



**REGIONAL OFFICE (MAHARASHTRA)
EMPLOYEES' STATE INSURANCE CORPORATION
(Ministry of Labour & Employment, Government of India)
Regional Office, Panchdeep Bhavan, N.M Joshi Marg,
Lower Parel, Mumbai-400013**

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<https://eprocure.gov.in/eprocure/app>

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**e - TENDER
FOR**

**“ANNUAL REPAIR & MAINTENANCE OF CIVIL WORKS OF SUB-REGIONAL
OFFICE AT MAROL, ANDHERI (E) MUMBAI”**

BID DOCUMENT

Issued by

(Regional Director)

INDEX

Sl. No	Subject	Annexure	Page No.
1	Notice Inviting e-Tender	A	03
2	Important Instructions to the Bidders regarding online payment	B	05
3	Eligibility Criteria for Bidders	C	08
4	Instructions to bidders	D	09
5	Scope of work	E	14
6	General conditions of contract	F	15
7	Particular conditions of contract	G	22
8	Additional Terms & Conditions for Civil Works	P	24
9	List of Preferred Make		26
10	Testing of Material		30
11	Contract Agreement	H	31
12	Form of Performance Security / Bank Guarantee Bond	I	33
13	Technical Bid Performa	J	35
14	Experience of Company	K	37
15	Undertaking	L	38
16	Consent letter from eligible associate agency of minor Component of work	M	39
17	Memorandum of Understanding (M.O.U) (to be submitted for each and every Minor component)	N	40
18	Guarantee Bond for Water proofing work	O	42
19	Bill of Quantities (Financial Bid)	Q	43-66



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Notice Inviting e-Tender

“ANNUAL REPAIR & MAINTENANCE OF CIVIL WORKS OF SUB-REGIONAL OFFICE AT MAROL, ANDHERI (E) MUMBAI”

Online **Percentage Rate Tender** under two stage system are invited from eligible contractors registered eligible to tender for works up to amount permitted by virtue of his enlistment limit with C.P.W.Ds /State P.W.Ds./M.E.S./Railways/BSNL Civil wing or any other government body as Civil Contractor for **ANNUAL REPAIR & MAINTENANCE OF CIVIL WORKS OF SUB-REGIONAL OFFICE AT MAROL, ANDHERI (E) MUMBAI**

Sl.	Item	Detail
1	Name of work	ANNUAL REPAIR & MAINTENANCE OF CIVIL WORKS OF SUB-REGIONAL OFFICE AT MAROL, ANDHERI (E) MUMBAI
2	Time for Completion	12 Months
3	Estimated Cost	Rs. 1,73,27,709/- (Rupees One Crore Seventy Three Lakh Twenty Seven Thousand Seven Hundred & Nine Only)
4	Earnest Money Deposit (EMD)	The amount of Earnest Money Deposit (EMD) of Rs. 3,46,554/- (Rupees Three Lakh Forty Six Thousand Five Hundred & Fifty Four Only) which shall be in the form of Banker's Cheque/Demand Draft of scheduled Bank issued / drawn in favour of 'ESI FUND ACCOUNT No.1', payable at Mumbai on or before 03.10.2019 till 04:00 PM.
5	Tender Document	The tender document may be downloaded from www.esic.nic.in/tenders , and https://eprocure.gov.in/eprocure/app from 12.09.2019 at 10:00 AM to 03.10.2019 till 04:00 PM.

6	Last Date of submission	Technical bid and finance bid must be submitted online at https://eprocure.gov.in/eprocure/app during period from 12.09.2019 at 10:00 AM to 03.10.2019 till 04:00 PM . Bid submitted through any other mode shall not be entertained.
7	Date of opening of tender:	The technical bids of tenders shall be opened in the presence of the tenderers who desire to be present on 04.10.2019 till 04:00 PM at 2nd Floor, RO Lower Parel, Mumbai. In case 04.10.2019 is declared a public holiday, tenders shall be opened as per above schedule on next working day. The date for opening of Financial Bid of those bids who are found Technically qualified shall be Communicated separately.

Regional Director
Employees' State Insurance Corporation

Instructions for Online Bid Submission

(Department User may attach this Document as an Annexure in their Tender Document which provides complete Instructions for on line Bid submission for Bidders)

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

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

REGISTRATION

- 1) Bidders are required to enrol on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “**Online bidder Enrolment**” 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.

7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

8) 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.

9) 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.

ELIGIBILITY CRITERIA FOR BIDDERS

S N	COMPONENT OF WORK	ESTIMATED COST (Rs.)	ELIGIBILITY
1.	ANNUAL REPAIR & MAINTNANCE OF CIVIL Works (Major Component)	Rs. 1,73,27,709/-	Registered contractors of C.P.W.Ds /State P.W.Ds./M.E.S./ Railways / BSNL Civil wing or any other government body as Civil Contractor eligible to tender for works up to amount permitted by virtue of his enlistment limit.

Rest Eligibility conditions as given below.

1. The bidder should have minimum three years' experience as on Last day of the month previous to the one in which tenders are invited in similar nature of works. (Similar nature of works means that the applicant should have completed the Annual Repair and Maintenance in Civil works or the minor structural repair, water supply, sanitary / plumbing, installation, drainage works, repair of road work & similar external services in Central Govt. offices/ State Govt. Offices / attached offices / statutory bodies / PSU departments).
2. Average Annual Financial turnover during the immediate last 3 consecutive financial years should be at least 30% of the value of work to be executed (copies of balance sheets signed by Chartered Accountant to be submitted online).
3. The applicant should have also successfully completed similar works in Central Govt. offices / State Govt. offices / attached offices / statutory bodies / PSU departments during the period of last seven years ending on Last day of the month previous to the one in which tenders are invited either of the following:
 - a) Three similar completed works costing not less than the amount equal to 40% of estimated cost put to tender i.e. **Rs. 69,31,084/- (each)**.
or
 - b) Two similar completed works costing not less than the amount equal to 60% of estimated cost put to tender i.e. **Rs. 1,03,96,625/- (each)**.
or
 - c) One similar completed works costing not less than the amount equal to 80% of estimated cost put to tender i.e. **Rs. 1,38,62,167/- (each)**.(Their completion certificate along with cost of the work, period and nature of work in the prescribed Performa of the concerned department duly signed by the competent authority should be furnished Online)
4. The Tenderer must have been registered in C.P.W.Ds/State P.W.Ds. /M.E.S./ Railways/BSNL Civil Wing or any other government body as Civil Contractor eligible to tender for works up to amount permitted by virtue of his enlistment limit.
5. The tenderers must have to submit a Self-certificate that they have not been indicated for any criminal, fraudulent or anti-competition activity and has not been blacklisted by any Govt. departments or otherwise.
6. All documents as stated in point no. 2.2 of Annexure – D must be submitted online in Technical Bid.

INSTRUCTIONS TO THE BIDDERS

1. Earnest Money Deposit:

- 1.1. The Earnest Money of **Rs. 3,46,554/- (Rupees Three Lakh Forty Six Thousand Five Hundred & Fifty Four Only)** in the form of Banker's Cheque/Demand Draft of scheduled Bank issued / drawn in favour of '**ESI FUND ACCOUNT No.1**', payable at Mumbai shall be dropped on or before **03.10.2019 till 04:00 PM** in the tender box placed at Construction Branch, ESI Corporation, Regional Office, Lower Parel, Mumbai. The bid received without submission of EMD will summarily be rejected.
- 1.2. EMD shall be placed in separate sealed cover by writing the **ANNUAL REPAIR & MAINTENANCE OF CIVIL WORKS OF SUB-REGIONAL OFFICE AT MAROL, ANDHERI (E) MUMBAI** on the envelope. If the Earnest Money is not found as per the prescribed manner, then Technical/Financial Bid shall not be opened.
- 1.3. EMD as above mentioned will be accepted in above manner shall accompany the bid.
- 1.4. EMD shall remain valid for a period of 90 days. A bid received without Bid Security (EMD) shall be rejected at the bid opening stage.
- 1.5. The earnest money shall be refunded to the unsuccessful tenderers after finalization of the contract.
- 1.6. No interest is payable on the EMD/SD.
- 1.7. The bid security (EMD) may be forfeited, if a bidder withdraws his bid during the specified period of bid validity, specified in the bid documents. In the case of successful bidder, if the bidder fails to submit the agreement bond along with Performance Guarantee within time specified in the Tender document after awarding of the contract, ESIC shall without prejudice to any other right or remedy available in Law, be at liberty to forfeit the earnest money absolutely.
- 1.8. Letter of authorization to attend bid opening.

2. Submission of bids: -

- 2.1. Each and every page of the tender documents should bear the stamp and signature of the person whose name registration exists, or he/she shall be authorized legally or any representative by clearly mentioning the name and stating that the person can sign the tender documents on his behalf. Format enclosed shall be filled without exception, specially Annexure 'L' of Undertaking.
- 2.2. The tenderer should take care to upload online all the information sought by the Employees State Insurance Corporation in prescribed formats. Also, the tenderer has to upload online the scan copy of following documents along with the technical bid: -
 - (a) **E.M.D. of Rs. 3,46,554/- (Rupees Three Lakh Forty Six Thousand Five Hundred & Fifty Four Only)**
 - (b) PAN Card

- (c) Clause by clause compliance demonstrating substantive responsiveness to the commercial condition by signing and stamping on all the pages of the original bid documents in online submission.
- (d) Certificate of Incorporation/ Shop & Establishment Registration Certificate of Firm/ Memorandum and Article of Association/ Partnership Deed/ Proprietorship Deed/ Declaration of proprietorship etc. as the case may be.
- (e) Balance sheet/ P & L Account of the firm for last three financial years **(i.e. for the year 2015-16, 2016-17 & 2017-18)**.
- (f) Income Tax Return of the Firm for last three financial years **(i.e. for the year 2015-16, 2016-17 & 2017-18)**.
- (g) GST Registration Certificate.
- (h) Annual turnover of works for immediate last 3 consecutive financial years **i.e. for the year 2015-16, 2016-17 & 2017-18, duly** certified by Chartered Accountant.
- (i) Satisfactory completion certificate of similar nature of work (as per sr. no. 3 of Annexure –C, i.e. eligibility condition)
- (j) Registration Certificate of the firm under ESIC.
- (k) Registration Certificate of the firm under EPFO.
- (l) Valid License/ Registration of the firm from C.P.W.Ds/ State P.W.Ds./M.E.S./Railways/BSNL Civil wing or any other government body as Civil contractor.
- (m) Registration certificate of the firm under the Contract Labour (Regulation & Abolition) Act 1970 & Contract Labour Central Rule (Regulation & Abolition) 1971 or undertaking for obtaining Labour Licence if qualified in financial Bid.
- (n) Professional Tax Registration Certificate.
- (o) A self-certificate that they have not been indicted for any criminal, fraudulent or anti-competition activity and has not been blacklisted by any Govt. departments or otherwise.
- (p) Complete Bank Details/ Cancelled Cheque

Technical bid shall be opened on the date as mentioned in NIT. The financial bid of the tender shall be opened only for the tenders, which qualify in the technical bid. The date for opening of Financial Bid will be Communicated Separately.

2.3 **Financial Bid:**

Financial bid must be submitted online only at <https://eprocure.gov.in/eprocure/app>. The financial bid of the tenderers, whose technical bid is found to be qualified, will be opened in the presence of the tenderers, who desire to attend the opening of financial bid.

3. EMD (as per Annexure- 'D'-1.1) may be dropped in the tender box on or before **03.10.2019 till 04:00 PM** placed at following address:

**Construction Branch
Regional Office
Employees State Insurance Corporation
Panchdeep Bhavan-108, N.M. Joshi Marg,
Lower Parel, Mumbai-400013**

4. The site for the work can be seen on any working days during office hours by contacting 'Branch Officer, Construction Branch, Employees' State Insurance Corporation, Panchdeep Bhavan-108, N.M. Joshi Marg, Lower Parel, Mumbai-13'. The tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting the tenders, the form and nature of site, the means of access to the site etc. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed.
5. Canvassing whether directly or indirectly, in connection with tenders strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
6. The work shall remain open for acceptance for a period of **90** days from the date of opening of tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance/Indent whichever is earlier or makes any modifications in the terms and conditions of the tender which are not acceptable by the ESIC and, shall be without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money.
7. **Rights of Acceptance/ Rejection:**
Regional Director, ESI Corporation, Maharashtra reserves the right to reject all or any tender in whole, or in part, without assigning any reason thereof. The competent authority on behalf of ESIC does not bind himself to accept the lowest or any other tender and reserves the right to reject any or all of the tenders without assigning any reasons thereof. All the tenders, in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.

8. **PERFORMANCE GUARANTEE:**

- 8.1 The successful contractor will be required to furnish an irrevocable **PERFORMANCE GUARANTEE** of 5% (Five percent) of the tendered amount in addition to other deposit

mentioned elsewhere in the contract for his proper performance of the contract (not withstanding and /or without prejudice to any other provisions in the contract) within 10 days from the date of issue of letter of acceptance of tender.

- 8.2 The guarantee shall be in the form of Demand Draft/ Banker's Cheque pledged to 'ESI Fund A/c No. 1' or Irrevocable bank Guarantee Bonds of any scheduled Bank or the State Bank of India in the format as per Annexure-'I'.
- 8.3 The Performance Guarantee shall be initially valid for a period up to **365** days beyond the Stipulated Contract Period. In case the Contract Period of work gets extended, the contractor shall get the validity of Performance Guarantee extended, at his own cost; to cover such extended time for Contract Period.
- 8.4 EMD shall be returned to the successful bidder after receiving Performance Guarantee from he/she/them and making Contract Agreement with him/her/them.
9. Letter of Acceptance of tender/Work Order shall be issued in the first instance to the successful tenderer with the decision/approval of the competent authority and letter for commencement of work awarded shall be issued only after the Performance Guarantee in the prescribed form is received from the successful tenderer/contractor. In case of failure of the contractor to furnish the Performance Guarantee within the specified period, the ESIC shall without prejudice to any other right or remedy available in Law, be at liberty to forfeit the earnest money absolutely.
10. **SECURITY DEPOSIT:** The contractor shall permit ESIC 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 bill value of the work. Such deductions will be made and held by ESIC by way of Security Deposit. Security Deposit would be released after satisfactory completion of defect liability period.
11. On acceptance of the tender, the name of the accredited representative(s) of the contractor, who would be responsible for taking instructions from the Engineer/Authority, shall be communicated in writing to the ESIC.
12. Central Sales Tax, Local Sales Tax, VAT, Purchase Tax, Turn over Tax, Service Tax, GST or any other tax, wherever applicable, inclusive of all cess and all duties in respect of the contract, must be payable by the contractor. The ESIC will not entertain any claim what so ever in respect of the same.
13. Rates quoted by Contractor/Tenderer shall be deemed to have inclusive of cost of manpower, material, machinery, tools, plants, Contractor's Overhead and Profit etc. & all taxes including GST, duties, levies, Cess, ESI, EPF, Insurance etc. No escalation of whatsoever nature shall be payable.
14. The tenderers shall produce their valid enlistment with the appropriate authority for all types of Taxes, GST, Cess, Duty, contribution etc.
15. Rates quoted by the Contractor/Tenderer shall also be inclusive of 1% (one percent) Cess on the work done as applicable on the Building & Other Construction Workers' Welfare Cess Act 1996 due to the introduction of "The Building & Other Construction Workers (Regulation of Employment & Conditions of Services) Act 1996".

16. Award of work:

- i The selection of the agency will be at the sole discretion of the Employees State Insurance Corporation, who reserves the right to accept one or to reject any or all the tenders without assigning any reasons thereof.
- ii The contract shall be awarded to the best qualified responsive tender.
- iii Upon evaluation of offers, the written notification for award of contract will be intimated to the successful tenderer to start the work.

Regional Director,
Employees' State Insurance Corporation

Sign & Seal of the Contractor:

Date:

Place:

SCOPE OF WORK

Details of Premises/buildings:

Sr. No.	Name and Address of Building	Nature of Facility
1	ANNUAL REPAIR & MAINTENANCE OF CIVIL WORKS OF SUB-REGIONAL OFFICE AT MAROL, ANDHERI (E) MUMBAI	REPAIR AND MAINTENANCE

Scope of Works/Services:

1. Day to day maintenance though Annual Repair & Maintenance as per Work Schedule & Techno-functional requirement of works at site.
2. Any other works as and when directed by the authorized person from ESIC other than mentioned above falling under the domain of Civil works.

GENERAL CONDITIONS OF CONTRACT

1 Definitions

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

- (i) **“Employer”** means the Employees' State Insurance Corporation and the legal successors in title to Employees' State Insurance Corporation.
- (ii) **“Engineer”** means the person appointed by Employees' State Insurance Corporation to act as an Engineer for the purpose of the Contract.
- (iii) **“Contractor”** means an individual or firms whether incorporated or not, that has entered into contract (with the employer) and shall include his/its heirs, legal representatives, successors and assignees. Changes in the constitution of the firm, if any, shall be immediately brought to the notice of the employer, in writing and approval shall be obtained for continue performance of the contract.
- (iv) **“Contract”** means the conditions, the Specifications, the Bill of Quantities, the Tender, the Letter of acceptance, the Contract Agreement (if completed) and such other documents as may be expressly incorporated in the Letter of Acceptance or Contract Agreement. (As per Annexure ‘H’)
- (v) **“Specification”** means the specification of the works included in the contract and any modification thereof. The items of works shall be executed in strict accordance of CPWD specifications.
- (vi) **“Drawings”** means all the completion drawings, calculations and technical information of a like nature provided by the Engineer to the Contractor under this contract and all drawings, calculations, samples, patterns, models, Repair/Repairs and Maintenance manuals and other technical information of a like nature submitted by the Contractor and approved by the Engineer.
- (vii) **“Bill of Quantities”** means the priced and completed bill of quantities forming part of the Tender.
- (viii) **“Tender”** means the Contractor's priced offer to the Employer for the execution and satisfactory completion of the works and the remedying of any defects therein in accordance with the provisions of the Contract, Specification as accepted by the Letter of Acceptance. The word Tender is synonymous with “Bid” and the words “Tender Documents” with “Bidding Documents”.
- (ix) **“Letter of Acceptance”** means the formal acceptance of the tender by Employees' State Insurance Corporation in writing.
- (x) **“Contract Agreement”** means the contract agreement (if any) referred to contract agreement as per Annexure ‘H’.
- (xi) **“Appendix to Tender”** means the appendix comprised in the form of Tender annexed to these Conditions.
- (xii) **“Commencement Date”** means the date from which the Contractor is directed by ESIC to start the works in writing.
- (xiii) **“Time for Completion”** means the time period for which the contract has been allowed to be completed by the employer to the contractor.
- (xiv) **“Taking Over Certificate”** means a certificate issued by employer evidencing successful and satisfactory completion of the awarded work as per contract agreement.
- (xv) **“Contract Price”** means the sum stated in the Letter of Acceptance as payable to the Contractor for the execution and completion of the Works and removing of any defects therein in accordance with the provisions of the Contract.
- (xvi) **“Extra Item Price”** Any items of works if it is not available in Bill of Quantities and

required to be executed in the interest of completion of work.

- (xvii) **“Substitute Item Price”** Any items of works required to be executed in the interest of completion of work and replace by the similar item available in Bill of Quantities.
- (xviii) **“Retention Money”** means the aggregate of amount retained by the Employer as Security Deposit.
- (xix) **“Works”** means the Permanent Works and the Temporary Works or either of them to be executed in accordance under the contract and contract specifications.
- (xx) **“Site”** means the places provided by the Employer to the Contractor.
- (xxi) **“Cost”** means all expenditure properly incurred or to be incurred, whether on or off the Site, including overhead and other charges but does not include any allowance for profit.

2. Engineer’s Duties and Authority

The Engineer shall carry out the duties as specified in the Contract.

3. Custody and Supply of Drawings and Documents

The Drawings shall remain in the sole custody of the Employer but copies as required thereof shall be provided to the Contractor for free solely for the purpose of this contract.

4. Sufficiency of Tender

The Contractor shall be deemed to have based his Tender on the data made available by the Employer and on his own inspection and examination of this site conditions. The acceptance of tender is deemed to have visited the site and made themselves conversant with the type of works incorporated in this tender.

5. Contractor's Employees

The Contractor shall provide qualified and experienced technical staff on the site of work in connection with the works and for remedy of any defects therein.

6. Engineer at Liberty to Object

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

7. Safety, Security and Protection of the Environment

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

- (i) Have full regard for the safety of all persons entitled to be upon the site and keep the site (so far as the same is under his control) and the Works (so far as the same are not completed or occupied by the Employer) in an orderly state appropriate to the avoidance of danger to such persons, and

(ii) Provide and maintain at his own cost all lights, guards, fencing, warning signs and watching, when and where necessary or required by the Engineer or by any duly constituted authority for the protection of the Works or for the safety and convenience of the public or others, and

(iii) Take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others, resulting from pollution, noise or other causes arising as a consequence of his methods of doing work activities under the contract.

(iv) All safety rules prescribed by the Government should be complied and shall be strictly observed to execute the work and safety of manpower deployed.

8. (A) Insurance of work by the Contractor for his liability:

(i) During the execution of the work any loss or damage to the property and life of his employee arising from a cause for which contractor is responsible.

(ii) For loss or damage occasioned by the Contractor in the course of any work carried out by him for the purpose of complying with his obligations.

(iii) It shall be the responsibility of contractor to notify the Insurance Company of any change in the nature and extent of the works and to ensure the adequacy of the Insurance cover at all times during the period of contract.

(B) Damage to Persons and Property

The Contractor shall, except if and so far as the Contract provides otherwise, indemnify the Employer against all losses and claims in respect of:

(a) Death or injury to any person, or

(b) Loss or damage to any property (other than the Works):

Which may arise out of or in consequence of the Annual Repair & Maintenance of the works and the remedying of any defects therein, and against all claims, proceedings, damages, costs, charges and expenses whatsoever in respect thereof.

9. Accident or injury to Workmen

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

10.1 Evidence and Terms of Insurance

The contractor shall take out appropriate insurance to cover his work, workers and staff employed by him fully. The contractor shall provide evidence to the Employer as soon as practicable after

the respective insurance have been taken out but, in any case, prior to the start of work at the Site that insurance required under the Contract have been affected.

10.2 Compliance with Statutes and Regulations:

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

(a) Any National or State Statute, Ordinance or other Law or any regulation or bye-law of any local or other duly constituted authority in relation to the execution and completion of the Works and the remedying of any defects therein, and

(b) The rules and regulations of all public bodies and companies whose property or rights are affected or may be affected in any way by the Works, and the Contractor shall keep the Employer indemnified against all penalties and liabilities of every kind for breach of any such provision.

(c) Any changes required for approval due to revision of the local laws.

(d) The Contractor shall abide by the provisions of the Minimum Wages Act, 1948 and Child Labour (Prohibition and Regulation) Act, 1986.

11. Default contractor in Compliance

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

12. Time for Completion

The time limit of work shall be as mentioned in the letter of commencement/Work Order and shall start from the date of issue of letter or as informed by through Letter/Work Order or as decided by Regional Director.

13. Extension of Time for Completion

The extension of the period for completion of work can only be granted on the valid and unavoidable grounds by the competent authority as per same terms and conditions of Contract and based on the requirements of Employer/Users.

14. Termination of Contract:

The employer reserves it's right to terminate the contract/works by giving 30 days' notice at any time during currency of the contract, if the services of the contractor are not found satisfactory as per the opinion of employer or his representative for which no claim or compensation shall be entertained by the Employer.

15. Defect Identification and its rectifications

Contractor shall immediately attend the defects and complaints after getting intimation at site. Defect Liability period shall be 12 months from the date of completion of work under Bill of Quantities for measurable works. The contractor shall rectify at his own expenses, any defect in the work carried out by him during this period. On failure of the contractor to do so, the same shall be executed by the Employer through other means as deemed fit, at the risk and cost of the contractor.

16. Compensation for Delay

If the Contractor fails to complete the work in time, then the Employer can impose liquidated damages on the contractor @ 1% per day maximum of 10 % of estimated cost.

17. Contractor's Failure to Carry out Instructions

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

18. Instruction for Variations

Quantities given in the Bill of Quantity may increase or decrease from the provision of contract quantity being estimated quantities. The quantity of any particular item may vary to any extent. Variation in quantity in particular items or overall cost, does not entitle contractor to claim for any extra rate then tendered.

19. Method of Measurement

The Engineer shall determine by measurement of the value of actual work done in accordance with the Contract and shall be paid proportionately. The works shall be measured net, notwithstanding any general or local custom, except where otherwise provided in the Contract. The method of measurements shall be followed as per the CPWD Norms / Specifications.

20 (A). Certificates and Payments

The contractor shall submit a bill in three copies by 7th day of every month for the work executed up to the date of previous month in the tabulated form. The bill must be supported with the following documents.

- a) Measurement of all the works executed.
- b) Abstract of the all parts of bill.
- c) Test Reports.
- d) Copy of certified attendance sheet of staff/workmen engaged with their copy of wages register, ESI, EPF Challan, Bank statement for salary compliance etc.

- e) A self-certificate by agency stating, 'They are adhering to all statutory laws including labour laws & minimum wages act.'
- f) Complaint registration form duly signed by complainant on satisfactory work completion

After receipt of the bills submitted by the contractor in the manner prescribed by the above duly supported by all the documents, the Engineer shall check the bills and certify the payments admissible to the contractor. The payment shall be released only after certification of the engineer for the works carried out at site.

20 (B). Timing of Payments: - Applicable when if submitted as per clause 20(A)

Amount which is due with respect to each interim payment shall be paid as follows: -

- i) 50% of the value of the ARM bills submitted along with all details and supporting documentation complete in all respects against the work executed and claimed in the submitted bills.
- ii) The balance amount due after checking of the bills by the Employer within 30 working days.

21.1 Deduction of Income tax

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

21.2 Labour Welfare Cess

Rate on the work done shall be deducted from each bill as per statutory requirements, as applicable.

22. Performance Guarantee:

Within **10** days of issue of letter of Work Order/Intent of Work/acceptance of tender, the Contractor shall submit a Performance Guarantee@ 5% of the Value of Contract amount for proper performance of the Contract in the form as specified in the contract. The Performance guarantee shall be initially valid for the duration of the contract period plus 365 days.

The performance security can be en-cashed by the Employer to recover any amount which is payable by the contractor to the Employer on any account for a cause arising out of the contract.

23. Correction of Certificates:

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

24. Final Certificates:

Within 90 days after receipt of the Final Statement, and the written discharge, the Engineer shall report to the employer (with a copy to the Contractor) with a Final Certificate stating:

- (a) The amount which, in the opinion of the Engineer, is finally due under the Contract, and

(b) After giving credit to the Employer for all amounts previously paid by the employer and for all sums to which the Employer is entitled under the contract.

25. Default of Contractor:

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

26. Amicable Settlement of Dispute:

The parties (the Employer and the Contractor) shall use their best efforts to settle amicably all disputes arising out of or in connection with this contract or the interpretation thereof.

27. Arbitration:

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

28.1. The Work under the contract shall continue, during the Arbitration proceedings.

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

29. Payment on Termination:

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

Regional Director
Employees' State Insurance Corporation

Sign and seal of Contractor:

Date:

Place:

Particular Conditions of Contract

- CPWD specifications shall be followed. Where not available, BIS/Engineering practice as directed by the Engineer shall be followed. The materials shall be got approved prior to its use for work from the Engineer-In-Charge of the ESIC.
- Formats of Performance Guarantee and Contract Agreement are at Annexure I and Annexure H respectively.
- As the work will have to be carried out in building and area in use, the contractor shall ensure:
 - a. All design/drawing work/s involved in this tender is/are in the scope of Contractor, which is/are to be submitted by them to ESIC with the vetting/certification of Government Engineering College/NIT/ IIT before execution of respective and allied work/s.
 - b. That the normal functioning of Employees' State Insurance Corporation activity shall not be affected as far as possible.
 - c. That the work will be carried out in an orderly manner without noise and obstruction to flow of traffic.
 - d. That all rubbish etc. will be disposed off at the earliest and the place will be left clean and orderly at the end of each day's work.
 - e. The work shall be carried out by the qualified worker for their part of work. He shall be responsible for their conduct. The staff shall behave in a courteous manner. The contractor shall be held responsible for any loss or damage to Employees' State Insurance Corporation property.
 - f. The contractor shall ensure safety of his workers and others at site of work and shall be responsible for any consequence arising out of execution of the Repair work.
 - g. When instructed to do so, the contractor shall ensure proper record keeping and storing of irreparable/dismantled material.
 - h. The contractor has to make his own arrangement for use of the same including extending temporary lines etc. The responsibility for following relevant rules, regulations and loss in the regard shall be entirely that of the contractor.
 - i. The contractor shall take proper care during dismantling operations to ensure that there is no danger/damage to any adjoining/existing structures and in case of any damage the contractor shall re-do the work/do the necessary repairs as per direction of the Engineer-in-Charge, for which no claim would be entertained by the department.
 - j. For any/s substituted items/deviations in quantities of BOQ items, Contractor has to intimate to ESIC and obtained prior approval from Competent Technical Authority before work execution.
 - k. The work shall be carried out in manner complying in all respects with the requirement of relevant byelaws of the local Municipal Corporation or the other local Govt. body whatsoever.
 - l. The contractor shall put necessary boards on display forbidding the residents/staff/ public from approaching the building under repair to avoid any accident.

- m. The contractor shall take all precautions to avoid all accidents by exhibiting necessary caution-boards. They shall be responsible for all damages and accidents caused due to negligence on their part.
- n. All incidental charges of any kind including cartage, storage, cutting, wastage and safe custody of materials etc. (not covered under any other condition) shall be borne exclusively by the contractor and nothing extra shall be payable to them on this account.
- o. All warning boards and displays, such as REPAIR WORK IN PROGRESS, KEEP AWAY FROM BUILDING, NO PARKING etc. along with sufficient supervisory staff on ground shall be provided by the contractor, wherever required. Nothing extra shall be payable on this account.
- p. Water and Electricity shall be arranged for his/her/their work at the site by the contractor at his own cost. Nothing extra shall be payable on this account.
- q. The site of work shall always be kept neat and clean due to constraints of working space in and around buildings. To avoid nuisance to the occupants/staff, all building rubbish unserviceable materials shall be periodically removed from the premises to the approved municipal grounds and all necessary permissions in this regard have to be obtained by the contractor from the Competent Authorities. Nothing extra shall be payable on this account.
- r. Since the work is to be carried out in the occupied buildings, proper sequencing as regards dismantling of sanitary pipes, GI pipes, toilets etc. shall be done so as to cause minimum inconvenience to the occupants besides taking care of the constraint of keeping the system functional during repairs by making temporary arrangements, as required. Nothing extra shall be payable on this account.
- s. The area of dismantling / guiniting / re-plastering / repairing as per relevant items etc. given in the tender may have to be got done in patches, at different heights / levels also for which nothing extra shall be payable.
- t. Lifting of materials such as cement, sand, wooden planks etc. through the building lifts is prohibited. No mixing or offloading etc. of mortar / cement concrete etc. over the open terrace / flooring shall be permitted. Arrangements as deemed it shall be made without making inconvenience to the occupants/staff/public, by the contractor for mixing/ lifting/offloading all materials etc. at no extra cost.
- u. The services of contractor may be utilized for Hospitals/Branch Offices/Dispensaries of RO Mumbai Region jurisdictions as and when required/directed by the Employer, on the same terms, conditions & rates as per this agreement.
- v. Minimum numbers of Technical Manpower as per CPWD norms shall be engaged by contractors to supervise the work.
- w. The Plumber/Carpenter/Mason under skilled worker will be called as per requirement of site.

Additional Terms and Conditions for Civil Works

GUARANTEE FOR WATER PROOFING TREATMENT

Five years guarantee in prescribed (attached) Performa attached must be given by the contractor for the water proofing treatment. In addition, 10 (ten percent) of the cost of these items would be retained as guarantee to watch the performance of the work executed. However, half of this amount (withheld) would be released after two monsoon seasons after the completion of the work if the performance of the water proofing work done is found satisfactory. If any defect is noticed during the guarantee period it should be rectified by the contractor within seven days and, if not attended to, the same shall be got done by other contractor/agency at the risk and cost of the contractor. In any case the guaranteeing firms during the guarantee period should inspect and examine the treatment once in every year and make good any defect observed. However, the security deposit can be released in full, if a Banker's Cheque/Demand Draft of scheduled Bank issued / drawn in favour of **ESI FUND ACCOUNT No.1**, payable at Mumbai for 5 (Five) year is produced and deposited with the department.

PRODUCT DELIVERY, STORAGE AND HANDLING: -

- a. The contractor shall construct storage space for chemicals and other materials to ensure that the storage conditions are as recommended by the manufactures.
- b. All the materials shall be procured and delivered in sealed containers with labels equable and intact.
- c. All the chemicals (polymers, rusti-cides, epoxy water proofing compound, etc.) shall be procured in convenient packs, say 20 litres (kgs.) capacity packing only or as approved by the Engineer-in-Charge, and not in bigger capacity containers, say 200 litre (Kgs.) drums.
- d. All required material for the ARM Work shall be got approved, procured and deposited with the departmental supervisory staff. The material will be kept in joint custody of the Contractor and the department. The watch and ward of such material shall however, remain to be the responsibility of the Contractor and no claim, whatsoever, on this account shall be entertained. Different containers of each chemical shall be serially numbered on packing and also consumed in that order. Day to day account of receipt, issue and balance will be regulated by the department and proper account shall be maintained at the site of work in the prescribed from as per standard practice.
- e. All the chemicals shall be procured by the contractor directly from the manufacturer or their authorized dealers and copies of challans / cash memos towards the quantity of various chemicals procured shall be made available by the contractor to the department and the same shall be kept in record. The name of manufacturers, manufacturer's product identification, manufacturer's mixing instructions, warning for handling and toxicity and date of manufacturing and shelf life shall be clearly and legibly mentioned on the labels of each container.

- f. The contractor shall submit for the chemicals procured, manufacturer's and /or authorized dealer's certificate regarding supplying and verifying conformance to the material specification, as specified.
- g. All filled containers shall be handled in safe manner and in a way to avoid breaking container seals.
- h. Empty containers of the chemicals should not be removed from site till the completion of work and shall be removed only with the written approval of the Engineer-in-Charge.
- i. All arrangement for measuring, dosing and mixing of material / chemicals at site has to be made by the contractor. Nothing extra shall be payable on this account.
- j. Contractor shall suitably advise his site Engineer and all the workers as regard safe handling of chemicals. Necessary protective and safety equipments in form of hand gloves, goggles etc. shall be provided by the contractor at no extra cost and also used at site.
- k. All incidental charges of any kind including cartage, storage, wastage and safe custody of material etc. shall be borne by the contractor and no claim, whatsoever, shall entertained on this account.

LIST OF PREFERED MAKE

No.	Materials	Approved Brands
1.	Cement (Grey)	Ambuja, Birla, ACC, Ultra Tech., Binani , J. P. Rewa, Vikram, Shri Cement, Birla J & K & cement Corporation of India.
2.	Steel	SAIL/ TISCO/Jindal Steel/ RINL or other primary producer of steel as approved by Ministry of Steel .
3.	Floor Tiles (Mosaic) ISI marked	Shyam Tiles, Super Tiles, Hind Mosaic, Vyaara Tiles
4.	Floor Tiles (Chequered) (ISI marked only)	Shyam Tiles, Super Tiles, Hind Mosaic, Vyaara Tiles
5.	C.P. Brass Bib Cock, Pillar Cock, Stop Cock etc. (ISI marked only)	Jaguar, Marc, Hindware, Parryware
6.	C.P. Brass Shower Rose 125 mm dia	Jaguar, Marc, Kohler, Grohe.
7.	C.P. Brass Towel rail	Jaguar, Marc, Hindware, Parryware, kohler, grohe.
8.	C.P. Brass Flush Valve (ISI Marked)	Jaguar Marc ,Hindware, Parryware Kohler, Grohe.
9.	C.P. Brass Waste Coupling	Jaguar, Marc, Kohler, Grohe .
10	Urinal Stalls (ISI Marked only)	Hindware, Neycer, Parryware, Cera
11	Squatting Pan (ISI Marked only)	Hindware, Neycer, Parryware, Cera
12	P.V.C. Flush Tank (ISI Marked only)	Hindware, Neycer, Parryware, Cera
13	Wash Basin (ISI Marked only)	Hindware, Neycer, Parryware, Cera
14	Water Closets (ISI Marked only)	Hindware, Neycer, Parryware, Cera
15	Kitchen Sink (Fire Clay) (ISI Marked only) (IS771)	Sunfire, Padmani, R.K.C.P, Prayag, Jayna, Neelkanth
16	Kitchen Sink (Stainless Steel)(ISI Marked only)	Nirali, Blue Star, Prayag, Jayna, Neelkanth
17	G.I. Pipes (ISI Marked only)	Asian, Tata, Jindal
18	PVC Tanks (ISI Marked only)	Sintex, Electroplasto, Plastoor Equivalent

19	C.I. Pipes (ISI Marked only)(IS:1536)	Truform Engineers, Neco,Kapilansh
20	D.I. Pipes	Electro Steel Castings Limited, Kapilansh
21	Flush Door Shutters (ISI Marked only)	Kutty, Kenwood,Swastik, Duro, Kitply, Century.
22	Aluminium Door Fittings (ISI Marked only)	Classic, Prestige, Shalimar or Equivalent
23	Oxidised M.S. door Fittings (ISI Marked only)	Ashish or equivalent
24	Black Enamelled M.S. Hinges (ISI Marked only)	Ashish or equivalent
25	Steel Door / Window Frames	AGEW, SenHarvik , Shiv Mular, Steel Plast
26	Mortice Lock (ISI Marked only)	Godrej, Harrison, Dorset
27	Steel Sectional Windows/ Ventilators	AGEW, SenHarvik , Shiv Mular, Steel Plast
28	Particle Board/ Plywood (ISI Marked only)	Kitboard, Anchor, Archid, Duro, National
29	Aluminium Extruded Body Diecast Door Closures (ISI Marked only) (IS :3564)	Hardywyn, Everite , or Equivalent
30	Stone Ware Pipes Grade-A (ISI Marked only)	Sonya, Supertech, Cherry
31	Centrifugally Cast Soil Pipes (ISI Marked only)	NECO, BIC, Kapilansh or Equivalent
32	C.I. Rain Water pipes (ISI Marked only)	NECO, BIC, Kapilansh or Equivalent
33	UPVC Rain Water Pipes (ISI Marked only)(IS :13592)	Astron Fittings (14375), Finolex Supreme, Prince
34	Steel Tubes for structural purposes (ISI Marked only) (IS: 1161)	TATA , Jindal, Surya or equivalent
35	Manhole Covers (ISI Marked only)(IS:1726)	Neco,Kapilansh or equivalent
36	Water Proofing Compound (ISI Marked only)	Fosroc, Pidilite, Sapseal,STP
37	Ceramic Floor Tiles	Kajaria, Somany, Orient-BellJhonson
38	Ceramic Wall Tiles	Kajaria, Somany, Orient-Bell,Jhonson
39	Putty (ISI Marked only) (IS:419)	J K , Birla Shalimar or equivalent
40	Anodized Aluminium Section (ISI Marked only)	Jindal, Indalco, Hindalco
41	Factory made concrete blocks	Sabar, Ved AMC ,JK,Eco green

42	White cement (ISI Marked only)	Birla White, J.K. White or equivalent
43	Glass sheet (Float / Plain) (ISI Marked only)	Modi Float, Saint Gobin, Asahi
44	PTMT Ball Cock (ISI Marked only)	PrayagJaquar, Kohler,Grohe or Equivalent
45	PTMT Accessories (ISI Marked only)	Prayag , Jaquar, Kohler,Grohe or Equivalent
46	G.I. Fittings	R. Brand, DRP,Zolto,ICs,Unik
47	Clamps for pipes	Chilly or Equivalent
48	Gate Valves (ISI Marked)	Zoloto , Leader,Sant
49	CPVC Pipes	Astral, Supreme, Kissan
50	External Premium Acrylic Paint	Apex Ultima of Asian Paints, Dulux Weather Shield Max of ICI Dulux
51	External Smooth Acrylic Paint	Apex of Asian Paints, Weather Shield of ICI Dulux
52	Acrylic Plaster	NITCO, Asian Paints
53	Interlocking Paver Blocks	Super, Duracrete, NITCO,Vyyara
54	Vitrified floor tiles	Kajaria, Somany, Orient-Bell, RAK.
55	Oil Bound Washable Distemper / Acrylic distemper	Asian paint / Berger/ Dulux/Nerolac
56	Cement Primer	Asian paint / Berger/ Dulux /Nerolac
57	Red Oxide Zinc Chromate primer	Asian paint / Berger/ Dulux /Nerolac
58	Plastic Emulsion Paint	Asian paint / Berger/ Dulux /Nerolac
59	Synthetic Enamel Paint	Asian paint / Berger/ Dulux /Nerolac
60	Pigment	Asian paint / Berger/ Dulux/ Nerolac
61	Plaster of Paris	Birla, JK or equivalent
62	Epoxy Paint	Asian Paint, Berger, Dulux/ Nerolac
63	Plastic Seat with lid	Parryware, Hindware, Seabird, Orient (Coral)
64	PVC Shutters & Frame	Rajashree,Plastiwood
65	PVC Rigid Pipes	Duke, Supreme, Prince,
66	RMC Plant	L & T, RMC, ACC, Ultratech, Godrej.

67	APP Sheet for water proofing treatment	Asian paint, Shalimar S.T.P.
68	Acrylic Polymer	Anuvi Chemical, SunandaSpe. Coating Pvt. Ltd, SKG Constn. Chemical Pvt. Ltd
69	Rusticide	Anuvi Chemical, SunandaSpe. Coating Pvt. Ltd, SKG Constn. Chemical Pvt. Ltd
70	Passivator	Anuvi Chemical, SunandaSpe. Coating Pvt. Ltd, SKG Constn. Chemical Pvt. Ltd
71	Water Proofing Compound	Fosrock, CICO, Pidillite, BASF, Laticrete, Ardex, Endira.

TESTING OF MATERIALS

The contractor shall procure all the materials in advance so that there is sufficient time for testing and approving of the material and clearance of the same before use in the work.

The contractor's rates for the items involving the use of materials shall be deemed to cover the cost of samples, the cost of packaging, sealing, transportation, loading, unloading etc. shall be borne by the contractor, testing charges shall be borne by the Department only when the samples satisfy the provisions specified & conform to the requirements of the relevant specifications. If the results show that the samples do not satisfy the relevant specifications, the testing charges shall be borne by the contractor.

In case of concrete and reinforced concrete work, the contractor shall be required to make arrangement for carrying out comprehensive strength tests at his own cost. He shall render all assistance for the preparation of cubes, safe custody of the same, proper curing and carriage up to the laboratory where the test is to be performed the cubes tests can be performed at any laboratory approved by the Engineer-In-Charge.

Testing of materials should be got done through the following Testing laboratories.

1. All Government Institutes having testing Laboratory facility.
2. Indian Institute of Technology, Powai, Navi Mumbai.
3. National Test House, Andheri, Mumbai.
4. National Institutes of Technology.
5. Central Government / State Government Research Centres.
6. Centrally or State Government funded Laboratories stands approved.
7. Laboratory as approved by the competent authority.
8. National Council for Cement and Building Materials, Ahmedabad, Gujarat.

Sign and Seal of Contractor:

Date:

Place:

Regional Director
Employees' State Insurance Corporation

CONTRACT AGREEMENT

This CONTRACT (hereinafter called the “Contract”) is made on the day of the month of _____ between Regional Director, Regional Office, Employees' State Insurance Corporation, Panchdeep Bhavan, 108, N.M Joshi Marg, Lower Parel, Mumbai – 400 013 on the one hand (hereinafter called the Employer) and on the other hand(hereinafter called the Contractor).

WHEREAS

The Employer has accepted the offer of the contractor to provide **“ANNUAL REPAIR & MAINTENANCE OF CIVIL WORKS OF SUB-REGIONAL OFFICE AT MAROL, ANDHERI (E) MUMBAI”**

AND WHEREAS the Contractor, having represented to the Employer that they have the required professional skills, personnel and technical resources, have agreed to provide the services and execute the works on the terms and conditions set forth in this Contract Agreement.

Now therefore the parties hereto/hereby agree as follows:

1.0 The following documents attached hereto shall be deemed to form an integral part of this contract:

1	Notice Inviting Tender	Annexure 'A'
2	Eligibility Criteria for Bidders	Annexure 'C'
3	Instruction to the bidders	Annexure 'D'
4	Scope of work	Annexure 'E'
5	General Conditions of Contract	Annexure 'F'
6	Particular Conditions of Contract	Annexure 'G'
7	Format of Contract Agreement	Annexure 'H'
8	Form of Performance Security Band Guarantee Bond	Annexure 'I'
9	Additional Terms & Conditions for Civil works	Annexure-'P'
10	Schedule of Work	Annexure-'Q'

2.0 The mutual rights and obligations of the Employer and the Contractor shall be as set forth in the contract in particular:

- a) The Contractor shall carry out the services in accordance with the provisions of the contract and,
- b) The Employer shall make payments to the contractor in accordance with the provisions of the contract.

In witness whereof, the parties hereto have caused this contract to be signed in their respective names as of the day and year first above written.

Signature and Seal of Contractor

Dated at _____

Regional Director,
Employees' State Insurance Corporation,
Panchadeep Bhavan, N.M. Joshi Marg,
Lower Parel, Mumbai-400013

FORM OF PERFORMANCE SECURITY BANK GUARANTEE BOND

In consideration of the Employees' State Insurance Corporation having agreed under the terms and conditions of the Agreement no. dated made between Employees' State Insurance Corporation and Second Party (here in called the said Contractor for the work hereinafter called the said agreement) to production of irrevocable bank guarantee for Rs. (Rs. only) as a Security/Guarantee from the Construction Agency for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We(hereinafter referred as to "The Bank" hereby) (indicate the name of the bank) Undertake to pay to the Employees' State Insurance Corporation an amount not exceeding Rs.(Rs. only IN WORDS) on demand by the Employees' State Insurance Corporation.

2. We do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, merely on a demand from the Employees' State Insurance Corporation stating that the amount claimed is required to meet the recoveries due or likely to be due from the Second Party. Any such demand made on the Bank shall be conclusive as regards the amount due and the payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.(Rs. only IN WORDS)

3. We, the said bank further undertake to pay to the Employees' State Insurance Corporation any money that is demanded notwithstanding any dispute or disputes raised by the Second Party in any suit or proceeding pending before any court or Tribunal relating thereto, a liability under this present being absolute and unequivocal.

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

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

5. We(indicate the name of Bank) further agree with the Employees' State Insurance Corporation that, the Employees' State Insurance Corporation shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employees' State Insurance Corporation against the said Second Party and to bear or enforce any of the terms and conditions relating to the said agreement and

we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor or for any forbearance, act of omission on the part of the Employees' State Insurance Corporation or any indulgence by the Employees' State Insurance Corporation to the said contracts or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

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

7. Welastly undertake not to revoke this guarantee except with the previous consent of the Employees' State Insurance Corporation in writing.

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

Dated Day of

For(indicate the name of Bank)

TECHNICAL BID PERFORMA**1. GENERAL INFORMATION**

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

2. STATUTORY AND OTHER REQUIREMENTS:

Particulars	<u>Registration Number</u>	<u>Copy Enclosed</u> (Yes/No)
Certificate of Incorporation/ Registration of Firm		
Registration details as Civil Contractor with C.P.W.D.s/ State P.W.D.s./M.E.S./ Railways/ BSNL Civil wing or any other government body (along with year of registration)		
Valid copy of ESI Registration		
Valid copy of EPF Registration		
GST Registration upto date file return.		
PAN No. under Income Tax		
Professional Tax Registration		
Labour (Central) Registration Certificate or Undertaking.		

3. DETAILS OF COMPLETED WORK AS PER SL. NO. 3 OF ANNEXURE - C:

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

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

Financial Year	Copy Enclosed (Yes/No)	Income (Rs.)	Expenditure (Rs.)	Net Profit/ Loss (Rs.)
2015-2016				
2016-2017				
2017-2018				

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

Financial Year	Income Tax Return Enclosed (Yes/No)
2015-2016	
2016-2017	
2017-2018	

Sign and Seal of Contractor:

Date:

Place:

EXPERIENCE OF COMPANY

Experience of similar nature of completed work as per eligibility conditions.

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

NOTE: -

Supporting authenticated documents, like completion certificates from the client in support of each of the above works/project to be furnished in original when asked for.

Sign and Seal of Contractor:

Date:

Place:

UNDERTAKING

1. I/we, the undersigned certify that I have gone through the terms and conditions mentioned in the tender document and undertake to comply with them.
2. The rates quoted by me are valid and binding upon me for the entire period of contract.
3. The earnest money of Rs. _____ to be deposited by me has been enclosed herewith vide demand Draft/ Banker Cheque no. _____ dated: _____ drawn on Bank _____ Branch _____.
4. I hereby undertake to provide the services as per directions given in the tender documents / order within stipulated period.
5. I/We give the rights to Regional Director, ESIC to forfeit the earnest money deposited by me/us if any delay occurs on my/agent's part of failed to provide the services within the scheduled time or service of desired quality.
6. This is to declare and certify that neither myself nor my firm has ever been blacklisted by any Govt./Semi Govt./Public/Private Institution.
7. I/We hereby certify that the firm possess all the required license/ certification to perform the work.

Sign and Seal of Contractor: _____

Full Name: _____

Designation: _____

Date: _____

Place: _____.

**CONSENT LETTER FROM ELIGIBLE ASSOCIATE AGENCY OF MINOR
COMPONENT OF WORK**

Name of work: - _____.

1. I / We hereby give my consent to associate with M/s, for executing the minor component of work of (Mention category).
2. I / We will execute the work as per specifications and conditions of the agreement and as per directions of the Engineer –in-Charge for the corresponding minor work till the completion of the work.
3. I / We will be responsible for necessary action to handover the installations and for rectification of defects and repair during the maintenance / warranty period.
4. Also, I / We will employ full time technically qualified Engineer / supervisor for the minor component of the work as required for the work. I / We will attend inspection of officers of the department as and when required.

Date:

Signature with date of Major component

Signature with date of Associate/ Minor Component

Contractor
Address

Contractor
Address

1. Witness with address
(From major component contractor side)

2. Witness with address
(From minor component contractor side)

MEMORANDUM OF UNDERSTANDING (M.O.U)
(to be submitted for each and every MINOR component)

1. M/s. (Name of the firm with full address)
Enlistment Status
Valid Upto:
(Henceforth called the main Contractor)
2. M/s. (Name of the firm with full address)
Enlistment Status
Valid Upto:
(Henceforth called Associated Contractor)

For the execution of Minor Work:

(Minor Component) as per schedule specifications, terms and conditions of the tender.

We state that M.O.U between us will be treated as an agreement and has legality as per Indian Contract Act (amended upto date) and the department (CPWD) can enforce all the terms and conditions of the agreement for execution of the above work. Both of us shall be responsible for the execution of work as per the agreement to the extent this MOU allows.

Both the parties shall be paid consequent to the execution as per agreement to the extent this MOU permits. In case of any dispute, either of us will go for mediation by the Engineer In-charge. Any of us may appeal against the mediation to the Regional Director, Regional Office, Mumbai. His decision shall be final and binding on both of us.

We have agreed as under:

1. The Associated Contractor will execute all Minor works in the wholesome manner as per terms and conditions of the agreement.
2. The Associated Contractor shall be liable for disciplinary action if he fails to discharge the action(s) and other legal action as per agreement.
3. All the machinery and equipments, tools and tackles required for execution of the Minor works, as per agreement, shall be the responsibility of the Associated Contractor.
4. The site staff required for the Minor work shall be arranged by the Associated Contractor as per terms and conditions of the agreement.
5. Site order book maintained for the said work shall be signed by the main contractor as well as by the Engineer of the Associated Contractor and by Associated Contractor himself.
6. All the correspondence regarding execution of the Minor work shall be done by the department with the Associated Contractor with a copy to the main contractor. In case of non-compliance of the provisions of agreement, the main contractor, as well as the associated

contractor shall be responsible. The action under clauses 2 and 3 shall be initiated and taken against the main contractor.

SIGNATURE OF MAIN CONTRACTOR SIGNATURE OF ASSOCIATED CONTRACTOR

Date:
Place:

Date
Place:

ANNEXURE- O

**GUARANTEE BOND TO BE EXECUTED BY THE CONTRACTOR
FOR REMOVAL OF DEFECTS AFTER COMPLETION IN RESPECT OF
WATER-PROOFING WORKS (All Water - Proofing Items).**

The agreement made this..... day of (Two Thousand _____ only)
..... betweenS/o(hereinafter called the
GUARANTOR of the one part) and the Regional Director_____ (hereinafter called
the Government of the other part)

WHEREAS THIS agreement is supplementary to a contract (Hereinafter called the Contract) dated
..... and made between the GUARANTOR OF THE ONE PARTAND the Government of the
other part whereby the contractor inter alia undertook to render the building and structures in the said
contract recited completely water and leak-proof.

AND WHEREAS THE GUARANTOR agreed to give a guarantee to the effect that the said
structures will remain water/leak proof for (5) five years from the date of completion of work.

NOW THE GUARANTOR hereby guarantees that work executed by him will render the structures
completely leak proof and the minimum life of such water proofing treatment shall be (5) five years to be
reckoned from the date after the expiry of maintenance period prescribed in the contract.

The decision of the Engineer-in-charge with regard to nature and cause of defect shall be final and
binding on Guarantor.

During this period of guarantee, the guarantor shall make good all defects and in case of any defect
being found render the building water proof to the satisfaction of the Engineer-In-Charge calling upon him
to rectify the defects failing which the work shall be got done by the Department by some other contractor
at the Guarantor's cost and risk. The decision of the Engineer-in-charge as to the cost payable by the
Guarantor shall be final and binding.

That if the guarantor fails to execute the water proofing or commits breach there under, then the
guarantor will indemnify the principal and his successor against all loss, damage, cost expense or otherwise
which may be incurred by him by reason of any default on the part of the GUARANTOR in performance
and observance of this supplementary agreement. As to the amount of loss and/or damage and / or cost
incurred by the Government, the decision of the Engineer-in-charge will be final and binding on both the
parties.

IN WITNESS WHEREOF these presents have been executed by the obligator.....and
..... by for and on behalf of the Regional
Director,_____ on the day, month and year first above written.

SIGNED, sealed and delivered by OBLIGATOR in the presence of :-

- 1.
- 2.

SIGNED FOR AND BEHALF OF THE REGIONAL DIRECTOR BYin
the presence of :-

..... in the presence of :-

- 1.
- 2.

Schedule of Work:

Name of Work : Annual Repair & Maintenance of Civil works at SRO Marol, Andheri (E)						
A. CIVIL WORK SCHEDULE						
S. No	DSR No.	Description of Item	Qty	Units	Rate	Amount
		DSR ITEMS				
	1.1	Carriage of materials By Mechanical Transport including loading, unloading and stacking (Lead 30Km)				
1	1.1.1	Lime, Murrum, Building rubbish	10.0	Cum	499.95	4,999.50
2	1.1.2	Earth	10.0	Cum	624.88	6,248.82
	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	5.0	Cum	310.03	1,550.13
	2.9	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m 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 soils as directed, within a lead of 50 m.				-
4	2.9.1	Ordinary rock	2.0	cum	550.69	1,101.37
	2.1	Excavating trenches of required width for pipes, cables etc				-
	2.10.1	All kinds of soil				-
5	2.10.1.2	Pipes cables tec. Exceeding 80mm dia but not exceeding 300mm dia	30.0	Mtr	447.53	13,425.87
	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.				
6	2.34.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%Supplying chemical emulsion in sealed containers including delivery as specified.	10.0	litre	246.80	2,468.04
	2.35	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion)				-
	2.35.3	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:				

7	2.35.3.1	With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	500.0	Sqm	279.00	1,39,499.52
	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				-
8	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	5.0	Cum	8341.83	41,709.16
9	4.1.6	1:3:6 (1 Cement : 3 coarse sand (zone-III): 6 graded stone aggregate 40 mm nominal size)	10.0	Cum	7527.94	75,279.36
10	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)				-
11		For Plinth protection	5.0	Cum	7114.26	35,571.30
	4.5	Providing and fixing up to floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc., including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand),cost of required Centering complete.				-
12	4.5.1	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	2.0	Cum	10491.19	20,982.37
	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level				-
13	5.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	5.0	Cum	8965.75	44,828.77
	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: Reinforced cement concrete work in walls (any thickness)				
14	5.2.2	1:1.5:3 (1 cement: 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	2.0	cum	11435.21	22,870.43
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for all heights				
15	5.9.3	Suspended floors, roofs, landings, balconies and access platform	25.0	Sqm	851.62	21,290.50
16	5.9.15	Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like	3.0	Sqm	350.02	1,050.07
17	5.9.19	Weather shade, Chajjas, corbels etc., including edges	3.0	Sqm	942.18	2,826.55
	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
18	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	300.0	kg	102.60	30,781.44

	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in :				
19	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	5.0	Cum	7566.27	37,831.37
	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 sizes in :				
20	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	10.0	Cum	9327.14	93,271.45
	6.12	Half brick masonry with common burnt clay F.P.S (non modular bricks) of class designation 7.5 in foundation and plinth in :				
21	6.12.2	Cement mortar 1:4 (1 cement: 4 coarse sand)	10.0	Sqm	950.78	9,507.84
	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.				
22	6.13.2	Cement mortar 1:4 (1 cement :4 coarse sand)	15.0	Sqm	1145.36	17,180.47
	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. complete at all levels.				
	8.2.1	Raj Nagar Plain white marble / Udaipur green marble / Zebra black marble				
23	8.2.1.2	Area of slab over 0.50 sqm	5.0	Sqm	3136.70	15,683.48
	8.2.2	Granite of any colour and shade				
24	8.2.2.2	Area of slab over 0.50 sqm	30.0	Sqm	4924.60	1,47,738.01
	8.9	Stone tile (polished) work for wall lining over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3 kg/sqm including pointing in white cement complete.				
	8.9.1	8mm thick				
25	8.9.1.2	Granite of any colour and shade	20.0	sqm	3596.51	71,930.27
	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).				
26	9.1.2	Sal wood	0.5	Cum	129426.06	64,713.03
	9.5	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for				

		separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately)				
	9.5.1	Second class teak wood				-
27	9.5.1.1	35 mm thick shutters	10.0	Sqm	4440.08	44,400.84
	9.10	Providing and fixing factory made laminated veneer lumber glazed shutter conforming to IS: 14616 and TADS 15:2001 (Part B), using 4 mm thick float glass panes for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, all as per directions of Engineer-in-charge.				-
28	9.10.1	30 mm thick shutters	20.0	sqm	3161.09	63,221.76
	9.11	Extra for providing heavy sheet float glass panes instead of ordinary float glass in glazed doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured)				-
29	9.11.1	5.5 mm thick instead of 4 mm thick	20.0	sqm	328.83	6,576.54
30	9.12	Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes 4 mm thick in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	20.0	sqm	263.02	5,260.49
	9.18	Providing and fixing Pre-laminated flat pressed 3 layer (medium density) particle board or graded wood particle board IS : 3087 marked, with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 marked, in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately).				-
31	9.18.1	18 mm thick	20.0	Sqm	1466.20	29,324.08
	9.20	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				-
32	9.20.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	20.0	Sqm	3387.00	67,740.06
	9.46	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete:				-
33	9.46.2	20 mm diameter	20.0	Mtr	458.53	9,170.53
	9.48	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				-
34	9.48.2	Fixed to openings/ wooden frames with rawl plugs screws etc	200.0	Kg	225.48	45,096.96
35	9.50	Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not less than 7.75 Kg per sqm to window frames etc. Including	30.0	sqm	1779.73	53,391.97

		62x19 mm beading of second-class teak wood and priming coat with approved steel primer all complete.				
	9.70	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :				-
36	9.70.2	100X58X1.90 mm	25.0	Each	91.67	2,291.71
37	9.70.4	50x37x1.50 mm	25.0	Each	39.63	990.72
	9.71	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. Complete :				-
38	9.71.2	100x60x2.50 mm	50.0	Each	94.99	4,749.31
39	9.71.3	75x50x2.50 mm	50.0	Each	76.92	3,846.14
40	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	10.0	Each	1233.10	12,331.01
	9.95	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete				-
41	9.95.1	125x75x4 mm	50.0	Each	167.85	8,392.70
42	9.95.4	100x63x4 mm	50.0	Each	117.53	5,876.74
43	9.95.6	75x63x4 mm	50.0	Each	94.74	4,737.02
	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:				-
44	9.96.1	300x16 mm	10.0	Each	315.99	3,159.86
45	9.96.2	250x16 mm	10.0	Each	284.71	2,847.13
	9.97	Providing and fixing aluminium tower 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 necessary screws etc. complete:				-
46	9.97.2	250x10 mm	30.0	Each	127.24	3,817.27
47	9.97.4	150x10 mm	25.0	Each	92.16	2,304.00
48	9.97.5	100x10 mm	15.0	Each	71.45	1,071.82
	9.100	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete:				-
49	9.100.2	100 mm	20.0	Each	64.94	1,298.84
50	9.100.3	75 mm	15.0	Each	56.40	846.03
	9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868)				-

		transparent or dyed to required colour and shade, with necessary screws etc. complete.				
51	9.101.1	Single rubber stopper	20.0	Each	41.72	834.36
52	9.101.2	Twin rubber stopper	15.0	Each	76.25	1,143.71
53	9.113	Providing and fixing bright finished 100 mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineer-in-charge.	5.0	Each	782.81	3,914.04
	9.117	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance ± 1 mm), with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1 mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer-in-charge				-
54	9.117.2	Extruded section profile size 42x50 mm	60.0	Mtr	328.64	19,718.55
	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 75 mm 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. panelling 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.				-
55	9.120.1	30 mm thick plain PVC door shutters	25.0	Sqm	2977.87	74,446.85
56	9.121	Providing and fixing Fiber Glass einforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single ebate of 32 mm x 15 mm to receive shutter of 30 mm thickness .The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2 mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.	40.0	metre	510.57	20,422.66
	9.122	Providing and fixing to existing door frames				-
57	9.122.1	30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP	20.0	Sqm	4257.85	85,157.07

		laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.				
58	9.129	Providing and fixing cup board shutters 25 mm thick, with Pre-laminated flat 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 IInd 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	20.0	Sqm	2370.23	47,404.65
	9.130	Providing and fixing cup board shutters with 25 mm thick veneered particle board IS : 3097 marked, exterior grade (Grade I), of approved make, including IInd class teak wood lipping of 25 mm wide x 12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of Engineer-in-Charge				
59	9.130.1	With decorative veneering on one side and commercial veneering on other side	15.0	sqm	2025.00	30,375.01
60	10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete	800.0	kg	105.74	84,590.59
61	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	100.0	kg	125.03	12,503.04
	10.6	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.				-
62	10.6.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	8.0	sqm	3617.71	28,941.68
	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.				-
63	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	300.0	Kgs	160.97	48,291.84
	11.20	Chequerred precast cement concrete tiles 22mm thick in footpath & out yard jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. complete on 20mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand)				-
64	11.20.3	Dark shade pigment using ordinary cement	20.0	Sqm	1140.33	22,806.53
	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of				-

		the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand)				
65	11.26.1	25 mm thick	20.0	Sqm	1882.34	37,646.75
66	11.27	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	100.0	Sqm	2224.19	2,22,418.94
67	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.	150.0	Sqm	1266.03	1,89,904.90
68	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 @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	50.0	Sqm	1138.97	56,948.74
	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 @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.				-
69	11.41.2	Size of Tile 600x600 mm	1450.0	Sqm	1843.88	26,73,619.97
70	11.53	Providing and fixing Glass mosaic tiles on finished plain wall surface of size 20 mm x 20 mm x 4 mm in all colour, design , fixing in approved design. The glass mosaic tiles shall be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. All completed as per direction of Engineer-incharge.	50.0	Sqm	3994.03	1,99,701.50
	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.				-
71	12.41.1	75 mm diameter	200.0	Mtr	247.11	49,422.34
72	12.41.2	110 mm diameter	200.0	Mtr	374.85	74,969.09
	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.				-
73	12.42.1.2	Coupler 110 mm dia	40.0	Each	144.75	5,790.11
74	12.42.3.2	Single tee with door - 110x110x110 mm	20.0	Each	249.82	4,996.30

75	12.42.5.2	Bend 87.5° - 110 mm bend	20.0	Each	159.56	3,191.19
76	12.42.6.2	Shoe (Plain) 110 mm Shoe	20.0	Each	139.84	2,796.75
	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.				-
77	12.43.1	75 mm	50.0	Each	356.54	17,826.82
78	12.43.2	110 mm	50.0	Each	354.88	17,743.87
	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 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :				
79	12.45.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095-(Part I) : 2011 (Board with BIS certification marks	1200.0	Sqm	990.66	11,88,790.27
		CEMENT PLASTER (IN FINE SAND)				-
	13.1	12 mm cement plaster:				-
80	13.1.1	1:4 (1 cement: 4 fine sand)	300.0	sqm	327.91	98,371.58
		CEMENT PLASTER (IN COARSE SAND)				-
	13.4	12 mm cement plaster of mix :				-

81	13.4.1	1:4 (1 cement: 4 coarse sand)	200.0	Sqm	339.33	67,866.62
	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				-
82	13.5.1	1:4 (1 cement : 4 coarse sand)	100.0	Sqm	391.93	39,192.58
83	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 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.	1250.0	Sqm	511.86	6,39,820.80
84	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	1500.0	Sqm	241.70	3,62,557.44
	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :				-
85	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cement primer	4000.0	sqm	188.56	7,54,237.44
	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :				
86	13.46.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	1250.0	Sqm	202.38	2,52,979.20
	13.62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
87	13.62.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	200.0	sqm	217.68	43,536.38
	13.63	Painting with aluminium paint of approved brand and manufacture to give an even shade				-
88	13.63.1	Two or more coats on new work	20.0	Sqm	137.93	2,758.66
	13.87	White washing with lime to give an even shade:				-
89	13.87.1	old work (two or more coats)	1000.0	Sqm	20.58	20,582.40
90	13.88	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. Complete	2000.0	sqm	17.45	34,897.92
	13.90	Distempering with 1st quality acrylic distember (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade				-
91	13.90.1	Old work (one or more coats)	500.0	Sqm	66.72	33,361.92
92	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.	1815.0	Sqm	22.43	40,702.46
	13.99	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				-
93	13.99.1	One or more coats on old work	500.0	Sqm	98.24	49,121.28

	13.111	Finishing walls with Acrylic Smooth exterior paint of required shade:				-
94	13.111	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	100.0	sqm	122.76	12,275.71
	14.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape,raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground,all complete as per directions of Engineer-In-Charge.				-
95	14.1.1	With cement mortar 1:4 (1 cement : 4 fine sand)	300.0	Sqm	513.39	1,54,017.79
	14.6	Renewing glass panes, with wooden fillets wherever necessary				-
96	14.6.1	Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm)	25.0	Sqm	1551.97	38,799.36
97	14.17	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or re-plastering, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.	750.0	sqm	63.53	47,646.72
98	14.12	Providing and fixing 16 mm M.S. Fan clamps of standard shape and size in existing R.C.C. slab, including cutting chase, anchoring clamp to reinforcement bar, including cleaning, refilling, making good the chase with matching concrete, plastering and paint	5.0	Each	522.36	2,611.81
99	14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineerin- charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.	3500.0	sqm	196.79	6,88,773.12
100	14.75A	Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes,duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder@ 0.5gm per litre capacity of tank, including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba, all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)	10000.0	Liters	0.43	4,300.80

101	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.	150.0	Each	95.42	14,312.45
102	14.77	Cleaning of choked sewer line by diesel running vehicle mounting hydraulic operated high pressure suction cum jetting sewer cleaning machine fitted with pump having 4000 litres suction capacity and 6000 litres water jetting tank capacity including skilled operator, supervising engineer etc. for cleaning and partial desilting of manholes and dechocking of sewer lines. Dechocking and flushing of sewer line from one manhole to another by high pressure jetting system of 2200 PSI for sewer line from 150mm dia upto 300mm dia for all depth.	500.0	Mtr	315.68	1,57,839.36
103	14.78	Cleaning of under ground sump, Over Head R.C.C. Tank (independent staging) including disposal of slit and rubbish,all as per direction of Engineer-in-Charge. The cleaning shall consist following operations:- (i) Tank shall be emptied of water by pumping & bottom shall be cleaned of slit and other deposits.(ii) Entire surface area of the sump shall then scrubbed thoroughly with wire brush etc. and pressure washed with water.(iii) Chlorination of RCC internal surface by liquid chlorine.(iv) The treated surface shall be dried using air jetting and all loose particles shall be removal from the surface.(v) Finally the surface shall be treated with ultraviolet radiation etc. as per direction of Engineer-in-Charge.	3000.0	Sqm	78.27	2,34,823.68
104	14.79	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in- charge.	2.0	Each	390.45	780.90
105	14.81	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	20.0	Each	270.83	5,416.55
106	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.	10.0	Each	117.96	1,179.65
107	14.83	Hacking of CC flooring including cleaning for surface etc. complete as per direction of the Engineer-in-Charge.	60.0	Sqm	3.07	184.32
108	14.84	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes within 50 metres lead as per direction of Engineer- in-Charge. (a) Internal Work - Exposed on wall	500.0	Mtr	3.32	1,658.88
109	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.	20.0	Each	366.00	7,319.96
110	15.3	Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge.	2.0	Cum	3114.64	6,229.28
	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.				-
111	15.7.4	In cement mortar	2.0	Cum	1806.21	3,612.43

	15.10	Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work manually/ by mechanical means including stacking of serviceable and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge :				
112	15.10.2	In cement mortar	21.0	Cum	2522.60	52,974.67
	15.13	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead:				-
113	15.13.1	Of area 3 sq. metres and below	30.0	Each	130.93	3,927.86
114	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.	600.0	kg	5.10	3,059.71
	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				-
115	15.23.2	For thickness of tiles above 25 mm and up to 40 mm	1500.0	Sqm	105.31	1,57,962.24
116	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	500.0	Sqm	47.92	23,961.60
	16.70	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.				
117	16.70.2	Made of G.I. wire of dia. 4 mm, PVC coated to achieve outer dia not less than 5 mm in required colour and shade	1235.0	sqm	1014.13	12,52,448.87
	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:				-
118	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	10.0	Each	6661.94	66,619.39
	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 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 :				-
119	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	5.0	Each	6464.66	32,323.28
	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:				-
120	17.7.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C. P. brass pillar taps	10.0	Each	3794.17	37,941.66

	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required					
	17.10.1	Kitchen sink with drain board					
121	17.10.1.4	510x1040 mm bowl depth 178 mm	2.0	Each	6368.50	12,737.00	
122	17.10.2.1	610x510 mm bowl depth 200 mm (without drain board)	2.0	Each	4462.45	8,924.90	
	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 :					
123	17.11.2	Size 600x450x200 mm	2.0	Each	6709.80	13,419.60	
	17.20	Providing and fixing white vitreous china squatting plate urinal with integral rim longitudinal flush pipe.					
124	17.20.1	White solid plastic seat with lid	30.0	Each	701.64	21,049.34	
	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including PVC. waste fittings complete.					
	17.28.2	Flexible pipe					
125	17.28.2.1	Flexible pipe - 32 mm dia	50.0	Each	124.23	6,211.58	
126	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.	5.0	Each	1576.61	7,883.06	
	17.35	Providing and fixing soil, waste and vent pipes :					
	17.35.1	100 mm dia					
127	17.35.1.2	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	15.0	mtr	1342.10	20,131.43	
	17.35.2	75 mm diameter :					
128	17.35.2.2	Centrifugally cast (spun) iron socketed pipe as per IS: 3989	15.0	mtr	1219.03	18,285.47	
	17.38	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.					
	17.38.1	100 mm dia					
129	17.38.1.2	Sand cast iron S&S as per IS - 3989	5.0	each	567.28	2,836.38	
	17.38.2	75 mm dia					
130	17.38.2.2	Sand cast iron S&S as per IS- 3989	5.0	each	472.78	2,363.90	
	17.39	Providing and fixing plain bend of required degree.					
	17.39.1	100 mm dia					

131	17.39.1.2	Sand cast iron S&S as per IS - 3989	5.0	each	480.15	2,400.77
	17.39.2	75 mm dia				-
132	17.39.2.2	Sand cast iron S&S as per IS- 3989	5.0	each	356.04	1,780.22
	17.41	Providing and fixing double equal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete :				-
	17.41.1	100x100x100x100 mm				-
133	17.41.1.2	Sand cast iron S&S as per IS - 3989	4.0	each	1084.72	4,338.89
	17.41.2	75x75x75x75 mm				-
134	17.41.2.2	Sand cast iron S&S as per IS - 3989	20.0	each	850.94	17,018.88
	17.43	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				-
	17.43.1	100x100x100x100 mm				-
135	17.43.1.2	Sand cast iron S&S as per IS - 3989	5.0	each	887.87	4,439.35
	17.43.2	75x75x75x75 mm				-
136	17.43.2.2	Sand cast iron S&S as per IS - 3989	5.0	each	675.04	3,375.21
	17.70	Providing and fixing PTMT Bottle Trap for Wash basin and sink.				-
137	17.70.2	Bottle trap 38 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 263 gms	6.0	Each	428.36	2,570.16
	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				-
138	18.7.1	15mm nominal outer dia pipes	30.0	Mtr	296.82	8,904.50
139	18.7.2	20mm nominal outer dia pipes	30.0	Mtr	377.18	11,315.40
140	18.7.3	25 mm nominal outer dia pipes	30.0	Mtr	453.67	13,610.19
141	18.7.5	40 mm nominal outer dia Pipes	30.0	Mtr	797.00	23,909.99
142	18.7.6	50 mm nominal outer dia Pipes	30.0	Mtr	1110.22	33,306.62
	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				-

143	18.8.2	20 mm nominal outer dia Pipes	20.0	Mtr	587.55	11,751.01
	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. - EXTERNAL WORK				-
144	18.9.7	62.50 mm nominal inner dia Pipes	20.0	Mtr	1907.47	38,149.32
145	18.9.8	75 mm nominal inner dia Pipes	20.0	Mtr	2415.64	48,312.73
146	18.9.9	100 mm nominal inner dia Pipes	200.0	Mtr	3415.51	6,83,102.21
	18.10	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. Internal work - Exposed on wall				-
147	18.10.1	15 mm dia nominal bore	30.0	Mtr	350.09	10,502.55
148	18.10.2	20 mm dia nominal bore	25.0	Mtr	422.83	10,570.75
149	18.10.3	25 mm dia nominal bore	25.0	Mtr	538.21	13,455.36
150	18.10.4	32 mm dia nominal bore	25.0	Mtr	650.90	16,272.38
151	18.10.5	40 mm dia nominal bore	25.0	Mtr	785.94	19,648.51
152	18.10.6	50 mm dia nominal bore	100.0	Mtr	966.76	96,675.84
	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work				-
153	18.12.3	25 mm dia nominal bore	20.0	Mtr	447.96	8,959.18
154	18.12.4	32 mm dia nominal bore	20.0	Mtr	521.87	10,437.43
155	18.12.5	40 mm dia nominal bore	20.0	Mtr	593.69	11,873.89
156	18.12.6	50 mm dia nominal bore	20.0	Mtr	694.58	13,891.58
157	18.12.7	65 mm dia nominal bore	20.0	Mtr	879.82	17,596.42
158	18.12.8	80 mm dia nominal bore	10.0	Mtr	1064.63	10,646.32
	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				-
159	18.17.4	50 mm nominal bore	4.0	Each	1068.07	4,272.29
	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete:				-
160	18.18.3	25 mm nominal bore	5.0	Each	484.15	2,420.74
	18.19	Providing and fixing gun metal non- return valve of approved quality (screwed end)				-
	18.19.4	50 mm nominal bore				-

161	18.19.4.1	Horizontal	2.0	each	1405.81	2,811.62
162	18.19.4.2	Vertical	2.0	each	1537.35	3,074.70
	18.47	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required:				-
163	18.47.3	25 mm nominal bore	5.0	Each	886.70	4,433.51
164	18.47.4	32 mm nominal bore	5.0	Each	940.95	4,704.77
165	18.47.5	40 mm nominal bore	5.0	Each	1024.76	5,123.79
166	18.47.6	50 mm nominal bore	5.0	Each	1374.17	6,870.84
167	18.47.7	65 mm nominal bore	5.0	Each	1793.43	8,967.17
168	18.47.8	80 mm nominal bore	5.0	Each	1890.39	9,451.93
	19.1	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:				-
169	19.1.2	150 mm diameter	100.0	Mtr	614.65	61,464.58
170	19.1.4	250 mm diameter	50.0	Mtr	1442.24	72,112.13
	19.9	Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand), inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel 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, all complete as per standard design :				-
	19.9.1	0.91 m deep with SFRC cover and frame (heavy duty, HD- 20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) :				-
171	19.9.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.0	each	13563.62	27,127.23
	19.10	Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91 m to 1.67 m				-
172	19.10.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3.0	metre	7923.79	23,771.38
	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality				-

	19.19.1	L D- 2.5				-
173	19.19.1.2	Square shape 450 mm internal dimensions	20.0	each	1262.28	25,245.70
	19.2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design:				-
174	19.2.2	150 mm diameter S.W.Pipes	100.0	Mtr	1227.76	1,22,775.55
175	19.2.4	250 mm diameter S.W.Pipes	50.0	Mtr	1655.13	82,756.61
	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:				-
	19.4.3	180x150 mm size P type				-
176	19.4.3.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	5.0	Each	2960.92	14,804.58
	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:				-
177	19.5.2	150 mm diameter 19.1.3	100.0	Mtr	86.26	8,626.18
178	19.5.4	250 mm diameter 19.1.3	50.0	Mtr	97.26	4,862.98
	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone- III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4graded stone aggregate 20 mm nominal size) finished with a floatingcoat of neat cement complete as per standard design				-
	19.7.2	Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) :				-
179	19.7.2.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.0	Each	28188.24	56,376.48
	19.8	Extra for depth for manholes				-
	19.8.2	Size 120x90 cm				-
180	19.8.2.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.0	Mtr	11052.56	22,105.13
	19.18	Supplying and fixing C.I. cover without frame for manholes :				-

181	19.18.3	560 mm diameter C.I. cover (heavy duty) the weight of the cover to be not less than 108 kg	2.0	Each	8383.37	16,766.73
	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately)				-
	21.1.1	For fixed portion				-
182	21.1.1.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	20.0	Kg	520.95	10,419.00
	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).				-
183	21.1.2.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	20.0	Kg	630.87	12,617.32
	21.2	Providing and fixing 12 mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-Charge.				-
184	21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	20.0	Sqm	1225.97	24,519.48
	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):				-
185	21.3.2	With float glass panes of 5.50 mm thickness	10.0	Sqm	1593.02	15,930.16
	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.				-
186	21.4.1	With stainless steel cover plate minimum 1.25 mm thickness	4.0	each	2964.48	11,857.92
	21.7	Providing and fixing machine moulded aluminium covering of approved pattern & design, made out of machine cut aluminium sheet and machine holed for receiving dash fastener, over expansion joints on vertical				-

		surfaces/ceiling floors, the fixing on plate in one row on one side of joint only shall be done with stainless steel dash fasteners of 8 mm dia and 75 mm long bolt including providing aluminium washers 2 mm thick & 15 mm dia , at a staggered pitch of 200mm centre to centre including drilling holes in the receiving surface and providing expandable plastic sleeves in holes etc. complete as per direction of Engineer-in-charge.				
187	21.7.1	Anodised aluminium sheet 2.5mm thick (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	100.0	kg	715.22	71,522.30
	21.8	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.				-
188	21.8.1	Upto 5mm depth and 5 mm width	500.0	Mtr	97.63	48,814.08
189	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 water proofing 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	200.0	Sqm	572.13	1,14,425.86
	26.28	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				
190	26.28.2	50mm average thickness	20.0	sqm	239.12	4,782.49
	26.29	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.				-
191	26.29.1	Bars upto 12 mm diameter	50.0	metre	7.25	362.50
192	26.29.2	Bars above 12 mm diameter	50.0	metre	14.50	724.99
	26.31	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.				
193	26.31.2	Epoxy bonding adhesive having coverage 2.20 sqm/kg of approved make	150.0	Sqm	477.39	71,608.32
	26.34	Providing and laying SBR Polymer modified (of approved make @ minimum 2% by wt. of cement used) plain/reinforced concrete jacket for the structural members e.g. columns, pillars, piers, beams etc with concrete having the specified minimum characteristic compressive strength [with				

		ordinary portland cement, coarse sand and graded stone aggregate of 10mm maximum size in proportion as per design criteria] with specified average thickness all-round existing core of RCC member. Note: Rates shall be for finished surface area of concrete and shall include the cost of making holes in existing RCC slab, if required, for pouring concrete in shuttering mould of jacket and appropriate approved Super-Plasticiser for rendering concrete as flowable self compacting and SBR polymer but shall exclude cost of reinforcement, bond coat, Shear Keys, centering and shuttering, strutting, propping etc (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)				
194	26.34.1	50mm thick in Grade M 25 with cement content not less than 330 kg per cum	100.0	sqm	663.43	66,342.91
195	26.34.2	75mm thick in Grade M 25 with cement content not less than 330 kg per cum	50.0	sqm	995.08	49,754.11
		SUPPLY OF MATERIALS				-
196	1366	CI Grating 150x150mm	10.0	Each	66.87	668.71
197	1927	Supply of brass way valve with C.I. wheel of approved quality (screwed end) 25mm dia:	8.0	Each	430.08	3,440.64
198	1928	Supply of brass way valve with C.I. wheel of approved quality (screwed end) 32 mm dia:	8.0	Each	503.81	4,030.46
199	1929	Supply of brass way valve with C.I. wheel of approved quality (screwed end) 40 mm dia:	8.0	Each	589.82	4,718.59
200	1930	Supply of brass way valve with C.I. wheel of approved quality (screwed end) 50 mm dia:	5.0	Each	761.86	3,809.28
201	1931	Supply of brass way valve with C.I. wheel of approved quality (screwed end) 65 mm dia:	3.0	Each	1327.10	3,981.31
202	1932	Supply of brass way valve with C.I. wheel of approved quality (screwed end) 80 mm dia:	2.0	Each	1990.66	3,981.31
203	7257	Supply of CP Brass bib cock 15mm dia	10.0	Each	356.35	3,563.52
204	7259	Supply of CP Brass long body bib cock 15mm dia	15.0	Each	473.09	7,096.32
205	7260	Supply of CP Brass stop cock 15mm dia	10.0	Each	528.38	5,283.84
206	7261	Supply of C.P. Brass angle valve 15 mm	25.0	Each	460.80	11,520.00
	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				-
207	18.17.1A	20mm	5.0	Each	565.49	2,827.47
208	18.17.1	25mm nominal bore	5.0	Each	610.90	3,054.49
209	18.17.2	32mm nominal bore	5.0	Each	714.24	3,571.20

210	18.17.3	40mm nominal bore	5.0	Each	833.62	4,168.09
211	18.17.4	50mm nominal bore	5.0	Each	1068.07	5,340.36
212	18.17.5	65mm nominal bore	5.0	Each	1828.58	9,142.89
		Supplying and fixing of GI Tee				-
213	MR	15mm dia	12.0	Each	27.30	327.60
214	MR	20mm dia	12.0	Each	33.05	396.60
215	MR	25mm dia	12.0	Each	77.15	925.80
216	MR	32mm dia	10.0	Each	93.45	934.50
217	MR	40mm dia	10.0	Each	104.45	1,044.50
218	MR	50mm dia	10.0	Each	132.50	1,325.00
		Supplying and fixing GI Bend				-
219	MR	15mm	10.0	Each	13.10	131.00
220	MR	20mm	10.0	Each	22.05	220.50
221	MR	25mm	10.0	Each	49.35	493.50
222	MR	32mm	10.0	Each	66.15	661.50
223	MR	40mm dia	10.0	Each	82.40	824.00
224	MR	50mm dia	10.0	Each	95.00	950.00
		Supplying and fixing GI elbow				-
225	MR	15mm dia	20.0	Each	15.20	304.00
226	MR	20mm dia	20.0	Each	24.15	483.00
227	MR	25mm dia	20.0	Each	55.10	1,102.00
228	MR	32mm dia	10.0	Each	93.45	934.50
229	MR	40mm dia	10.0	Each	93.45	934.50
230	MR	50mm dia	10.0	Each	121.25	1,212.50
		Supplying and fixing reducer				-
231	MR	50x40mm dia	20.0	Each	88.20	1,764.00
232	MR	40x32mm dia	20.0	Each	66.15	1,323.00
233	MR	32x25mm dia	20.0	Each	49.35	987.00
234	MR	25x20mm dia	10.0	Each	27.30	273.00
		Supplying and fixing of hex nipple				-
235	MR	50 mm dia	10.0	Each	82.40	824.00

236	MR	40 mm dia	10.0	Each	66.15	661.50
237	MR	32 mm dia	24.0	Each	55.10	1,322.40
238	MR	25 mm dia	30.0	Each	41.45	1,243.50
239	MR	20 mm dia	50.0	Each	33.05	1,652.50
240	MR	15 mm dia	50.0	Each	22.05	1,102.50
241	MR	Cleaning of septic tanks, by pumping out/removal of the sludge and sewage with mechanically operated vacuum based septic tank cleaner including disposal of sludge far away from the SRO Marol by mechanical transportation using covered tanks without disturbing the public life etc. complete as per the direction of the Engineer-in-charge. 100 X Twice	200.0	Cum	1000.00	2,00,000.00
242	MR	Cleaning the storm water drain around the office campus by using necessary tools and plants as directed etc. complete.	500.0	Mtr	40.00	20,000.00
243	MR	Providing and fixing fly proof wire gauze mesh to windows using Saint-Gobian wire gauze With 2nd class teak wood beading around of 40x19 mm etc. complete as per the directions of Engineer-in-Charge	50.0	Sqm	1000.00	50,000.00
244	MR	Relaying Cuddapah slab for cupboard slabs and medai etc. including pointing with cement mortar 1:3 to the full depth of slab etc. complete.	10.0	Sqm	1300.00	13,000.00
245	MR	Supplying and fixing of Vertical blind of good quality as approved by Engineer incharge for Windows	20.0	Sqm	1500.00	30,000.00
246	MR	Supplying and providing PVC Lids for Water storage tanks	2.0	Each	200.00	400.00
	MR	Providing and erecting Structural sound and stable scaffolding of approved design on the external periphery of the building at all level and for all heights, its removal, disposal of the unserviceable materials as per local by Laws, etc. complete as directed by Engr- in Charge				-
247		In wooden Ballies /Bamboos - Single Scaffolding with	5500.0	Sqm	35.00	1,92,500.00
248	MR	Providing Horticulture works with the specification ; 1. Clearing the ground surface. 2.Fine dressing the ground. 3.Ternching the ground by 30 to 40 C, earth filling with good earth including transport charges 4. Uprooting the weeds and disposing of from the site 5. Supplying of manure and seldge at site and mixing the same in the ratio of 2 parts of earth to 1 part of manure an speeding thoroughly including necessary transporting charges and lift charges & planting hedges and shrubs including watering and maintaining for a period of 01 year or per plan	300.0	Sqm	800.00	2,40,000.00
249	MR	Supply, fitting , fixing and testing Sensor for Urinal. Jaguar Make - Catalogue No - PRS NO 073	40.0	each	7175.00	2,87,000.00
250	MR	Providing iron ladder 300 mm wide fabricated using G.I pipes 25 mm dia and 15 mm dia for steps at 300 mm spacing including painting etc. complete	42.0	rmt	900.00	37,800.00
251	MR	Supplying fixing pillar cock auto closing system PRS-031	40.0	each	1775.00	71,000.00
252	MR	Removing & cleaning the existing surface (old tarfelt, APP sheet, Bitumen paint, etc.) by grinding with grinding machine and cleaning by brooming & finally cleaning dust by air blower, all the removed debris like tarfelt,	1162.0	Sqm	112.95	1,31,247.90

		APP sheet and waste materials are disposed to the nearby municipal corporation dumping ground, All complete as per direction of engineer in charge.				
253	(W.RLY-2011)/10-5010/P-100	Providing & laying water-proof treatment on roof slabs by applying after preparation, cement slurry mixed with Tapecrete acrylic based polymer water proofing compound (having solid content 30% ± 2, pH >7) in a ratio of 2:1 (2 cement : 1 water proofing compound), followed by laying of fibre glass cloth; 2nd coat of cement slurry mixed with acrylic based polymer water proofing compound and a final coat of water proofing compound brush topping having water proofing compound, cement and c/sand @ 1:2:2 by weight. Complete job to be carried out as per specifications	1162.0	Sqm	567.00	6,58,854.00
		Cradite for salvage vaiue of following:				-
254		Iron/Steel	500.00	Kg	(30.00)	(15,000.00)
255		Plastic	150.00	Kg	(5.00)	(750.00)
256		Aluminum	300.00	kg	(50.00)	(15,000.00)
257		Brass	100.00	kg	(100.00)	(10,000.00)
258		Coppar	50.00	kg	(330.00)	(16,500.00)
259		Wood	2.00	lump-sum	(2,200.00)	(4,400.00)
			Total Amount (X)			1,63,18,364.69
		Labour charges for maintaining day to day maintenance works at Offices, Dispensaries and residential quarters and attending to repairs with the maintenance staff with all helpers, tools and plants as directed the Engineer-in-charge as below :				-
260		Plumber/Carpenter/Meson 26day x1	12.0	month	24256.00	2,91,072.00
261		Helper 26day x1	12.0	month	19952.00	2,39,424.00
262		Sewer man 26day x1	12.0	month	19952.00	2,39,424.00
263		Helper 26day x1	12.0	month	19952.00	2,39,424.00
			Total Amount (Y)			10,09,344.00
			Total Amount (X+Y)			17327708.69
			SAY			17327709

.....% above OR.....% Below on total estimated total value of work.

Contractor:

ESIC