



REGIONAL OFFICE (MAHARASHTRA)
EMPLOYEES' STATE INSURANCE CORPORATION
 (An ISO 9001:2008 Certified Organization,)
 108, Panchdeep Bhavan, N M Joshi Marg, Lower Parel, **Mumbai-400 013**
 Tel No. : 022-612 097 75 Fax: 022-249 21 701/612 09741

No. 31-W-20/13/Tender-16-17/Constn/16

Date:- 18/01/2018

NOTICE INVITING e-TENDER.

E-tenders in two bid systems through e-procurement solutions are invited from leading Civil Repair and Maintenance works Agencies for **Annual Repair & Maintenance of Civil works at ESIC Nagar Staff Quarters, D. N. Nagar Andheri (West), Mumbai & Staff Quarters and Office Goregaon Mumbai for One Year** as per the guidelines and terms & conditions given in tender document. Tender documents are available online from **02/02/2018** at <https://esictenders.eproc.in>. The approximate value of ARM-Civil Work is Rs **2,24,88,315/-**. Bidders have to deposit the Earnest Money Deposit (EMD) of **Rs.4,49,766/-** in the form of Demand Draft/Bankers Cheque drawn in favour of "ESI FUND A/c No. 1" payable at Mumbai.

Sr. No.	Name of Work	Estimated Cost (Rs.)	Earnest Money (Rs.)	Time allowed for completion of work
1)	Annual Repair & Maintenance of Civil works at:- 1. ESIC Nagar Staff Quarters, D. N. Nagar Andheri (West) Mumbai for the One year. 2. Staff Quarters & Office Goregaon (W) Mumbai for the One year.	2,24,88,315/	4,49,766/-	One Year

The interested tenderer should upload their technical & financial bids along with digitally signed scanned copies of all relevant certificates, documents, etc., in support of their technical bids on the e-tender portal <https://esictenders.eproc.in> . latest by **23/02/2018** up to **05:00 p.m.** The Technical Bids will be opened on **26/02/2018** at **03:00 p.m.**

Tender document is also available for downloading on the website of Employees' State Insurance Corporation i.e., www.esic.nic.in. & www.esicmaharashtra.gov.in

-sd-

Additional Commissioner

Important Instructions for Bidders

All bidders/contractors are required to procure Class-IIIB Digital Signature Certificate (DSC) with Both DSC Components i.e. Signing & Encryption to participate in the E-Tenders.

Bidder should get Registered at <https://esictenders.eproc.in>.

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

Bidders should add below mentioned sites under Internet Explorer-Tools-Internet Options-Security-Trusted Sites-Sites of Internet Explorer:

<https://esictenders.eproc.in>

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

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

Also, Bidders need to select “ Use TLS 1.1 and Use TLS 1.2” under Internet Explorer-Tools-Internet Options-Advanced Tab-Security.

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

I)	SCOPE OF SERVICES
	Annual Repair & Maintenance of Civil works for One Year at:- (i) ESIC Nagar Staff Quarters, D.N. Nagar, Andheri (W) Mumbai. (ii) Staff Quarters and Office Goregaon (W) Mumbai.

II)	ELIGIBILITY CONDITIONS FOR BIDDERS
i)	The tenderer should have minimum three(03)years experience as on 31/12/2017 in the works of similar nature.
ii)	The tenderers should have successfully completed the following works in the last seven (07), years ending: last day of the month previous to the one in which applications are invited should either of the following:-
a)	One similar work of value not less than Rs.1,79,90,652/- (i.e 80% of the estimated cost put to tender)
	or
b)	Two similar work of value not less than Rs 1,34,92,989/- (i.e 60% of the estimated cost put to tender)
	or
c)	Three similar work of value not less than Rs 89,95,326/- (i.e 40% of the estimated cost put to tender)(similar works means ARM of Civil works in Govt/Semi-Govt organization.)
iii)	The tenderer should have minimum in house manpower to cover the requirement of formats III(A)
iv)	The contractor must have been registered in Central/State Govt./Engg. PSU or any Government body in appropriate category and class
v)	GST Registration Certificate
vi)	PAN Card
vii)	Should have Registration under ESI & EPFO
viii)	Bidder should have valid license to carry out Civil works
ix)	The firm will have to provide a certificate that they have not been indicted by any criminal, fraudulent or anti-competition activity.
x)	Firm Should not be blacklisted by any Govt. Department.
xi)	Average annual financial turnover during the last 3 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)
xii)	The successful tenderer would be required to establish its office within the site of the work in the space provided by the ESIC.

III	EARNEST MONEY DEPOSIT (E.M.D)
a)	The amount of Earnest Money Deposit (E.M.D.) of Rs.4,49,766/- (Rupees Four Lakh Forty Nine Thousand Seven Hundred and Sixty Six Only) in the form of Demand Draft/Bankers Cheque drawn in favour of “ESI FUND A/c No. 1” payable at Mumbai. Should be kept in envelope mentioning Company name and shall be dropped on or before 23/02/2018 upto 05:00 p.m. in the Tender Box placed at ESIC, Regional Office, Panchdeep Bhawan, N M Joshi Marg, Lower Parel Mumbai-13. The Bids received without submission of DD of EMD will summarily be rejected.
b)	Unsuccessful bidder's EMD will be returned without any interest within 30 days after finalization of award/contract from the date of opening of the Tender.
c)	The Successful bidder's EMD will be discharged upon the bidder signing the contract and furnishing the performance security.

IV	SUBMISSION OF BIDS
b)	The Technical Bid and Financial Bid Should be submitted on-line
c)	The Technical Bid should be submitted along with scanned copies of the following: 1) Income-Tax Returns for three Financial Years, i.e 2014-15, 2015-16 & 2016-17 2) Scanned copy of Demand Draft of EMD 3) Proof of Registration of ESIC, EPFO 4) Proof of Registration of GST 5) Copy of Work Order from Government Department/Semi Govt./Govt. Undertakings. 6) Copy of Valid License to Carry Civil Work. 7) Copy of PAN Card

V	EVALUATION OF TECHNICAL BIDS:															
	Bids received will be evaluated by the ESIC to ascertain the technical qualification on the basis of information and documents submitted on-line by the bidders.															
	<table border="1"> <thead> <tr> <th>Activity</th> <th>Start</th> <th>Expiry</th> </tr> </thead> <tbody> <tr> <td>Tender Release</td> <td>02/02/2018</td> <td>23/02/2018</td> </tr> <tr> <td>Tender Download</td> <td>02/02/2018</td> <td>23/02/2018</td> </tr> <tr> <td>Technical Bid Submission.</td> <td>02/02/2018</td> <td>23/02/2018</td> </tr> <tr> <td>Technical Bid Opening</td> <td colspan="2">26/02/2018</td> </tr> </tbody> </table>	Activity	Start	Expiry	Tender Release	02/02/2018	23/02/2018	Tender Download	02/02/2018	23/02/2018	Technical Bid Submission.	02/02/2018	23/02/2018	Technical Bid Opening	26/02/2018	
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VI	FINANCIAL BID:															
	The Financial Bid of the Bidders, who are found to be eligible will be evaluated by the ESIC Regional Office, Lower Parel, Mumbai-13.															
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VII	AWARD OF WORK
a)	The selection of the agency will be at the sole discretion of the ESIC who reserves its right to accept or reject any or all the proposals without assigning any reason.
b)	The contract for the Annual Repairs & Maintenance shall be awarded to the best qualified responsive Bidder
c)	Upon evaluation of Offers, the Notification of contract will be intimated to the successful Bidder

VIII	TERMS AND CONDITIONS OF THE TENDER
1	The Contract shall initially be a for a period of One Year and may be further extended for a period upto one year subject to satisfactory performance on the same terms and condition. The rates approved shall remain unchanged during the period of contract. The contract can be terminated by giving one month notice by either party in writing.
2	The amount of earnest money deposit (EMD) shall be Rs.4,49,766/- (Rupees Four Lakh Forty Nine Thousand Seven Hundred and Sixty Six Only) in the form of Demand Draft/Bankers Cheque drawn in favour of “ESI FUND A/c No. 1” payable at Mumbai.
3	A Sealed envelope containing the Demand draft of E.M.D. shall be dropped in the Tender box kept at Reception Area, Ground Floor at ESIC R.O. Mumbai, Tender form shall be complete in all respect. Tenders will not be considered for further process without E. M. D.
4	Last date of submission of tender is 23/02/2018 by 05:00 p.m.
5	Date and time of opening of tender is 26/02/2018 at 03:00 p.m.
6	Before uploading tender documents it should bear the stamp and signature of the authorized representative. Format I, II, III enclosed shall be filled without exception. The tenderer shall also enclose the latest Income Tax Clearance Certificate and proof of GST/ Works Contract Tax where applicable.
7	The rates for each and every item shall be quoted in Figure and words. In case of any discrepancy in rates, the rates written in words shall prevail.
8	The site for the said work is available and can be seen on any working day during office hours by contacting care taker.(Mr. Shyam Shinde Contact No. 26304130)
9	The Competent Authority, reserves the right to accept or reject any tender or all tenders without assigning any reason.
10	Conditional Tenders are liable to be rejected.
11	The tender for the work shall remain open for acceptance for a period of 90 days from the date of opening of tender.
12	These instructions shall form a part of the contract document.
13	The EMD of unsuccessful Tenderers shall be refunded within one month after the award of work to the successful Tenderer. EMD of successful Tenderer shall be refunded along with the settlement of final bill of work on written request of the Tenderer.
14	Rates quoted shall be firm and fixed and are inclusive of cost of manpower, material, machinery, tools and plant etc., all taxes (including all applicable taxes/GST tax), duties and levies, insurance etc. no escalation of whatsoever nature shall be payable.

TECHNICAL BID (PART A)
BRIEF DESCRIPTION OF THE FIRM

(With an outline of the experience of the firm for similar works during last three years)

- a) Name of the firm.
- b) Year of registration
- c) Type of firm (Individual/Proprietary/Limited Company or any other)
- d) In house facilities available in following fields.

Sr. No.	Fields	Manpower with more than '03' years experience	Manpower with less than '03' years experience
01.	Original/Repair works(Civil)		

Note: - Provide documents in support of the details provided in above format, failing which the authenticity of the information may not be accepted.

1. Contractor License (A/B/C).
2. Registration Certificate.
3. Balance Sheet / Audited statement for last (03) three years.
4. Certificate of Incorporation/ Memorandum of Incorporation.
5. Copy of PAN
6. GST Registration Certificate.
7. P.F. & ESIC Code allotment letter.
8. ITR statement for last (03) three years.

EXPERIENCE OF COMPANY

(Experience of relevant and similar work of construction, pipe laying/annual Repair and Maintenance completed during last three years preceding March, 2017 and ongoing works) Use separate sheet for each work.

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 work/AMC cost	
6	Date of start of the work and the present status	
7	Any other details	

NOTE:

Supporting documents like certificates from the client in support of each of the above projects to be furnished as under.

1. Work Order from the Client.
2. Successful work completion certificate from the client.
3. Experience certificate.

TOTAL MANPOWER DEPLOYMENT SCHEDULE

A. The following manpower is to be deployed in daily shifts as mentioned against each

Sr. No.	Category	Nos.	Shift details	Remarks
1.	Sewer man	1	General Shift	
2.	Khallasi / Helper	1	General Shift	
4.	Plumber	1	General Shift	

Note:- Only licensed/certified electricians/ operators shall be deployed. Preferably the other skilled worker deployed shall also be licensed / certified. Other certificates of technical qualification also to be enclosed.

All the above staff of the contract shall wear uniform and badges identifying their category and name English and local language.

FINANCIAL BID (PART B)

Name of work: Annual Repair and Maintenance work of Civil works at ESIC Nagar Staff Quarters, D.N. Nagar, Andheri (W) & Staff Quarters and Office Goregaon, Mumbai for One year.

ABSTRACT OF COST

A. Supply and Services of Workers in shifts as per Schedule Format III A of Technical BID.

Sr.No.	Description of Items	Unit	Rate (In Figures & Words)	Amount (Rs.)
1.	As per Format III A of Technical Bid			

Note:-

- i) The Contractor shall maintain an inventory and use common miscellaneous sundry materials (screws, nails, washers, internal fittings of taps, valves, tanks etc. plumbing thread, safeda, clamps, hooks, cement, and patch repair. Insulation tape, fuse wire, grease, gland packing, CTC etc.) which are required for the work the cost of which is included in above item.
- ii) The above rates shall include the cost of any assistance of unskilled/ semi skilled persons required by the skilled workers. In case of absence of any of the above mentioned workers without providing suitable replacement, an amount of Rs. 300/- day shall be recovered as liquidated damages per person per day absence.

Supply of workers on call: The workers listed in format III B of technical Bid shall be available on call with

24 hours notice at the rates mentioned against each.

B. The following manpower shall be available on call with 24 hour notice.

Sr. No.	Category	Monthly expected deployment	Rate (In Figures & Words)	Amount	Remarks
As per BOQ					

Note: Payment Shall be made for the actual days of employment.

For Comparison purposes, the deployment shall be as per Format III B of technical Bid

C. BILL OF QUANTITIES- Measures items of works.

Sr. No.	Item of Work	Unit	Qty	Rate (In Figures & Words)	Amount
As per BOQ					

Note: payment shall be made for actual quantities executed at the contract rate.

D. Items of material supplied for use by labour in Format III of Technical BID

Sr. No.	Item of Supply	Unit	Qty	Rate	Amount
1	2	3	4	5	6
As per BOQ					

Note: Payment shall be made for actual quantities supplied at the contract rate.

Any item of work/supply not covered above shall be treated as a variation. The rates shall be worked out mutually based on CPWD norms. On failure to reach an Agreement, the Engineers decision shall be final and binding on both sides.

E. LUMP SUM ITEMS

Sr. No.	Item of Supply	Unit	Qty	Rate	Amount
1	2	3	4	5	6
As per BOQ					

GENERAL CONDITIONS OF CONTRACT Definitions and interpretation.

1. Definitions

- (a) 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 ESIC its legal successors.
 - ii. “Engineer” means the person appointed by ESIC to act as Engineer for the purposes of the Contract.
 - iii. “Contractor” means an individual or firms (proprietary or partnership) whether incorporated or not, that has entered into contract (with the employer) and shall include his/its heirs, legal representatives, successors and assigns. Changes in the constitution of the firm, if any shall be immediately notified to the employer, in writing and approval obtained for continued performance of the contract.
- (b) i) “Contract means these conditions, the Specification, the Bill of Quantities, the Tender, the Letter of acceptance, the Contract Agreement (if completed) and such further documents as may be expressly incorporated in the Letter of Acceptance or Contract Agreement (if completed).
- ii) “Specification” means the specification of the Works included in the Contract and any modification thereof.
 - iii) “Drawings” means all the completion drawings, calculations and technical information of a like nature provided by the Engineer to the Contractor under the Contract and all drawings, calculations, samples, patterns, models, Repair and Repair and Maintenance manuals and other technical information of a like nature submitted by the Contractor and approved by the Engineer.
 - iv) “Bill of Quantities” means the priced and completed bill of quantities forming part of Tender.
 - V) “Tender” means the Contractor’s priced offer to the Employer for the execution and completion of the Works and the remedying of any defects therein in accordance with the provisions of the Contract, as accepted by the Letter of Acceptance. The word Tender is synonymous with “Bid” and the words “Tender Document” with “Bidding Documents”
 - VI) “Letter of Acceptance” means the formal acceptance of the tender by ESIC.
 - VII) “Contract Agreement” means the contract agreement (if any) referred to in Sub-Clause 9.1
 - VIII) “Appendix to Tender” means the appendix comprised in the form of Tender-annexed to these Conditions.

- (c) i) “Commencement Date” means the date upon which the Contractor receives the notice to commence the works.
- ii) “Time for Completion” means the time period for which the contract of Repair and Maintenance has been awarded by the employer to the contractor.
- (d) “Taking Over Certificate” means a certificate issued by employer evidencing successful completion of the awarded work.
- (e) i) “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 the remedying of any defects therein in accordance with the provisions of the Contract.
- ii) “Retention Money” means the aggregate of all monies retained by the Employer.
- (f) i) “Works” means the Permanent Works and the Temporary Works or either of them to be executed in accordance with the contract.
- ii) “Site” means the places provided by the Employer for “ESIC Nagar Staff Quarters, D N Nagar, Andheri (West), Mumbai & Goregaon Staff Quarters.
- iii) “Cost” means all expenditure properly incurred or to be incurred, whether on or off the Site, including over head and other charges but does not include any allowance for profit.

ENGINEER

2. Engineer’s duties and authority

- (a) The Engineer shall carry out the duties specified in the Contract.

3. Custody and Supply of Drawings and Documents

The Drawings shall remain in the sole custody of the Employer/ Engineer, but copies as required thereof shall be provided to the Contractor 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.

5. Contractor’s Employees

The Contractor shall provide on the Site qualified and experienced technical staff in connection with the Repair and Maintenance of the Works and the remedying of any defects therein.

6. Engineer at Liberty to Object

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

7. Safety, Security and Protection of the Environment

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

- i) Have full regard for the safety of all persons entitled to be upon the Site and keep the Site (so far as the same is under his control) and the Works (so far as the same are not completed or occupied by the Employer) in an orderly state appropriate to the avoidance of danger to such persons, and
 - ii) Provide and maintain at his own cost all lights, guards, fencing, warning signs and watching, when and where necessary or required by the Engineer or by any duly constituted authority for the protection of the Works or for the safety and convenience of the public or others, and
 - iii) Take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods or Repair.
- (a) Insurance of work by the Contractor for his liability:
- (i) During the Repair and Maintenance period for loss or damage to property and life arising from a cause for which contractor is responsible.
 - (ii) For loss or damage occasioned by the Contractor in the Course of any Repairs carried out by him for the purpose of complying with his obligations.
 - (iii) Contractor shall ensure appropriate insurance for his liability.

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

8. Damage to Persons and Property

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

- (a) Death of or injury to any person,
- (b) loss or damage to any property (other than the Works):

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

9. Accident or injury to Workmen

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

10. Evidence and Terms of Insurance

The Contractor shall take out appropriate insurance to cover his work and workers and staff employed by him fully. The contractor shall provide evidence to the Engineer/ 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 effected.

11. Compliance with Statutes,

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

- (a) Any National or State Statute, Ordinance, or other Law, or any regulation, or bye-Law of any local or other duly constituted authority in relation to the execution and completion of the works and the remedying of any defects therein, and
- (b) The rules and regulations of all public bodies and companies whose property or rights are affected or may be affected in any way by the Works, and the Contractor shall keep the Employer indemnified against all penalties and liability of every kind for breach of any such provision.
- (c) All labour laws, minimum wages, provident fund and ESIC Acts to be complied where ever applicable.
- (d) Any changes required for approval due to revision of the local laws.

12. Time for Completion

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

13. Extension of Time for Completion

The Repair and Maintenance contract may be extended on the written mutual consent of both Employer and Contractor for a further period of one year. However, employer reserves its right to Terminate the Repair and Repair and Maintenance contract by giving 15 days notice at any time during the currency of the contract if the services of the agency are not satisfactory as per the opinion of employer or its representative.

14. Defect Identification and its Rectifications

Agency shall immediately attend the defects and complaints noticed at site. The agency shall provide and develop a system for regular Repair and Maintenance of all the services which includes defects identifications and its immediate rectification so, that services are not affected. It shall be the sole responsibility of the Repair and Maintenance agency that all the services are kept in functional condition round the clock during the currency of the contract. Defect Liability period shall be 12 months from the date of completion of work under BOQ measurable works. The contractor shall rectify at his own expenses any defect in the work carried out by him during this period. On failure of the contractor to do so, the same shall be completed by the employer at the risk and cost of the contractor.

15. Liquidated damages for Delay

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

16. Contractor's Failure to Carry out Instructions

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

17. Instructions for variations

Quantities given in the BOQ are estimated quantities. The quantity of any particular item and overall cost may vary to extent. Variation in quantity in particular items or overall cost, does not entitle contractor to claim any extra cost.

MEASUREMENT

18. Works to be Measured for Bill of Quantities Items.

The Engineer shall determine by measurement of the value of actual work done in accordance with the Contract and the Contractor shall be paid proportionately. Part rate shall be made for any part of BOQ items not fully executed. Engineer shall be at liberty to decide the breakup of Lump Sum items and to decide the part rate for any particular item.

19. Method of Measurement

The works shall be measured net, notwithstanding any general or local custom, except where otherwise provided in the Contract.

CERTIFICATES AND PAYMENTS

20. Monthly Statements

The Contractor shall submit a bill in 3 copies to the Engineer by 7th day of each month for the work executed up-to the end of previous month in tabulated form approved by the Engineer, showing the amounts to which the Contractor considers himself to be entitled. The bill must be supported with the following documents:-

- (a) Attendance sheets along-with salary certificates, wages sheets of all the workers and staffs deployed against item no. 'A' in Manpower deployment schedule.
- (b) Certified bills of miscellaneous materials purchases under different heads against item no. 'A' not covered in Format D of Financial BID (Part B).
- (c) Details of defects/ complaints attended and rectified within time. Photocopy of respective portion of complaint register alongwith work completion slip duly signed by the occupant as a proof of defect resolution (timely & successfully).
- (d) Details of complaints attended late.
- (e) Test certificate of material used and tests carried out for quality control as required by the specifications and Engineers.

21. Deduction of Income Tax

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

22. Monthly Payments

The contractor shall submit monthly bill complete in all respects by the 7th day of each month. The Engineer shall clear the bill and certify for payment within 15 days.

23. Performance Guarantee

Within two weeks of award of work, the Contractor shall submit a Performance Security for proper performance of the Contract in the format enclosed as Enclosure III @ 5% of contract amount. The performance guarantee shall be valid for the duration of the contract period plus 12 months. The performance security can be encashed by the Employer to recover any amount which is payable by the Contractor to the Employer on any account for a cause arising out of the contract.

24. Default of Contractor

24.1 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.

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

25. Amicable Settlement of Dispute

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

26. Arbitration

Any dispute and differences relating to the meaning of the specifications, designs, drawings and instructions herein before mentioned and as to the quality of workmanship of materials used in the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions or these conditions or otherwise concerning the works or the execution or failure to execute the same whether arising during the progress of the work or after the completion or abandonment thereof in respect of which:-

Amicable settlement has not been reached.

Shall be referred to the Sole Arbitration of the Additional Commissioner, ESIC RO Mumbai who shall proceed as per the Arbitration Act, 1996.

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

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

PARTICULAR CONDITIONS OF CONTRACT

- CPWD specifications shall be followed. Where not available, BIS/ Engineering practice as directed by the Engineer shall be followed.
- Complaints shall be made in the format (Enclosure-I).
- A complaint register (format at Enclosure-II) shall be maintained in the Repair and Maintenance Office of the contractor in which all complaints received shall be documented.
- Formats of Performance Guarantee and Contract Agreement are at enclosure III and IV respectively.
- All Repair and Maintenance related complaints shall be attended to within two hour failing which a recovery of Rs. 100 per event per hour shall be made from the subsequent payment certificate of the contractor.
- The Sewer man shall ensure that all lines are maintained in a clean condition by carrying out preventive cleaning of all lines at least once each month.
- As the work will have to be carried out in building and area in use the contractor shall ensure:-
 1. That the normal functioning of ESIC activity is not effected as far as possible.
 2. That the work is carried out in an orderly manner without noise and obstruction to flow of traffic.
 3. That all rubbish etc. is disposed off at the earliest and the place is left clean and orderly at the end of an each days work.
 4. His Repair and Maintenance staff is qualified and licensed for their part of work. He shall be responsible for their conduct. The staff should behave in a courteous manner. The contractor shall be held responsible for any loss or damage to ESIC property.
 5. Safety of his workers and others at site of work and shall be responsible for any consequence arising out of execution of the Repair and Maintenance work
 6. Proper record keeping and storing of irreparable/ dismantled material.
 7. Water and electricity shall be made available free of cost at near by source of work. The contractor has to make his own arrangement for use of the same including drawing temporarily lines etc. The responsibility for following relevant rules, regulations and loss in the regard shall be entirely that of the contractor.

Additional Particular Conditions of Contract :

For the services to be operated and maintained by the Contractor , the following shall apply :-

Horticulture:-

The garden, lawns potted plant etc. shall be taken over after listing out the same. The same shall be maintained for the contract period. During this period, all inputs like manure, replacement of plant, watering, clearing weeds ,trimming, housekeeping etc. including all material labour and tools, replacement plants etc. shall be provided so that the garden is maintaining in a neat and healthy condition. The same shall be handed back to ESIC in such condition at the end of the contract period.

The Contractor shall follow all instructions conveyed to him by the concerned ESIC officials regarding maintenance of the above.

Specialized items/jobs/works/ are those that requires separate T&P and/or specialized skill.

(i) Water proofing treatment:-

In case of some specialized jobs by specialized firms, Guarantee bonds are also required to be executed viz. water proofing works . A sample Guarantee Bond is given in Appendix 25 of CPWD manual (Enclosure V).

(ii) Retrofitting work:-

Specialized works are those works for which there are specialized agencies available in the market to execute them viz. Retrofitting works. These works should be executed through such agencies only to ensure a proper quality of work.

Note:-

All the breakdowns/faults/Minor repairs shall be attended to immediately and rectified promptly.

Day to day operation and maintenance of equipments.

Providing and maintaining log book for the equipments.

Any major repair involving overhaul of engine, rewinding of motors, replacement of major components like etc. is excluded from the scope of work and shall be paid on actual. However, if the repairs/replacement arises out of negligence of the contractor or his staff, the contractor at his own cost shall carry the same out. Prior approval of the Engineer is to be obtained for any such major repair/replacement. Deployment of Engineer Staff from contractor must be as per CPWD work manual.

COMPLAINT REGISTER FORMAT

S. No.	Date & Time	Location	Nature of Complaint	Complaint attended Date & Time	Remarks	Signature of Contractor

FORM OF PERFORMANCE SECURITY BANK GUARANTEE BOND

In consideration of the ESIC having agreed under the terms and conditions of the Agreement No.....
..... dated made between ESIC and Second Party (herein called the said Construction
Agency for the work hereinafter called the said agreement) to
production of irrevocable bank guarantee for Rs. (Rupees.....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, We (hereinafter referred as to
“the Bank” hereby) (indicate the name of the bank)

Undertake to pay to the ESIC an amount not exceeding Rs. (Rupees
..... only) on demand by the ESIC.

2. We do hereby undertake to pay the amounts due and payable under
this Guarantee without any demure, merely on a demand from the ESIC 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 payable by the bank under this Guarantee. However,
our liability under this guarantee shall be restricted to an amount not exceeding Rs..... (Rupees
.....only).

3. We, the said bank further undertake to pay to the ESIC 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.

4. We further agree that the guarantee herein contained
shall remain in full force and effect during the period that would taken for the performance of the said
agreement and that it shall continue to enforceable till all the dues of the ESIC 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
ESIC 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 ESIC that.
The ESIC 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 ESIC 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 ESIC or any indulgence by the ESIC to the said contractors or by any such matter or thing
whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving
us.

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

7. We lastly undertake not to revoke this guarantee except with the
previous consent of the ESIC in writing.

8. This guarantee shall be valid up to Unless extended on demand by ESIC.
Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.....
(Rupeesonly) 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 the..... Day of..... For..... (Indicate
the name of bank

CONTRACT AGREEMENT FORMAT

This CONTRACT(hereinafter called the “Contract”) is made the _____day of the month of _____, 2018 between Employees’ State Insurance Corporation, Regional Office 108, Panchdeep Bhavan, N. M. Joshi Marg, Lower Parel, Mumbai–400013 on the one hand (hereinafter called the Employer) and on the other hand _____ (hereinafter called the Contractor). Whereas

a. The client has accepted the offer of the Contractor to provide certain services for Maintenance of

b. The Contractor, having represented to the client that they have the required professional skills, personnel and technical resources, have agreed to provide the services on the terms and conditions set forth in this Contract Agreement.

Now therefore the parties hereto hereby agree as follows:

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

1	Notice inviting Tender & Instructions to Tenderers	Annexure “A”
2	General conditions of Contract	Annexure “B”
3	Particular conditions of contract along with Enclosure I,II,III, IV & V	Annexure “C”
4	Program of day to day maintenance	Annexure “D”

2. The work shall be carried out in co-ordination with the other contractors on the site.

3. 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 client 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 fir above written.

FOR AND ON BEHALF OF
[CLIENT]

Employees’ State Insurance Corporation
Regional Office 108, Panchdeep Bhavan, N. M.
Joshi Marg, Lower Parel, Mumbai–400013

FOR AND OF BEHALF OF
[CONTRACTOR]

Appendix-25-CPWD WORKS MANUAL

(Reference para 22.5(1))

GUARANTEE TO BE EXECUTED BY CONTRACTORS FOR REMOVAL OF DEFECTS AFTER COMPLETION IN RESPECT OF WATER PROOFING WORKS

The Agreement made this..... day of..... two thousand and..... between..... son of.....of.....(hereinafter called the Guarantor of the one part) and the (hereinafter called ESIC 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 part and the ESIC of the other part, whereby the Contractor, inter alia, undertook to render the buildings and structures in the said contract recited completely water and leak-proof.

And Whereas GUARANTOR agreed to give a guarantee to the effect that the said structures will remain water and leak-proof for five years from the date of giving of water proofing treatment.

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

Provided that the guarantor will not be responsible for leakage cause by earthquake or structural defects of misuse of roof or alteration and for such purpose:

- (a) Misuse of roof shall mean any operation which will damage proofing treatment , like chopping of fire wood and things of the same nature which might cause damage to the roof.;
- (b) Alteration shall mean construction of an additional storey or a part of the roof or construction adjoining to existing roof whereby proofing treatment is removed in parts;
- (c) The decision of the Engineer- In-charge with regards to cause of leakage shall be final.

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 Engineer In-charge at his cost- and shall commence the work for such rectification within 7 days from the date of issue of notice from the Engineer In-charge calling upon him to rectify the defects, following 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 GUARANTOR fails to execute the water proofing or commits breach there under then the GUARANTOR will indemnify the principle and his successor against all loss, damage, cost, expenses 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 / of damage and / or cost incurred by the Government the decision of the Engineer- In-charge will be final and binding on the parties.

IN WITNESS WHEREOF these presents have been executed by the Obligor..... and by.....and for and on behalf of the ESIC on the day, month and year first above written.

Signed, sealed and delivered by OBLIGOR in the presence of---

- 1.
- 2.

Signed for and on behalf of THE ESIC by in the presence of—

- 1.
- 2.

Name of Work: Annual Repair & Maintaince Civil Work at ESIC Nagar Andheri (W) & Staff Quarter, Office at Goregaon(W)Mumbai for One Year. (Bill of Quantities-BOQ)

Sr.No.	D.S.R.Code no.	PARTICULAR OF ITEM	UNIT	QTY	DSR 2017 Rate	AMOUNT(In figures & words)
1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. 2.6.1 All kinds of soil	CUM	5.00		
2	2.13	Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m, including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layers by ramming, watering etc., stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50 m :	CUM			
(A)	2.13.1.2	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm diaes, cables etc, exceeding 80mm	RM	5.00		
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	CUM	5.00		
4	2.28	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m.	SQM	2000.00		
5	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance o 50 m outside the periphery of the area cleared.	SQM	25000.00		
6	2.32	Clearing grass and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	SQM	2000.00		
7		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	CUM	5.00		
8	4.1.5	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	CUM	5.00		

9		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.				
A	4.5.1	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20mm nominal size).	CUM	5.00		
10		Providing and fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), including the cost of required centering, shuttering complete.				
A	4.6.1	1:1½:3 (1 Cement: 1½ coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	CUM	5.00		
11	4.12	Extra for providing and mixing water proofing material in cement concrete per 50 kg work in doses by weight of cement as per manufacturer's specification.	Per Bag of cement used	5.00		
12	5.38	Extra for R.C.C./ B.M.C/ R.M.C. work above floor V level for each four floors or part thereof.	SQM	5.00		
13	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	CUM	2.00		
14	5.4	Providing and laying up to floor five level reinforced cement concrete in kerbs, steps and the like excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	CUM	2.00		
15		Centering and shuttering including strutting, propping etc. and removal of form for :				
(A)	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	SQM	5.00		
(B)	5.9.3	Suspended floors, roofs, landings, balconies and access platform	SQM	5.00		
(C)	5.9.4	Shelves (cast in situ)	SQM	5.00		
(D)	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	SQM	5.00		

16	5.14	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in mouldings as in cornices, windows sills etc, including setting in cement mortar 1:3 (1 cement : 3 coarse sand) cost of required centering, shuttering but , excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	CUM	4.00		
17	5.18	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 6 mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits.50mm thick.				
	5.18.1	5.18.1 50 mm thick	SQM	200.00		
18	5.22.4	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
		Hot roled deformed bars / cold	Kg	200.00		
19	5.38	Extra for R.C.C./ B.M.C/ R.M.C. work above floor V level for each four floors or part thereof.	CUM	5.00		
20		Brick work with modular calcium silicate bricks machine moulded conforming to IS:4139, class designation 10 average compressive strength in super structure above plinth level up to floor V level in :				
	6.35.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	CUM	5.00		
21	6.5	Extra for brick work / AAC block masonry / Tile brick masonry in superstructure above floor V level, for each four floors or part thereof by mechanical means.	CUM	1.00		
22	6.4.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in	CUM	25.00		
23	7.1.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with : 7.1.1 Cement mortar 1:6 (1 cement : 6 coarse sand)	CUM	10.00		
24	7.4.1	Extra for random rubble masonry with hard stone in : 7.4.1 Square or rectangular pillars	CUM	0.50		

25	8.2.1.1	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. 8.2.1 Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble 8.2.1.1 Area of slab upto 0.50 sqm	SQM	100.00		
25A	8.3.2	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge .8.3.2 Granite work	Rm	20.00		
26		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).				
(A)	9.1.1	Second class teak wood	CUM	2.00		
(B)	9.1.2	Salwood.	CUM	2.00		
27		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. 9.20.1 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws				
	9.20.1	35mm thick including ISI make	SQM	100.00		
28	9.22.1	Extra for Providing and fixing flush doors with decorative veneering instead of non decorative ISI marked flush door shutters conforming to IS: 2202 (Part I) 9.22.1 On one side only	SQM	50.00		
29	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum epth on all edges of flush door shutters (over all area of door shutter to be measured).	SQM	25.00		

30	9.7.5.3	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick :9.7.5.3 Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side, Grade I, Type II IS: 12823 marked	SQM	25.00		
31		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
(A)	9.48.1	Fixed to steel window by welding.	KG	1000.00		
(B)	9.48.2	9.48.2 Fixed to openings /wooden frames with rawl plugs screws etc.	KG	400.00		
32		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.				
(A)	10.25.1	10.25.1 In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	KG	100.00		
(B)	10.25.2	10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	KG	100.00		
33	10.6.3	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 10.6.3 80x0.90 mm M.S. laths with 0.90 mm thick top cover.	SQM	25.00		
34	10.7	Providing and fixing ball bearing for rolling shutters.	EACH	20.00		
35	10.3	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, ncluding applying a priming coat of approved steel primer.	SQM	5.00		

36	11.3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 11.3.1 40 mm thick with 20 mm nominal size stone aggregate	SQM	100.00		
37	11.7	Cement concrete pavement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete.	CUM	100.00		
38	11.8	Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavements etc.	SQM	100.00		
39		Chequered terrazo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) :				
	11.19.4	Ordinary cement without pigment	SQM	100.00		
40	11.26.1	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 11.26.1 25 mm thick	SQM	100.00		
41	11.27	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	SQM	200.00		
42	11.32	Extra for Kota stone/ sand stone in treads of steps and risers using single length up to 1.05 metre.	SQM	300.00		
43	11.36	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	SQM	1000.00		

44	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), including pointing the joints with white cement and matching pigment etc, complete.	SQM	500.00		
45	12.1.1	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 12.1.1 1.00 mm thick with zinc coating not less than 275 gm/m ²	SQM	25.00		
46	12.14	Providing flat iron brackets 50x3 mm size with necessary bolts, nuts and washers etc. for fixing asbestos cement / G.S. sheets gutters with purlins.	RM	25.00		
47	22.20.1	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3 mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/litre and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane : 22.20.1 3mm thick	SQM	5000.00		
48	22.21	Extra for covering top of membrane with Geotextile, 120 gsm non woven, 100% polyester of thickness 1 to 1.25 mm bonded to the membrane with ntermittent touch by heating the membrane by Butane Torch as per manufactures recommendation.	SQM	5000.00		

49		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.				
	12.41.1	75mm diameter	RM	50.00		
	12.41.2	110mm diameter	RM	500.00		
50	12.42.4.1	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. 12.42.4.1 75x75x75 mm	EACH	50.00		
50A	12.42.5.1	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. 12.42.5.1 75 mm bend	EACH	50.00		
51	12.42.5.2	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS: 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal xpansion. 110 mm bend	EACH	50.00		
52	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	EACH	10.00		
53	13.1.1	12 mm cement plaster of mix : 13.1.1 1:4 (1 cement: 4 fine sand)	SQM	400.00		
54	13.7.2	12 mm cement plaster finished with a floating coat of neat cement of mix :13.7.2 1:4 (1 cement: 4 fine sand)	SQM	25.00		
55	13.6.1	20 mm cement plaster of mix : 13.6.1 1:4 (1 cement: 4 coarse sand)	SQM	25.00		
56	18.17.1	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 18.17.1 25 mm nominal bore	Each	10.00		
57	13.16.1	6 mm cement plaster of mix : 13.16.1 1:3 (1 cement : 3 fine sand)	SQM	25.00		
58	13.11	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.	SQM	4000.00		
59	13.22	Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3 m or part thereof.	SQM	100.00		

60	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	SQM	1000.00		
61	13.33.2	Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) : 13.33.2 Raised and cut pointing	SQM	500.00		
62	13.37	White washing with lime to give an even shade : 13.37.1 New work (three or more coats)	SQM	100.00		
63	13.39.1	Colour washing such as green, blue or buff to give an even shade : 13.39.1 New work (two or more coats) with a base coat of white washing with lime	SQM	100.00		
64	13.43.1	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : 13.43.1 Water thinnable cement primer	SQM	5000.00		
65	13.40	Distempering with dry distemper of approved brand and manufacture (two or more coats) of required shade on new work, over and including water thinnable priming coat to give an even shade.	SQM	100.00		
66	13.41.1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : 13.41.1 New work (two or more coats) over and including water tinnable priming coat with cement primer	SQM	3000.00		
67	13.44.1	Finishing walls with water proofing cement paint of required shade : 13.44.1 New work (Two or more coats applied @ 3.84 kg/10 sqm)	SQM	100.00		
68	14.64	Finishing walls with water proofing cement paint of required shade : 14.64.1 Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 litres/10 sqm complet including cost of Priming coat.	SQM	100.00		
69	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade : 13.46.1 New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	SQM	5000.00		
70		applying priming coat :				
a)	13.50.1	a)13.50.1 With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	SQM	7000.00		
b)	13.50.3	b)13.50.3 With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	SQM	2000.00		
71	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : 13.61.1 Two or more coats on new work	SQM	2000.00		
72	13.68.1	French spirit polishing				
a)		13.68.1 Two or more coats on new works including a coat of wood filler	SQM	100.00		

73		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 within 50 metres lead :				
a)	14.1.2	14.1.1 With cement mortar 1:4 (1 cement : 4 fine sand)	SQM	3000.000		
74	14.2	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete, including disposal of rubbish to the dumping ground within 50 meters lead :				
a)	14.2.1	Door chowkhats	EACH	10.00		
b)	14.2.2	Window chokhats	EACH	20.00		
75	14.5.1	Renewing old glass panes with putty and nails				
a)		wherever necessary glass panes 4	SQM	50.00		
76	14.10	Refixing old glass panes with putty	SQM	5.00		
77	14.21	Renewing bottom rail and/or top runner of collapsible gate including making good all damages and applying priming coat of zinc chromate yellow primer of approved brand and manufacturer.	KG	5.00		
78	14.42.1	White washing with lime to give an even shade : 14.42.1 Old work (two or more coats)	SQM	5000.00		
79	14.43	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	SQM	5000.00		
80	14.44	Distempering with dry distemper of approved brand and manufacture (one or more coats) and of required shade on old work to give an even shade.	SQM	50.00		
81	14.45.1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :	SQM	5000.00		
82	14.46	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	SQM	5000.00		
83	14.54.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : 14.54.1 One or more coats on old work	SQM	3000.00		

84	9.118.2	Providing and fixing to existing door frames 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	SQM	50.00		
85	15.2.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer – in – charge. 15.2.2 Nominal concrete 1:4:8 or leaner mix (i/c equivalent design Mix)	CUM	5.00		
86	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	CUM	15.00		
87	15.5	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer -in - charge.	SQM	5.00		
88	15.6	Extra for scrapping, cleaning and straightening reinforcement from R.C.C. Or R.B. Work.	Kg	5.00		
89	15.7.4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in harge. 15.7.4 In cement mortar	CUM	5.00		
90	15.9.2	Demolishing stone rubble masonry 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 : 15.9.2 In cement mortar	CUM	10.00		

91	15.12.1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : 15.12.1 Of area 3 sq. metres and below	EACH	10.00		
92	15.13.1	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : 15.13.1 Of area 3 sq. metres and below	EACH	500.00		
93	15.23.1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. 15.23.1 For thickness of tiles 10 mm to 25 mm	SQM	100.00		
94	15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	SQM	10.00		
95	15.42.2	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead : 15.42.2 100 mm dia pipe	RM	500.00		
96	15.44.1	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge : 15.44.1 15 mm to 40 mm nominal bore	RM	200.00		
97	15.52	Dismantling of flushing cistern of all types (C.I./PVC/Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	25.00		
98	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	SQM	4700.00		
99	4.17	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	SQM	1600.00		
100	17.1.1	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: 17.1.1 White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	EACH	25.00		

101	17.2.1	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 hereever required : 17.2.1 W.C. pan with ISI marked white solid plastic seat and lid	EACH	10.00		
102	17.7.3	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. Brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls whereever Require: 17.7.3 White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. Brass pillar taps	EACH	25.00		
103	17.7.7	17.7.7 White Vitreous China Flat back wash basin size 450x 300 mm with single 15 mm C.P. brass pillar tap.	EACH	25.00		
104	17.18.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. 17.18.1 10 litre capacity – White	EACH	35.00		
105		Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 17.28.1 Semi rigid pipe				
a)	17.28.1.1	17.28.1.1 32 mm dia	EACH	25.00		
b)	17.28.1.2	17.28.1.2 40mm dia	EACH	100.00		
106	17.30	Providing and fixing in position 25 mm diameter mosquito proof coupling of approved municipal design.	EACH	10.00		
107	17.35.1.2	Providing and fixing soil, waste and vent pipes : 17.35.1 100 mm dia 17.35.1.2 Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	RM	10.00		
108	17.35.2.2	Providing and fixing soil, waste and vent pipes :17.35.2 75mm diameter : 17.35.2.2 Centrifugally cast (spun) iron socketed pipe as per IS: 3989	RM	10.00		
109	17.38.1.2	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 17.38.1.2 Sand cast iron S&S as per IS – 3989	EACH	10.00		

110	17.38.2.2	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete .17.38.2 75 mm dia 17.38.2.2 Sand cast iron S&S as per IS – 3989	EACH	10.00		
111	17.39.2.2	Providing and fixing plain bend of required degree. 17.39.2 75 mm dia 17.39.2.2 Sand cast iron S&S as per IS – 3989	EACH	10.00		
112	17.41.1.2	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 17.41.1.2 Sand cast iron S&S as per IS – 3989	EACH	10.00		
113	17.41.2.2	Providing and fixing double equal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts 17.41.2 75x75x75x75 mm 17.41.2.2 Sand cast iron S&S as per IS – 3989	EACH	15.00		
114	17.43.1.2	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 17.43.1 100x100x100 mm 17.43.1.2 Sand cast iron S&S as per IS – 3989	EACH	10.00		
115	17.43.2.2	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 17.43.2 75x75x75 mm 17.43.2.2 Sand cast iron S&S as per IS – 3989	EACH	10.00		
116		Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall				
A	18.10.1	18.10.1 15 mm dia nominal bore	RM	500.00		
B	18.10.2	18.10.2 20 mm dia nominal bore	RM	600.00		
C	18.10.3	18.10.3 25 mm dia nominal bore	RM	250.00		
D	18.10.5	18.10.5 40 mm dia nominal bore	RM	200.00		
	18.10.6	18.10.6 50 mm dia nominal bore	RM	100.00		
117		Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
A	18.11.1	18.11.1 15 mm dia nominal bore	RM	50.00		
B	18.11.2	18.11.2 20 mm dia nominal bore	RM	10.00		
118		Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work				
A	18.12.1	18.12.1 15 mm dia nominal bore	RM	10.00		
B	18.12.2	18.12.2 20 mm dia nominal bore	RM	10.00		

C	18.12.3	18.12.3 25 mm dia nominal bore	RM	10.00		
D	18.12.5	18.12.5 40 mm dia nominal bore	RM	10.00		
E	18.12.6	18.12.6 50 mm dia nominal bore	RM	10.00		
119	18.17.1	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 18.17.1 25 mm nominal bore	EACH	10.00		
120		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 :				
A	19.1.1	100mm dia.	RM	50.00		
B	19.1.2	150mm dia.	RM	20.00		
121		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 :				
A	19.2.1	100mm dia. S.W.Pipe	RM	30.00		
B	19.2.2	150mm dia SW Pipe.	RM	10.00		
122	19.5.1	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 :100mm dia.S.W.Pipe	RM	50.00		
A	19.5.2	150mm dia SW pipe.	RM	10.00		
123	21.1.1.1	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 21.1.1.1 Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	KG	25.00		
124	9.78	Providing and fixing bright finished brass night latch of approved quality including necessary screws etc. complete.	Each	25.00		

125	19.19.1.1	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 19.19.1.1 Rectangular shape 600x450 mm internal dimensions	Each	50.00		
126	12.43.2	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. 12.43.2 110 mm	Each	25.00		
127	12.43.1	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. 12.43.1 75 mm	Each	25.00		
128	9.9.3.1	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws. 9.9.3 Kiln seasoned selected planks of sheesham wood 9.9.3.1 35 mm thick	Sq.mt.	10.00		
129	9.97.4	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 : 9.97.4 150x10 mm	Each	150.00		
130	9.100.2	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 : 9.100.2 100 mm	Each	150.00		
131	17.60.1.2	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and fl 17.60.1.2 Sand Cast Iron S&S as per IS: 1729	Each	10.00		
132	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
A	18.18.1	15 mm nominal bore	Each	50.00		

133	18.56.2	Providing and fixing PTMT pillar cock of approved quality and colour . 1 8.56.2 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	Each	50.00		
134	18.49.1	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 18.49.1 15 mm nominal bore	Each	250.00		
135	18.55.1	Providing and fixing PTMT stop cock of approved quality and colour. 18.55.1 15 mm nominal bore, 86 mm long, weighing not less than 88 gms	Each	25.00		
136	17.69.1	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. 17.69.1 waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms	Each	50.00		
137	17.28.2.1	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete 17.28.2 Flexible pipe 17.28.2.1 32 mm dia	Each	100.00		
138	18.18..2	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 18.18.2 20 mm nominal bore	Each	30.00		
139	18.18.3	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 18.18.3 25 mm nominal bore	Each	50.00		
140	18.47.2	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 : 18.47.2 20 mm nominal bore	Each	30.00		
141	9.62.1	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 9.62.1 300x16 mm	Each	10.00		
142	9.97.5	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 : :9.97.5 100x10 mm	Each	50.00		
143	9.55.2	.Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete : 9.55.2 100x58x1.90 mm	Each	100.00		
144	9.55.3	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete : 9.55.3 75x47x1.70 mm	Each	100.00		

145	9.101.1	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. 9.101.1 Single rubber stopper	Each	200.00		
146	18.47.1	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 : 18.47.1 15 mm nominal bore	Each	200.00		
147	18.47.2	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 : 18.47.2 20 mm nominal bore making good the same complete wherever required :	Each	100.00		
148	18.47.3	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 : 18.47.3 25 mm nominal bore making good the same complete wherever required :	Each	50.00		
149	17.10.2.1	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : 17.10.2 Kitchen sink without drain board 17.10.2.1 610x510 mm bowl depth 200 mm	Each	20.00		
150	19.4.3.1	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: 19.4.3 180x150 mm size P type 19.4.3.1 With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	15.00		
151	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	10.00		
152	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sq.mt.	10.00		

153	14.53.	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade : 14.53.1 One or more coats on old work	Sq.mt.	200.00		
154	8.2.2.1	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels .8.2.2 Granite of any colour and shade 8.2.2.1 Area of slab upto 0.50 sqm	Sq.mt.	50.00		
155	17.8	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	Each	10.00		
156	18.22.1	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : 18.22.1 100 mm diameter	Each	10.00		
157	18.48A	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. 18.48A Circular tank	Ltrs.	55000.00		
158	9.7.5.3	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick : 9.7.5.3 Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side, Grade I, Type II IS: 12823 marked	Sq.mt.	20.00		
159	9.80	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with necessary screws.	Each	5.00		
160	10.5.1	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. 10.5.1 Using M.S. angels 40x40x6 mm for diagonal braces	Sq.mt.	25.00		
161	18.19.1.2	Providing and fixing gun metal non- return valve of approved quality (screwed end) : 18.19.1 25 mm nominal bore 18.19.1.2 Vertical	Each	5.00		

162	26.28.2	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	SQM	1000.00		
163	26.29.1	Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge. 26.29.1 Bars upto 12 mm diameter	Mtr.	3000.00		
164	26.29.2	26.29.2 Bars above 12 mm diameter	Mtr.	3000.00		
165	26.30.1	Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 100mm upto 200mm in RCC beams, lintels, columns and slabs to introduce steel bars for sunshades/balconies including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge. 26.30.1 Upto and including 12mm dia.	EACH	200.00		
166	26.31.2	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. 26.31.2 Epoxy bonding adhesive having coverage 2.20 sqm/kg of approved make	SQM	1000.00		

167	26.32.2	<p>Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge.</p> <p>Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/ mm²). 26.32.2 25 mm average thickness in 2 layers.</p>	SQM	500.00		
168	26.34.1	<p>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.</p> <p>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)</p> <p>26.34.1 50mm thick in Grade M 25 with cement content not less than 330 kg per cum</p>	SQM	500.00		
169	26.34.2	<p>26.34.2 75mm thick in Grade M 25 with cement content not less than 330 kg per cum</p>	SQM	500.00		
170	26.35.3	<p>Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/ masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineerin- Charge (The payment shall be made on the basis of actual weight of approved grout injected.)</p> <p>26.35.3 Epoxy injection grout in concrete/RCC work of approved Make</p>	KG	200.00		

171	1.1.1	Disposal of building debris outside the compound through mechanical transportation as per municipal bye laws and permitted by local bodies, as per item. Upto 20Km. Lead	CUM	250.00		
172	14.76	Cleaning of rectangular manhole of any size including removing malba, slush, waste material pumping of waste material and finally sprinkling water for cleaning the manhole and disposal of sludge, waste material etc. complete outside the compound wall as directed by E-in-C.	EACH	50.00		
173		Deployment of following man-power on call within 24 hours notice.				
A	0129	1) Sewer man	Day	312.00		
B	0114	2) Khalasi /Helper	Day	312.00		
C	0116	3) Fitter (grade 1)(Plumber)	Day	312.00		
174		P & F Door Eye (Lens) of approved make for the main door	EACH	300.00		
175		P & F aluminium hookes and eyes	EACH	300.00		
176		P & F Aluminium sheet 28 SWG	SQM	100.00		
177		P & Stacking good red earth	CUM	10.00		
178		P & F C I Cover, BMC approved for water tanks	EACH	25.00		
179	18.47.1	P & F 15mm GI Union on G I pipe	EACH	2.00		
		ADD COST INDEX OF 138 AS 102 BASE ON DSR 2016				
				TOTAL OF DSR		
180	MR	P & F reducer 100mm on G I pipe	EACH	5.00		
181		Providing rubber washer below siphon of flushing cistern including removing existing worn out washer and removal and refitting of the part of the cistern etc, complete.	EACH	400.00		
182	MR	Providing and fixing 30 to 40mm thick cuddppaha stone slab laid over base of 20mm thick (average) cement mortar in 1:4 (1 cement : 4 coarse sand) including rubbing and cleaning etc. complete for kitchen platform.	SQM	100.00		
183	MR	Providing and fixing A1- Louvered louvered windows with frame of size 65x25 mm and 16SWG thickness louverers with 5mm thick frosted glass including louverers channel, powder coating the aluminum section to required shade etc.	SQM	10.00		
184	MR	Providing asbestos cement rain water pipes soil pipes and vent pipes confirming to IS: 1626-1960 with standard holdernbat clamps etc. complete.				
A		a. 150mm dia.	RM	10.00		
B		b. 100mm dia.	RM	10.00		
C		c. 80mm dia.	RM	10.00		

185	MR	Providing and erecting structurally 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 material as per local by laws etc. complete as directed by E-in-C- For a period of one month.				
A		In wooden ballies / bamboos - Single scaffolding	SQM	6500.00		
B		In wooden ballies / bamboos - Double scaffolding	SQM	6500.00		
186	MR	Providing with gunny cloth / tarpaulin/ plastic sheet weighing not less than 100gms/sq.m for protection onto the walls, floors, as per item. (payment shall be made for actual area of the covering)	SQM	100.00		
187	MR	Providing and fixing chicken mesh jali of size 20mm and 22 gauge thick of approved pattern on the brick wall, RCC Chajjas fins, columns, beam etc, at any height, including nails etc. complete as directed by E-in-C	SQM	50.00		
188	MR	Cleaning of sewer pipe lines of all dia. Including removal of chockage etc. all complete and disposal of rubbish, sludge etc.	RM	1000.00		
189	MR	Cleaning of storm water drains of minimum 30 cm wide and 20 cm. Deep including removing grass, vegetation, muck, rubbish, malba etc. staking and disposable material to dumping ground as directed by -in-	RM	1000.00		
190	MR	Cleaning of terrances / sheds of GI/AC sheet roofing including cleaning of mouth of rain water pipe if any with brooms at all floor level including disposal of unserviceable material outside the compound as directed by E-inC	SQM	7500.00		
191		Credit for salvage value of following				
A		i) Iron/Steel	Kg.	-500		
B		ii) Plastic	Kg.	-100		
C		iii) aluminum	Kg.	-50		
D		iv) Brass	Kg.	-300		
E		v) Coppar	Kg.	-1		
F		vi) Wood	Lot(lum-sum)	-1		
					TOAL OF NDSR	
					Total Amount	

**Construction Branch
Assistant Director**