

# PRICE BID

## PROPOSED REPAIR AND RETROFITTING WORK OF PODIUM SLAB AND PODIUM STILT AREA OF M-1, M-2, & S-TOWER AT SBI RESIDENTIAL COLONY, NERUL, NAVI MUMBAI.

Please Note Rates are included for-

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| 1 | A) The quoted rate should include cost of necessary scaffolding, staging, centring, shuttering etc. as required for execution of the job at any height and location including removal of same. The scaffolding should be erected and anchored into the concrete members with help of expandable bolts, which are to be cut as the scaffolding is removed, no wall is to be punctured, at no extra cost to the Bank. Rates shall also inclusive of providing and fixing MS/GI sheet with supporting frames to cordon off the area under operation/repairs including required tools and machinery etc. complete.   |
|   | B) Contractor has to make arrangements at his own cost to tie a safety net around the building so that loose plaster / concrete does not cause damage to the property or any human being.  |
|   | C) Contractor has to make arrangements at his own cost to cover entire external surface with Hessian cloth curtains so that not cause any damage to the existing near by building and even take care of dust control and also all the windows, glass panes, other openings are to be covered with tin sheets / 6mm plyboards and all the flooring are to be covered with ready protective plastic sheet and carefully removing them after completion of work.  |
|   | D) Providing all type of PPE ( Personal protective Equipment) to the workforce such as safety shoes, safety helmets, reflective safety jacket, full body safety harness, goggles, gloves, etc. complete for all types of workforce engaged on site for execution of the work.  |
|   | E) The quoted rate should include cost of necessary removing of existing floor surface of podium, Breaking of loose concrete, plaster and also include cost of lowering down the debris obtained from breaking and removing material and carting away outside the building compound upto the municipal dump site with necessary municipal permission with all lead and lift.   |
| 2 | Make:<br>1) Micro Concrete : BASF / Fosroc /Pidilite<br>2) Reday Mix Polymer Modified Mortar : BASF / Fosroc /Pidilite<br>3) Rust Remover : BASF / Fosroc /Pidilite<br>4) Anti-Corrosive Primer : BASF / Fosroc /Pidilite<br>5) Waterproofing Compound and admixture: BASF / Fosroc /Pidilite<br>6) Grouting & other chemical material: BASF / Fosroc /Pidilite<br>7) 53 Grade OPC Cement : ACC / Ultratech / Aditya Birla<br>8) Paint: Asian Paint, Berger, Nerolac paint   |
| 3 | All shuttering material used for concreting / RCC Work should be of good quality of using waterproof ply/Steel plates etc. to ensure smooth finish. The scope of work under the items includes execution of work at all heights and location including all shapes, curved walls etc. complete. In case there is bulging / minor honey combing is noticed after removal of shuttering, the contractor will have to rectify the work at his own cost. The decision as to what constitute minor honey combing is left to the Consultants and Engineer in charge. The contractor will be responsible for arranging "design of concrete mix" through approved Institute (any Government Body) at their own cost within the quoted rates only and will submit the report to Bank/Architect for approval. No extra payment shall be eligible on this account. Unless otherwise specified, only River Sand should be used. If the silt content is more than permissible limits, contractor will arrange washing of sand in rotary screw type washing machines within quoted rates and no extra payment shall be eligible for the same.   |
| 4 | The serviceable and unserviceable materials shall be stacked separately and properly in the designated place and to be stacked/stored at designated till the disposal / reuse of the same. The debris is to be carted outside the premises and disposed off at the Municipal Corporation designated place up to any lead, lift and level at his own cost.  |
| 5 | All the civil work has to be carried with Minimum 53 grade OPC cement and river sand of required fineness, which must be free from silt and other impurities. All the civil work, whether new or repair must be cured for at least 7 days. For all work, water to be use must be fresh and pure without any salinity and turbidity.  |
| 6 | The rates quoted for all the items of the BOQ shall include the following specifications: - (a) All the works are to be carried out at all heights and locations i.e. from Ground Floor of the building up to the Over Head Water Tank roof slab or Mumpity roof slab, as applicable.<br>(b) Providing & fixing temporary support arrangements such as Steel Props (Up to any number whenever and wherever as directed by the Architect/Consultant) to support the structure provisionally during repairs and structural works etc. and maintaining the props in position till required & as directed by the consultant including other safety elements such as bracings, steel angles, working platforms, plates etc., which shall be provided & considered in the quoted rates for the areas in the vicinity in adequate numbers as directed. All the civil & structural Repair works indicated hereinunder shall include all leads & lifts & working up to any heights, depths & levels.<br>(c) Rates shall be inclusive of all enabling works like all safety measures, scaffolding, labour camp, storages, godowns, all required permissions from local governing respective authorities to carry out works, all insurances, all licences, administration, all SHE related measures, security, watch and ward measures, barricades other than specified, traffic management, tree protection, property damage repairs, water, electricity, DG as per requirement, all tools, machineries, vehicles, etc complete.<br>(d) All rates should be inclusive of all loading, shifting, all leads, lifts, sorting, transportation, labours, tools, plants, machinery, etc. Complete. (e) All the above-mentioned points including the requisite elements & items as mentioned shall be considered included within the quoted rates of the line items of the BOQ and nothing extra would be paid on this account.<br>(e) It is contractor responsibility to take care of Bank's asset under the podium slab. If any damage to the Bank's asset observed due to execution of the work, the same has to be repaired by the Contractor at their own cost. Also, during the execution of the work, if any electrical cable realignment/removal required, in that case the contractor will arrange expert manpower for removal of cable and refixing the same after new bracket etc complete.<br>(f) The Contractor shall take all necessary and adequate measures to prevent and control the spread of dust and noise during the execution of the work. The Contractor shall ensure that the Ambient Air Quality Index (AQI) in and around the building area remains within the control. Further, the Contractor shall comply with all security instructions, guidelines, and protocols issued by the Security Department of SBI GITC for the colony from time to time.<br>(g) The Contractor shall make all necessary arrangements for providing and maintaining temporary services required during the execution of the work, including but not limited to temporary sewage lines, plumbing lines, water supply arrangements, and shifting or rerouting of existing electrical cables etc along with provision of new fixtures etc complete, wherever required at their own cost. |

| Sr. No. | Description of the item  | Unit | Quantity | Rate | Amount |
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|         | <b>STRUCTURAL POLYMER REPAIR (UPTO 10-30mm THICKNESS) :-</b><br>Removing carefully the old loose/damaged concrete/plaster on RCC columns, beams, Slab at all level including cleaning the site and carting away the debris outside the building compound upto the municipal dump yard with required municipal permission. Rates are inclusive of all lead and lift, scaffolding, jute kantan, safety net etc. complete as per the direction of Consulting Engineer / in-charge. Mode of Measurement in Sq.Mt. actual executed area will be measure.<br>APPROVED MAKE : BASF / Fosroc / Pedelite/Sika.<br>1. Carefully Removing loose rust from the reinforcement bars by wire brushing, light hammering etc. and applying sulphate and chloride free inorganic single component rust remover Rusticized as approved by Engineer in charge conforming to IS 9077. The rusted surface shall become blackish non rusted colour. After 24 hours of application of rust remover, loose particles shall be removed by brush. Again apply one more coat of Rusticide to exposed reinforcement bars. APPROVED MAKE : BASF / Fosroc / Pedelite/Sika.<br>2) R.I. Coat<br>Providing and applying Rust Inhibition Coat / system to exposed rebars & also new rebars complete. APPROVED MAKE : BASF / Fosroc / Pedelite/Sika. |      |          |      |        |

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| 1   | <p>3) Bond coat<br/>Providing and applying bonding coat slurry of high-performance acrylic polymer on entire surface with Mix of 1 Kg of acrylic polymer with 0.5 Kg of cement to all exposed concrete surface and rebars prior to application of polymer treatment complete. APPROVED MAKE : BASF / Fosroc / Pedelite/Sika.</p> <p>4) P.M.M. Finish it with ready to use polymer modified mortar based on special cements, aldehyde-based polymers with thixotropy modifying agents as approved by Engineer in charge (The Polymer Modified Mortar (PMM) should attain min. compressive strength of 20 N/mm<sup>2</sup> in 1 day and 30 N/mm<sup>2</sup> in 7 days) by adding 13-16% water by weight of polymer modified mortar for treatment to the damaged RCC members. Add 1 Kg of Migrating Corrosion Inhibiting Admixture as approved by Engineer in charge per 25 Kg bag of polymer modified mortar. After mixing polymer modified mortar, it can be trowel applied or sprayed. When applying by hand, polymer modified mortar must be forced tightly into the substrate to ensure complete contact with the substrate. Up to 15 mm thickness layer at a time will be apply as per the direction of Consulting Engineer / in charge.<br/>Mode of Measurement in Sq.Mt. actual executed area will be measure.<br/>APPROVED MAKE : BASF / Fosroc / Pedelite/Sika.<br/>Note:- No Saperate payment for Scaffolding Should be made for this item.</p>  | Sq.mt. | 965   | 1700 | ₹ 16,40,500.00 |
| 1.1 | <p><b>STRUCTURAL POLYMER REPAIR PROTECTION COAT (UPTO 10 mm THICKNESS) :-</b><br/>Removing carefully the old loose plaster on RCC columns, beams, Slab at all level including cleaning the site and carting away the debris outside the building compound upto the municipal dump yard with required municipal permission. Rates are inclusive of all lead and lift, scaffolding, jute kantan, safety net etc. complete as per the direction of Consulting Engineer / in-charge. Mode of Measurement in Sq.Mt. actual executed area will be measure.<br/>APPROVED MAKE : BASF / Fosroc / Pedelite/Sika.</p> <p>1) Bond coat<br/>Providing and applying bonding coat slurry of high-performance acrylic polymer on entire surface with Mix of 1 Kg of acrylic polymer with 0.5 Kg of cement to all exposed concrete surface and rebars prior to application of polymer treatment complete. APPROVED MAKE : BASF / Fosroc / Pedelite/Sika.</p> <p>2) P.M.M. Finish it with ready to use repair polymer modified mortar based on special cements, aldehyde-based polymers with thixotropy modifying agents as approved by Engineer in charge (The Polymer Modified Mortar (PMM) should attain min. compressive strength of 20 N/mm<sup>2</sup> in 1 day and 30 N/mm<sup>2</sup> in 7 days) by adding 13-16% water by weight of polymer modified mortar for treatment to the damaged RCC members. Add 1 Kg of Migrating Corrosion Inhibiting Admixture as approved by Engineer in charge per 25 Kg bag of polymer modified mortar. After mixing polymer modified mortar, it can be trowel applied or sprayed. When applying by hand, polymer modified mortar must be forced tightly into the substrate to ensure complete contact with the substrate. Up to 15 mm thickness layer at a time will be apply as per the direction of Consulting Engineer / in charge.<br/>Mode of Measurement in Sq.Mt. actual executed area will be measure.<br/>APPROVED MAKE : BASF / Fosroc / Pedelite/Sika.<br/>Note:- No Saperate payment for Scaffolding Should be made for this item.</p> | Sq.mt. | 50    | 500  | ₹ 25,000.00    |
| 2   | <p><b>MICRO CONCRETE: (For Damage more than 30 mm)</b><br/>Providing encasement to columns / beams /Pardi etc., with free flow high strength non-shrink micro concrete M - 35 of any approved brand. The water cement ratio should be maintained as per manufacturer's specifications to achieve dense solid mass. The Micro concrete shall be poured properly in slurry tight prefixed holding boards' formwork, fixed properly in line, level and in the required size/shape and well-oiled etc. The air bubbles, if any shall be removed by tapping the boards and removing the same after 24 hours, curing the micro-concrete thoroughly for 07 Days etc. complete. The rate shall be inclusive of shuttering, curing, bond coat etc. complete. (Excluding cost reinforcement) etc. complete as per the direction of Consulting Engineer / in charge.<br/>Mode of Measurement in KG actual executed QTY. will be Verify as per the material consumptions and qty. received on site as per gate entry. Rates are inclusive of Mechanically core cutting required for concreting if necessary.<br/>APPROVED MAKE : BASF / Fosroc / Sika</p>  | KG     | 60000 | 41   | ₹ 24,60,000.00 |
| 2.1 | <p><b>NEW REINFORCEMENT STEEL:</b><br/>Providing, fabricating, welding &amp; fixing steel reinforcement (Fe500) in existing damaged reinforcement in RCC as required Dia of approved brand i.e. TATA/SAIL/JSW or equivalent. For column, beams &amp; slab. Etc. including transporting the same to site, cutting, bending, tying at all heights and in all positions, providing concrete covers as required at any height etc. Rates to include MS/TS dowel pins /staple/shear connector etc. including drilling holes in concrete, and required adesive like Hilti etc and providing labour and materials for fixing the pins etc. Complete as per the direction of Consulting Engineer / in-charge.</p>  | Kg     | 1000  | 100  | ₹ 1,00,000.00  |
| 3   | <p><b>POLYUREA COATING:</b><br/>Carefully removing the existing flooring, waterproofing upto the slab top level including cleaning the site and carting away the debris outside the building compound upto the municipal dumping yard with required municipal permission. Rates are inclusive of all lead and lift, scaffolding, jute kantan, safety net etc. complete as per the direction of Consulting Engineer / in-charge.<br/>Providing &amp; Applying waterproofing treatment to podium floor surface areas by using polyurea primer one coat and applying of two component hybrid Polyurea waterproof coating in two coat perpendicular direction as per manufacturer's technical specifications. The coating should be applied to achieve the required thickness of minimum 2 mm in 2 coats after surface preparation like cleaning of loose particles with compressed air/washing and repair of damage slab top surface with ready mix PMM. After spray application of water proofing coat, provide a separation layer of 200 GSM non woven geo-textile membrane with horizontal/vertical lapping of minimum 100 mm thick so as to protect the WP coating . After the water proofing treatment is done ponding test on treated surface shall be carried out &amp; no separate payment shall be made for this.<br/>Rate including the provision of bond coat between the any two different surfaces and making of smooth surface with ready mix PMM as impervious layer on the existing slab. As per the site conditions to make existing surface smooth and damaged free surface, repair the existing slab by providing ready mix PMM treatment as impervious layer up to required thickness including the bond coat.<br/>APPROVED MAKE: Fosroc, BASF, Pidilite, Sika. Mode of Measurement in Sq.Mt. as per executed actual area will be measure. (10 Years Guarantee)</p>   | Sq.mt. | 5700  | 1720 | ₹ 98,04,000.00 |

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| 4 | <p><b>STAMP CONCRETE:</b><br/>Providing and laying Stamp Concrete of minimum 100 mm thickness at edges of downgrade slope with RMC M30 Grade unreinforced plain cement stamp concrete of minimum 100mm thickness pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate (natural sand/VSI grade finely wash Ed crushed sand) Confirming to IS383, as per mixed in a batching and mixing plant/nontilting mixer and weigh batcher as per approved mix design, admixtures, transporting to site, spreading, laying with approved make overcomposed and finished in a continuous operation, finishing to line sand grades Also Providing, Placing and applying stamp powder which is light fast UV resistant pigment with appropriate chemical compound so desired in combination of multiple colours on base concrete after excisable ed water has evaporate dusing dry shake method @5 kg per sqm. Including texturing, and covering with plastic sheet (min200 micro n thickness) and a supplying two coats of UV-stable, 30% solid sclear sealer @ 150 to 250 gm sper sqm using surface roller and protecting from falling dust, dirt and curing by curing compound/ by providing cement vata in cement Mortar 1:8@ 0.6mx0.6m centre to center, ad measuring 80mm at bottom and 40mm at top with depth of 75mm and maintaining the same through out curing period by any other method approved by Engineer incharge Rate including groove cutting &amp; filling of bitumen as required and applying top coat stamped concrete lacquer coating.<br/><b>Mode of Measurement in Sq.Mt. as per executed actual plan area will be measure.</b></p> | Sq.mt. | 5700    | 1600 | ₹ 91,20,000.00 |
| 5 | <p><b>INJECTION CEMENTIOUS GROUTING:</b><br/>Providing Grouting by specially prepared grout of approved make chemical with cement in proportion 1:3.5 (1 part chemical &amp; 3.5 part cement by weight) along with 50 ml super plasticizer non cracking antiwash high strength polymer cement grout P C grout available in bags or equivalent with proper water for injectable consistency and applying it in the body of structure like slab, beam, column, pillars, deckslab, retaining wall, basement, underground and elevated water storage reservoir concrete and brick wall, crack portion of structure etc. by injecting method, to achieve its original strength including drilling and nozzle of suitable diameter drills holes at 2 to 4 Nos. per sqm. using caps and nozzle grouting machinery necessary, scaffolding, finishing etc. complete as per the direction and approval of Consulting Engineer In-charge<br/>Rate Including with required fixing of Nozzle with required fixing material, drilling cleaning, cutting after grouting and packing of holes with approved filler etc complete.<br/><b>Mode of Measurement in KG (only Cement &amp; waterproofing compund weight) as per executed actual material consumption at site will be measure.</b><br/><b>2-4 Nos. nozzle for injection Grouting in every Sq.Mt. will be use as Per instruction of Consultant/Bank.</b><br/><b>APPROVED MAKE : BASF / Fosroc / Sunanda / Pidilite/Sika</b></p>   | KG     | 2850    | 382  | ₹ 10,88,700.00 |
| 6 | <p><b>EPOXY GROUTING:</b><br/>Providing and injecting High molecular weight Super low viscous (3 to 5 cps) 0.56 Kg./Cm2 Epoxy thermoset Resin Monopol (Krishna Conchem or equivalent) for Slab/Beam/Column in appropriate proportion as per manufacturer's specifications into cracks/ honeycomb area of concrete including drilling of holes minimum 50 mm in concrete, providing &amp; fixing nipples, injecting grout by suitable gun/pump at pressure of 1.0 to 2.0 Kg./Cm2 and subsequent cutting/removal of the nipple and sealing of the hole and groove after completion of grouting with cement/epoxy mortar as directed by the Engineer in-charge etc. complete. (Note for micro cracks)<br/>Rate Including with required Nozzle, drilling cleaning etc.<br/><b>Mode of Measurement in Nos. as per actual execution at site.</b><br/><b>4 Nos. in every ten Sq.Mt. epoxy grouting will be use or as per instruction of consultant/Bank.</b><br/><b>APPROVED MAKE : BASF / Fosroc / Sunanda / Pidilite</b></p>   | No.    | 2280    | 405  | ₹ 9,23,400.00  |
| 7 | <p><b>PU GROUTING:</b><br/>Providing and executing Polyurethane Injection grouting system to leakage points after cleaning the surface and remove any dust, unsound or contaminated material, plaster, oil, paint, grease, corrosion deposits or algae etc., fixing of packers for injection After fixing packer, injecting Nito fill WS60 which produces a rapid setting water stopping foam in running water, when the water is stopped the cracks are re-injected with Nito fill UR63- Solvent free two part polyurethane resin. Once grouting operation is completed remove the packers and make good any holes or voids with Renderoc SP 40 and allow curing etc. complete as per manufacturer's<br/><b>Mode of Measurement in Nos. as per actual execution at site.</b><br/><b>At Junction Area every one Meter Distance PU GROUTING will be use. including drilling of holes and fixing of nozzal.</b><br/><b>APPROVED MAKE : BASF / Fosroc /Pidilite</b></p>  | No.    | 560     | 1035 | ₹ 5,79,600.00  |
| 8 | <p><b>JUNCTION TREATMENT:</b><br/>Providing &amp; Fixing bird wired mesh/wired fabric (12.5mm x 24 SWG) in strips of 200 mm width or as required over junctions of concrete &amp; brick / block masonry or any other specified location at all heights including minimum 200mm overlap at all joints / junction prior to plastering, drilling, nailing etc. then Providing &amp; sealing separation cracks between RCC and brick work by cutting grove on both sides crack along the length by electrically operated groove cutter Breaking / removing plaster &amp; loose mortar (up to 75mm depth) in the area between two grooves by chiselling. Washing by drinking water to make it dust free surface. Hammering 10 to 20mm size aggregates in the crack as directed by the consultant. Sealing the crack with Ready mix polymer modified cementations Mortar 9 Up to 50mm depth in two layers all Complete as per the direction of Consulting Engineer / in-charge.<br/><b>Mode of Measurement in RMT as per actual execution at site.</b></p>  | Rmt    | 900.00  | 53   | ₹ 47,700.00    |
| 9 | <p><b>EXPANSION JOINT:-</b> Carefully Removing the all existing filled materials from the expansion joint area and after cleaning the surface fix backer rod of required size to make sure correct width to depth ratio of sealant at expansion joints having minimum density of 40 Kg/ m3 &amp; longitudinal tensile strength of 40 N/cm2 using required adhesive as required. The Diameter of Backer Rod Should be approximately 25 percent greater than the width of joint to ensure a tight fit. As per the direction of consulting engineer In-charge.<br/><b>Mode of Measurement in Rmt as per actual execution at site.</b><br/><b>Makes- BASF / Fosroc / Pidilite/ Sika</b></p>   | Rmt    | 1235.00 | 40   | ₹ 49,400.00    |

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| 10 | <p><b>Polysulphide sealant-</b> Providing and filling two component Polysulphide sealant as per the manufacturer specification of minimum size 50 mm x 50 mm. After drying of the sealant, provide and fix Non woven geo-textile membrane of 200GSM thick with required adhesive. At the time of laying Non woven geo-textile membrane provide minimum 100 mm horizontal and vertical over lapping. After that provide and fix minimum 200 mm wide Aluminium fluted strips of minimum 3.15 mm thick along the expansion joint with the provision of SS screws at every 600 mm zigzag pattern at both side of aluminium strips.</p> <p>Aluminium strips will be use as per the site conditons i.e. L shape or straight as required. Rate are inclusive of all new material, labour, transportation, wastes etc. If the size of the sealant change in downside, then rate will be reduce in same proportion.</p> <p><b>Mode of Measurement in RMT as per actual execution at site.</b><br/><b>APPROVED MAKE : BASF / Fosroc / Pidilite/ Sika</b></p>   | Rmt.   | 1235.00 | 3330 | ₹ 41,12,550.00 |
| 11 | <p><b>M: 20 Grade of Concrete- For Pedestal of fire pipe or any other work</b><br/>Providing and casting in situ/ready mix PCC of M20 grade of trap metal for coping to head walls/parapet or any other work as instructed by consultant/Bank including cantering, formwork, compaction and curing etc. Complete. (with reversible drum type mixer/concrete batch mix plant (panmixer) with fine aggregates of required specifications (Natural sand / VSI sand finely washed etc )</p> <p><b>Mode of Measurement in Cu.Mt. actual executed Volume / size will be measure.</b></p>   | Cu.mt. | 10.00   | 8748 | ₹ 87,480.00    |
| 12 | <p><b>FIXING OF RAIN WATER JALI AND SURROUNDING AREA OF JALI WATERPROOFING:</b><br/>Providing and fixing 4" Cast iron Rainwater Jali at specify location with all required civil and waterproofing work with proper coating and application of brick pieces along with cement mortar finishing up to required height to make leakage free surface as per the direction of Consulting Engineer / In-charge. Mode of measurement- No.</p>  | Nos.   | 80.00   | 2250 | ₹ 1,80,000.00  |
| 13 | <p><b>6" (160 mm) PVC Rainwater outlet pipe:</b><br/>Carefully cutting/removing the old damage/broken pipe and Providing and fixing new P.V.C. Rainwater pipes of 160 mm outer diameter and having wall thickness of 2.2 to 2.7mm confirming to I.S.13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, suchas, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25 mm to 40 mm from face of wall a fixing with SS clips of approved quality and One Number, filling the joint using rubber gas ket with solvent cement and properly resting the shoe of pipeson C.C.or masonry blocks,including necessary scaffolding and maintenance for 3yrs for any leakages or dislocations of pipes.All the P.V.C. fitting sand additional 2 piece socket clips shall be got approved from engineer in charge etc. complete. Mode of Measurement- Running length of new pipe will be measure for payment. Make- Prince, Astral, Supreme.</p>   | Rmt    | 75.00   | 1400 | ₹ 1,05,000.00  |
| 14 | <p><b>4 " (100mm ) PVC Rainwater outlet pipe:</b><br/>Carefully cutting/removing the old damage/broken pipe and Providing and fixing new P.V.C. Rainwater pipes of 110 mm outer diameter and having wall thickness of 2.2 to 2.7mm confirming to I.S.13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, suchas, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25 mm to 40 mm from face of wall a fixing with clips of approved quality and One Nuber, filling the joint using rubber gas ket with solvent cement and properly resting the shoe of pipeson C.C.or masonry blocks,including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes.All the P.V.C. fitting sand additional 2 piece socket clips shall be got approved from engineer in charge etc. complete. Mode of Measurement- Running length of new pipe will be measure for payment. Make- Prince, Astral, Supreme.</p>   | Rmt    | 270.00  | 540  | ₹ 1,45,800.00  |
| 15 | <p><b>100 mm BATH / KITCHEN PIPE:-</b><br/>Carefully cutting the old damage/broken pipe and Providing &amp; fixing new B class 100 mm PVC pipes of approved brand, with necessary fixtures and fitting and Sealing the Joints with lead with all required fittings like connector Y &amp; T and Nails, cutting holes in walls &amp; after fixing of pipe fill the gabda with waterproof compound etc. complete as per the direction and approval of Consulting Engineer In-charge. Mode of Measurement- Running length of new pipe will be measure for payment. Make- Prince, Astral, Supreme.</p>   | Rmt    | 85.00   | 745  | ₹ 63,325.00    |
| 16 | <p><b>STEEL FABRICATION:</b><br/>Carefully cutting the old damage/rusted/deteriorated existing steel member of Parapet Railing/MS entry Door/MS Frame/Truss/ or any other MS steel structural as per design provided by the Consultant/Bank and providing, fabricatting and fixing in position new Structural steel member with welding/Bolting in built up sections in any size shape as per instruction of the Consultant and applying 2 or more coats of approved synthetic enamel paint over a priming coat approved Zinc Oxide steel primer all complete. Rates includes welding, grinding, buffing, polishing and making curvature (wherever required) fixing the railing with necessary accessories &amp; fasteners, steel bolts etc. of required size with suitable arrangement as per approval of Engineer/Architect.<br/>Note : For payment purpose, weight of only new steel provided member will be taken. Rates are including of fixing of steel member in the concrete structure with new fixture as required as per instruction of the Consultant/Bank. Makes- TATA, JSW, SAIL, RINL. Weight of Hinges, Locking system, screws, bolts, fastner or any other fixture will not consider for payment.</p>  | Kg     | 2400.00 | 110  | ₹ 2,64,000.00  |
| 17 | <p><b>EXTERNAL SAND FACE PLASTER:</b><br/>Carefully Breaking of loose plaster by breaker machine or manually of any thickness at all levels &amp; Removing all debris, spalls, including cleaning the site and carting away the debris outside the building compound upto the municipal dump with required municipal permission &amp; all lead and lift, cleaning of exposed surface and Providing and applying sand face plaster externally in two coats including Dash Coat plaster in C:M. 1:4 upto required thickness to concrete or brick surface in all positions including racking out joints, curing etc complete using approved screened Gujarat river sand in all positions, including providing base coat of 15 mm thick in cement mortar 1:4 mixing with approved water proofing admixture conforming to IS 2645 and 6mm long polypropylene fibers conforming to ASTM C 1116 Type III in proportions recommended by the manufacturer specifications and curing the same for not less than three days and keeping the surface of base coat rough to receive the sand face treatment 8 mm thick of C. M 1:3 finishing the surface by taking out grains and curing for 7- 10 days, providing bands, drip moulds, grooves, finishing corners, etc complete as per instructions and directions of the Engineer-in-Charge.<br/>Phase of all repaired foundation shall be coated with DECKGAURD S (protective layer ) or approved equivalent mentioned in the tender document in 2 coats at the rate of 0.35 lt/ sq.m.<br/><b>Mode of Measurement in Sq.Mt. actual executed area will be measure.</b></p> | Sq.Mt. | 2630.00 | 820  | ₹ 21,56,600.00 |

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|----------------------|---|--------|----------|-----|-------------------------|
| 18                   | <p><b>WALL CARE PUTTY ON CEILING:</b><br/>Thoroughly cleaning all surfaces by Mechanically/Manually and removing all fungus / plantation/old paint, removing old caulk from the plaster surface, making the surface imperfections such as holes, dents, small visible cracks by filling using mixture &amp; Providing and applying Two coats of wall care Putty minimum 02 mm thick on plastered surface of Ceiling and Walls to prepare surface even and smooth of approved make, etc complete.<br/><b>Mode of Measurement in Sq.Mt. actual executed area will be measure.</b><br/><b>APPROVED MAKE : Birla / JK / JSW Paints</b></p>  | Sq.mt. | 6895.00  | 85  | ₹ 5,86,075.00           |
| 19                   | <p><b>CEILING PLASTIC PAINT :</b><br/>Thoroughly cleaning all surfaces by Mechanically/Manually and removing all fungus / plantation/old paint, removing old caulk from the plaster surface, making the surface imperfections such as holes, dents, small visible cracks by filling using mixture and Providing and applying first single coat of approved primer and two OR More 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 as required as per the site condition etc. complete as directed by Engineering- charge.<br/><b>Mode of Measurement in Sq.Mt. actual executed area will be measure. No additional factor to be consider for Payment.</b><br/><b>APPROVED MAKE : Asian Paint, Berger, Nerolac paint.</b></p>   | Sq.mt. | 6895.00  | 132 | ₹ 9,10,140.00           |
| 20                   | <p><b>EXTERNAL TEXTURE :</b><br/>Thoroughly cleaning all external wall surfaces by Mechanically/Manually and removing all fungus / plantation/old paint, removing old caulk from the plaster surface, making the surface imperfections such as holes, dents, small visible cracks by filling using mixture. Pre wetting of wall surfaces. Then apply one coat of base coat of paint then Mixing the product with clean water thoroughly with an electrical mixer for 3-5 minutes until the desired homogeneous paste is achieved so as to ensure that the mixture is free from lumps before use. Applying average minimum thickness of 1.5 of the homogeneous paste thus prepared on the plastered surface with a steel trowel so as to have the desired texture finish. All this works to be carried out in accordance with the manufacturer's specs and as per the direction and approval of Consulting Engineer In-charge.<br/><b>Mode of Measurement in Sq.Mt. actual executed area will be measure. No additional factor to be consider for Payment. APPROVED MAKE : Asian Paint, Berger, Nerolac paint.</b></p> | Sq.mt. | 10515.00 | 300 | ₹ 31,54,500.00          |
| 21                   | <p><b>EXTERIOR ELASTOMERIC BASED PAINT:</b><br/>Providing &amp; Applying over the texture one coat of base coat &amp; two or more coats of Elastomeric waterproofing base Paint of approved brand / shade at all heights and using as per the manufacturer's specifications, The factor for measurements shall be ONLY ONE on all surfaces such as sand face plaster (Old or New), Textured coating, smooth finish plaster, etc. complete as per the direction of Consulting Engineer / In-charge. Rate including all necessary preparation for painting work and cleaning the area after paint.<br/><b>Mode of Measurement in Sq.Mt. actual executed area will be measure. No additional factor to be consider for Payment.</b><br/><b>APPROVED MAKE : Asian Paint, Berger, Nerolac paint.</b></p>   | Sq.Mt. | 10515.00 | 280 | ₹ 29,44,200.00          |
| 22                   | <p><b>OIL PAINT :</b><br/>Removing old paint from steel and other metal surfaces by and making the surfaces, rust &amp; dust free with hand scrapping by polish paper or mechanically, etc than Providing and applying first single coat of approved primer and two or more coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to the steel surfaces at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting etc. complete as per the direction and approval of Consulting Engineer In-charge.<br/><b>Mode of Measurement in Sq.Mt. actual executed area will be measure. No additional factor to be consider for Payment.</b><br/><b>APPROVED MAKE : Asian Paint, Berger, Nerolac paint.</b></p>  | Sq.Mt. | 155.00   | 170 | ₹ 26,350.00             |
| <b>Sub Total (A)</b> |   |        |          |     | <b>₹ 4,05,74,320.00</b> |

**Additional item**

|   |   |        |     |      |        |
|---|---|--------|-----|------|--------|
| 1 | <p><b>THERMOPLASTIC PAINT:</b><br/>Providing and Laying hot applied thermoplastic road marking strip on pavement Surface of specified shade/colour of 2.5mm thick and 100 mm width including 1.5 Refractive index reflectorizing glass beads@250gm/sqm.Thickness of 2.5mm is exclusive of surface applied glass beads as per IRC 35:2015. Initial Dry reflectivity RL shall be&gt;250mcd/sqm/luxmea sure din the initial 7days and sustained reflectivity RL of 100 mcd /sqm/ luxand Qd of 100mcd/ sqm/luxmea sured at the end of 2years by means of a Standard Reflecto meter of Zehntner,Easylux,Delta make cap able of measuring RL &amp; QD both according to IRC 35:2015 clause 15.5.The finished surface to belevel,uniform,and free from streaks and holes complete as per direction of Engineer-in-charge and inaccordance with applicable specifications. (Refer MORTH Clause 803 for technical Specification and Performancefor IRC 35:2015). (Mode of measurement- Actual finished surface area to be measured as per instruction of engineer incharge.</p>  | Sq.mt. | 500 | 666  | 333000 |
| 2 | <p><b>ROAD SIGN BOARD Type I:</b><br/>Providing and fixing Mandatory/Regulatory sign boards in circular shape of 750mm dia made out of 4mm aluminum sheet bonded with white retro reflective sheeting of ClassB (Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive/ heat activated adhesive retro reflective specified background, border and back side retro reflective symbols,letters,numerals,arrowasperIRC:67-2012 TableNo8.3 Supported with back support frame 25mm x25mm x3mm, duly painted on back side with grey stovee namel paint and supported on one no.of M.S.angle iron post of size 65mmX 65mmX6mm, 3.45mlong, duly painted with with flat oil paint having alternate black and white bands of 25cm width including G.I.fixture setc;fixing the board sin M25 grade concrete block of size60cmX60cmX75cm including transport at ionetc;complete. ClassB(Type IV High intensity micro-prismatic grade sheeting-HIP) shall have 7years written warranty from the manufacturer andauthorised distributor/convertor issued for field performance including the screen printed a reasand cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate inoriginal should be submitted to the Engineer in charge by the contractor/supplier.</p> | No.    | 10  | 5993 | 59930  |

|   |  |     |     |      |                  |
|---|--|-----|-----|------|------------------|
| 3   | <b>ROAD SIGN BOARD Type-II:</b><br>Providing and fixing Cautionary/Warning sign boards in Equilateral Triangle size of 600 mm made out of 3 mm aluminum sheet bonded with white retroreflective sheeting of ClassB (Type IV High intensity micro-prismatic grade sheeting-HIP) having pressure sensitive/heat activated adhesive retro reflective specified background, border and back side retro reflective symbols, letters, numerals, arrow as per IRC:67-2012 Table No 8.3 Supported with back support frame 25mmx25mmx3mm, duly painted on back side with grey stove enamel paint and supported on of M.S. angle iron post of size 65mmX65mmX6mm, 3.45 m long, duly painted with flat oil paint having alternate black and white bands of 25cm width including G.I. fixtures etc; fixing the boards in M25 grade concrete block of size 60cmX60cmX75cm including transportation etc; complete. ClassB (Type IV High intensity micro-prismatic grade sheeting-HIP) shall have 7 years written warranty from the manufacturer and authorised distributor/convertor issued for field performance including the screen printed are as and cut-out sheeting and cut-out durable transparent overlay film and this warranty certificate in original should be submitted to the Engineer in charge by the contractor/supplier.<br>600 mm made out of 3mm aluminum composite material with 0.25 mm skin thickness on either side | No. | 10  | 4229 | 42290            |
| 4   | <b>CONVEX MIRROR:</b><br>Supply and installation of Convex Mirror (unbreakable) 32 inches or 800 mm with company fitting accessories Body (Acrylonitrile Butadiene Styrene ) ABS Mirror Polycarbonate with wall fitting pole as directed by engineer in charge.  | No. | 2   | 3500 | 7000             |
| 5   | Numbering of car parking with 150 mm height with synthetic enamel paint in any approved colour, style and pattern of approved colour etc. complete as directed by Engineer-in-charge. Mode of Measurement- No only if any parking number like 1003, it will be count one number.   | No. | 156 | 90   | 14040            |
| Sub Total (B)                                   |  |     |     |      | 442220           |
| Total   |  |     |     |      | ₹ 4,10,16,540.00 |
| <b>Rate quoted Below(-)/Above(+)/At PAR (%)</b> |  |     |     |      |                  |
| <b>Total Final Quoted Amount (Rs.)</b>          |  |     |     |      |                  |
| <b>GST Extra as Applicable</b>                  |  |     |     |      |                  |