

REQUEST FOR PROPOSAL (RFP):

**ANNUAL MAINTENANCE CONTRACT (AMC) FOR
CIVIL REPAIR & MAINTENANCE WORK**

**AT
BAI JERBAI WADIA HOSPITAL FOR CHILDREN,
ACHARYA DONDE MARG,
PAREL, MUMBAI - 400012.**

**Sr. Project Officer
Admin Department
Acharya Donde Marg,
Parel, Mumbai- 400012.**

Ref No. BS-Civil maint/2021-01/04 ; 16.01.2021.

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REQUEST FOR PROPOSAL

Tender for 1 years Comprehensive Annual maintenance Contract of Civil repair and Maintenance at Bai Jerbai Wadia for Children, Acharya Donde Marg, Parel, Mumbai- 400012.

BJWHC invites tender for the above referred work. Tender Documents can be obtained from Building Supervisor Dept, Nowrosjee Wadia Maternity , Acharya Donde Marg, Parel, Mumbai- 400 012. The same must be submitted at office of Dispatch, Bai Jerbai Wadia for Children, Acharya Donde Marg, Parel, Mumbai-400012 on or before 4:00 pm on 27.01.2021.

The Contractor has to quote the rate as per attached BOQ.

Excavation, Backfilling, Concreting, Brickwork, Plastering, PPGL Sheets, Fabrication.

Bidders are advised to inspect the site at BJWHC before quoting for the work.

Date of issue of RFQ : 00.00 Hrs from 18.01.2021

Time and date of submission : on or before 4 pm, 27.01.2021 at office address given below.

Time and date of opening of technical bid of tender: at 10 am on 30.01.2020. (The price bid of the bidder who meets the prequalification criteria and other technical terms and conditions will be opened)

Incomplete information may lead to non-consideration of the proposal.

Tender process shall be carried out in regular two bid system [Technical bid & Commercial bid].

The reserves the right to accept or reject any or all the tenders either in whole or in part without assigning any reason whatsoever.




Sr. Project Officer

Schedule of Events

Date of pre bid meeting	25.01.2021
Last Date of submission of Technical and Commercial Bid	4:00 pm on 27.01.2021
Opening of Technical Bids	10:00 pm on 30.01.2021
Address for communication - And submission of bids	Chief Executive Officer Bai Jerbai Wadia for Children Acharya Donde Marg, parél, Mumbai- 400 012
Commencement of works	Within 2 days of receipt of work order. If the same is delayed more than 15 days, is at liberty to terminate without giving any notice.
Contract Period	1 year. (the same can be renewed at same terms and conditions for further period of two years at discretion of)

RFP CONDITIONS

1. INTRODUCTION

Brief Scope of Work: Civil repair and maintenance at Bai Jerbai Wadia for Children, Parel.

The Bidder should visit the premises to get a brief knowledge about the area and nature of various works.

2. ELIGIBILITY CRITERIA:

2.1 The Bidder should have the following registration certificates without which the tender may be rejected:-

- a) Certificate of Incorporation, Articles & Memorandum of Association in-case of Companies / partnership deed & registration of partnership firm in-case of firms / any document proving Ownership of a proprietary firm
- b) PAN number of the Company/Firm/Bidders
- c) GSTN number.
- d) Certificate of Registration under Shops & Establishment Act.
- e) Certificate of Registration with the Office of the Regional Provident Fund Commissioner
- f) Certificate of Registration with Employees' State Insurance Corporation
- g) Valid registration certificate / license with Labour Department under Contract Labour (Regulation & Abolition) Act, 1970.

2.2 The Bidder should have a minimum 05 years of experience (as on 31.01.2020) in work of similar nature in Commercial / Residential campus, Educational / Training institutes of Govt organizations. The bidder should furnish previous work orders / Completion certificates for establishing the experience.

2.3 The bidder should have a minimum average annual turnover of Rs. 1.5 crore for the previous three years (as on 31-03-2020). Audited / Certified Balance Sheet (by Chartered Accountant) for the years 2017-2018, 2018-2019 and 2019-2020, establishing the turnover criteria should be submitted.

2.4 The bidder should have executed / in-progress work of similar nature in Mumbai / Navi Mumbai / Thane. The value of the annual maintenance contract should be at least of

- a) One annual contract of Rs. 50 lacs
- b) Two annual contracts of Rs. 30 lacs each
- c) Three annual contracts of Rs. 25 lacs each

For establishing the eligibility criteria 2.4, the bidder should furnish work orders / Completion certificates specifying the contract value during the period 2017 to 2020.

2.5 The bidder should have an office in Mumbai / Navi Mumbai / Thane districts.

3. BIDDING DOCUMENTS

Quotation has to be submitted in 2 separate envelopes super scribed Technical Bid / Commercial Bid for "AMC for Civil Repair and Maintenance at Bai Jerbai Wadia for Children" together as per the procedure narrated below. The quotations should be submitted in dispatch counter at Bai Jerbai Wadia for Children.

Each paper of RFP documents should be stamped & signed by the authorized official of the company with a seal of the company.

3.1 First Envelope (Technical Bid) should contain the forwarding letter along with the following documents / certificates specified in the below table for establishing the eligibility criteria of the bidder.

SR NO	DOCUMENT/CERTIFICATE DESCRIPTION	YES/NO	DETAILS
01	Certificate of Incorporation, Articles & Memorandum of Association in-case of Companies / partnership deed & registration of Partnership firm in-case of firms / any document proving Ownership of a proprietary firm.		
02	PAN number of the Company / Firm / Bidder		
03	Certificate of Registration under Service Tax Act & AT/GST		
04	Certificate of Registration under Shops & Establishment Act		
05	Certificate of Registration with the Office of the Regional Provident Fund Commissioner		
06	Certificate of Registration with Employees' State Insurance Corporation.		
07	Valid registration certificate / licence with Labour Department under Contract Labour (Regulation & Abolition) Act, 1970.		
08	Previous work orders / Completion certificates For establishing the minimum 05 years of Experience (as on 31-03-2020) in maintaining Garden works in Commercial / Residential campus, Educational / Training Institutes of Govt Organizations only.		
09	Audited / Certified Balance Sheet (by Chartered Accountant) for the years 2017-2018, 2018-2019 And 2019-2020 establishing the minimum average Annual turnover of Rs. 1 crore for the previous three		
10	Work order / Completion certificate of executed work in last 5 year from 2016 to 2020 in Mumbai/Navi Mumbai/Thane.		

The Technical proposal should **NOT** contain any price information. Such proposal, if received, will be rejected.

All documents submitted should be serially numbered as shown above with forwarding letter along with its Annexure. All the pages of the certificates / documents submitted should be self-attested with Company Seal & signature.

Hospital may seek additional documents / information for ascertaining the eligibility of the Bidder.

Please note that all the information / documents desired are provided. Incomplete information may lead to non-consideration of the proposal.

After scrutinizing the Technical Bid parameters, Bidders who qualify will be shortlisted.

Bidders who fulfil the requirements of Technical Bid will only qualify for opening of 2nd envelope i.e. commercial Bid.

3.2 Second envelope (Commercial Bid) should contain "Bill of Quantities" specifying their price. The price quoted should contain a single sheet as per Annexure - BOQ on the Bidder's letter head wherein the **Base Price is only to be mentioned under the signature and seal of the Bidder, GST will be paid by the separately.**

3.3 Documents constituting the Bid

The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding Document. Failure to furnish all information required in the Bidding Document or to submit a Bid not substantially responsive to the Bidding Document in every respect will be at the Bidder's risk and may result in the rejection of the bid at the discretion of the .

3.4 Clarification / Amendment of Bidding Document

- 1) Bidder requiring any clarification of the Bidding Document may notify the in writing at the address or by e-mail indicated as per time and date mentioned in Schedule of Events.
- 2) A **pre-bid meeting** is scheduled as per time and date mentioned in Schedule of Events.
- 3) Text of queries raised (without identifying source of query) and response of the together with amendment to the bidding document, if any, will be informed through individual clarification which will be sent to the bidders
- 4) Relaxation in any of the terms contained in the Bid, in general, will not be permitted, but if granted, the same will be put up in writing. All bidders must ensure that such clarifications / amendments have been considered by them

before submitting the bid. Hospital will not take responsibility for any omissions by bidder.

- 5) At any time prior to the deadline for submission of Bids, for any reason, whether, at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the Bidding Document, by amendment.
- 6) In order to enable bidders reasonable time in which to take amendments into account in preparing the bids at its discretion, may extend the deadline for submission of bids.
 - A. Successful Bidder will have to enter into an agreement with the. The format of the agreement shall be designed drafted based on the Terms & Conditions / Clauses mentioned in this RFP document. However, Hospital reserves the right to add / delete any other Clauses in this Agreement. The successful Bidder should forward a letter specifically indicating the names of their personnel who will be providing services in different heads.
 - B. Decision of Hospital in regard to interpretation of the Tender Conditions, Terms & Conditions, Scope of Work, Agreement, Payment terms, etc. shall be final and binding on the Contractor. In case of any dispute between the Contractor and the Hospital, the Hospital shall have the right to decide. However all matters of jurisdiction shall be subjected to courts in Mumbai.
 - C. Hospital reserves its right to reject any or all the Tenders / Quotations without assigning any reasons therefore and the Hospital's decision shall be final and binding.

TERMS & CONDITIONS OF THE CONTRACT

1. MANPOWER, WAGES, ETC.

The Contractor should ensure to comply with all the provisions of Labour Act / State / Central Govt. Agreed procedures. The Contractor shall be solely responsible for compliance to provisions of various labour and industrial laws and all statutory obligations such as minimum wages as per Central Govt. Rules, allowances, compensations, EPF, Bonus, gratuity, ESIC, etc. relating to workers provided to the Hospital. The Hospital shall have no liability in this regard.

The Contractor shall ensure to get the Police verification for all the manpower deployed by them and the contractor should ensure that the manpower deputed should bear good moral character.

All personnel provided by the Contractor will be on the payrolls of the Contractor / Company.

That the Contractor will not sub-contract or permit any other person to perform any of the work or services agreed to without prior permission from the Hospital.

The Contractor shall ensure the availability of a reliever for weekly off and a substitute is provided if a person is absent. The Contractor should arrange for replacing his workmen to give weekly off to his workmen as per the labour rules.

2. SAFETY, SECURITY, ETC.

That the Hospital shall not be liable for any compensation in case of any fatal injury / death caused to any other Contractor's employees while performing / discharging their duties / visiting Hospital's premises for inspection or otherwise. The contractor shall alone be fully responsible for safety and security & insurance or life insurance of their personnel who is working on the operation and maintenance works.

In no case, safety norms shall be violated. Even in case of urgency, when temporary rectification is done, etc. no such compromise is allowed as regards to safety provisions.

The Contractor agrees that its personnel shall comply with security regulations in effect from time to time at Hospital's premises and externally for materials belonging to hospital at all times. The Contractor alone shall be fully responsible for safety and security & insurance or life insurance of their personnel who are working at site.

The Contractor should issue a valid Company Identity cards to all their staff personnel who will be providing services under this contract.

The Contractor shall provide and ensure sufficient personal protection gears like safety shoes, hand gloves, ladders, etc. are being used by their workers while carrying out works.

The Contractor personnel shall report to the Security Reception of Gate No 4 while entering & exiting the premises. All personnel of Contractor will be subjected to a thorough physical checking while coming and leaving the colony. Those persons so deputed will sign in the Register for arrival and departure at the site.

3. PAYMENT TERMS

Payment of AMC shall be made post monthly basis. Copy of the routine maintenance works have to be submitted along with the Bills.

There would be no increase in rates payable to the Contractor during the Contract period. In-case of renewal after the initial contract period of one year, the contract value shall be increased at Hospitals own discretion.

Payment of wages to all the workers engaged by the contractor should be through an Account maintained with any Scheduled Commercial Bank and proof of same will be provided to Hospital in first week of every month. The timings of staff will be from 9:00 a.m. To 06.00 p.m .

The Hospital shall reserve the right to deduct the pro-rata charges for the absence of any Staff member of the Contractor.

In case of any lapse on contractor's part in proper maintenance of Civil & Repair, the Hospital has got right to deduct the pro-rata charges for the period.

The Contractor shall be responsible for any loss due to theft/ pilferage/ damage of the Hospital Property when such losses caused due to negligence or carelessness or any fault on the part of the Contractor or any of his employees and also liable to pay to the Hospital such amount of loss as may be assessed.

The Contractor shall be responsible to pay rates and wages to his employees and observe hours of work and conditions of employment as per existing rules under the minimum wages act. The contractor shall be responsible and will ensure that the workmen are paid wages, which are not lower than the minimum wages prescribed by the Central/ State Government, and shall be responsible for proper maintenance of all registers, records and accounts so far as the same relate to compliance of any statutory provisions/ obligations.

The contractor shall accept and bear full and exclusive liability for the payment of any or all taxes now in force or hereinafter imposed increased or revised from time to time by the Central/ State Govt. or any authority with respect to or covered by wages, salary or other compensation paid or payable to persons employed by him.

The contractor shall be responsible for all the claims of his employees and the employees shall not make any claim whatsoever against the Hospital. The contractor's workmen shall not have any right whatsoever for absorption in the Hospital.

The contractor shall be responsible for payment of their wages and dues to their employees and he shall be liable for any liability arising out of violation of any law, local or central. It will be the responsibility of the contractor to ensure that his direction carried out by the persons employed by him.

The contractor shall indemnify the Hospital against any penalties/ claims for any default on his part.

The contractor should fully comply with all applicable laws and rules and regulations relating to the Provident Funds Act including the payment of provide fund contribution. Payment of Bonus Act. Workmen Compensation Act, and / or such of the Acts or laws or regulations passed by any Central/ State Governments, Employees State Insurance Corporation. Municipal Authority including TDS as per the IT Act.

The contractor shall bind himself/ / executors or administrators shall indemnify the Hospital against all claims, damages, proceedings, costs, or any expenses whatsoever may be imposed, enforced or brought against the Hospital or any of its directors or employees for reasons or consequent upon any breach or default on the part of the contractor in respect of violation of any provisions of Law/ Act/ Rule/ Regulations having the force of Law.

The contractor shall obtain adequate insurance policy in respect of the workmen engaged by him for the work towards meeting the liability of compensation arising out of death, injury, disablement etc. The contractors should also be responsible to comply with statutory requirements including fire safety regulations.

The contractor shall provide weekly off/ holidays to his workmen as per labour laws but it shall be his responsibility to ensure uninterrupted services to the Hospital on all days.

The contractor shall come to an end by efflux of time or earlier by one month's notice at the option of the Hospital. If during the currency of the contract any Govt notification prohibits engagement of the contract labour for the purpose for which the contractor has been engaged, the contract will come to an end forthwith and no compensation will be paid to the contractor.

The contractor shall be responsible for liquidating damages on failure of breach of the terms and conditions of the contract.

The Hospital reserves the right to terminate the contract by giving one month's prior notice in writing without assigning any reason therefore.

4. CONSUMABLES & TOOLS:

The cost of essential day to day consumables building material tools, machineries, curing system, etc. has to be included in the annual maintenance contract value itself. No extra charge shall be paid on this account.

However, need based arrangement for execution, etc. has to be brought to the notice of the Hospital and the works have to be carried out as per the

advice of the concerned Officer. The cost of such executions, etc. shall be borne by the Hospital.

5. TERMINATION OF THE CONTRACT

The Hospital reserves the right to terminate the agreement in case of breach of any terms and conditions of this agreement by the Contractor, with 24 hours' notice. The Hospital also reserves its right, to claim damages for such breaches and the decision of the Hospital in this regard shall be final. Hospital can terminate the agreement if the services provided by the Contractor are found to be dis-satisfactory. The Hospital can terminate the agreement by giving 30 days' notice in writing. However, the Contractor can terminate the agreement by giving 90 days' notice in writing to the Hospital.

6. FORCE MAJEURE

Neither party shall be liable for delay in performing obligations if the delay or failure is due to any of the following force majeure i.e. Act of God or any Government Act, fire, earthquake, explosion, strikes/ Bandh, civil commotion or anything beyond the control of either party. The party shall use all reasonable endeavors to minimize any such delay.

7. BUSINESS TERMINATION

In the event that the contractor shall close conducting business in the normal course or wind up, make a general assignment for the benefit of creditors, suffer or permit the appointment of a receiver for its business or shall avail itself or become subject to any proceeding under any Act or statute of any country or state relating to insolvency or protection of rights of creditors, then this agreement shall terminate and be of no further force and effect.

If the Hospital does not avail of certain service(s) mentioned in the Scope of work, then the Hospital shall not pay for that/those service(s). The Hospital shall have the right, during performance of the maintenance contract to change the scope and/or technical character of the maintenance contract.

SPECIAL TERMS & CONDITIONS

- The work shall be carried out as per MCGM Specification with upto date correction slip and as per directions of Engineer -in -charge .
- No labour Hut shall be allowed at site.
- Contractor must see the site before quoting rates.
- The cost quote must be on the area basis and must include the expenditure involved in all operations necessary to complete the work in all aspect.
- Contractor should take utmost care to prevent any damage to existing roof sheeting while doing the water proofing treatment work.
- In case the contractor needs any payments in advance, he shall have to submit a Bank Guarantee of equal amount in favor of Director, CEC.
- On completion of the work 5% of the total cost shall be retained by the Hospital for 6 months as security deposit for the rectification of defects if any.
- Quoted rates must include sales tax and other taxes. Nothing extra shall be payable over and above quoted rates.
- Income tax, work contract and other recoveries shall be made as per rules.
- Time allowed to execute and complete the work will be as per direction specified in respective work order issued based on this AMC and date of completion shall be recorded in the bill.
- Fine upto 1% per fortnight on job delayed over the above period subject to mazimum of 10% will be at the discretion OF Hospital.
- The market rate of the items will be decided by Engineer-in-charge which are neither in AMC.
- Official approved record for Labour supply if any.
- Any other items not included in the work order will be as per DSR rates + prevailing approved cost index escalation at the time of tender.
- Payment will be made as per actual measurement of items of work after completion of work.
- All disputes shall be only in courts within jurisdiction of Mumbai.
- Tenderer should quotes his rates for the items in figures as well as in words, in case of ambiguity lesser of two will be treated as correct.
- Hospital has the right to reject any tender / Quotation without assigning any reason.
- Tender should be valid for a period of 180 days from the date of opening of the tender.
- Payment: 95% by cheque on satisfactory execution of works and verification by officer in charge and certification by Engineer, 5% shall be retained by Hospital for 6 months and released thereafter as per clause 7 above.

DETAILED STATUS OF THE FIRM

1	Name of the Applicate and Address of the Registered Office	
2	Year of establishment (Enclose documentary evidence)	
3	Type of the organization (Whether sole proprietorship, Partnership, Private Limited of Co-operative Body, etc.	
4	Name of the Proprietor / Partners / Directors of Applicant with address and Phone Numbers.	
	(a)	
	(b)	
	(c)	
	(d)	
5	Details of Registration - Whether Partnership firm, company etc. name of registering Authority, Date and registration Number	
6	Whether registered with Government (CPWD / State PWD / MES / Railways) Semi-Government / Municipal Authorities or any other public Organization and if so, in which class and since when?	
7	No. of years of experience in the relevant field.	
8	Pan Card copy (copy mandatory).	
9	GST Certificate	

SCOPE OF WORK

1. PERFORMANCE / SPECIFICATION OF WORK The contractor has to perform following activities.

- a) Excavation
- b) Refiling
- c) Brickwork
- d) Plaster
- e) Concreting
- f) Waterproofing
- g) IPS
- h) PCC
- i) Fabrication
- j) Roofing

2. MATERIAL AT SITE

The contractor must ensure that all machinery, tools, etc. are removed from the site & kept in hidden places to avoid public view when not in use.

BILL OF QUANTITY

Sr. No.	Description	Unit	Rate (Rs.)
1	Opening out cracked surface in brick / stone masonry by making V notches of approx. 12mm x 12mm size, making them dust free by washing and drying and sealing the crack with Nitocote VF or equivalent including scaffolding etc. Complete.	R.M.	
2	Removing existing stone cladding without damaging the existing brick masonry wall including propping the adjacent area; if necessary; including stacking the materials as directed etc. complete.	Sq.mt.	
3	Stitching existing crack in masonry by way of providing 8mm tor steel pieces approx. 2'0" long including making chasing of 4" wide x 4" deep to accommodate the reinforcement, drilling to insert the ends of reinforcement covering with M15 concrete , curing, scaffolding etc. complete. (payment on per stitch basis)	No.	
4	Raking out the joints from the stone work upto 10mm depth cleaning it with water, wire brushing, providing and filling the joints with 1:2 cement mortar carefully (Pointing), including cleaning the excess mortar, curing, scaffolding etc. complete	Sq.mt.	
5	Dismantling existing brick masonry wall including plastering and other finishes in workman like manner and carting away the debris outside premises including necessary scaffolding, covering the machines as directed by engg. n.charge etc. Complete.	cu.mt.	
6	Providing and constructing 230 mm thick 1st class brick work in 1:6 cement mortar including mixing non shrink additive like conbex 100 / Intraplast N200, (full size brick) using sand screened through 4.75mm sieve including casting 100mm thick M20 Grade RCC patli with 3 tor 8mm dia. main bars and 6 dia. rings at 150 c/c at a vertical interval of 1m, ensuring that no joint thickness is more than 12mm thick including curing, scaffolding, raking out joints, prewetting of bricks, eyeing in existing brick work, applying hack-aid-plast at the junction of RCC and brick masonry etc. complete.	Cu.mt.	
7	Providing and constructing 115 mm thick 1st class brick work in 1:6 cement mortar including mixing non shrink additive like conbex 100 / Intraplast N200, (full size brick) using sand screened through 4.75mm sieve including casting 100mm thick M20 Grade RCC patli with 3 tor 8mm dia. main bars and 6 dia. rings at 150 c/c at a vertical interval of 1m, ensuring that no joint thickness is more than 12mm thick including curing, scaffolding, raking out joints, prewetting of bricks, keying in existing brick work, applying hack-aid-plast at the junction of RCC and brick masonry etc. complete. Do for 115 mm thk.	Sq.mt.	
8	Cleaning the external surface of walls using high pressure water jet, pressure more than 100 bars to remove algae, fungus growth, flakes of stones including double scaffolding, water, protection of window panes by covering the windows with FRP sheet or with 6mm plywood, covering the electrical cables, decorative and ornamental plaster with plastics or any suitable mat. etc. complete.	Sq.mt.	

9	Providing and applying approved silicon siloxane coating to existing external surface against fungus, moss growth including double scaffolding, curing, etc.complete as per manufacturer's specifications.	Sq.mt.	
10	Providing and fixing welded wire mesh (10 gauge) having 2" x 2" opening to the external walls as a matter of retrofitting including scaffolding etc complete.	Sq.mt.	
11	Curing by dry mix process as per IS 9012 (1978) to walls, ceiling or wherever required in M-25 grade mix with addition of 10 mm size aggregate 75 mm to 100 mm thick under pressure of 2.1 kg per sq.cm.including formwork double scaffolding ,preparing surface as per requirement etc. complete.	Sq.mt.	
12	Excavation for foundation in tiles, bedding concrete, rubble soling, earth soils, hard murrum with or without boulders of all types, soft rock, including removing the excavated materials and lift upto1.5 meters directed including dewatering manually/ mechanically preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete.	cu.mt.	
13	Providing and laying 230mm thick dry rubble soling including hand packing and thoroughly consolidating, compacting, filling the voids by chips etc. complete below raft in foundation as directed etc. complete.	Sq.mt.	
14	Providing and laying cement concrete M-15 grade for plinth protection work including and adding superplasticizer, non shrink material like comhex 100, centering, shuttering, mixing materials, scaffolding placing, vibrating, curing etc. complete.	cu.mt.	
15	Removing existing corrosion manually (where limitations for use of Copper slag blasting) / mechanically (by Copper Slag Blasting) in structural steel like plates, channels, angles, girders, insert plates, foundation bolts, expansion bolts anchor fastners, trusses, purlins etc. of various sizes as per drawings including cleaning, scaffolding etc. complete. (The said surface preparation includes application of "Rusticide SS" or equivalent to the structural steel members to remove the traces of rust.)	Sqmt	
16	Providing and applying coats of "SUNPUGUARD" high quality anticorrosive Two Component Polyurethane coating (a product of Sunanda Specialty Coatings) or equivalent brand approved by Engineer in charge to Structural Steel members at all heights & levels, including scaffolding etc.complete. (Corrosion of existing Structural steel surfaces shall be removed manually / mechanically as per requirement and after that primer coat of "Sunepoxy 358" or equivalent to be applied prior to application of the proposed 3 coats of "SUNPUGUARD" high quality anticorrosive Two Component Polyurethane coating.) <i>For application instructions of manufacturer's specifications shall be followed.</i>	Sqmt	
17	Providing, fabricating and erecting structural steel like plates, channels, angles, girders, insert plates, foundation bolts, expansion bolts anchor fastners etc. of various sizes as per drawings including cleaning, providing and applying 1 coat of polyurethane paint of approved brand externally and applying two coats of red oxide of approved brand internally, scaffolding etc. complete. (Part rate for the balance of final coat at some places of paint)	M.T.	

18	Providing, fabricating, erecting, hoisting and fixing in position structural steel work in rolled steel joints, channels, angles, tees, flats, plates, lattice members, built up / compound sections in columns, portals, girders, beams, bracings, trusses, purins, rafters, staircase, steps, hand-railings, walkway, cat ladder with cages, toe plates, side walling, trestles, Conveyor gantries, insert plates, foundation bolts, expansion bolts etc. including gusset plates, anchor plates etc., including site and shop fasteners, riveting, bolting, anchor fasteners etc. of various sizes including welding at shop or work site at all heights etc. including de-rusting, cleaning, scaffolding etc. complete. (The said surface preparation includes application of "Rusticide SS" or equivalent to the structural steel members to remove the traces of rust.) (Structural steel surfaces thus prepared; shall receive primer coat of "Sunepoxy 358" or equivalent before application of above said coats of "SUNPUGUARD".(All material supply is in contractor's scope including paints and grouting etc complete, as per manufacturer's specifications.	M.T.
19	Providing and fixing Hilti bolts (i.e. HRD Frame anchor) of 10 mm dia in existing brick masonry wall as per manufacturers specifications. The said bolts shall be fixed in bed block of size 200 mm x 200 mm x 200 mm cast with the use of microconcrete of approved brand. Place for bed blocks shall be made after taking cut in the existing masonry wall at desired location to the satisfaction of Engg - in - charge including scaffolding, filling the area properly with cement / non-shrink additives etc. complete. (Item of Microconcrete, grouting & making holes etc. shall be paid separately.)	Nos.
20	Making holes (of size 230 x 230 x 230 mm) in existing brick masonry wall so as to accommodate bed block of micro concrete including scaffolding etc. complete	Nos.
21	Supplying steel props on month hire basis including necessary fixtures (wooden runners 100mm x 100mm at top and Scantling 300mm x 300mm x 25mm, at bottom bracings etc.) to support structural member. The rate includes of transportation, loading & unloading etc. complete	Nos.
22	Removal & Re - fixing of the steel props as per requirement at desired location including necessary fixtures etc. complete	Nos.
23	Cutting down or removing existing R.C.C. slab, beams, chajjas etc at toilet blocks etc. carefully with mechanical cutters including cutting M.S./Tor bars and handing over reinforcement to the owner's store at site, demolishing existing cement concrete work at all heights/depths, demolishing existing cement concrete floor including floor finish / layers of raw material etc. complete and carting away unserviceable materials, debris outside plant premises & disposing within factory area including scaffolding etc. complete as directed by EIC.	Cu.mt.
24	Providing and laying cement concrete M -25 grade concrete in beams, brackets, pedestals etc. including providing and adding superplasticizer, nonshrink additive as per recommendations, centering, shuttering, mixing materials, scaffolding, placing, vibrating, curing etc. complete. (Small quantity of concrete may be permitted with batch mixing at site, as directed by EIC.)	Cu.mt.
25	Providing and laying cement concrete M - 30 grade concrete for slab including providing and adding superplasticizer, non shrink material like conbox 100, centering, shuttering, mixing materials, scaffolding placing, vibrating, curing etc. complete. (Small quantity of concrete may be permitted with batch mixing at site, as directed by EIC.)	Cu.mt.

26	Exposing existing RCC columns, beams, slabs, chajjas, R.C.C. fins, lintels, perdis etc. including plaster upto 6mm beyond main reinforcement carefully by means of chisel and hammer or mechanically including necessary double scaffolding. erecting horizontal platforms at working levels to collect the debris, propping with top and bottom runners as directed stacking the debris in the compound as directed and carting away the same outside the premises etc. complete	sq.mt.	
27	Removing existing corrosion manually/ mechanically in M.S./Tor bars by means of suitable light tapping, wire brushing mechanical grinder, washing and drying exposed surfaces, providing and applying 2 coats of approved rust passivator to exposed bar, scrapping reinforcing bars again and applying "Polyalk Fixoprime" or other approved brand including scaffolding etc. tying and fixing misplaced reinf. at required position by U clips, binding wires etc. complete (Measurement shall be given for exposed area of concrete).	sq.mt.	
28	Providing and fixing in position M.S./ TOR reinforcement of any dia. for R.C.C columns, beams, copings, pedestals, slabs, foundations etc. as per detailed drawings and schedules including cutting, bending, hooking the bars, binding with wires including drilling holes in the concrete for fixing reinforcement and filling the same with epoxy scaffolding as required including welding the new reinforcement with existing one as well as welding shear connectors for proper bonding between Structural Steel members & R.C.C.work, as required and directed etc. complete.	M.T.	
29	Injecting cement with conhex- 100/ intraplast N- 200gROUT into concrete work by suitable gun/ pump at required pressures by providing necessary scaffolding, drilling and inserting 12mm dia aluminium grouting multiperforated nipples upto 30mm to 40mm depth, using "M Seal around the nipple cutting of nipples after curing, cleaning etc. complete. (This item shall be paid on actual consumption of cement used in Kgs.)	kg.	
30	Injecting approved epoxy grout into concrete slab, stone masonry cracks, columns etc. by suitable gun/ pump at required pressures by providing necessary scaffolding, drilling and inserting 12mm dia brass grouting multiperforated nipples upto 30mm to 40mm depth, using M Seal around the nipple cutting of nipples after curing, cleaning etc. complete. (This item shall be paid on actual consumption of epoxy used in Kgs.)	kg.	
31	Repairing of damaged RCC members like columns, slabs, chajjas, fins, lintels, perdis, beams by "Polyalk EP" mortar including applying bonding coat of "Polyalk EP" in required proportion (as per manufacturer's recommendations) in layers. The rates shall be inclusive of necessary scaffolding, mixing polymer mortar in mixers, compacting mortars by hand held vibrators, curing etc. complete. (Use Polyalk EP: Cement :Quartz Sand in 1:5:15 proportion)		
31-A	(a) For Built up thickness of 15mm (incl.+5mm)	Sq.mt.	
31-B	(b) For Built up thickness of 30mm (incl.+5mm)	Sq.mt.	
32	Providing and fixing shear connectors of 12mm dia. for anchors and fasteners of length 100mm horizontal and 50mm depth in the concrete in vertical direction including drilling holes in concrete and dipping the pins in epoxy, scaffolding if necessary etc. complete.	Nos.	

33	Providing and laying micro concrete of approved brand in proportion 1:1 with metal No.1 including bonding coat of Polyalk EPor equivalent brand with cement in 1:1 proportion, mixing, waterproof shuttering, pouring, consolidating, scaffolding, curing etc. as per mfg.'s specifications. (The items shall be paid on actual consumption of micro concrete) Testing of micro concrete prior to use is necessary. The cost for the same shall be included in rates of finished items.	M.T.
34	Removing carefully existing plaster from walls including wall tiles, stones, marbles etc. stacking the same as directed and carting away the same outside the premises including double scaffolding, erecting horizontal platforms at working levels to collect the debris etc. complete.	
34-A	(a) Manually by means of Chiesel and hammer	Sq.mt.
34-B	(b) By mechanical means like cutters etc.	Sq.mt.
35	Providing and applying internal cement plaster 12mm thick in a single coat in C.M.of 1:5 with neeru/plain finish to concrete or brick surface in all positions including applying bonding coat of 'hack-aid-plast' at the junction of old plaster and new plaster, and to the existing R.C.C. members like slabs, beams, which are nortrowelled raking the joints upto 10mm deep including two legged scaffolding, curing etc. complete.	Sq.mt.
36	Providing and applying sand faced plaster 20mm thick in two coats manually / mechanically using approved screened sand in all positions including base coat of 12mm thick in CM 1:4 using approved brand of waterproofing compound at 1 Kg / cement bag and curing the same for not less than 3 day and keeping the surface of base coat rough to receive the sand face treatment upto 8mm thick in CM 1:3 sample of same shall be approved by the consultant finishing the surface by taking out small grains with waterproofing compound as directed and curing for minimum 14 days, double scaffolding, providing and applying bonding coat of hack-aid plast to the RCC members, providing groovesif any, providing and fixing fibre mesh at the junction of RCC members and brick masonry, covering the windowsat working level providing bands wherever required etc. complete (only river sand will be permitted. Washing of sand at site is required. Waste material / failed material	Sq.mt.
37	Providing and applying two coats of acrylic plastic emulsion paint of an approved make and colour as per manufacturers specifications to any surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge. etc as directed by Engineer-in-charge.	Sq.mt.
38	Providing and applying two coats of oil bound distemper of approved make and shade internally including preparing the surface, scaffolding etc. complete.	Sq.mt.
39	Providing and applying 2 coats of acrylic paint over one coat of snowcem to external face of approved brand and shade after 7 days curing over snowcem including scaffolding etc. complete. (This item includes removal of existing damaged / peccled paint. contractor shall make various options / schemes / patterns of colour on photographs for approval of the shade)	Sq.mt.

40	Providing & making core cutting on desired location of 6" to 24" dia in brick / stone masonry wall, slab of any thickness etc. Refilling the same with approved material as directed by engineer in-charge, working at any height including of necessary scaffolding, cleaning etc. complete. As directed by Engineer In-charge	Nos	
Part B- Water proofing work			
1	Removing carefully causing the least possible damage, existing floor tiles, stones, marbles including bedding material of any thickness etc. complete and stacking the same/carting away the same outside the premises as directed etc. complete.	Sq.mt.	
2	Providing & Fixing floor tiles, dado and skirting including providing and laying bedding of C.M. 1:5, grouting the joints with white/ colour cement as directed, curing, polishing etc. complete		
2-A	(A) Ceramic or Vitrified Tiles of (600 x 600)	sq.mt.	
2-B	(A) Ceramic or Vitrified Tiles of (300 x 300)	sq.mt.	
3	Removing the existing waterproofing layers from terrace carefully including tiles, brick bat coba, china mosaic I.P.S., tarfaling if any including vattas etc. complete, lowering down and stacking the debris in compound as directed and carting away the debris out side the premises etc. complete.	Sq.mt.	
4	Removing existing waterproofing layers from toilet blocks including removing existing nahani traps, Indian / European W.C.s with traps C.I. waste water / soil pipes including fittings and handover to client and dumping / spreading on site in the premises for filling low lying areas, carting away the debris outside the premises as directed by Engineer-in-charge etc. complete.	Sq.mt.	
5	Removing the existing IPS layer including vattas from chajja top by means of chisel and hammer including cleaning, necessary double scaffolding, stacking the debris as directed and carting away the same out side the premises etc. complete.	Sq.mt.	
6	Providing and laying 1:2:3 IPS 38 mm thick over chajja including false marks of 300 mm x 300 mm including providing and adding waterproofing compound as per manufacturer's recommendations including laying small brick bats at the junction of wall & chajja, curing by ponding, scaffolding etc. complete.	Sq.mt.	
7	Providing and laying waterproofing over flat terraces including cleaning, removing dust, dirt, patches of concrete mortar, brick bats etc. complete in the following manner:- (a) Make neat cement float with non-shrink additives over the slab to fill fine cracks. (b) Lay brick bat in 1:3 cement mortar of an average thickness of 125mm, including providing and adding waterproofing compound as per manufacturer's recommendations, (c) Lay 1:2:3 IPS 38mm thick rough finish including providing and adding waterproofing compound as per manufacturer's recommendations, curing by ponding, including providing and applying hack- and-pleat at the junction of old IPS & new IPS etc. complete.	Sq.mt.	
7 (a)	Providing and laying china mosaic tiles in plain pattern in cement mortar in 1: 3, including levelling, cleaning of joint, grouting of joints etc complete.	Sq.mt.	
8	Providing and laying waterproofing of bath, W.C. etc. including adding waterproofing compound about 1kg. / bag of cement of approved brand as follows:- Providing and applying internal cement plaster 12mm thick in a single	Sq.mt.	

	coat in C.M.of 1:5 with neccru/plain finish to concrete or brick surface in all positions including applying bonding coat of "hack-ald-plast" at the junction of old plaster and new plaster, and to the existing R.C.C. members like slabs, beams, which are not trowelled raking the joints upto 10mm deep including two leggedscaffolding, curing etc. complete. Sq.m 130.00 (a) Cleaning the exposed surface by wire brushing and washing.(b) Applying 2 coats of 'Polyalk WP'.(c) Laying brick bat coba average 100mm thick in cement mortar 1:3 with approved waterproofing compound, including vattas etc.complete. (d) Providing Indian patent stone flooring 38mm thick 1:2:3 with approved waterproofing compound etc. complete.		
9	Providing and fixing 8mm thick bison board paneled for external chajjas, weather sheds etc. including necessary brackets/ frame of 2" x 1" in M.S., fixtures with applying required paint, scaffolding, etc. complete.	Sq.mt.	
10	Covering up of existing windows by FRP non transparent sheets 1.5 mm thk. with proper frame work which can take care of falling debris and protect windows well as directed by Engineer in-charge etc. complete		
10-A	(a) Fixed sheet with screws	Sq.mt.	
10-B	(b) Vanishing blind (louvered type)	Sq.mt.	
11	Removing Rain water pipes of any size including necessary fittings, scaffolding etc. complete	R.M.	
12	Removing existing Cl/PVC/AC soil / waster water & vent pipes of any size including disconnecting existing connection, with necessary fittings, scaffolding etc. complete.	R.M.	
13	Removing existing G.I. pipes of any size including necessary fittings, scaffolding and stacking the same, including plugging existing connections and providing new connections at required locations as directed-etc. complete.	R.M.	
14	Removing carefully existing urinals including disconnecting existing connection including stackin the material or handing over to the client as directed etc. complete.	Nos.	
15	Removing carefully existing Orissa/ Indian/ European style W.C. pan including trap and stacking the same or handing over to the client as directed, carting away the same outside the premises etc. complete.	Nos.	
16	Removing carefully wash basin including removing fittings disconnecting the existing connections, stacking the material or handing over to the client as directed etc. complete.	Nos.	
17	Removing existing flushing tank including removing fittings, disconnecting the existing connections, stacking the material or handing over to the client as directed etc. complete.	Nos.	
18	Providing & fixing PVC soil / drain pipes including fittings like bends, tees, elbows, single Y, double Y, connector, vent cowls, including fixing PVC clamps, jointing with approved brand, fixing the pipes on walls with wooden holders / battens with necessary scaffolding etc. complete		
18-A	(a) 4" dia. soil pipe	R.M.	
18-C	(c) 2" dia vent pipe	R.M.	

19	Providing and fixing rain water PVC pipes 100 mm dia including fittings in position including filling joints with spun yarn soaked in neat cement slurry and cement mortar 1:2 with M.S. holder clamps of approved design of 32mm x 1.6mm flat pressed to shape and fixed as directed including making holes in parapet wall, scaffolding etc. complete	R.M.	
20	Repairing inspection chambers including chamber repair , plaster in C.M. 1: 3, minor fabrication to the cover as per direction of engineer-in-charge.		
20-A	(a) 450 x 900 mm	Nos.	
20-B	(b) 600 x 900 mm	Nos.	
21	Providing and fixing reinforced cement concrete cover of size 90 cm x 45 cm with frame over inspection chamber etc. complete.	Nos.	
22	Providing and fixing reinforced cement concrete cover of size 90 cm x 60 cm with frame over inspection chamber etc. complete.	Nos.	
23	Removing existing G.I./ AC/ Polycarbonate/ PVC/ Wired glass/ Aluminium sheets in roofing including all necessary fixtures, scaffolding and stacking the same as directed etc. complete	Sq.mt.	
24	Providing & fixing PPKIL sheet roofing accessories 0.50mm (+0.005 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18microns using self drilling/self tapping screws complete: Ridges plain	Sq.mt.	
25	Providing & fixing 2 mm thick membrane over newly provided precast galvanized steel sheets at all locations including making good bonding between sheets and membrane, finishing the membrane with silver color so as to match the same with the color of steel sheets etc complete.	Sq.mt.	
26	Removing existing A.C. sheet Gutter provided at roofs including all fixtures / fastenings etc complete.	R.M.	
27	Providing and fixing gutter (of size 230 mm wide & 150 mm deep) prepared by using 2mm thick aluminium sheet with necessary fixtures and accessories as per design and drawings etc.complete. Rate includes lead, lift, labour, material etc. complete in all respect.	R.M.	
28	Providing and fixing valley gutter of 2mm thick aluminium sheet with necessary fixtures and accessories as per design and drawings etc.complete. Rate includes lead, lift, labour, material etc. complete in all respect.	R.M.	
29	Removing existing doors and windows including frames, shutters causing least possible damage and handing over to the client including scaffolding etc. complete.	Nos.	
30	Removing existing plants growth on the external walls / in joints of wall by hack -saw including making openings in the wall upto about 50mm from the surface, removing the roots of the plants upto 50mm, filling the gaps with approved epoxy mortar including grouting with cement and non-shrink additive material, scaffolding etc. complete. (Grouting shall be paid separately)	Nos.	
31	Removing carefully existing false ceiling, including necessary frame work and scaffolding, lowering and stacking the same in compound as directed etc. complete	Sq.mt.	

32	Providing and fixing false ceiling of 12mm thick tubular Acoustic Armstrong of approved make, shape and sizes as per drawings including powder coated G.I. wall angle of 20mm x 20mm size, G.I. grid runners of size 20mm x 38mm at 600mm center to center both ways and suspended using G.I. wire 3mm wire including fixing using butterfly clips and fasteners including transporting, scaffolding all necessary labour and machinery, finishing etc. complete.	Sq.mt.
33	Removing existing M.S. Grills, RCC Jali, M.S. collapsible doors, M.S. Rolling shutters including scaffolding and stacking the same / handing over to the client etc. complete.	Sq.mt.
34 A	Providing and applying Polyalk WP coating to existing plaster or concrete surface as water proofing layer as per manufacturer's specifications etc. complete.	Sq.mt.
34 B	Providing and applying two coats of approved Flexi roof PU coat chemical by brush to the surface area, as per manufacturer's specification and directed by the Engineers.	Sqmt
35	Removing and refixing of FRP sheeting to cover and protect the doors and windows, off cement mortar residue or any other damages during repairs work, including all lead and lifts etc. complete & as directed by Engg In Charge etc. complete.	Sq.mt.
36	Providing and laying 2mm thick floor guard as per the sample issued including laying the sheets on floor tiles, fixing the sheets by means of masking tapes etc. complete. (Rate is inclusive of material plus labour cost for laying and other related contingencies.) (Please note once the sheets shall be laid, refixing due to misuse by other vendors or replacement of damaged sheets shall be charged extra. Also once the job of laying and fixing of sheets gets completed, removing the sheets and carting away the same as our property is being considered). (Removing the sheets is valid for a period of 120 days from the date the submission of quote) (Sheet size considered as per available in market and thickness as mentioned is 2 mm. Masking tape width considered as 50mm, for the quoted rate).	Sqmt
37	Providing and fixing granite stone of 18 to 20 mm thick for door & window frame/ dado/ window boxing etc. in C.M. 1:6 including filling joints with polymer base filler nosing the sharp edges wherever necessary, curing, etc. complete.	Rmt
38	Providing Mirror polishing to polished sahabad Stone for flooring including using all necessary stones and equipments cleaning, washing etc. complete for Skirting	Sqmt
39	Providing and constructing Gully trap of size 9" x 12 of grade 'A' with C.I. frame and cover including constructing brick masonry chamber in cement mortar 1:4 plaster externally and cement mortar plaster 1:3 internally smooth, curing etc. complete.	No
40	Providing and fixing 3" dia. outlet deep seal C.I. nahani trap fixed on cement concrete bedding including making holes in the walls, C.P. jalli over it etc. complete.	No
41	Providing & making 'Zari' in walls at any height of required width/thickness for electrical conduit, plumbing pipes etc. Including scaffolding, cleaning & finishing the surface as directed by engineer in-charge. -	Rmt
42	Providing & making arrangement of 'Corner Guard' in stainless steel of 4' length to protect the floor tiles etc. complete	Rmt

43	Repair & refixing existing doors & windows with necessary modifications and all accessories with frames/shutters etc. complete.	No	
44	Providing and fixing 24 mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59x24 mm and wall thickness 2 mm \pm 0.2 mm with inbuilt edging on both sides. The styles and rails mitered and joined 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 20x20 mm and 1 mm \pm 0.1 mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x24 mm and 2 mm \pm 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 \pm 0.1 mm wall thickness. The panels filled vertically and the bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, as per manufacturer's specification etc. complete as directed. (For W.C. and bathroom door shutter).	Sqmt	
45	Providing and fixing Indian teak wood window in partly glazed & partly paneled shutter as per existing design including necessary fittings, including cutting, fixing and plain transparent glass of approved make and thickness etc. complete.	Sqmt	
46	Providing & fixing white vitreous china water closet squatting pan (Indian type W.C. pan) of 580mm size with 100 mm sand cast iron P or S trap, 10 litre low level P.V.C. flushing cistern (of approved make) with fittings, C.I./M.S. brackets, 32 mm dia. flush pipe with fittings and clamps, overflow arrangement with specials and mosquito proof coupling of approved municipal design including painting of fittings and brackets, cutting and making good the walls & floors wherever required including all lead and lift etc.complete.	No	
47	Providing & fixing white vitreous china water closet squatting pan (European / Anglo Indian W.C. pan) of 580mm size with 100 mm sand cast iron P or S trap, 10 litre low level P.V.C. flushing cistern (of approved make) with fittings, C.I./M.S. brackets, 32 mm dia. flush pipe with fittings and clamps, overflow arrangement with specials and mosquito proof coupling of approved municipal design including painting of fittings and brackets, cutting and making good the walls & floors wherever required including all lead and lift etc.complete.	No	
48	Providing and applying first single coat of approved primer and two coats of synthetic enamel paint/fat oil paint of an approved make and colour as per manufacturer's specifications to surfaces specified below, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge.	Sqmt	

Sign and Seal of Applicant