2	W.C. SEATS & COVER	HINDWARE / PARRYWARE /CERA /COMMANDER
B 3	PVC CISTERN	COMMANDER/ DURALITE/ HINDWARE/ CORAL/ SPEEDFLOW/ STEELBIRD/ JINDAL/ SEABIRD
B 4	STAINLESS STEEL SINKS	JAYNA/KINGSTON/ NEELKANTH /NIRALI
B 5	C.P. FITTINGS & ACCESSORIES & FLUSH VALVES	JAQUAR/PARKO/ KINGSTON/HINDWARE / ESS-ESS
B 6	LIQUID SOAP DISPENSER	CHILLY/EURONICS/CAMRY/ UTEC / KOPAL
B 7	UPVC PIPES & FITTINGS CONFORMING TO IS : 13592	SUPREME / FINOLEX / PRINCE /AKG / KISAN/ PRAKASH
B 8	UPVC DOORS/ WINDOWS	FENESTA/ REHAU/ POLYWOOD

**WAP/ENVT/ESIC-ARMO/ODISHA /2024/Pkg-1/01**

B 9	DUCTILE IRON PIPES (IS:8329)	ELECTROSTEEL/KESORAM/JINDAL
B 10	DUCTILE IRON FITTINGS (IS:9523)	ELECTROSTEEL/KESORAM/JINDAL/KARTAR
B 11	RCC PIPES	INDIAN HUME PIPE/PRAGATI CONCRETE UDYOG/THIRUNELVELI SPUN PIPES/THULUVANIKKAL PIPES
B 12	G.I. PIPES	TATA/ JINDAL / PRAKASH / SURYA
B 13	G.I. FITTINGS	ISI MARKED UNIK/ UK/ SURYA/ PRAKASH
B 14	MALLEABLE CAST IRON FITTINGS	R/KS / UNIK / ZOLOTO
B 15	MODULAR KITCHEN ACCESSORIES	STALLION/ SPARKLE TOP/ HETTICH
B 16	PTMT FITTINGS	PARYAG/ WILSON
B 17	CPVC PIPES & FITTINGS	AJAY / ASTRAL / ASHIRWAD /SUPREME/FLOW GUARD
B 18	UPVC PIPES CONFORMING TO IS: 4985-2000	SUPREME / FINOLEX / AKG / KISAN/ FLOW GUARD
B 19	GUN METAL VALVES (FULLWAY, CHECK AND GLOBE VALVES)	ZOLOTO / LEADER / SAINT/KARTAR/ATAM
B 20	C.I. VALVES (FULLWAY, CHECK AND GLOBE VALVES)	ZOLOTO/ KIRLOSKAR / SANT / CASTLE / KARTAR/ATAM
B 21	BALL COCKS, CHECK & FOOT VALVE, PRV, AIR VALVE	GPA/SANT/L & K / TBS / ZOLOTO/ATAM
B 22	BALL VALVES	ZOLOTO/ IBP/ ARCO
B 23	C.I. MANHOLES COVERS AND FRAMES	NEECO / R.I.F. / B.C. /NEER/HEPCO/SKF
B 24	STAINLESS STEEL/ C P GRATING	CHILLY/CAMRY
B 25	RCC/SFRC MANHOLE COVERS/PRECAST RCC GRATING/ GULLY TRAP COVERS	KK MANHOLES & GRATING CO. PVT LTD / S K PRECAST CONCRETE/ADVENT CONCRETEVISION/ KONKRETE PRODUCTS CO.
B 26	PVC-U PIPES FOR SEWERAGE AND DRAINAGE CONFORMING TO IS:15328:2003 AND IS MARKED	SUPREME / FINOLEX / KISAN/FLOW GUARD
B 27	MIRROR/ BEVELLED EDGE MIRROR	ATUL/ MODI GUARD /GOLDEN FISH / SAINT GOBAIN

<b>C</b>	<b>ELECTRICAL WORKS</b>	
C 1	SOLAR WATER HEATING SYSTEM	TATA BP SOLAR/BIPSUN/ GREENPECH/SOLPOWER /SOLAHARTINDIA/ WBS INNOVATIONS/ ARINNA
C 2	WATER COOLERS	BLUE STAR/VOLTAS/USHA
C 3	WATER HEATER	RACOLD/VENUS / BAJAJ / SPHEREHOT / AO SMITH /V-Guard
C 4	HIGH DENSITY POLYETHYLENE(HDPE) & PVC WATER STORAGE TANK	SINTEX / ROTEX / FUSION PLASTO / POLYCON/ SHEETAL/ SPL/ STOREX/ UNITANK
C 5	HORIZONTAL CENTRIFUGAL /MONOBLOCK PUMPS	KIRLOSKAR / GRUNDFOS /HBD-BOMBAY/PENTAIR
C 6	MULTISTAGE VERTICAL CENTRIFUGAL PUMPS	GRUNDFOS / WILO /D.P./PENTAIR
C 7	SUBMERSIBLE DRAINAGE PUMPS	KSB / KISHORE / JS /WILO/PENTAIR
C 8	ELECTRIC MOTORS	(REFER TO ELECTRICAL SPECIFICATIONS)
C 9	ELECTRICAL SWITCHGEAR &STARTERS	(REFER TO ELECTRICAL SPECIFICATIONS)
C 10	ELECTRICAL PANEL	(REFER TO ELECTRICAL SPECIFICATIONS)
C 11	CABLES	(REFER TO ELECTRICAL SPECIFICATIONS)
C 12	LIQUID LEVEL CONTROLLERS LIQUID LEVEL INDICATORS	MINILEC / RADAR
C 13	BUTTERFLY VALVE	AUDCO / ZOLOTO / ADVANCE /ATAM
C 14	FRLS PVC INSULATED COPPER CONDUCTER SINGLE CORE CABLE	HAVELLS/ PLOYCAB/ FINOLEX/ GRANDLAY
C 15	XLPE INSULATED, PVC SHEATHED ALUMINIUM CONDUCTOR ARMOURED CABLE	HAVELLS/ CCI/ SKYSTONE/PLOCAB/ GRANDLAY/ FINOLEX
C 15	G.I. BOX WITH MODULAR PLATE/5/6 AMP SWITCH SOCKET OUTLET	ANCHOR AVE/ LEGRAND MYRIUS/ MK BLENZ/ SEIMENS
C 16	STEEL CONDUIT	RM CON/ NIC/ AKG/ BEC ISI MARKED
C 17	CEILING FANS 1200 mm SWEEP BEE 5 STAR RATED	CROMPTON GREAVES/ HAVELLS/ ORIENT
C 18	FEEDER PILLAR/PANEL	ADVANCE/ C&S/ AMBIT/ ADLEC/ ASPL
C 19	LOAD BANK	HAVELLS/ LEGRAND/ HPL
C 20	MCB/ MCB DB AND SHEET STEEL METAL ENCLOSED INDUSTRIAL SOCKET, PLUG TOP & ISOLATORS	LEGRAND/ SEIMENS/ABB/ HAVELLS/ L&T/ SCHNEIDER/ C&S/ G.E.

C 21	MCCB	LEGRAND/ SEIMENS/ABB/ HAVELLS/ L&T/ SCHNEIDER
C 22	LED INDICATION LIGHT & PUSH BUTTON	BCH/ C&S/ L&T/ SIEMENS
C 23	300 mm SWEEP EXHAUST FAN 900 RPM HEAVY DUTY	ORIENT/HAVELLS/ ALSTON/ USHA/ GE
C 24	PHASE INDICATION LIGHT	BCH/ L&T/ GE/ C&S
C 25	LED LUMANARIES	PHILIPS/WIPRO/CROMPTON/OSRAM
C 26	LED SMART BRIGHT EXTRA BATTEN	PHILIPS/ WIPRO/CROMPTON
C 27	14 WATT LED AESTHETICALLY DESIGNED LINER MIRROR LIGHT	PHILIPS/ WIPRO/HAVELLS/ TRILUX
C 28	21 WATT WALL MOUNTED LED BATTEN	PHILIPS/ WIPRO/HAVELLS/ CROMPTON/ TRILUX
C 29	6 WATT SURFACE/RECESS MOUNTED LED	PHILIPS/ WIPRO/HAVELLS/CROMPTON/TRILUX
C 30	12 WATT SURFACE MOUNTED LED	PHILIPS/ WIPRO/HAVELLS/CROMPTON/TRILUX
C 31	10 WATT LED TYPE BULKHEAD LUMANARIES	PHILIPS/ WIPRO/HAVELLS/CROMPTON/TRILUX
C 32	80 WATT LED FITTINGS	PHILIPS/ WIPRO/HAVELLS/CROMPTON
C 33	120 WATT LED FITTINGS	PHILIPS/ WIPRO/HAVELLS/CROMPTON
C 34	SPLIT AC	HITACHI/ CARRIER/ BLUESTAR/ DAIKIN/VOLTAS
C 35	5 KVA STABILIZER	BLUEBIRD/ LOGICSTATE/PCI/VOLTAS
C 36	OCTAGONAL POLE	VALMONT/ PHILIPS/ CROMPTON/PARUTHI
C 37	AVIATION OBSTRUCTION LIGHT FITTINGS	PHILIPS/ WIPRO/HAVELLS/CROMPTON
C 38	BRASS COMPRESSING GLAND	COMMET/GRIPWELL/HENSEL/DOWELLS
C 39	400mm OSCILLATING WALL FAN	HAVELLS/ CROMPTON/ ALSTOM/ALSTORN
C 40	70mm DIA HDPE PIPE	AKG/ DURALINE/ REX
C 41	LED SMD PANEL LIGHT	PHILIPS/ TRILUX/WIPRO/HAVELLS
C 42	HAND DRIER	EURONICS/DOLPHY
C 43	POLE BOX	SINTEX/ AKG/ MK/ HANSEL
C 44	STRAIGHT THROUGH JOINT WITH HEAT SHRINKABLE KIT	M SEAL/ DENSON/ PAYCHEM
C 45	CHANGEOVER SWITCH	C&S/ L&T/ SEIMENS/ ABB
C 46	GEYSER	USHA/ HAVELLS/ RECOLD/ CROMPTON
C 47	PUMP MOTOR STARTER	C&S/ L&T/ SEIMENS/ ABB
C 48	GI PIPE	ZENITH/JINDAL-HISSAR/ TATA WITH ISI MARKS
C 49	PVC CONDUIT/ PVC CONDUIT ACCESSORIES	AVONPLAST/ BAJAJ PLAST/ PRECISION/ ATUL/ BALCO/KONSEAL WITH ISI MARKED.
C 49	CABLE MANAGEMENT/ FLOOR TRUNKING	LEGRAND/ SCHNEIDER/ SIEMENS



**WAP/ENVT/ESIC-ARMO/ODISHA /2024/Pkg-1/01**

C 50	STEEL CONDUIT PIPE & ACCESSORIES	BEC/STEET KRAFT/ BHARAT/ GUPTA/VIKAS PIPE INDUSTRIES (ISI MARKED)
C 51	UTP DATA CABLE	LEGRAND/ MOLLEX/ D-LINK
C 52	TIMER	L&T/ SCHNEIDER/ SIEMENS/ LEGRAND
C 53	METERS (DIGITAL TYPE)	AE/ L&T/ CONSZERV/SCHNEIDER
C 54	CT'S	KAPPA/ AE/ RISHABH
C 55	PHENOLIC LAMINATED SHEET	HYLAM/ GREEN LAM/ TATA (ISI MARKED)
C 56	RISING MAINS/ BUS TRUNKING/ TAP OFF BOX/ END FEED UNIT	C&S/ SCHNEIDER/ LEGRAND/SIEMENS/ GE
C 57	HDPE DWC PIPES	REX POLYEXTRUSION/ JAIN IRRIGATION/ DURALINE/ GEMINI
C 58	PVC INSULATED COPPER CONDUCTOR CABLE/ TELEPHONE CABLE/ CO-AXIAL TV CABLE	FINOLEX/ HAVELLS/ L&T/POLYCAB/ V-GUARD (ALL WIRES SHALL BE FRLS WITH ISI MARKED)



**VOLUME II**  
**FINANCIAL PROPOSAL**

**Letter of Transmittal for Financial Bid**

**Total Cost of Works**

**Detailed Bill of Quantity**

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**LETTER OF TRANSMITTAL FOR FINANCIAL BID**

**To**

Chief Executive Director (Envt & CM)  
WAPCOS Limited  
Environment Division  
76-C, Sector -18,  
Gurgaon -122015

**Subject:** “Annual Repair and Maintenance of Residential and Non-Residential Building (Civil and Electrical work) at ESI Hospital Choudwar (Package-1).”

Sir,

With reference to your NIT document dated ....., I/we, having examined the Bidding Documents and understood their contents, hereby submit my/our Bid for the aforesaid Project.

The Bid is unconditional and unqualified.

1. I / We acknowledge that the WAPCOS will be relying on the information provided in the BID and the documents accompanying the BID for selection of the Contractor for the aforesaid Project, and we certify that all information provided in the Bid are true and correct; nothing has been omitted which renders such information misleading; and all documents accompanying the BID are true copies of their respective originals.
2. The BID Price has been quoted by me / us after taking into consideration all the terms and conditions stated in the NIT, draft Agreement, our own estimates of costs and after a careful assessment of the site and all own the conditions that may affect the project cost and implementation of the project.
3. I/ We acknowledge the right of the Authority to reject our BID without assigning any reason or otherwise and hereby waive, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.
4. In the event of my/ our being declared as the Selected Bidder, I/we agree to enter into an Agreement in accordance with the draft that has been provided to me/us prior to the BID Due Date. We agree not to seek any changes in the aforesaid draft and agree to abide by the same.
5. I / We shall keep this offer as specified in the NIT.
6. I / We hereby submit our BID and offer for undertaking the aforesaid Project in accordance with the Bidding Documents and the Agreement.

Yours faithfully,

Date: (Signature, name and designation of the Authorized signatory)

Place: Name and seal of Bidder

**TOTAL COST OF WORKS**

<b>Description</b>	<b>Percentage Quoted(below / above / at par)</b>	<b>Total Amount as per % Quoted (excluding GST) (Rs.)</b>
Annual Repair and Maintenance of Residential and Non-Residential Building (Civil and Electrical work) at ESI Hospital Choudwar (Package-1).	DO NOT FILL PERCENTAGE HERE	DO NOT FILL COST HERE
Total amount in words: DO NOT FILL COST HERE AS IT IS TECHNICAL PROPOSAL FILE		

**Note:-**

- The Bill of quantity of tender along with rate and amount is enclosed at Volume-II-Financial proposal.
- The Performa for filling the percentage is given in Microsoft excel sheet. Bidder shall fill the percentage only up to two decimal place in soft format. The bidder will upload same filled percentage quote in soft Microsoft Excel copy during uploading of financial bid.
- The Bidder shall quote Percentage up to two decimal only in bill of quantity of tender.
- The bidder shall quote keeping in view all associated costs with the project including any out of pocket/ mobilization expenses/ Custom duty (if any) , Buildings and other construction/maintenance workers welfare cess, TDS, taxes if any applicable as per Govt. terms, shall be paid by the Contractor.
- It is mandatory to bidders to deposit GST within time limit framed by Govt. of India, if applicable. The Goods and Services Tax (GST), shall be reimbursed to the Agency only after uploading of bills by Contractor on GST Portal to avail Input benefit of GST.
- The company shall be performing all its duties of deduction TDS and other deduction on payment made to the contractor as per applicable legislation in force on the date of submission of bid or to be newly / amended introduced during the execution of the Contract.
- WAPCOS has the right to (i) ask replacement of any workers due to their mis behaviours or lack of performing duties and (ii) terminate the contract due to lack of performing duties; with a one month notice in writing in either cases.
- Conditional Bid will not be accepted under any circumstances
- The staff working in the said work shall not be allowed to carry out any part time jobs inside the zone or shall not be deployed for any other works inside the zone other than ESIC Authority works. If such instance is noticed, shall lead to termination of the contract without any advance notice and lead to further forfeiture of Security Deposit.
- Rate quoted shall be inclusive all the equipment's required for the work.
- The financial quote shall be submitted only in the prescribed format.
- ESI 3.25%, EPF13.61%, bonus 8.33% will be Reimbursement from ESIC/WAPCOS after received of ESI, EPF and Bonus Challan as per CLC rules from outsourcing agency.

**(Signature, name and designation of the Authorized signatory)**

**Name and seal of Bidder**

**Detailed Bill of Quantity**

**Work Name:** “Annual Repair and Maintenance of Residential and Non-Residential Building (Civil and Electrical work) at ESI Hospital Choudwar (Package-1).”

<b>Name of the work: Annual Repair and Maintenance of Residential and Non-Residential Buildings (Civil and Electrical work) at ESI Hospital Choudwar (Package-1)</b>		
<b>SUMMARY - TOTAL COST</b>		
<b>S.No.</b>	<b>Description</b>	<b>Amount( Rs.)</b>
<b>I</b>	<b>Civil and Electrical Work as per Annexure-A</b>	<b>6,822,659</b>
<b>II</b>	<b>Manpower as per Annexure-A</b>	<b>1903209.763</b>
	<b>Sub Total (excluding GST)</b>	<b>8,725,869.15</b>
	<b>Say</b>	<b>8,725,869</b>
<p><b>**Above mentioned rates exclusive of GST and inclusive of labour cess, other services charges and Administrative service Charges per worker as per only latest CLC norms per month quoted by the firm in financial bid shall be commensurate with the administrative and supervisory efforts required for the executing the contract</b></p>		
<p><b>* Payment shall be released only for executed quantity and manpower as per the direction of Engineer-in Charge/ESIC</b></p>		

**Name of the work: Annual Repair and Maintenance of Residential and Non-Residential Buildings (Civil and Electrical work) at ESI Hospital Choudwar (Package-1)**

**Annexure-A (Choudwar)**

<b>S.No.</b>	<b>Description</b>	<b>Amount( Rs.)</b>
	<b>Choudwar Campus works</b>	
1	Civil Material and Work DSR & MR without GST	38 71 806
2	Electrical Material and Work DSR & MR without GST	29 50 854
	<b>Total Without GST (A)</b>	<b>68 22 659</b>
	<b>Choudwar Campus Manpower</b>	
3	Manpower Sheet (Civil Maintenance Work)	18 84 366
4	Total (3)	18 84 366
	Labour Cess @ 1% on '4'	18 844
	<b>Total Without GST (B)</b>	<b>19 03 210</b>
	<b>Total without GST (D=A+B)</b>	<b>87 25 869</b>
	<b>Add 18% GST on Total "D"</b>	<b>15 70 656</b>
	<b>Total Amount</b>	<b>1 02 96 526</b>

**\*\*Above mentioned rates includes GST, labour cess, other services charges and Administrative service Charges per worker as per only latest CLC norms per month quoted by the firm in financial bid shall be commensurate with the administrative and supervisory efforts required for the executing the contract**

**\* Payment shall be released only for executed quantity and manpower as per the direction of Engineer-in Charge/ESIC**



Name of the work: Annual Repair and Maintenance of Residential and Non-Residential Buildings (Civil and Electrical work) at ESI Hospital Choudwar (Package-1)

CIVIL WORK - Choudwar Hospital and Staff Quarters and Branch office						
Sl No.	DSR 2023/M.R. Item No.	Particulars	Unit	QTY	Rate	Amount
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.	each	150	494.10	74,115.00
2	2.1.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m 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	10	129.85	1,298.50
	2.8	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.				
3	2.8.1	All kinds of soil .	Cum	10	260.30	2,603.00
	2.10	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 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 : <b>All kinds of soil</b>				
4	2.10.1.1	Pipes, cables etc, not exceeding 80 mm dia.	mtr	10	215.60	2,156.00
5	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	mtr	10	352.15	3,521.50
6	2.27	Suppling and filling in plinth with Sabarmati sand floors including, watering, ramming, consolidating and dressing complete.	cum	1	2,123.75	2,123.75
7	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	sqm	50	17.60	880.00
8	2.35.3.1	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1:2 ( 1 cement : 2 Coarse sand) to match the existing floor : <b>With Chlorpyrifos/Lindane E.C. 20% with 1% concentration</b>	sqm	100	310.05	31,005.00
9	2.35.5	Treatment at points of contact of wood work by chemical emulsion Chlorpyrifos/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.	mtr	20	279.70	5,594.00
		<b>Wood and PVC Work</b>				-
11	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 1.6 m.	Cum	10	196.00	1,960.00
12	2.25a	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth,sides of foundation etc. complete.	Cum	20	700.50	14,010.00
	2.28	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift up to 1.5 m. to 50 m and lift up to 1.5 m.				
13	2.28.1	All kinds of soil .	Sqm	50	34.15	1,707.50
14	2.32	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	200	8.95	1,790.00
		<b>Concrete works</b>				
	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level ;				

15	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources).	Cum	10	7,878.50	78,785.00
16	4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : <b>1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)</b>	cum	10	7,294.70	72,947.00
	4.2	Providing and laying cement concrete in retaining walls, return walls,walls (any thickness) including attached pilasters, columns, piers,abutments, pillars, posts, struts, buttresses, string or lacing courses,parapets, coping, bed blocks, anchor blocks, plain window sills, fillets,sunken floor etc., up to floor five level, excluding the cost of centering,shuttering and finishing:				
17	4.2.5	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)	mtr	10	9,311.40	93,114.00
	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for				
18	4.3.1	Centering and shuttering including strutting, propping etc. and removal of form work for : <b>Foundations, footings, bases for columns.</b>	sqm	50	392.15	19,607.50
19	4.7.1	Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : 1:1½:3 (1 Cement: 1½ coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	cum	1	17,889.25	17,889.25
20	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) 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	50	749.30	37,465.00
		<b>Reinforced Concrete works</b>				
21	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 : <b>1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)</b>	cum	5	8,583.40	42,917.00
	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :				
22	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	Cum	3	10,852.95	32,558.85
23	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	3	11,505.50	34,516.50
	5.9	Centering and shuttering including strutting, propping etc. and removal of				
24	5.9.1	Foundation, footing bases of column	sqm	10	392.15	3,921.50
25	5.9.2	wall including attached pilaster butteresses plinth and string course	sqm	10	842.50	8,425.00
26	5.9.3	Suspended floors, roofs, landings, balconies and access platform	sqm	10	927.25	9,272.50
27	5.9.4	Shelves (Cast in situ)	Sqm	10	927.25	9,272.50
	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
28	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more	kg	50	107.85	5,392.50
		<b>Brick Work</b>				
29	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
30	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	10	7,132.25	71,322.50

	6.2	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:				
31	6.2.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	7	6,504.90	45,534.30
	6.4	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 size in ;				
32	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	5	9,105.95	45,529.75
	6.32	Brick work with clay fly ash F.P.S. (non modular) brick of class designation 7.5 in superstructure above plinth level up to floor five level In :				
33	6.32.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cub	1	9,333.45	9,333.45
	6.13	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
34	6.13.2	Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	10	1,123.80	11,238.00
		<b>Granite Work</b>				
	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished,premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size,approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement,mixed with matching pigment, epoxy touch ups, including rubbing, curing,moulding and polishing to edges to give high gloss finish etc. completeat all levels.				
35	8.2.1.1	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters,window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment,epoxy touch ups, including rubbing,curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. <b>Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble. Area of slab upto 0.50 sqm</b>	sqm	5	3,414.80	17,074.00
36	8.2.1.2	Area of slab over 0.50 sqm	sqm	4	3,078.40	12,313.60
	8.2.2	Granite stone slab colour black, Cherry/Ruby red				
37	8.2.2.1	Area of slab upto 0.50 sqm	sqm	7	5,413.50	37,894.50
38	8.2.2.2	Area of slab over 0.50 sqm	Sqm	7	5,136.30	35,954.10
	8.3	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.				
39	8.3.2	Granite work	Mtr	50	510.95	25,547.50
40	8.6	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.	sqm	25	506.70	12,667.50
41	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	sqm	50	1,267.95	63,397.50

	8.32	<p>Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:</p> <p>(a) Structural analysis &amp; design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.</p> <p>(b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and</p>				
42	C	<p>shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.</p> <p>(c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material &amp; labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium item.s The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.</p>	Sqm	5	5,015.05	25,075.25
		<b>Wood &amp; PVC work</b>				
	9.1	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).				
43	9.1.1	Secound class teak wood	Cum	0.2	142,949.70	28,589.94
		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).				-
44	9.1.2	Sal wood	cum	0.2	116,520.30	23,304.06
	9.6	Providing and fixing 35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001 (Part B), fixing with butt hinges of required size with necessary screws, all complete as per directions of Engineer- in-charge and panelling with panel of :				
45	9.6.3	12 mm thick one side Pre-laminated particle board (decorative amination on one side and other sides balancing lamination) grade -1, medium density flat pressed, three layer particle board FPT - I or graded wood particle board FPT-1 conforming to IS : 3087 bonded with BWP type synthetic resin adhesive as per IS : 848 and pre-laminated conforming to IS : 12823,Grade -1, Type II marked :	SQM	20	3,450.30	69,006.00

46	9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with awall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size,complete as per manufacturer's specification and direction of Engineerin-complete as per manufacturer's specification and direction of Engineerin-Charge.	Mtr	71	492.70	34,981.70
	9.21	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutter :				
47	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	30	2,392.65	71,779.50
48	9.21.2	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1stclass hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters : <b>30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.</b>	sqm	20	2,172.10	43,442.00
49	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	sqm	15	462.35	6,935.25
	9.40	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc.complete :				
	9.40.1	2nd class teak wood				
50	9.40.1.2	50x20 mm	mtr	50	271.75	13,587.50
51	9.47	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets : 9.47.1 20 mm dia (heavy type)	mtr	5	181.00	905.00
52		9.47.2 25 mm dia (heavy type)	mtr	5	197.70	988.50
53	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. <b>With 2nd class teak wood beading 62X19 mm</b>	sqm	20	1,308.35	26,167.00
	9.62	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :				
54	9.62.1	300x16 mm	Each	20	216.55	4,331.00
	9.63	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :(copper oxidized as per IS :1378)				
55	9.63.1	250x10 mm	Each	30	83.90	2,517.00
56	9.64	Providing and fixing ISI marked 85x42 mm oxidised M.S. pull bolt lock conforming to IS : 7534 with necessary screws bolts, nut and washers etc. complete.	Each	10.00	122.15	1,221.50
	9.65	Providing and fixing ISI marked oxidised M.S. door latches conforming to IS:5930 with screws etc. complete :				
57	9.65.1	300x20x6 mm	Each	10.00	98.35	983.50
58	9.65.2	250x20x6 mm	Each	10.00	79.85	798.50
	9.66	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete :				
59	9.66.1	125 mm	Each	10.00	39.95	399.50
60	9.66.2	100 mm	Each	10.00	32.55	325.50
61	9.66	75 mm	Each	10.00	29.70	297.00
	9.67	Providing and fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete :				
62	9.67.1	150 mm	Each	10.00	33.10	331.00
63	9.67.2	115 mm	Each	10.00	29.70	297.00
64	9.67.3	90 mm	Each	10.00	25.30	253.00

	9.68	Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete.				
65	9.68.1	300 mm weighing not less than 200 grams	Each	10.00	67.40	674.00
66	9.68.3	250 mm weighing not less than 150 grams	Each	10.00	61.04	610.40
67	9.68.3	200 mm weighing not less than 120 grams	Each	10.00	53.95	539.50
68	9.69	Providing and fixing oxidised M.S. Safety chain with necessary fixtures for doors, (weighting not less than 450 gms)	Each	10.00	100.60	1,006.00
	9.72	Providing and fixing bright finished brass butt hinges with necessary screws etc. complete :				
69	9.72.1	125x85x5.5 mm(heavy type)	Each	40	268.65	10,746.00
70	9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6levers and a pair of lever handles of approved quality with necessary screws etc.complete	each	20	854.65	17,093.00
	9.81	Providing and fixing bright finished brass handles with screws etc.complete:				
71	9.81.1	125 mm	Each	30	256.65	7,699.50
72	9.82	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	Each	60	121.65	7,299.00
73	9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	Each	15	1,124.85	16,872.75
74	9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	Each	15	983.15	14,747.25
	9.90	Providing and fixing special quality chromium plated brass cupboard locks with six levers of approved quality including necessary screws etc. complete.				
75	9.90.4	Size 75 mm	Each	30	409.35	12,280.50
	9.92	Providing and fixing chromium plated brass handles with necessary screws etc. complete:				
76	9.92.1	125 mm	Each	10	231.05	2,310.50
	9.96	Providing and fixing aluminium sliding door bolts, ISI marked anodised(anodic coating not less than grade AC 10 as per IS : 1868),transparent or dyed to required colour or shade, with nuts and screws etc. complete				
77	9.96.1	300x 16 mm	Each	30	303.25	9,097.50
78	9.96.2	250x16mm	Each	10	260.60	2,606.00
79	9.97	P & F Aluminium tower bolt				
80	9.97.1	300x10mm	Each	10	130.10	1,301.00
81	9.97.2	250x10mm	Each	10	115.15	1,151.50
82	9.97.3	200x10mm	Each	10	99.70	997.00
83	9.100	P & F Aluminium handle				
84	9.100.1	125mm	Each	10	66.25	662.50
85	9.100.2	100mm	Each	10	59.55	595.50
86	9.101	P & F al habging door stopper				
87	9.101.1	single rubber	each	10	39.60	396.00
88	9.101.2	twin rubber	each	10	72.35	723.50
		<b>PVC</b>				
	9.106	Providing and fixing PTMT handles with necessary screws etc. complete.				
89	9.106.2	150 x34 x 24 mm weighing not less than 26 gms	Each	15	41.55	623.25
	9.108	Providing and fixing PTMT Tower Bolts with 12 mm one piece rod inside and necessary screws etc., complete.				
90	9.108.1	152x42x18 mm weighing not less than 26 gms	Each	15	69.75	1,046.25
91	9.108.2	202x42x18mm	Each	10	106.15	1,061.50
92	9.115	Proving and fixing powder coated telescopic drawer channel 300mm long with necessary screws	set	10	414.20	4,142.00

93	9.118.2	Providing and fixing to existing door frames. 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a UPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x30mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a UPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	sqm	8	3,253.80	26,030.40
	9.120	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2 ) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.				
94	9.120.1	30 mm thick plain PVC door shutters	sqm	20	3,182.95	63,659.00
95	9.122	Providing and fixing to existing door frames.				
96	9.129	Providing and fixing cup board shutters 25 mm thick, with Pre-laminated at pressed three layer particle board or graded wood particle board IS:12823 marked, exterior grade (Grade I Type II), having one side decorative lamination and other side balancing lamination, including II nd class teak wood lipping of 25 mm wide x12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge	Sqm	20	2,307.35	46,147.00
97	9.135.1	Providing and fixing fly proof stainless steel grade 304 wire gauge to windows and clerestory window using wire gauge with average width of aperture 1.4mm. With 2nd class teak wood beading 62x19mm	Sqm	10	1,597.15	15,971.50
		<b>Steel Works</b>				-
98	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	5	11,439.60	57,198.00
99	10.5.1	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. <b>Using M.S. angels 40x40x6 mm for diagonal braces.</b>	sqm	10	5,804.35	58,043.50
	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.				
100	10.16.2	Hot finished seamless type tubes	kg	500	206.35	103,175.00

101	10.22	Welding by gas or electric plant including transportation of plant at site etc. complete	cm	100	3.70	370.00
	10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
102	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	400	172.60	69,040.00
103	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-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	kg	40	772.40	30,896.00
104	10.31	Providing and fixing angle iron frames for doors, windows and ventilators of mild steel Angle sections of size 35x35x5 mm, joints mitred and welded by angle iron 35x35x5 mm or 35x 5 mm flat pieces to the existing T-iron frame or to the wall with dash fastener, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer, all complete as per the direction of Engineer-In-charge.	kg	120	130.50	15,660.00
105	10.30.1	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes	sqm	10	1,064.65	10,646.50
		<b>Flooring</b>				
106	11.3.1	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.40 mm thick with 20 mm nominal size stone aggregate	sqm	50	614.20	30,710.00
107	11.5	62 mm thick cement concrete flooringwith concretehardener topping, under layer 50 mmthickcement concrete1:2:4(1cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) andtop layer12mm thick cement hardener consisting of mix 1:2(1cement hardenermix : 2 graded stone aggregate, 6mmnominal size) by volume, hardeningcompound mixed @ 2 litre per 50 kg of cement or aspermanufacturer's specifications. This includes cost of cement slurry, butexcluding the cost of nosing of steps etc. complete.	Sqm	10	1,056.15	10,561.50
108	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc.,complete.	Sqm	40	1,096.55	43,862.00
109	11.39	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.	Sqm	40	1,330.00	53,200.00
	11.41	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 @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.				-
110	11.41.2	Size of tiles 600 x600 mm	sqm	40	1,553.45	62,138.00



	11.41.A	Providing and laying Vitriified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of les will be done with the notch trowel, plier, wedge, clips of required hickness, leveling system and rubber mallet for placing the tiles gently and easily.				
111	11.41A.3	Glazed vitriified tile Matt/ Antiskid finish of Size				
112	11.41A.3.1	Size of tiles 600 x600 mm	Sqm	40	1,464.85	58,594.00
113	11.46.2	Providing and laying Vitriified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete , Size of Tile 600x600 mm	sqm	20	1,623.05	32,461.00
	11.56	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.				
114	11.56.1	Polished Granite stone slab colour of Black, herry/Ruby Red or equivalent	Sqm	15	4,481.30	67,219.50
		<b>Roofing</b>				
115	12.1	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.				
116	12.1.3	0.65mm thick with zinc coating not less than 275 gm/m	Sqm	100	1,087.65	108,765.00
	12.31	Providing 10 mm thick plaster of Paris (gypsum anhydrous) ceiling up to a height of 5 m above floor level, over first class kail wood strips 25x6 mm with 10 mm gap in between and reinforced with rabbit wire mesh fixed to wooden frame (frame work to be paid separately):				
117	12.31.1	Flate Surface	Sqm	25	1,718.95	42,973.75
	12.41	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.				
118	12.41.1	75 mm dia	mtr	10	248.80	2,488.00
119	12.41.2	110 mm dia	mtr	35	377.40	13,209.00
	12.42	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.				
120	12.42.1	Coupler				
121	12.42.1.1	75 mm	Each	20	91.70	1,834.00
122	12.42.1.2	110 mm	Each	20	136.15	2,723.00
	12.42.2	Single pushfit coupler				
123	12.42.2.1	75 mm	Each	20	93.10	1,862.00
124	12.42.2.2	110 mm	Each	20	127.60	2,552.00
	12.42.3	Single tee With door				
125	12.42.3.1	75 x75x75 mm	Each	20	164.20	3,284.00
126	12.42.3.2	110 x110x110 mm	Each	20	234.15	4,683.00
	12.42.4	Single tee Without door				
127	12.42.4.1	75 x75x75 mm	Each	20	144.30	2,886.00
128	12.42.4.2	110 x110x110 mm	Each	20	221.35	4,427.00
	12.42.5	Bend 87.5 degree				
129	12.42.5.1	75 mm	Each	20	105.90	2,118.00
130	12.42.5.2	110 mm	Each	20	150.35	3,007.00
	12.42.6	Shoe (plain)				

131	12.42.6.1	75 mm	Each	20	93.10	1,862.00
132	12.42.6.2	110 mm	Each	20	131.85	2,637.00
	12.43	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				
133	12.43.1	75 mm	Each	20	369.85	7,397.00
134	12.43.2	110 mm	Each	25	371.30	9,282.50

135	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	25	54.70	1,367.50
	12.45	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I wire at every junction, including fixing perimeter channels 0.5 mm. thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3				
136	12.45.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	Sqm	5	1,355.80	6,779.00
	12.52	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 galvanised 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 T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.				
137	12.52.1	GI Metal ceiling lay in plain tegular edge Global white colot tiles of size 595x595 mm and 0.5mm thick with 8mm drop made of GI sheet having galvanizing of 100gms	Sqm	50	1,902.95	95,147.50
138	12.52.4	12.5 mm thick fully Perforated Gypsum Board tile made from plaster board having glass fibre conforming to IS: 2095 part I, of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing.	Sqm	10	1,528.00	15,280.00
		<b>Finishing</b>				
139	13.1	12 mm cement plaster of mix :				
140	13.1.1	1:4 (1 cement :4 fine sand )	Sqm	100	347.05	34,705.00
141	13.4.2	12 mm cement plaster of mix : <b>1:6 (1 cement: 6 coarse sand)</b>	sqm	10	343.65	3,436.50
142	13.6.2	20 mm cement plaster of mix : <b>1:6 (1 cement: 6 coarse sand)</b>	sqm	10	466.05	4,660.50
143	13.7.2	12 mm cement plaster finished with a floating coat of neat cement of mix : <b>1:4 ( 1 cement: 4 fine sand)</b>	sqm	8	425.55	3,404.40
	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 :				
144	13.8.1	1:3 (1 cement :4 fine sand )	Sqm	20	494.03	9,880.60

145	13.12	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) and a top layer 6mm thick cement plaster 1:3 (1 cement: 3 coarse sand) finished rough with sponge.	sqm	8	537.45	4,299.60
	13.16	6 mm cement plaster of mix :				
146	13.16.1	1:3 (1 cement :3 fine sand )	Sqm	50	300.45	15,022.50
147	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	20	262.70	5,254.00
	13.41	Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, and colour all complete to achive shade and colour.				
148	13.41.1	new work (Two or more caots) over and including water thinable priming coat with cement primer having VOC content less then 50 gram/ ltr.	Sqm	50	185.65	9,282.50
149	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	50	116.90	5,845.00
150	13.46.1	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	sqm	50	160.60	8,030.00
151	13.48.2	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : <b>Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10sqm of approved brand and manufacture</b>	sqm	50	176.25	8,812.50
152	13.48.3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	sqm	50	170.70	8,535.00
	13.50	Applying Priming coat :				
153	13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	sqm	50	67.40	3,370.00
	13.52	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.				
154	13.52.1	On steel work	sqm	40	241.75	9,670.00
155	13.52.2	On concrete work	Sqm	40	235.15	9,406.00
	13.53	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
156	13.53.1	New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	Sqm	10.00	180.85	1,808.50
	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
157	13.61.1	Two or more caots on new work	sqm	100	155.90	15,590.00
	13.62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
158	13.62.1	Two or more coats on new work over an under coat of	Sqm	10.00	226.25	2,262.50
	13.63	Painting with aluminium paint of approved brand and manufacture to give an even shade .				
159	13.63.1	Two or more caots on new work	sqm	200	146.80	29,360.00
160	13.7	Floor polishing on masonry or concrete floors with wax polish of approved brand and manufacture.	Sqm	50	96.10	4,805.00
161	13.71	Lettering with black Japan paint of approved brand and manufacture	per letter per cm height	200	6.15	1,230.00
162	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	Sqm	100	156.05	15,605.00

	13.81	Distemping with 1st quality acrylic distemper, 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.				
163	13.81.1	Old Work (One coat or more coats )	Sqm	67.00	62.70	4,200.90
	13.85	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.				
164	13.85.1	With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	sqm	100	70.35	7,035.00
165	13.85.3	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	sqm	100	73.95	7,395.00
166	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	30	19.75	592.50
167	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	30	25.15	754.50
	13.92.	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
168	13.92.1	Old work (on or more coats )	Sqm	10	93.30	933.00
	13.96	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 :				
169	13.96.1	75 mm diameter pipes	metre	5	28.20	141.00
170	13.96.2	100 mm diameter pipes	metre	5	36.25	181.25
171	13.96.3	150 mm diameter pipes	metre	5	52.25	261.25
	13.99	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
172	13.99.1	One or more coats on old work	Sqm	10	102.80	1,028.00
173	13.109.1	Finishing walls with water proofing cement paint of required shade : Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 ltrs/10 sqm complete including cost of Priming coat.	sqm	100	112.90	11,290.00
	13.110	Finishing walls with textured exterior paint of required shade :				
174	13.110.1	Old work (Two or more coats on existing cement paint surface applied @ 3.28 ltr/10 sqm.	Sqm	10.00	169.20	1,692.00
	13.111	Finishing walls with Acrylic Smooth exterior paint of required shade :				
175	13.111.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	sqm	10	120.75	1,207.50
176	13.111.2	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	Sqm	10.00	80.65	806.50
	13.112	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade				
177	13.112.1	Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface	Sqm	10	131.30	1,313.00
		<b>Repairs To building</b>				
178	14.1.2	Repairs to plaster of thickness 12mm to 20mm 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 within 50metres lead : With cement mortar 1:4 (1 cement : 4 coarse sand).	sqm	10	560.50	5,605.00
	14.4	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per direction of Engineer-in-Charge.				
179	14.4.1	For door /window /clerestory window	sqm	10	1,264.35	12,643.50
	14.5	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:				
180	14.5.1	Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm)	Sqm	10	1,090.65	10,906.50

181	14.5.2	Float glass panes of nominal thickness 5 mm (weight not less than 12.5kg/sqm)	Sqm	10	1,416.15	14,161.50
	14.7	Renewing glass panes and refixing existing wooden fillets:				
182	14.7.2	Float glass panes of nominal thickness 5 mm (weight not less than 12.5kg/sqm)	Sqm	2	1,552.75	3,105.50
183	14.9	Renewal of old putty of glass panes (length)	Sqm	10	56.15	561.50
184	14.10	Refixing old glass panes with putty and nails	sqm	2	729.85	1,459.70
185	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	10	298.85	2,988.50
186	14.22.1	Renewing Wrought iron or M.S. Wheel or roller of steel door or gate and	per wheel	10	123.70	1,237.00
187	14.28.2	Providing and fixing brass curtain rods of wall thickness 1.25 mm with two	mtr	10	421.75	4,217.50
188	14.29	Providing and fixing M.S. round or square bars with M.S. flats at required	kg	10	120.75	1,207.50
189	14.34	Providing and fixing 150 mm bright finished floor brass door stopper with	Sqm	30	271.45	8,143.50
190	14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-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	20	338.25	6,765.00
191	14.75	Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the direction of Engineer-In-Charge.	Sqm	20	670.95	13,419.00
192	14.75.A	Cleaning of terrace/loft water storage tank (inside surface area) upto 2000	litre	25000	0.50	12,500.00
193	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	100	108.30	10,830.00
194	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	Mtr.	100	340.75	34,075.00
195	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 silt 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	20	422.70	8,454.00
196	14.79	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace ncluding shifting at ground level as per direction of Engineer-in-charge.	Each	20	433.75	8,675.00
197	14.80	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 material i/c malba, all complete as per the direction of Engineer-in charge.				
198	14.80.2	Orisa patten W.C. pan size 580x440 mm	Each	10	4,478.75	44,787.50

199	14.82	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in-Charge.	Each	10	134.10	1,341.00
200	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	10	429.10	4,291.00
201	14.91.1	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3 mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ litre and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 650/ 450N/ 5cm. Tear strength in longitudinal and transverse direction as 300/ 250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane : 14.91.1 3 mm thick	Sqm	200.00	560.95	112,190.00
<b>Dismantling and Demolishing</b>						
202	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
203	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	20	2,434.25	48,685.00
204	15.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	10	1,503.60	15,036.00
	15.7	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.				
205	15.7.4	In cement mortar	Cum	5	2,060.20	10,301.00
	15.12	Dismantling doors, windows and clerestory windows (steel or wood)				
206	15.12.1	Of area 3 sq. metres and below	Each	30	367.20	11,016.00
207	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	500	5.65	2,825.00
	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
208	15.23.1	For thickness of tiles 10mm to 25 mm	Sqm	150	73.40	11,010.00
209	15.23.2	For thickness of tiles above 25 mm and upto 40 mm	Sqm	150	113.35	17,002.50
210	15.27	Demolishing mud phaska in terracing and disposal of material within 50 metres lead.	Cum	20	914.30	18,286.00
211	15.30	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50metres lead as per direction of Engineer - in- charge.	sqm	10	253.90	2,539.00
212	15.44.1	Dismantling G.I. pipes (external work) including excavation and refilling	mtr	50	149.80	7,490.00
213	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 nserviceable materials within 50 metres lead.	Each	50	112.05	5,602.50
214	15.56	Dismantling old plaster or skirting raking out joints and cleaning thesurface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	200	54.65	10,930.00
215	15.57	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	Sqm	200	56.35	11,270.00
216	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or	Cum	50	263.95	13,197.50
<b>Road Work</b>						

217	16.18.1	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used. <b>With G.I. barbed wire</b>	mtr	20	22.10	442.00
218	16.42	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	cum	1	7,993.80	7,993.80
219	16.45	Providing and fixing in position pre-moulded joint filler in expansion joints of RCC roads / CC pavements after making the joints dust free with high pressure air jet cleaners, all complete as per direction of the Engineer-in-Charge. (Pre-moulded joint fillers shall be made of bitumen hot sealing compound impregnated fibre board having impregnation more than 35%, conforming to IS:1838 for fibre board and IS: 1834 for hot sealing bitumen compound grade A.)	per cm depth per cm width per metre length	20	5.30	106.00
220	16.46.1	Providing and filling in position rubberized bitumen hot sealing compound for sealing of expansion joints in roads / pavements all complete as per direction of the Engineer-in-Charge. Using grade 'A' sealing compound conforming to IS: 1834	per cm depth per cm width per metre length	20	8.65	173.00
221	16.68	Providing and laying 60mm thick factory made cement concrete	sqm	10	972.00	9,720.00
	16.47	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, i/c cleaning the surface of all dirt, scales, oil, grease and other foreign material etc. and lining out complete.				
222	16.47.2	Old work (on or more coats )	Sqm	50	120.80	6,040.00
223	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-incharge. (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	1	9,823.80	9,823.80
<b>SANITARY INSTALLATIONS</b>						
	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				
224	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	1	6,767.40	6,767.40
	17.3	Providing and fixing white vitreous china pedestal type water closet				
225	17.3.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	1	8,006.60	8,006.60
	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
226	17.7.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm	Each	5	2,648.85	13,244.25
227	17.7.3	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps,32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : <b>White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps.</b>	each	1	2,301.75	2,301.75
228	17.8	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	Each	5	1,683.35	8,416.75



	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per				
	17.10.1	Kitchen sink with drain board				
229	17.10.1.1	510x1040 mm bowl depth 250 mm	Each	1	6,945.60	6,945.60
	17.10.2	Kitchen sink without drain board				
230	17.10.2.1	610x510 mm bowl depth 200 mm	Each	2	4,940.80	9,881.60
	17.11	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 :				
230	17.11.1	Size 450x300x150 mm	Each	1	5,020.85	5,020.85
231	17.11.2	Size 600x450x200 mm	Each	1	6,585.80	6,585.80
232	17.13.2	Providing and fixing white vitreous china water closet squatting pan (Indian type) <b>Orissa pattern W.C. pan of size 580x440 mm</b>	each	2	3,169.05	6,338.10
233	17.15	Providing and fixing white vitreous china pedestal type (European type/ wash down type) water closet pan.	each	1	2,784.95	2,784.95
	17.18	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.				
234	17.18.1	10 litre capacity - White	Each	1	1,190.65	1,190.65
	17.20	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete :				
235	17.20.1	White solid plastic seat with lid	Each	1	684.85	684.85
236	17.22A	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	Each	5	1,034.80	5,174.00
237	17.23	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm or 340x410x265mm sizes respectively.	each	5	1,648.95	8,244.75
238	17.25.2	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings : <b>Flat back wash basin of size 550x400mm.</b>	each	10	992.60	9,926.00
	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
	17.28.2	Flexible pipe				
239	17.28.2.1	32 mm dia	Each	10	119.55	1,195.50
240	17.28.2.2	40 mm dia	Each	10	119.55	1,195.50
241	17.29	Providing and fixing 100 mm sand cast Iron grating for gully trap.	Each	10	53.25	532.50
242	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	1	1,607.95	1,607.95
	17.34	Providing and fixing toilet paper holder :				
243	17.34.1	C.P brass	Each	2	803.70	1,607.40
	17.35	Providing and fixing soil, waste and vent pipes :				
244	17.35.1.2	i) Centrifugally cast iron socket & spigot (S & S) pipe as per IS: 3989 , 100mm dia	mtr	1	1,180.75	1,180.75
245	17.35.2.2	i) Centrifugally cast iron socketed pipe as per IS:3989 , 75 mm diameter	mtr	1	1,186.00	1,186.00
	17.50	Providing and fixing single equal plain invert branch of required degree:				
246	17.50.1.2	i) Sand cast iron S&S as per IS 3989 <b>100x100x100 mm</b>	each	1	747.85	747.85
247	17.50.2.2	i) Sand cast iron S&S as per IS 3989 <b>75x75x75 mm</b>	each	1	575.45	575.45
248	17.57.1.2	Providing fixing collar: Sand cast iron S&S as per IS 3989	each	1	513.15	513.15
249	17.57.2.2	i) Sand cast iron S&S as per IS 3989 <b>75 mm</b>	each	1	362.05	362.05
	17.58	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fitting of diameter :				
250	17.58.1	a) 100 mm	each	1	622.50	622.50
251	17.58.2	b) 75 mm	each	1	526.25	526.25
	17.60	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.				

	17.60.2	(a) 100 mm inlet and 75 mm outlet				
252	17.60.2.1	l) Sand cast iron S&S as per IS - 3989	each	1	1,975.15	1,975.15
253	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	10	168.35	1,683.50
254	17.72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	each	10	231.95	2,319.50
255	17.73.2	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. <b>600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.</b>	each	2	708.95	1,417.90
256	17.74	Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36 mm height of approved quality and colour, weighing not less than 300 gms	each	5	713.20	3,566.00
257	17.75	Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.	each	5	107.20	536.00
258	17.76.1	Providing and fixing PTMT urinal cock of approved quality and colour <b>15 mm nominal bore, 80 mm long, 42 mm high and 30mm wide with BSP female threads weighing not less than 48 gms</b>	each	4	175.40	701.60
		<b>Water Supply</b>				
	18.7	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				
259	18.7.1	15 mm nominal outer dia .Pipes.	mtr	8	286.80	2,294.40
260	18.7.2	20 mm nominal outer dia .Pipes.	mtr	2	335.00	670.00
261	18.7.3	25 mm nominal outer dia .Pipes.	mtr	2	401.55	803.10
262	18.7.4	32 mm nominal outer dia .Pipes.	mtr	2	518.75	1,037.50
263	18.7.5	40 mm nominal outer dia .Pipes.	mtr	2	702.95	1,405.90
264	18.7.6	50 mm nominal outer dia .Pipes.	mtr	5	934.15	4,670.75
	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.				
265	18.9.1	15 mm nominal outer dia pipes	metre	2	244.70	489.40
266	18.9.2	20 mm nominal outer dia pipes	metre	2	274.30	548.60
267	18.9.3	25 mm nominal outer dia .Pipes.	metre	2	355.40	710.80
268	18.9.4	32 mm nominal outer dia pipes	metre	2	438.60	877.20
269	18.9.4	40 mm nominal outer dia .Pipes.	metre	5	563.05	2,815.25
270	18.9.6	50 mm nominal outer dia pipes	metre	2	794.25	1,588.50
	18.10	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. : Internal work – Exposed on wall.				
271	18.10.1	15 mm dia. nominal bore	mtr	5	366.40	1,832.00
272	18.10.2	20 mm dia. nominal bore	mtr	5	437.30	2,186.50
273	18.10.3	25 mm dia. nominal bore	mtr	5	551.70	2,758.50
	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work				
274	18.12.3	25 mm dia. nominal bore	mtr	1	467.75	467.75
275	18.12.5	40 mm dia. nominal bore	mtr	1	617.05	617.05
276	18.13.1	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete : <b>25 to 40 mm nominal bore</b>	each	1	911.90	911.90
	18.17	Providing and fixing gun metal gate valve with CI wheel of approved quality				
277	18.17.1	25mm nominal bore	each	1	622.4	622.40
278	18.17.1A	20mm nominal bore	each	1	539.95	539.95
279	18.17.2	32mm nominal bore	each	1	689.6	689.60
280	18.17.3	40mm nominal bore	each	1	826.1	826.10
281	18.17.4	50mm nominal bore	each	1	1026.65	1,026.65
282	18.17.5	65mm nominal bore	each	1	1742.15	1,742.15

283	18.17.6	80mm nominal bore	each	1	2604.55	2,604.55
	18.22	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :				-
284	18.22.1	100 mm diameter	Each	20.00	193.95	3,879.00
285	18.22.2	150 mm diameter	Each	10.00	222.35	2,223.50
286	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	per ltr	500	11.00	5,500.00
287	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 18.49.1 15 mm nominal bore	each	10	506.80	5,068.00
288	18.50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 18.50.1 15 mm nominal bore	each	10	820.70	8,207.00
	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
289	18.51.1	15 mm nominal bore	Each	5	798.95	3,994.75
290	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 18.52.1 15 mm nominal bore	each	5	670.45	3,352.25
	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
291	18.53.1	15 mm nominal bore	Each	5	574.30	2,871.50
292	18.65	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	each	10	111.45	1,114.50
	18.76	Cutting holes up to 30x30 cm in walls including making good the same:				
293	18.76.1	With common burnt clay F.P.S. (non modular) bricks	Each	5	416.80	2,084.00
294	18.77	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	each	5	452.00	2,260.00
		<b>Drainage</b>				
295	19.1.2	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 : <b>150 mm diameter</b>	mtr	5	695.80	3,479.00
296	19.3.2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design : <b>150 mm diameter S.W. pipe</b>	mtr	5	743.10	3,715.50
297	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 300 x300 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:				
298	19.4.2.1	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 300 x300 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 : <b>150 x 100 mm size P type.</b> <b>With common burnt clay F.P.S. (non modular) bricks of class designation 7.5</b>	each	1	2,734.20	2,734.20
	19.4.3	180x150xmm size P type				
299	19.4.3.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1	2,802.15	2,802.15
	19.5	Dismantling of old S.W. Pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps :				
300	19.5.2	a)150 mm diameter	mtr	5	98.45	492.25
301	19.5.4	b) 250 mm diameter	mtr	5	111.00	555.00

302	19.7.1.1	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 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 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : 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	1	12,770.55	12,770.55
303	19.8.1.1	Extra for depth for manholes :Size 90x80 cmWith common burnt clay F.P.S. (non modular) bricks of class designation 7.5	mtr	2	8,825.40	17,650.80
304	19.18	Supplying and fixing C.I. cover without frame for manholes : 19.18.1 455x610 mm rectangular C.1. cover (light duty) the weight of the cover to be not less than 23 kg	each	10	1,358.00	13,580.00
305	19.19.1	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality 19.19.1 LD-2.5 19.19.1.1 Rectangular shape 600x450 mm internal dimensions	each	5	1,437.65	7,188.25
306		19.19.1.2 Square shape 450 mm internal dimensions	each	5	1,155.45	5,777.25
<b>Aluminium works</b>						
	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ ppropriate Z sections and other sections of approved make a conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at unctions, 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 rawings and the directions of Engineer-in-charge. (Glazing, panelingnd dash fasteners to be paid for separately) :				
	21.1.1	For fixed portion				
307	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	10	530.90	5,309.00
308	21.1.1.3	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	kg	5	539.85	2,699.25
	21.1.2	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)				
309	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	5	634.45	3,172.25
310	21.1.2.3	Polyester powder coated aluminium minimum( thickness of polyester powder coating 50 micron)	kg	5	643.45	3,217.25
	21.2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screwsetc. complete as per architectural drawings and directions of engineerin-charge.				
311	21.2.2	Pre-laminated particle board with decorative lamination on both sides	Sqm	5	1,115.40	5,577.00
	21.3	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):				
312	21.3.1	With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	Sqm	5	1,176.80	5,884.00
313	21.3.2	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	5	1,505.25	7,526.25

314	21.3.3	With float glass panes of 8 mm thickness (weight not less than 20 kg/sqm)	Sqm	2	1,685.40	3,370.80
315	21.4	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	5	2,823.85	14,119.25
316	21.8.1	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. 21.8.1 Upto 5 mm depth and 5 mm width	m	20	96.75	1,935.00
317	21.13	Providing and fixing Brass 100mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	Each	15	528.85	7,932.75
	21.16	Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-in-charge				
318	21.16.2	Powder coated minimum thickness 50 micron aluminium	Each	15	109.30	1,639.50
	21.19	Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/ Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete, complying to ASTM C920, DIN 18540-F & ISO 11600				
319	21.19.3	Upto 20 mm depth and 20 mm width	metre	50	363.20	18,160.00
320	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	1	10,117.60	10,117.60
321	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	5	638.35	3,191.75
322	21.18	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double action hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc. to be paid separately).	sqm	3	5,325.90	15,977.70
323	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) 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. b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with waterproofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	10	617.05	6,170.50

324	22.14.1	Grading roof for water proofing treatment with Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum	2	8,042.30	16,084.60
325	22.22A	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.	Sqm	20.00	563.10	11,262.00
326	26.6E.2	Providing and fixing atall height wall panelling with phenol bonded Bamboo Mat board conforming to IS:13958-1994 including providing and fixing to frame work made of 50 mm x 50 mm hard wood plugs including cutting brick work and fixing in cement mortar and making good the wall etc. and also providing and fixing wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron screws all complete as per direction of Engineer-in-Charge.  26.6E.2 12 mm thickness	Sqm	5	5,824.10	29,120.50
327	26.26.1	Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC 0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part-4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall SS screws. The work shall be carried out as per specifications, drawing and as per directions of Engineer-in-Charge. With semi perforated 12 mm thick micro tegular edged GRG false ceiling tiles. With semi perforated 12 mm thick micro	Sqm	1	1,852.05	1,852.05
328	26.28.3	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge 25 mm average thickness	sqm	1	126.75	126.75
329	26.29.1	Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge. Bars upto 12 mm diameter	metre	1	8.25	8.25
330	26.31.1	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. SBR Polymer (@10% of cement weight) modified cementitious bond coat @2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer	sqm	2	141.20	282.40

331	26.32.2	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/ mm <sup>2</sup> ). 25 mm average thickness in 2 layers.	sqm	2	587.35	1,174.70
332	26.35.2	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/ masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineerin- Charge. (The payment shall be made on the basis of actual weight of approved grout injected.) Stirrer mixed SBR Polymer (of approved make) modified Cement slurry made with Shrinkage Compensating Cement in concrete/RCC work.	kg	1	124.00	124.00
333	26.39	Providing and inserting 12mm dia galvanised steel injection nipple in honey comb area and along crack line including drilling of holes of required diametre (20mm to 30mm) up to depth from 30mm to 80mm at required spacing and making the hole & crack dust free by blowing compressed air, sealing the distance between injection nipple with adhesive chemical of approved make and allow it to cure complete as per direction of Engineer-In-Charge.	each	5	236.90	1,184.50
334	26.40	Providing and fixing hard drawn steel wire fabric of size 75 x25 mm mesh or other suitable size wire mesh to be fixed & firmly anchored to the concrete surface by means of "L" shaped mild steel shear key welded with existing reinforcement including the cost of materials, labour, tool & plants as approved by engineer-in-charge.	Sqm	1	902.55	902.55
335	26.72	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 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in -charge.	Sqm	10	829.75	8,297.50
					<b>TOTAL</b>	<b>3,915,783</b>
					Add Cost Index @ 6.54 %	<b>256,092</b>
					<b>Grand Total with GST</b>	<b>4,171,875</b>
					<b>Total Without GST</b>	<b>3,535,487</b>
<b>DSR Items List</b>						
1	455	Stainless steel SS grade 304, curtain rod 25 mm dia 1.20mm thick	metre	10	187.00	1,870.00
2	456	Stainless steel SS grade 304, brackets ( curtain rod) 20 mm dia 1.20mm thick each 46.00	Each	10	50.00	500.00
3	457	0457 Stainless steel SS grade 304, brackets ( curtain rod) 25 mm dia 1.20mm thick	Each	10	60.00	600.00
4	553	100mm SS fancy handle for kitchen cabinet	10 nos	10	508.00	5,080.00
5	554	100mm SS fancy handle for kitchen cabinet	10 nos	10	710.00	7,100.00
6	0584	Chromium plated Brass Wardrobe Knob 50 mm	each	10	93.00	930.00
7	593	C.P. brass extension nipples (1/2"x2" size)	each	10	46.00	460.00
8	0594	MS But hinges( a) 125x65x2.12 mm	10 nos	2	122.00	244.00
9	0595	( b ) 100x58x1.90 mm	10 nos	2	80.00	160.00
10	0597	( c ) 50x37x1.50 mm	10 nos	2	49.00	98.00
11	641	Bright finished or black enameled mild steel bolts and nuts 50x6	each	2	6.00	12.00
12	0655	Oxidised mild steel double acting spring hinges 100 mm	each	2	130.00	260.00
13	0660	Oxidised mild steel sliding door bolt 300x16 mm	each	2	100.00	200.00
14	0661	Oxidised mild steel sliding door bolt 250x16 mm	each	2	85.00	170.00
15	0662	Oxidised mild steel door latch 300x20x6 mm	each	2	55.00	110.00
16	0663	Oxidised mild steel door latch 250x20x6 mm	each	2	42.00	84.00
17	0665	Oxidised mild steel tower bolt (barrel type) 200x10 mm	each	2	36.00	72.00
18	0666	Oxidised mild steel tower bolt (barrel type) 150x10 mm	each	2	30.00	60.00
19	0668	Oxidised mild steel handles 125 mm	each	2	21.00	42.00
20	0669	Oxidised mild steel handles 100 mm	each	2	16.00	32.00
21	0680	Oxidised mild steel hasps and staples (safety type) 115 mm	10 nos	3	112.00	336.00
22	697	Anodised Aluminium sliding door bolt 250x16 mm	each	2	130.00	260.00
23	698	Anodised Aluminium tower bolt (barrel type) 300x10 mm	10 nos	2	610.00	1,220.00
24	699	Anodised Aluminium tower bolt (barrel type) 250x10 mm	10 nos	2	505.00	1,010.00
25	700	Anodised Aluminium tower bolt (barrel type) 200x10 mm	10 nos	2	400.00	800.00

26	701	Anodised Aluminium tower bolt (barrel type) 150x10 mm	10 nos	2	320.00	640.00
27	702	Anodised Aluminium tower bolt (barrel type) 100x10 mm	10 nos	2	240.00	480.00
28	703	Anodised Aluminium handles 125 mm with plate 175 x 32 mm	10 nos	2	335.00	670.00
29	704	Anodised Aluminium handles 100 mm with plate 150 x 32 mm	10nos	2	290.00	580.00
30	705	Anodised Aluminium handles 75mm with plate 125 x 32 mm	10nos	2	245.00	490.00
31	0763	Glue	kg	5	80.00	400.00
32	828	anti corrosive bituminous paint (Black)	litre	5	120.00	600.00
33	834	Synthetic enamel paint in all shades except black or chocolate shade	litre	5	178.00	890.00
34	845	Roofing paint for iron sheet in red colour	litre	1	135.00	135.00
35	886	Standard holder bat clamps for sand cast iron or cast iron pipes 150mm dia	each	10	50.00	500.00
36	966	Sand Cast iron plain shoe 150 mm dia	each	10	320.00	3,200.00
37	0983	Fine Sand	cum	3	980.00	2,940.00
38	1007	Structural steel such as tees, angles, channel and RS joists	quintal	1	5,965.00	5,965.00
39	1034	Bolts and nuts up to 300 mm in length	quintal	0.5	5,200.00	2,600.00
40	1219	Wire nails	kg	20	58.00	1,160.00
41	1245	Acid for cleaning tiles	litre	10	20.00	200.00
42	1309	C.I. bracket for wash basin and sinks	pair	50	95.00	4,750.00
43	1313	8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate for European type W.C.	each	5	220.00	1,100.00
44	1339	Brass bib cock 15mm dia	each	5	230.00	1,150.00
45	1340	Brass bib cock 20mm dia	each	2	245.00	490.00
46	1342	Brass stop cock 15mm dia	each	5	230.00	1,150.00
47	1343	Brass stop cock 20mm dia	each	5	245.00	1,225.00
48	1350	Mosquito proof coupling of approved design	each	5	35.00	175.00
49	1353	C.I. cover without frame 300x300 mm inside i/c cover of 4.50 kg	each	5	525.00	2,625.00
50	1366	C.I. grating 150x150 mm	each	5	55.00	275.00
51	1369	S.C.I. gully or nahani grating 100 mm dia	each	5	28.00	140.00
52	1392	Mirror of superior make glass 60x45 cm	each	5	450.00	2,250.00
53	1396	vitreous china pedestal for wash basin	each	1	1,000.00	1,000.00
54	1545	G.I. pipes 15 mm dia	mtr	5	107.00	535.00
55	1546	G.I. pipes 20 mm dia	mtr	5	139.00	695.00
56	1547	G.I. pipe 25mm nominal bore	mtr	5	197.00	985.00
57	1548	G.I. pipe 32mm nominal bore	mtr	5	247.00	1,235.00
58	1549	G.I. pipes 40 mm dia	mtr	1	290.00	290.00
59	1550	G.I. pipe 50mm nominal bore	mtr	2	390.00	780.00
60	1608	G.I. Tee 25 mm nominal bore	each	1	70.00	70.00
61	1614	G.I. inlet connection	each	1	70.00	70.00
62	1641	G.I. Union 15mm nominal bore	each	1	40.00	40.00
63	1642	G.I. Union 20mm nominal bore	each	1	60.00	60.00
64	1643	G.I. Union 25mm nominal bore	each	1	125.00	125.00
65	1644	G.I. Union 32mm nominal bore	each	1	160.00	160.00
66	1646	G.I. Union 50mm nominal bore	each	1	330.00	330.00
67	1689	Unplasticised PVC. Connecting pipe with brass union 45 cm long 15 bore.	each	2	38.00	76.00
68	1872	white vitreous china laboratory sink 600x450x200 mm	each	1	2,750.00	2,750.00
69	1875	White plastic seat (solid) with lid C.p. brass hinge and rubber buffer	each	5	451.00	2,255.00
70	1890	Centrifugally SCI(spun) S & S P or S trap	each	5	358.00	1,790.00
71	1898	100 mm S.C.I. trap with 100 mm inlet and 75 mm outlet	each	1	242.00	242.00
72	1904	S.W. gully trap P type 180x150 mm	each	2	253.00	506.00
73	1915	Vitreous china squatting plate urinal	each	1	1,158.00	1,158.00
74	1922	H.P. or I.P. ball valve with polythene floats : 15mm dia	each	2	237.00	474.00
75	1926	20 mm dia Gunmetal gate valve with wheel	each	1	358.00	358.00
76	1927	Brass full way valve with C.I. wheel (screwed end) 25 mm dia	each	1	413.00	413.00
77	1928	Brass full way valve with C.I. wheel (screwed end) 32 mm dia	each	1	457.00	457.00
78	1929	Brass full way valve with C.I. wheel (screwed end) 40 mm dia	each	1	550.00	550.00
79	1930	Brass full way valve with C.I. wheel (screwed end) 50 mm dia	each	1	688.00	688.00
80	1947	vitreous china flat back wash basin 630x450mm	each	2	798.00	1,596.00
81	1951	C.P. brass waste 32 mm	each	5	94.00	470.00
82	1952	C.P. brass waste 40 mm	each	2	110.00	220.00
83	1954	Vitreous china orrisa type W.C. pan size 580 mm	each	1	1,350.00	1,350.00
84	1964	Bolts and nuts 27 mm dia 100 mm long	each	2	40.00	80.00
85	1970	Vitreous china foot rests 250x125x25 mm	pair	2	108.00	216.00
86	2393	1 mm thick SS cover plate grade 304	kg	1	306.00	306.00
87	2406	Float glass panes of nominal thickness 4 mm (weight not less than 10 kg/sqm)	sqm	2	321.00	642.00
88	2407	Float glass panes of nominal thickness 5.5 mm (weight not less than 13.50 kg/sqm)	sqm	2	529.00	1,058.00
89	2412	Ply wood 5 ply 6mm thick	sqm	2	321.00	642.00
90	2413	12 mm commercial ply	sqm	2	527.00	1,054.00
91	2414	18mm thick block board	sqm	2	792.00	1,584.00



92	2451	Brass cupboard lock 6 levers of approved quality, 40 mm size	each	2	58.00	116.00
93	2452	Brass cupboard lock 6 levers of approved quality, 50 mm size	each	2	90.00	180.00
94	2456	Hydraulic door closer bottle type M.S. body with necessary accessories and screws complete (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm)	each	2	699.00	1,398.00
95	2459	Anodised Aluminium hanging type door stoppr	each	5	21.00	105.00
96	2468	Nickled Chromium Brass cupboard lock 40 mm size	each	5	64.00	320.00
97	2471	Nickled Chromium Brass cup board lock 75 mm size	each	5	127.00	635.00
98	2485	Pre-laminated with decorative lamination on both side extrior Grade-I, MDF Board 18 mm thick conforming to IS : 14587	sqm	5	621.00	3,105.00
99	2488	Pre-laminated with decorative lamination on one side and other side balancing lamination extrior Grade-I, MDF Board 18 mm thick conforming to IS : 14588	sqm	5	599.00	2,995.00
100	2610	Silicon gasket in kg	kg	1	502.00	502.00
101	2611	EPDM Gasket in Kg (Above 60 g / m)	kg	1	163.00	163.00
102	2612	Anchor Fastner - M10	each	2	12.00	24.00
103	2631	4mm thick ACP	sqm	2	1,134.00	2,268.00
104	3327	15mm Battery based sensor pillar cock	each	1	6,170.00	6,170.00
105	3617	CP brass union 40mm dia	each	1	226.00	226.00
106	4001	Stainless steel (Grade-304)hollow section round/square tubes	kg	5	280.00	1,400.00
107	4002	Stainless steel bolts/square bar and plates	kg	5	150.00	750.00
108	5050	SS pipe 304 grades with press fit 48.60 mm outer dia	mtr	2	700.00	1,400.00
109	5772	Grease	kg	1	195.00	195.00
110	5773	Shuttering Oil	ltr	1	95.00	95.00
111	7001	Brass 100mm mortice latch and lock with 6 levers without pair of handles	each	5	211.00	1,055.00
112	7003	Pair of Anodised Aluminium lever handles for 100 mm mortice latch and lock	each	5	237.00	1,185.00
113	7004	Vitrous china flat back wash basin 450x300mm	each	1	297.00	297.00
114	7009	12.5 mm thick tapered edge plain gypsum plaster board confirming to IS 2095 (Part I) : 2011	sqm	10	154.00	1,540.00
115	7052	GI wire netting	sqm	2	28.00	56.00
116	7053	400G polythne sheet	sqm	2	13.00	26.00
117	7055	Flat pressed three layer or graded plain particle board 18mm thick	sqm	1	469.00	469.00
118	7059	Aluminium hanging floor door stopper with twin rubber & stopper	each	2	44.00	88.00
119	7060	Hydraulic door closer tubular type Aluminium section body with necessary accessories and screws complete (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm),	each	5	600.00	3,000.00
120	7070	Chequered precast cement concrete tiles 22 mm thick using marble chips of size 6mm - Light shade using white cement	sqm	2	392.00	784.00
121	7071	white marble raj nagar plain 18mm thick	sqm	1	600.00	600.00
122	7072	wall mounted water closet of size 780x370x690mm	each	1	5,940.00	5,940.00
123	7073	adjustable vitreous china cistern with fitting of flushing caapicity 3 Liter/6 liter ( adjustable to 4liter/8liter)	each	1	1,600.00	1,600.00
124	7096	stainless steel kitchen sink - with drain boad 510x 1040 mm bowl depth 225 mm	each	2	3,600.00	7,200.00
125	7101	Stainless steel kitchen sink - without drain board 610x510 mm bowl depth 200 mm	each	2	2,350.00	4,700.00
126	7103	Stainless steel kitchen sink - without drain board 470x420 mm bowl depth 178 mm	each	1	1,272.00	1,272.00
127	7116	Hard board 6mm thick	sqm	1	124.00	124.00
128	7118	Semi rigid PVC Waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings.	each	2	36.00	72.00
129	7119	Semi rigid PVC Waste pipe for sink and wash basin 32 mm dia with length not less than 700 mm i/c PVC waste fittings.	each	2	38.00	76.00
130	7121	Bottle trap	each	2	682.00	1,364.00
131	7129	S.W. intercepting trap 150 mm dia	each	5	262.00	1,310.00
132	7130	Rectangular shape 600x450 mm precast R.C.C. manhole cover with frame - L.D. - 25	each	3	743.00	2,229.00
133	7184	Oxidised M.S. safety chain for door 450gms	each	2	60.00	120.00
134	7187	C.I. grating 150mm dia weighing not less than 440 gm	each	2	29.00	58.00
135	7188	U-PVC pipes (working pressure 4 kg / cm <sup>2</sup> ) Single socketed pipe 75 mm dia	mtr	5	74.00	370.00
136	7189	UPVC Pipes ( working pressures 4kg/cm <sup>2</sup> ) single shocketed pipe size 110 mm dia	mtr	2	142.00	284.00
137	7190	U-PVC pipes (working pressure 4 kg / cm <sup>2</sup> ) Rubber (Seal) Ring 75 mm dia	each	2	9.00	18.00
138	7191	U-PVC pipes (working pressure 4 kg / cm <sup>2</sup> ) Rubber (Seal) Ring 110 mm dia	each	2	12.00	24.00
139	7192	UPVC coupler for UPVC Drainage pipes 75 mm	each	2	19.00	38.00

140	7193	UPVC coupler for UPVC Drainage pipes 110 mm	each	2	41.00	82.00
141	7194	uPVC pushfit coupler (single) 75 mm thick	each	2	20.00	40.00
142	7195	uPVC pushfit coupler (single) 110 mm thick	each	2	35.00	70.00
143	7198	UPVC single equal tee ( with door ) 75x75x75mm	each	2	64.00	128.00
144	7199	UPVC single equal tee ( with door ) 110x110x110 mm	each	2	98.00	196.00
145	7208	UPVC bend 87.5 75mm bend	each	2	38.00	76.00
146	7209	UPVC bend 87.5 110mm bend	each	2	63.00	126.00
147	7212	UPVC plain shoe 75 mm bend	each	2	29.00	58.00
148	7213	UPVC plain shoe 110 mm bend	each	2	50.00	100.00
149	7214	UPVC pipe clip 75 mm bend	each	2	15.00	30.00
150	7215	UPVC pipe clip 110 mm bend	each	2	16.00	32.00
151	7236	Precast chequered tiles 22mm thick using ordinary cement	sqm	1	232.00	232.00
152	7240	fire retardent paint	ltr	1	259.00	259.00
153	7255	road marking paint	ltr	1	124.00	124.00
154	7257	C.P. brass bibcork 15mm	each	2	330.00	660.00
155	7258	C.P. brass long nose bibcork 15mm	each	1	540.00	540.00
156	7259	C.P. brass long body bibcock 15 mm	each	2	530.00	1,060.00
157	7260	C.P. Brass stop cock (concealed) 15 mm	each	2	445.00	890.00
158	7261	C.P. brass angle valve 15 mm	each	2	378.00	756.00
159	7269	25mm thick particle board	sqm	2	450.00	900.00
160	7270	30mm thick prelaminated flush door shutter	sqm	1	900.00	900.00
161	7295	Granite of colour black cherry ruby red 18mm thick	sqm	1	1,908.00	1,908.00
162	7296	Granite of colour black cherry ruby red 30mm thick	sqm	1	2,045.00	2,045.00
163	7297	Granite of all colour except black cherry ruby red 18mm thick	sqm	1	1,076.00	1,076.00
164	7300	Granite of any colour, 18 mm thick ( slab area above 0.50 sqm)	sqm	2	2,260.00	4,520.00
165	7306	Alum T or L section	kg	1	198.00	198.00
166	7332	Corner angle 45x45x5 mm 2.50 m long	each	2	275.00	550.00
167	7358	Flushing cistern PVC 10 liter capacity ( low level) (white )( with fittings, accessories and flush pipe)	each	2	621.00	1,242.00
168	7359	P.V.C. automatic flushing cistern 5 litre capacity	each	5	477.00	2,385.00
169	7361	P.V.C. automatic flushing cistern 10 litre capacity	each	5	545.00	2,725.00
170	7363	15mm CP brass tap with elbow operation lever	each	2	464.00	928.00
171	7375	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Single lipped urinal	each	2	481.00	962.00
172	7394	Double action hydraulic floor spring with brass cover plate	each	2	1,615.00	3,230.00
173	7400	15 mm PTMT bib cock	each	2	70.00	140.00
174	7402	15mm PTMT bibcock long body with flange	each	2	106.00	212.00
175	7403	15 mm dia PTMT stop cock (male thread)	each	2	65.00	130.00
176	7406	PTMT pillar cock	each	2	125.00	250.00
177	7407	PTMT push cock 15 mm dia	each	2	61.00	122.00
178	7480	Prelaminated particle board with both side decorative lamination, flat pressed 3 layer & graded (medium density) Grade I, Type ii conforming to IS : 12823 ( exterior Grade) 12 mm thick	sqm	2	534.00	1,068.00
179	7491	PTMT - Waste Coupling 31/32 mm	each	2	35.00	70.00
180	7493	PTMT - Bottle Trap 31/32 mm	each	2	212.00	424.00
181	7495	PTMT- Ball cock 15 mm complete with Epoxy coated Aluminium Rod and H.D. Ball	each	2	79.00	158.00
182	7498	PTMT Ball Cock 40mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	2	445.00	890.00
183	7503	PTMT Liquid Soap Container of 400 ml capacity	each	2	103.00	206.00
184	7504	PTMT towel ring 215x200x37	each	2	117.00	234.00
185	7505	PTMT - Towel Rail (450 mm)	each	2	132.00	264.00
186	7507	PTMT shelf 450x124x36	each	2	160.00	320.00
187	7509	PTMT Soap Dish/Holder 138x102x75 mm	each	2	63.00	126.00
188	7512	PTMT handle 125x34x24 mm	Each	2	23.00	46.00
189	7513	PTMT handle 150x34x24 mm	Each	2	22.00	44.00
190	7515	PTMT butt hinge 100x75x10	each	2	39.00	78.00
191	7517	PTMP tower bolt 202x42x18	each	2	62.00	124.00
192	7757	MS pipe 100mm dia casing pipe	mtr	1	850.00	850.00
193	7758	upvc blind pipe 100 dia	mtr	2	465.00	930.00
194	7763	Water supply tanker of 5000 ltr capacity	each	2	1,625.00	3,250.00
195	7773	coloured CC inter locking paver block 60mm thick M-35	sqm	2	450.00	900.00
196	7776	Concrete paver block of grade M30-60mm thick	sqm	2	300.00	600.00
197	7857	PTMT grating 150mm	each	2	50.00	100.00
198	7859	PTMT Bib cock with noxle 15mm	each	2	120.00	240.00
199	7861	P.T.M.T. Stop cock (concealed) 15 mm	each	2	135.00	270.00
200	7862	15mm nominal bore and 30cm length PVC connection pipe with PTMT nuts	each	2	40.00	80.00
201	7864	P.T.M.T. extension nipple 15 mm	each	2	30.00	60.00
202	7896	Vitrified tiles	sqm	2	495.00	990.00
203	7927	Acrylic Polymer chemical for cracks	kg	2	35.00	70.00

204	8002	30mm thick factory made shutter with style, rails and panels of PVC extruded section in white, grey or wooden finish	sqm	1	2,000.00	2,000.00
205	8006	Factory made PVC rigid foam sheet 1mm thick	sqm	1	165.00	165.00
206	8007	Factory made PVC rigid foam sheet 5mm thick	sqm	1	530.00	530.00
207	8014	Factory made door frame of size 50x47mm with wall thickness 5mm made of single piece extruded profile	mtr	1	350.00	350.00
208	8019	GI sheet 0.8mm thick	kg	1	69.00	69.00
209	8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 nos	1	170.00	170.00
210	8227	SS fancy handle	10nos	1	1,150.00	1,150.00
211	8229	SS telescopic drawer channel 500mm long	set	1	595.00	595.00
212	8230	SS grade 304 basket	kg	2	310.00	620.00
213	8231	SS sliding door bolt 200x16mm	each	1	125.00	125.00
214	8232	SS tower bolt 200x10mm	each	1	93.00	93.00
215	8233	SS handle 125mm	each	1	70.00	70.00
216	8505	Acrylic exterior paint	ltr	1	170.00	170.00
217	8504	multi surfqace paint	ltr	1	350.00	350.00
218	8501	Polymer modified cementation coating	kg	5	170.00	850.00
219	8510	Metal primer	ltr	1	120.00	120.00
220	8511	Fibre reinforced elastomeric liquid water proofing membrane	ltr	5	255.00	1,275.00
221	8636	Chlorinated polyvinyl- Chlorid (CPVC) pipe 15 mm outer dia	mtr	5	43.00	215.00
222	8637	Chlorinated polyvinyl- Chlorid (CPVC) pipe 20 mm outer dia	mtr	5	59.00	295.00
223	8638	Chlorinated polyvinyl- Chlorid (CPVC) pipe 25 mm outer dia	mtr	5	95.00	475.00
224	8639	Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia	mtr	1	140.00	140.00
225	8640	Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer dia	mtr	1	200.00	200.00
226	8641	Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm outer dia	mtr	1	325.00	325.00
227	8726	1.5 mm thick decorative laminated sheet	sqm	1	418.00	418.00
228	8739	Fire rated door shutter made with 16SWG GI sheet(60min without panel	sqm	1	5,172.00	5,172.00
229	8778	Toughned glass 12mm thick	sqm	1	1,925.00	1,925.00
<b>TOTAL</b>						<b>203,887.00</b>
<b>Add GST on "X" (multiplying factor 0.2127)</b>						<b>43,366.76</b>
<b>Add CPOH 15%</b>						<b>30,583.05</b>
<b>Total with GST</b>						<b>277,836.81</b>
<b>Total DSR without GST 18%</b>						<b>235,454.93</b>
<b>MR Items</b>						
SI No.	M.R. Item No.	Particulars	Unit	QTY	Rate	Amount
1	MR	Elbow 32mm	Each	3	390.00	1170.00
2	MR	Elbow 50mm	Each	4	436.00	1744.00
3	GEM	C.P. PILLER COCK	Each	2	752.00	1504.00
4	GEM	C.P.head shower	Each	2	950.00	1900.00
5	MR	75mm brass MTA	Each	2	2630.00	5260.00
6	Gem	Shower rose c.p brass fittings	Each	6	750.00	4500.00
7	MR	Reducing Tee for 75 mm X 50 mm outer dia SS pipe	Each	3	610.00	1830.00
8	MR	75mm Tee	Each	3	670.00	2010.00
9	MR	50mm Tee	Each	6	320.00	1920.00
10	MR	80mm(supreme lifeline high pressure valve)	Each	2	6830.00	13660.00
11	MR	50mm Ball cock	Each	2	2780.00	5560.00
12	MR	75mm	Each	3	770.00	2310.00
13	MR	50mm	Each	3	520.00	1560.00
14	MR	80mm FTA	Each	3	1320.00	3960.00
15	MR	80mm MTA	Each	2	1460.00	2920.00
16	MR	Non- Return Valve 80mm	Each	2	2350.00	4700.00
17	MR	Long bend pipe for cistern	Each	6	150.00	900.00
18	MR	Clerodendrum thomsoniae plant of height 30 cm to 45 cm. in 20 cm size of Earthen pots / Plastic pots.	Each	15	44.50	667.50
19	MR	Jasminum grandiflorum (chameli) plant of height 30 cm to 45 cm. in 20 cm size of Earthen pots / Plastic pots.	Each	15	32.18	482.70
<b>TOTAL</b>						<b>58 558.20</b>
<b>Add CP &amp; OH @ 15% on MR items</b>						<b>8 783.73</b>
<b>Sub Total without GST</b>						<b>67 341.93</b>
<b>Add GST @ 18%</b>						<b>12 121.55</b>
<b>Civil work TOTAL FOR MR</b>						<b>79 463.48</b>
<b>Total DSR without GST 18%</b>						<b>67341.93</b>
<b>HORTICULTURE WORKS</b>						
Sr.No	DSR 2022	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT.
1	2.2	Supplying and stacking of good earth at site including royalty and carriage upto 5 km lead complete (earth measured in stacks will be reduced by 20% for payment).	Cum	1	515.60	515.60
2	2.4.1	Supplying and stacking at site dump manure from approved source, including carriage upto 5 km lead complete (manure measured in stacks will be reduced by 8% for payment) : 2.4.1 Screened through sieve of I.S. designation 20 mm	Cum	1	254.15	254.15

3	2.5	Rough dressing the trenched ground including breaking clods.	Sqm	10	1.50	15.00
4	2.6	Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation.	Sqm	10	4.90	49.00
5	2.7	Fine dressing of the ground.	Sqm	10	3.70	37.00
6	2.8	Spreading of sludge, dump manure and/or good earth in required thickness as per direction of officer-in-charge (cost of sludge, dump manure and/ or good earth to be paid separately).	Cum	10	52.35	523.50
7	2.9	Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge	Cum	10	36.55	365.50
8	2.10.2	Grassing with selection No. 1 Doob grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying good earth, if needed (the grass and good earth shall be paid for separately). With grass Turf	Sqm	10	13.30	133.00
9	2.29.1	Providing Circular Cement Concrete pots of specified size, cast with cement concrete of nominal mix 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 6 mm nominal size), reinforced with 7 Nos ( 3 nos horizontal & 4 nos vertical " U " shape) M.S. wires of 3.5 mm dia as per design, including required form work, finishing with cement punning on exposed surface, curing for specified period and stacking in required rows & height, all complete as per direction of Officer-in-charge : Top inside dia 25 cm, outer bottom dia 25 cm, total height 25 cm with wall thickness of	Each	5	225.05	1125.25
10	2.33	Providing and laying Neelgiri/Mexican grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with tools wooden (Dhurmos) and than rolling the surface with light roller make the surface smoothen and light watering with sprinkler and maintenance for 30 days or more till the grass establish properly, as per direction of officer-in-charge	per sqm	10	214.40	2144
11	2.34	Providing & laying Selection no. 1 grass turf with earth 50mm to 60mm thickness on existing ground prepared with proper level and ramming with required tools wooden and than rolling the surface with light roller make the surface smoothen and light watering the same, as per direction of officer in charge	per sqm	10	87.50	875
12	2.56	Anti termite treatment of lawn area through premise 30.50% I P. one liter premise diluted in 499 liters water and applying solution @ 1.00 litre solution per sqm lawn or bed area.(two application) i/c cost of chemical)and as per direction of officer-in-charge.and as per direction of officer-in-charge.	per sqm	10	7.55	75.5
13	3.3	Providing and displaying of Aglaonema Parrot Jungle (three in one), having ht. 30 cm and above with 20 to 25 leaves, well developed, fresh & healthy in 25 cm size of Earthen pot/Plastic pot & as per direction of the officerin-charge.	Each	10	67.65	676.5
14	3.18	Providing and displaying of Areca Palm having ht. 90 cm to 1.20 m with 4 to 5 suckers, well developed, fresh and healthy with lush green foliage in 25 cm size of Earthen pot/Plastic pot & as per direction of the officer-in-charge.	Each	10	157.85	1578.5
15	3.23	Providing and displaying of Brassia Variegated having ht. 30 cm, well developed with fresh and healthy foliage in 20 cm size of Earthen pot/ Plastic pot & as per direction of the officer-in-charge	Each	10	75.85	758.5
16	4.37	Providing and Displaying Marigold jaffri orange/yellow/Russet colour well developed with fresh & healthy foliage with 40 to 50 flowers in bloom specimen plant 60 to 75 cm ht in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	Each	10	150.70	1,507.00
17	4.61	Providing and Displaying Salvia ht. 45 to 60 cm multi branches stacking with bamboo stick specimen plants type with full bloom well developed in 30 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	Each	10	129.15	1,291.50
18	4.74	Providing and Displaying Cosmos well developed fresh & healthy 20 to 25 cm ht. attractive colors multi branching at blooming stage in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	Each	10	43.05	430.50
19	4.77	Providing and Displaying Kochia well developed fresh & healthy 20 to 25 cm ht. lush green well shaped in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	Each	10	32.80	328.00
20	4.86	Providing and Displaying Zinnia hybrid double in different colour well developed fresh & healthy 30 to 45 cm ht. (3 to 4 in each pot) full bloom in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	Each	10	43.05	430.50
21	4.91	Providing and Displaying Budded Rose (H.T. variety) 3 to 4 healthy branch 30 cm and above ht. well developed with one and above flower plant in 20 cm Earthen Pot, as per direction of the officer-in-charge.	Each	10	32.80	328.00
22	4.93	Providing and Displaying of Standard Rose (H.T. variety) 3 to 4 healthy branch 90 cm and above ht. well developed with one and above flowers in 25 cm Earthen Pot, as per direction of the officer-in-charge.	Each	10	150.70	1,507.00

23	5.1	Providing and Displaying Acalypha Different colour well developed, fresh & healthy with good foliage, multi branch 30 to 45 cm ht. in 20 cm size of Earthen Pot/ Plastic Pot bushy plant as per direction of the officer-in-charge.	Each	10	35.90	359.00
24	5.4	Providing and Displaying Acalypha twisted well developed with fresh & healthy 30 cm ht. in 20 cm size Earthen Pot/ Plastic Pot as per direction of the officer-in-charge.	Each	10	41.00	410.00
25	6.1	Providing and stacking of Alpinia Variegated (three in one) having ht. 30 cm and above, with fresh and healthy variegated foliage in 25 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge.	Each	10	121.00	1,210.00
26	6.2	Providing and stacking of Alternanthera species of height 15 cm to 20 cm, full of branches and foliage in 15 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-incharge.	Each	10	20.00	200.00
27	6.13	Providing and stacking of Euphorbia milli hybrid variety, having ht.30 cm to 45 cm with multi branch, full bloom, fresh and healthy leaves in 20 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge	Each	10	70.00	700.00
28	6.7	Providing and stacking of Clerodendrum inerme of ht. 20 cm to 30 cm multi branched in 15 cm size of Earthen Pot/Plastic Pot & as per direction of the officer-in-charge.	Each	10	20.00	200.00
29	7.77	Providing and stacking of Polyalthia pendula (Ashok Pendula) of height 180-195 cm. in gunny bag of size 30 cm as per direction of the officer-in-charge.	Each	10	100.00	1,000.00
30	7.1	Providing and stacking of Bottle palm of ht. 150-180 cm bottom girth 20-25 cm well developed in big poly bags of size 25 cm as per direction of the officer-in-charge.	Each	10	180	1800
31	7.39	Providing and stacking of Fishtail palm of ht. 150-180 cm bottom girth 15-20 cm well developed in big poly bags of size 25 cm as per direction of the officer-in-charge.	Each	10	200	2000
32	7.52	Providing and stacking of Magnolia grandiflora of height 150-165 cm. in big poly bag of size 25 cm as per direction of the officer-in-charge.v	Each	10	380	3800
33	7.66	Providing and stacking of Pithecellobium dulce (Jungle Jalebi) of height 120-150 cm. in Big HDPE Bag as per direction of the officer-in-charge.	Each	10	60	600
34	7.67	Providing and stacking of Plumeria acutifolia of height 120-135 cm. with 2-3 branches in HDPE bag of size 30 cm as per direction of the officer-in-charge.	Each	10	110	1100
35	8.13	Providing and stacking of Cestrum nocturnum (Raat ki Rani) of height 60-75 cm. with 4-5 branches in bag of size 25 cm as per direction of the officer-in-charge.	Each	10	40	400
36	8.18	Providing and stacking of Euphorbia caracasana (bronze colour leaves) of height 90-105 cm., bushy in big size HDPE bag as per direction of the officer-in-charge.	Each	10	105	1050
37	8.2	Providing and stacking of Euphorbia pulcherrima (dark red) well branched (poinsettia Red Hegg) of height 60-75 cm. in earthen pots of size 25 cm as per direction of the officer-incharge.	Each	10	60	600
38	8.21	Providing and stacking of Excoecaria bicolor of height 45-60 cm. in earthen pots of size 20 cm as per direction of the officer-in-charge	Each	10	40	400
39	8.3	Providing and stacking of Gardenia jasminoides of height 45-60 cm. with 3-4 branches in earthen pots of size 20 cm as per direction of the officer-in-charge.	Each	10	50	500
40	8.47	Providing and stacking of Murraya Koenigii spreng (Kadipatta/meetha neem) of ht 45-60 cm well developed in earthen pots of size 20 cm. per direction of the officer-in-charge.	Each	10	25	250
41	8.51	Providing and stacking of Nerium oleander (kaner) dwarf of height 30-40 cm. in earthen pot of size 20 cm as per direction of the officer-in-charge	Each	10	40	400
42	9.3	Providing and stacking Bignonia venusta (Golden shower) of height 30 cm to 45 cm. in 20 cm size of Earthen pots / Plastic pots & as per direction of the officer-in-charge	Each	10	40	400
43	9.8	Providing and stacking Jasmine grandiflorum (chameli) of height 30 cm to 45 cm. in 20 cm size of Earthen pots / Plastic pots & as per direction of the officer-in-charge. .	Each	10	30	300
44	9.9	Providing and stacking Jasmine humile (Yellow) of height 30 cm to 45 cm. in 20 cm size of Earthen pots / Plastic pots & as per direction of the officer-in-charge	Each	10	30	300
	10.1	Providing and stacking winter seasonal seedlings/cuttings at site of work well developed and healthy free from disease in per tray and each tray having 100 Nos plants as per direction of the officer-in-charge		10		
45	10.1.1	Alyssum	Each	10	420	4200

					<b>Total DSR with GST</b>	<b>37,127.50</b>
					Add Cost Index @ 6.54%	<b>2,428.14</b>
					<b>Total DSR with Cost Index with GST</b>	<b>39,555.64</b>
					<b>Total DSR without GST</b>	<b>33,521.73</b>
					<b>Grand Total DSR &amp; MR with GST</b>	<b>45 68 730.71</b>
					<b>Grand Total DSR &amp; MR without GST</b>	<b>38 71 805.69</b>

- Note:**
1. The above item/materials quantities may be increase or decrease as per the site requirement & direction of Engineer-in-Charge of ESIC.
  2. The item/materials which are not included in the estimate shall be made available at site for smooth functioning of hospital services.
  3. Payment shall be released only for executed quantity as per the direction of Engineer-in Charge/ESIC
  4. All NDSR items rates are resonable & Prevailing markets rate .

Name of the work: Annual Repair and Maintenance of Residential and Non-Residential Buildings (Civil and Electrical work) at ESI Hospital Choudwar (Package-1)						
ELECTRICAL WORK - Choudwar Area						
Sl no	DSR-2022/MR	Disprection	Unit	QTY	RATE	Total Amount (Rs.)
	1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
1	1.3.1	Group A	Point	10	1244	12440
2	1.3.2	Group B	Point	10	1488	14880
3	1.3.3	Group C	Point	10	1845	18450
	1.15	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required.				
4	1.15.1	Group A	Point	50	574	28700
5	1.15.2	Group B	Point	50	637	31850
6	1.15.3	Group C	Point	30	894	26820
7	1.4	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq. mm. FRLS PVC insulated copper conductor single core cable etc. as required.	Point	10	1981	19810
8	1.12	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Metre	50	334	16700
	1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
9	1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	90	233	20970
10	1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	90	275	24750
11	1.14.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	90	334	30060
12	1.14.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	90	439	39510
13	1.14.5	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	Metre	90	570	51300
	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
14	1.21.1	25 mm	Metre	10	145	1450
15	1.21.2	32 mm	Metre	10	184	1840
16	1.21.3	40 mm	Metre	10	228	2280
17	1.21.5	50 mm	Metre	40	284	11360

	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
18	1.27.1	1 or 2 Module (75mmX75mm)	Each	20	298	5960
19	1.27.2	3 Module (100mmX75mm)	Each	20	327	6540
20	1.27.4	6 Module (200mmX75mm)	Each	10	402	4020
21	1.27.5	8 Module (125mmX125mm)	Each	10	454	4540
22	1.27.6	12 Module (200mmX150mm)	Each	10	547	5470
23	1.18.1	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required. 1 Pair	Metre	100	31	3100
24	1.19	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	Metre	100	47	4700
25	1.33	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	Each	100	87	8700
26	1.49	Numbering of ceiling fan/ exhaust fan/ fluorescent fittings as required.	Each	50	57	2850
27	1.50.1	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.Upto 450 mm sweep	Each	10	450	4500
28	1.51	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	Each	10	207	2070
	1.53	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.				
29	1.53.1	1 run of cable	Metre	600	57	34200
30	1.53.2	2 run of cable	Metre	100	96	9600
31	1.53.2	3 run of cable	Metre	100	134	13400
32	1.58	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	Each	14	110	1540
		DB PANEL/MCB PANEL/ LT Panel Work				
	2.2	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
33	2.2.13	100 A,30KA,FPMCCB	Each	2	7723	15446
34	2.2.14	125 A,36KA,FPMCCB	Each	2	8209	16418
35	2.2.16	250 A,36KA,FPMCCB	Each	2	17510	35020
36	2.2.18	400 A,50KA,FPMCCB	Each	1	42665	42665
	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)	Each			
37	2.3.2	8 way , Double door	Each	2	2573	5146
38	2.3.3	12 way , Double door	Each	2	2315	4630
39	2.3.4	16 way, Double door	Each	2	3141	6282



	2.1	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.				
40	2.10.1	Single pole	Each	10	256	2560
41	2.10.3	Double pole	Each	10	656	6560
	2.12	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
42	2.12.1	40 A	Each	31	435	13485
43	2.12.2	63 A	Each	26	527	13702
	2.13	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
44	2.13.1	40 A	Each	5	970	4850
45	2.13.2	63 A	Each	5	1034	5170
	2.14.3	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63 A	Each	2	2722	5444
46	2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	10	13	130
47	2.17	Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32 A 415 V "C" curve TP MCB complete with connections, testing and commissioning etc. as required.	Each	1	1592	1592
48	2.21	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Each	1	269	269
49	2.22	Providing and fixing H.T. danger notice plate of 250mm x 200m made of mild steel atleast 2mm thick and vitreous enamelled white on both sides and with inscription in single red colour on front side as required	Each	1	292	292
	2.23	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following single pole and neutral, sheet steel, MCB distribution board, 240 Volts, on surface/ recess, complete with testing and commissioning etc. as required.				
50	2.23.2	For 8 way, Double door SPN MCBDB	Each	1	832	832
51	2.23.4	For 14 way, Double door SPN MCBDB	Each	1	902	902

	3.1	Supplying, installing on wall, testing and commissioning of following capacity rising mains made of 1.6mm thick IP 42 sheet steel enclosure duly painted with powder coating, wall straps, fully PVC insulated 4 Nos aluminium bus bars having current density of 130 A/ sq cm at nominal current rating in convenient sections and suitable for 415 V, 3 phase, 4 wire, 50 Hz, A.C. supply with extension joints, fire proof barriers, expansion joints, thrust pads including jointing and earthing with 2 runs of galvanised iron strips etc. as required. (Rising mains conforming to IS 8623, TEC 439)				
52	3.1.1	200 A (S.C. rating for 1 sec - 15 kA)	Metre	5	7321	36605
53	3.1.3	400 A (S.C. rating for 1 sec - 15 kA)	Metre	5	9348	46740
	4.6	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (Galvanisation thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
54	4.6.3	225 mm width X 50 mm depth X 1.6 mm thickness	Metre	50	895	44750
55	4.6.4	300 mm width X 50 mm depth X 1.6 mm thickness	Metre	50	963	48150
56	4.6.6	450 mm width X 50 mm depth X 2.0 mm thickness	Metre	20	1325	26500
57		<b>Earthing and Lightning Arrester</b>				
58	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 metre long etc. with charcoal/ coke and salt as required.	Each	10	7472	74720
59	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 metre long etc. with charcoal/ coke and salt as required.	Each	8	13838	110704
60	5.7	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	Metre	10	51	510
61	5.14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	Metre	10	1162	11620
62	5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Metre	10	244	2440
63	5.16	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	Metre	10	70	700
64	5.17	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	Metre	50	155	7750
65	6.2	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	10	518	5180

66	6.3	Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.	Each	10	360	3600
		<b>LT Cable Laying work</b>				
	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.				
67	7.1.1	upto 35sqmm	Metre	10	387	3870
68	7.1.2	Above 35 sq. mm and upto 95 sq. mm	Metre	10	405	4050
69	7.1.3	Above 95 sq. mm and upto 185 sq. mm	Metre	10	422	4220
70	7.1.4	Above 185 sqm and upto 400 sqmm	Metre	10	474	4740
	7.8	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.				
71	7.8.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	Metre	10	45	450
72	7.8.2	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	Metre	10	92	920
	9.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
73	9.1.20	3½ X 25 sq. mm (28mm)	Each	2	313	626
74	9.1.21	3½ X 35 sq. mm (32mm)	Each	2	369	738
75	9.1.22	3½ X 50 sq. mm (35mm)	Each	2	413	826
76	9.1.23	3½ X 70 sq. mm (38mm)	Each	2	468	936
77	9.1.24	3½ X 95 sq. mm (45mm)	Each	2	588	1176
78	9.1.25	3½ X 120 sq. mm (45mm)	Each	2	613	1226
79	9.1.26	3½ X 150 sq. mm (45mm)	Each	2	697	1394
80	9.1.27	3½ X 185 sq. mm (45mm)	Each	2	875	1750
81	9.1.29	3½ X 240 sq. mm (45mm)	Each	2	1027	2054
82	9.1.30	3½ X 300 sq. mm (45mm)	Each	2	1195	2390
83	9.1.31	3½ X 400 sq. mm (45mm)	Each	2	1556	3112
	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.				
84	9.4.17	3½ X 25 sq. mm	Each	1	2478	2478
85	9.4.18	3½ X 35 sq. mm	Each	1	2478	2478
86	9.4.19	3½ X 50 sq. mm	Each	1	2478	2478
87	9.4.20	3½ X 70 sq. mm	Each	1	3363	3363
88	9.4.21	3½ X 95 sq. mm	Each	1	3517	3517
89	9.4.22	3½ X 120 sq. mm	Each	1	4538	4538
90	9.4.23	3½ X 150 sq. mm	Each	1	4538	4538
91	9.4.24	3½ X 185 sq. mm	Each	1	4919	4919
92	9.4.26	3½ X 240 sq. mm	Each	1	4919	4919
93	9.4.27	3½ X 300 sq. mm	Each	1	6107	6107
94	9.4.28	3½ X 400 sq. mm	Each	1	7966	7966
	14.13	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required				
95	14.13.1	50 mm dia	Rm	6	762.15	4572.9
96	14.13.3	100 mm dia	Rm	6	1806	10836
97	14.13.4	150 mm dia	Rm	6	2740	16440

98	1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	Each	10	99	990
99	19.1	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all	Each	10	2730	27300
<b>SUB TOTAL</b>						1,207,642
<b>Add Multiplying Factor @ 1.0633 for GST 12% to 18%</b>						1,284,085.63
<b>Total Without GST</b>						<b>1,088,208.16</b>
1	1101	1.5 Sq. mm ISI Marked FRLS PVC insulated Single Core Copper Conductor Cable	Mtr.	300.00	18.00	5,400.00
2	1102	2.5 Sq. mm ISI Marked FR PVC insulated Single Core Copper Conductor Cable	Mtr.	150.00	28.00	4,200.00
3	1103	4.0 Sq. mm ISI Marked FRLS PVC insulated Single Core Copper Conductor Cable	Mtr.	150.00	42.00	6,300.00
4	1104	6.0 Sq. mm ISI Marked FRLS PVC insulated Single Core Copper Conductor Cable	Mtr.	90.00	63.00	5,670.00
5	1105	10 Sq. mm ISI Marked FRLS PVC insulated Single Core Copper Conductor Cable	Mtr.	90.00	106.00	9,540.00
6	1106	16 Sq. mm ISI Marked FRLS PVC insulated Single Core Copper Conductor Cable	Mtr.	90.00	164.00	14,760.00
7	1224	20mm Dia ISI Marked, PVC Conduit	Each	80.00	21.00	1,680.00
8	1225	25mm Dia ISI Marked, PVC Conduit	Each	80.00	29.00	2,320.00
9	1226	32mm Dia ISI Marked, PVC Conduit	Each	80.00	46.00	3,680.00
10	1229	20MM PVC Bends	Each	50.00	8.00	400.00
11	1230	25MM PVC Bends	Each	50.00	11.00	550.00
12	1231	32MM PVC Bends	Each	40.00	18.00	720.00
13	1234	20MM PVC Coupler	Each	50.00	6.00	300.00
14	1235	25MM PVC Coupler	Each	50.00	7.00	350.00
15	1236	32MM PVC Coupler	Each	50.00	11.00	550.00
16	1239	20mm PVC junction box, One way	Each	30.00	18.00	540.00
17	1240	20mm PVC junction box, two way	Each	30.00	19.00	570.00
18	1241	75mmX75mmX50mm PVC Box	Each	20.00	22.00	440.00
19	1300	Modular G.I Box for 2 Module	Each	30.00	33.00	990.00
20	1301	Modular G.I Box for 3 Module	Each	40.00	41.00	1,640.00
21	1302	Modular G.I Box for 4 Module	Each	40.00	48.00	1,920.00
22	1303	Modular G.I Box for 6 Module	Each	40.00	74.00	2,960.00
23	1304	Modular G.I Box for 8 Module	Each	50.00	90.00	4,500.00
24	1305	Modular G.I Box for 12 Module	Each	20.00	114.00	2,280.00
25	1401	Ceiling rose, 3pin 5A ISI Marked	Each	40.00	20.00	800.00
26	1402	S.P. 5/6 amps , one way modular switch, ISI Marked	Each	60.00	34.00	2,040.00
27	1403	S.P. 5/6 amps , two way modular switch, ISI Marked	Each	30.00	68.00	2,040.00
28	1404	S.P. 15/16 amps , one way modular switch, ISI Marked	Each	80.00	74.00	5,920.00
29	1405	3pin 5/6 amps, modular socket outlet, ISI Marked	Each	70.00	63.00	4,410.00
30	1406	6pin 15/16 amps, modular socket outlet, ISI Marked	Each	50.00	105.00	5,250.00
31	1407	Modular bell push, ISI marked	Each	30.00	62.00	1,860.00
32	1408	Stepped type modular fan regulator (2Module)	Each	20.00	220.00	4,400.00
33	1409	Telephone Socket outlet modular type	Each	50.00	68.00	3,400.00
34	1410	TV socket outlet module type	Each	30.00	68.00	2,040.00
35	1411	modular blanking plate	Each	100.00	16.00	1,600.00
36	1421	Modular base & cover plate for 1/2 modules	Each	100.00	42.00	4,200.00
37	1422	Modular base & cover plate for 3 modules	Each	80.00	56.00	4,480.00
38	1423	Modular base & cover plate for 4 modules	Each	60.00	61.00	3,660.00
39	1424	Modular base & cover plate for 6 modules	Each	60.00	79.00	4,740.00
40	1425	Modular base & cover plate for 8 modules	Each	80.00	101.00	8,080.00
41	1426	Modular base & cover plate for 12 modules	Each	30.00	147.00	4,410.00
42	1442	Brass batten/angle holder	Each	10.00	38.00	380.00
43	1444	Call bell/buzzer single phase	Each	40.00	44.00	1,760.00
44	1451	UTP 4pair Cat-6 LAN Cable	Mtr.	200.00	28.00	5,600.00

45	1452	PVC batten/angle holder	Each	40.00	22.00	880.00
46	1601	32 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	Each	1.00	1,443.00	1,443.00
47	1602	63 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	Each	1.00	2,127.00	2,127.00
48	1603	100 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	Each	1.00	4,346.00	4,346.00
49	1604	125 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	Each	1.00	5,151.00	5,151.00
50	1605	160 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	Each	1.00	5,851.00	5,851.00
51	1606	200 amps. TPN switch fuse unit with ISI marked HRC fuses	Each	1.00	7,009.00	7,009.00
52	1607	315 amps. TPN switch fuse unit with ISI marked HRC fuses	Each	1.00	10,647.00	10,647.00
53	1608	400 amps. TPN switch fuse unit with ISI marked HRC fuses	Each	1.00	13,025.00	13,025.00
54	1610	3 pole MCCB, 100A, 16KA	Each	1.00	2,644.00	2,644.00
55	1611	3 pole MCCB, 125A, 16KA	Each	1.00	3,403.00	3,403.00
56	1612	3 pole MCCB, 150A, 16KA	Each	1.00	4,287.00	4,287.00
57	1613	3 pole MCCB, 200A, 16KA	Each	1.00	5,541.00	5,541.00
58	1614	3 pole MCCB, 200A, 25KA	Each	1.00	8,051.00	8,051.00
59	1615	3 pole MCCB, 250A, 25KA	Each	1.00	9,522.00	9,522.00
60	1618	3 pole MCCB, 400A, 35KA	Each	1.00	15,986.00	15,986.00
61	1622	4 pole MCCB,100A,30KA	Each	1.00	5,623.00	5,623.00
62	1623	4 pole MCCB, 125A, 36KA	Each	1.00	5,961.00	5,961.00
63	1624	4 pole MCCB, 200A, 36KA	Each	1.00	11,243.00	11,243.00
64	1625	4 pole MCCB, 250A, 36KA	Each	1.00	12,953.00	12,953.00
65	1627	4 pole MCCB, 400A, 50KA	Each	1.00	31,928.00	31,928.00
66	1628	4 pole MCCB, 630A, 50KA	Each	1.00	32,250.00	32,250.00
67	1706	6 amps. to 32 amps. ratings , SP MCB, "C" curve, 10 KA breaking capacity	Each	25.00	135.00	3,375.00
68	1708	6 amps. to 32 amps. ratings , DP MCB, "C" curve, 10 KA breaking capacity	Each	25.00	437.00	10,925.00
69	1709	6 amps. to 32 amps. ratings , TP MCB, "C" curve, 10 KA breaking capacity	Each	10.00	702.00	7,020.00
70	1710	6 amps. to 32 amps. ratings , TPN MCB, "C" curve, 10 KA breaking capacity	Each	10.00	869.00	8,690.00
71	1711	Single pole, blanking plate	Each	40.00	8.00	320.00
72	1712	40 amps., 2 pole isolator	Each	4.00	270.00	1,080.00
73	1713	63 amps., 2 pole isolator	Each	4.00	340.00	1,360.00
74	1714	40 amps., 4 pole isolator	Each	4.00	616.00	2,464.00
75	1715	63 amps., 4 pole isolator	Each	4.00	664.00	2,656.00
76	1716	100 amps., 4 pole isolator	Each	4.00	810.00	3,240.00
77	1717	25 amps. rating, 2 pole RCCB, 30mA	Each	5.00	1,458.00	7,290.00
78	1718	40 amps. rating, 2 pole RCCB, 30mA	Each	5.00	1,922.00	9,610.00
79	1719	63 amps. rating, 2 pole RCCB, 30mA	Each	5.00	1,982.00	9,910.00
80	1720	25 amps. rating, 4 pole RCCB, 30mA	Each	3.00	1,836.00	5,508.00
81	1721	40 amps. rating, 4 pole RCCB, 30mA	Each	5.00	2,290.00	11,450.00
82	1722	63 amps. rating, 4 pole RCCB, 30mA	Each	5.00	2,052.00	10,260.00
83	1730	20 amps. SPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	Each	10.00	680.00	6,800.00
84	1731	20 amps. TPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	Each	10.00	997.00	9,970.00
85	1732	30 amps. TPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	Each	7.00	2,142.00	14,994.00
86	1738	6 way, SPN, single door, MCB DB	Each	2	1,347.00	2,694.00
87	1739	8 way, SPN, single door, MCB DB	Each	2	1,624.00	3,248.00
88	1740	12 way, SPN, double door, MCB DB	Each	2	1,429.00	2,858.00
89	1741	14 way, SPN, double door, MCB DB	Each	2	2,053.00	4,106.00
90	1742	Sheet steel DP MCB enclosure	Each	6	300.00	1,800.00
91	1743	Sheet steel TP MCB enclosure	Each	6	354.00	2,124.00
92	1754	4 way (4+12) TPN MCB DB double door horizontal type	Each	1	2,712.00	2,712.00
93	1755	6 way (4+18) TPN MCB DB double door horizontal type	Each	1	3,378.00	3,378.00
94	1760	4 way (4+12), TPN, vertical type, MCB DB, double door	Each	1	5,294.00	5,294.00
95	1761	8 way (4+24), TPN, vertical type, MCB DB, double door	Each	1	7,297.00	7,297.00

96	1762	12 way (4+36), TPN, vertical type, MCB DB, double door	Each	1	9,311.00	9,311.00
97	2121	Brass compression gland for (32 mm) 3½ X 35 sq. mm1.1 KV grade cable	set	10.00	84.75	847.50
98	2122	Brass compression gland for (35 mm) 3½ X 50 sq. mm1.1 KV grade cable	set	10.00	111.00	1,110.00
99	2123	Brass compression gland for (38 mm) 3½ X 70 sq. mm1.1 KV grade cable	set	10.00	139.50	1,395.00
100	2124	Brass compression gland for (45 mm) 3½ X 95 sq. mm1.1 KV grade cable	set	10.00	166.50	1,665.00
101	2125	Brass compression gland for (45 mm) 3½ X 120 sq. mm1.1 KV grade cable	set	5.00	166.50	832.50
102	2126	Brass compression gland for (50 mm) 3½ X 150 sq. mm1.1 KV grade cable	set	5.00	213.75	1,068.75
103	2127	Brass compression gland for (57 mm) 3½ X 185 sq. mm1.1 KV grade cable	set	5.00	273.75	1,368.75
104	2129	Brass compression gland for (62 mm) 3½ X 240 sq. mm1.1 KV grade cable	set	5.00	323.25	1,616.25
105	2130	Brass compression gland for (70 mm) 3½ X 300 sq. mm1.1 KV grade cable	set	5.00	386.25	1,931.25
106	2131	Brass compression gland for (82 mm) 3½ X 400 sq. mm1.1 KV grade cable	set	5.00	551.25	2,756.25
107	2201	Aluminium lugs for 6 sq. mm cable	Each	20.00	1.58	31.60
108	2202	Aluminium lugs for 10 sq. mm cable	Each	20.00	2.10	42.00
109	2203	Aluminium lugs for 16 sq. mm cable	Each	20.00	3.00	60.00
110	2204	Aluminium lugs for 25 sq. mm cable	Each	20.00	4.13	82.60
111	2205	Aluminium lugs for 35 sq. mm cable	Each	20.00	4.95	99.00
112	2206	Aluminium lugs for 50 sq. mm cable	Each	12.00	7.43	89.16
113	2207	Aluminium lugs for 70 sq. mm cable	Each	12.00	11.55	138.60
114	2208	Aluminium lugs for 95 sq. mm cable	Each	12.00	12.38	148.56
115	2209	Aluminium lugs for 120 sq. mm cable	Each	12.00	17.25	207.00
116	2210	Aluminium lugs for 150 sq. mm cable	Each	12.00	22.50	270.00
117	2211	Aluminium lugs for 185 sq. mm cable	Each	12.00	27.75	333.00
118	2213	Aluminium lugs for 240 sq. mm cable	Each	12.00	48.00	576.00
119	2214	Aluminium lugs for 300 sq. mm cable	Each	12.00	67.50	810.00
120	2215	Aluminium lugs for 400 sq. mm cable	Each	12.00	97.50	1,170.00
121	2852	Iron screws, 35 mm X 6 mm	Each	500.00	1.80	900.00
122	2853	Iron screws, 40 mm X 6 mm	Each	500.00	1.80	900.00
123	2855	Steel fastener 6 mm X 75 mm	Each	200.00	7.20	1,440.00
124	2856	Steel fastener 8 mm X 75 mm	Each	100.00	10.80	1,080.00
125	2857	PVC fastener 40mm long	Each	500.00	0.90	450.00
126	2858	PVC Clips for fixing	Each	1,000.00	0.45	450.00
127	2859	Rubber/ PVC bushes	Each	1,000.00	0.90	900.00
128	2891	HDPE Pipe 63 mm dia	mtr	50.00	78.00	3,900.00
129	2892	HDPE Pipe 90 mm dia	mtr	50.00	108.00	5,400.00
130	2896	HDPE Pipe Coupler 63 mm dia	Each	50.00	16.00	800.00
131	2897	HDPE Pipe Coupler 90 mm dia	Each	50.00	72.00	3,600.00
132	2931	PVC sleeve	mtr	200.00	7.20	1,440.00
133	2932	250mmX200mm H.T. Danger Notice plate	Each	3.00	72.00	216.00
134	2933	200mmX150mm M.V. Danger Notice plate	Each	3.00	54.00	162.00
135	2938	Cotton waste, cleaning cloth etc.	kg	40.00	49.50	1,980.00
<b>Total</b>						<b>557,211.77</b>
<b>Add CP &amp; OH @ 15% on MR items</b>						<b>83,581.77</b>
<b>Sub Total without GST</b>						<b>640,793.54</b>
<b>Add GST @ 18%</b>						<b>115,342.84</b>
<b>Electrical work TOTAL FOR MR with GST</b>						<b>756,136.37</b>
<b>Total Without GST</b>						<b>640,793.54</b>
<b>MARKET RATE ITEMS</b>						
1	MR	Replacement of 2.5 M.F.D fan condenser.	Each	20	35.00	700.00
2	MR	Supply of PVC insulated tape 12mm.	Roll	10	16.00	160.00
3	MR	Supply of 100 Amps Porceline base kit kat fuse	Each	5	875.00	4375.00
4	GEM	Supply of 9 watt LED bulb THRADE TYPE	Each	10	150.00	1500.00
5	MR	Supply of thrade type holder	Each	10	150.00	1500.00
	MR	Supply of following size board cover for existing board ( Hylam make 3 mm thick)				
6	MR	150mm x 100mm	Each	25	72.00	1800.00
7	MR	180mm x 100mm	Each	25	78.00	1950.00

8	MR	Supply of 63 Amps. TPN rotary Main switch.	Each	12	3600.00	43200.00
9	MR	Supply of 5 Amps. 3 pin top.	Each	18	45.00	810.00
10	MR	Supply of 15 Amps. 3 pin top.	Each	20	75.00	1500.00
11	GEM	Supply of street light fittings 90 watt LED street light made up of pressur dia cast housing with toughned glass and high power LEDs with secondary optics	Each	5	5604.00	28020.00
12	GEM	Calling bell ding dong type or table bell	Each	10	503.00	5030.00
13	GEM	Supply 18watt 50Hz 230 volt LED based tubelight type lamp fittings	Nos.	10	362.00	3620.00
14	GEM	Supply of Weather proof 10sq mm 2core pvc/xlap ARMoured CABLES with aluminium conductor 650/1100 v grade	Each	10	130.00	1300.00
15	GEM	Supply of Weather proof 35sq mm 4core pvc/xlap ARMoured CABLES with aluminium conductor 650/1100 v grade as required	Each	10	390.00	3900.00
16	GEM	Supply of Weather proof 70sq mm 4core pvc/xlap ARMoured CABLES with aluminium conductor 650/1100 v grade as required	Each	10	525.00	5250.00
17	GEM	Supply of Weather proof 120sq mm 4core pvc/xlap ARMoured CABLES with aluminium conductor 650/1100 v grade as required	Each	10	609.00	6090.00
18	MR	Winding of BLDC Fan	Nos	3	1000.00	3000.00
19	MR	Driver for BLDC Fan	Nos	5	980.00	4900.00
20	MR	Supply of exhaust fan	Nos	3	2,600.00	7800.00
21	MR	Reapiring of exhaust fan including winding and bearing etc	Nos	5	800.00	4000.00
		<b>FIRE FIGHTING</b>				
22	GEM	Supply of ABC Powder extinguisher 6kg	each	1	5000	5000.00
23	GEM	Supply of co2 extinguisher 4.5kg	each	1	6500	6500.00
24	NDSR	Filling of fire extinguisher CO2 Type	Nos	5	942.00	4710.00
25	NDSR	Filling of fire extinguisher ABC Type	Nos	5	765.00	3825.00
		<b>AC MAINTANANCE</b>				
26	MR	Servicing of 1.5ton split AC	job	1	1656	1656.00
27	MR	Condenser of 1.5ton AC	Each	1	5689	5689.00
28	MR	Compressor of 1.5ton AC	Each	1	7520	7520.00
29	MR	Condenser of 2 ton AC	Each	1	6800	6800.00
30	MR	Compressor of 2 ton AC	Each	1	8500	8500.00
31	MR	Capacitor	Each	1	547	547.00
32	MR	outdoor motor	Each	1	3725	3725.00
33	MR	indoor motor	Each	1	3311	3311.00
34	MR	pcb	Each	1	3724	3724.00
35	MR	insulation	mtr	8	125	1000.00
36	MR	Supply & Installation of Split AC (1.5 ton)	Each	1	66200.00	66200
37	NDSR	Single phase Submersible motor pump set (Texmo / Crompton Greaves/ Aquatic/ CRI/ V-Guar suitable for 100 mm bore well and above. 3 HP STAGE 7 to 40 with control panel/starter.	Each	1	38,689.00	38689
38	NDSR	Supplying fitting and fixing including necessary connection as approved by the Deptt.)of Starter ( Crompton Greaves/ Control & Switch Gear/ BCH/ L& T / Siemens make) of following type and capacity as specified and directed by the Department. ( Crompton Greaves/ Control & Switch Gear/ BCH/ L& T / Siemens make) D.O.L Starter ( Crompton Greaves/ Control & Switch Gear/ BCH/ L& T / Siemens make)0.5 TO 10 HP, 0.72 TO 20 A.	Each	1	3,579.00	3579
39	NDSR	Lifting and Sinking of submersible motor pump/ejecto assembly etc. as required complete				0
40	NDSR	Lifting	Each	1	5,100.00	5100
41	NDSR	Sinking	Each	1	5,100.00	5100
42	NDSR	Complete Overhaulic Repairing, rewinding, changing of Bearing of submersible motor of the following capacities 3HP	Each	1	8,500.00	8500

43	NDSR	10 HP three Phase Centrifugal monoblock pump set (Crompton Greaves/ Aquatic/ CRI/ V-Guard make) 2900 rpm A class insulation with Star delta Starter ( Crompton Greaves/ Control & Switch Gear/ BCH/ L& T / Siemens make) Fully Automatic citation	Each	1	54,000.00	54000
44	NDSR	Supplying with fitting and fixing rebuilt Rotary compressor in exchange of existing burnt out compressor complete with overhauling the Machine, Gas charging with fresh refrigerant and testing etc complete	Each	1	13,200.00	13200
45	NDSR	Supplying, fitting and fixing of Single Phase Fan Motor of 1.00 Ton to 2.00 Ton capacity Split type Air Conditioner Machine	Each	1	3,030.00	3030
46	NDSR	Supplying with fitting and fixing Single Phase D.O.L Starter of the following specification complete including making necessary connection as approved, specified and directed by the deptt. Overload Relay Range 3.8 - 6.0 Amps for 2.2 KW	Each	1	2,340.00	2340
47	NDSR	Supplying with fitting and fixing of Running/Starting capacitor in exchange of the existing for the Split type A.C.	Each	1	650.00	650
48	NDSR	Supplying with fitting and fixing PCB in exchange of existing burnout PCB of the following A.C. machine 2.00 Ton Capacity	Each	1	3,680.00	3680
49	NDSR	Copper pipe including cable fitting ( 1/4, 1/2, 5/8)	Rm	4	1,050.00	4200
50	NDSR	Supplying with fitting and fixing Voltage stabilizer of the following specification complete including making necessary connection as approved, specified and directed by the deptt. (SKYLAND / Vee-Dee / V GUARD / VERTEX/ INDO/ VENUS make) 2 KVA	Each	1	6,750.00	6750
51	NDSR	Annual maintenance of Window and Split type Air conditioner Machine (5 years old compressor)	Each	10	5,455.00	54550
52	NDSR	One time Repair and AMC of STP plant Installed at ESIC BO Jagatpur Campus with all Allied Consumbe part with One year	Job	1	600,000.00	600000
<b>Total</b>						<b>1062480</b>
<b>Add CP &amp; OH @ 15% on MR items</b>						<b>159372</b>
<b>Sub Total without GST</b>						<b>1221852</b>
<b>Add GST @ 18%</b>						<b>219933</b>
<b>Electrical work TOTAL FOR MR</b>						<b>1441785</b>
<b>Total Without GST</b>						<b>1221852</b>
<b>Grand Total DSR &amp; MR with GST</b>						<b>34 82 007.36</b>
<b>Grand Total DSR &amp; MR without GST</b>						<b>29 50 853.70</b>
<b>Note:</b>						
<b>1. The above item/materials quantities may be increase or decrease as per the site requirement &amp; direction of Engineer-in-Charge of ESIC.</b>						
<b>2. The item/materials which are not included in the estimate shall be made available at site for smooth functioning of hospital services.</b>						
<b>3. Payment shall be released only for executed quantity as per the direction of Engineer-in Charge/ESIC</b>						
<b>4. All NDSR items rates are resonable &amp; Prevailing markets rate .</b>						



**Name of the work: Annual Repair and Maintenance of Residential and Non-Residential Buildings (Civil and Electrical work) at ESI Hospital Choudwar (Package-1)**

**MAINTENANCE & OPERATION MANPOWER - Choudwar**

S.No	Category of Worker	Category	No. of Manpower	No. of Day	Wages per day (Incl. All) (Area -B)	Cost Per Year In Rs.
1	<b>Electrician</b> cum DG operator cum Attendent cum pump operator cum HVAC Operator (ITI with 3 year exp.) - Operation, day to day maintenance of LT/HT Panel, DG set, AMF Panel, earthing, MCB, DB Box and as per the direction of Engineer in charge for ESI Hospital Choudwar	<b>Skilled</b>	3	313	1,128.00	1,059,192.00
2	<b>Mali cum sewer man:</b> Work as directed by the ESIC Engineer in charge for Jharsuguda and Kanshbahal	<b>Un Skilled</b>	1	313	864.00	270,432.00
3	<b>Helper/khalassi/Belder (2:1 ratio)-</b> Assisting Electrician/Plumber and other worker as directed by Engineer in charge.)	<b>Un Skilled</b>	2	313	864.00	540,864.00
4	<b>Plumber</b>	<b>Skilled</b>	1	313	1,128.00	353,064.00
			7			<b>2,223,552.00</b>
<b>TOTAL AMOUNT</b>						<b>2,223,552.00</b>
<b>SAY TOTAL AMOUNT WITH GST</b>						<b>2,223,552.00</b>
<b>Total Without GST</b>						<b>1,884,366.10</b>

\* Reliver shall be considered as per the standard ARM work procedure

**Note:**

1. This is a tentative estimate cost based on CPWD Maintenance Manual 2023, However man power requirement has been considered as per the instruction of ESIC Engineer and Details obtained from ESI Hospital Chandrasekherpur, and its related Establishments. Manpower can be increased or decreased as per the requirement. ESI Payment shall be released based on manpower approved by ESI and present at site in respective month.

2. General day hours shall be from 09:00 A.M to 05.00 PM

3. Whole day has been spilt up into three (3) shifts of 8 hours duration each. (1s shift (6.00 am to 2.00 pm). 2nd shift (2.00 pm to 10.00 pm). 3rd shift (10.00pm to 6.00am).

Name of the work: Annual Repair and Maintenance of Residential and Non-Residential Buildings (Civil and Electrical work) at ESI Hospital Choudwar (Package-1)												
Wages - Supply of Labour												
S.No	Category of Worker	Wages per Day (B Area)	Monthly Salary	PF (13% of 15000 )	ESIC (3.25%)	Bonus 8.33% (Minimum) of 7000	Average Montly Expenditure	GST @ 18%	Total	Add CP & OH 15%	Total Montly Expenses	Average Daily Wages (All
1	Highly	862.00	22,412.00	1,950.00	-	583.10	24,945.10	4,490.12	29,435.22	4,415.28	33,850.50	1,302.00
2	Skilled	734.00	19,084.00	1,950.00	-	583.10	21,617.10	3,891.08	25,508.18	3,826.23	29,334.40	1,128.00
3	Semi Skilled	610.00	15,860.00	1,950.00	515.45	583.10	18,908.55	3,403.54	22,312.09	3,346.81	25,658.90	987.00
4	Un Skilled	522.00	13,572.00	1,950.00	441.09	583.10	16,546.19	2,978.31	19,524.50	2,928.68	22,453.18	864.00