

PART – B: PRICE BID

**TENDER FOR PROPOSED EXTERNAL REPAIRING, TERRACE WATERPROOFING AND PAINTING OF CAUVERY
BUILDING, OSHIWARA**

PREAMBLE

Note: The tenderer shall inspect the site before quoting the rates. It will be Bank's decision to execute all items, quantities mentioned in BOQ in part or may be cancelled completely, no claim shall be made for the same by the contractor. All works will be carried out as per instructions of Architect/Banks Engineer.

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| 1 | Scope of Work: The rates includes all labour, material, tools plant, equipment, transportation and necessary resources, providing and fixing of scaffolding to complete the civil repair works as per specifications , drawings and instruction provided by Architect/Banks Engineer. |
| 2 | Standards and Regulations: All work must comply with relevant local and national building codes, safety standards, and manufacturer guidelines. Workmanship must meet best industry practices and any specific standards referenced in the contract documents. |
| 3 | Contractor's Responsibilities: Contractor to arrange full time qualified experienced supervisor on site and regular site visits of contractor required to maintain quality of work. Contractor must attend personally site meeting called by Architect/ Banks Engineer. If not followed LD will be applicable as per condition of contract. |
| 3 | Specific Requirement's: The Serviceable and unserviceable materials shall be stacked separately and properly in the designated place and to be secured in safe custody till the disposal /refixing of the same. Sufficient manpower shall be provided for movement of occupant of the building and elements to be shifted reused and refixed, from one floor to another during execution. All the Civil work has to be carried with 53 grade OPC cement and river sand of required fineness which must be free from salt and other impurities. Proper curing of 7 days shall be performed to all civil work whether new or repair. Water used for construction must conform as per IS Code 456-2000. Ph should not be less than 6 and must be fresh and pure without any salinity to turbidity. |
| 4 | Quality Assurance and Control: All material shall conform to relevant Indian standards and specification. Approved brands and manufacturers shall be used unless otherwise specified. The Contractor shall submit samples for approval before bulk procurement. All works shall be subject to periodic inspections, testing and corrective actions. Any defective or non-conforming work must be rectified at the contractor's expense. |
| 5 | Execution: All work shall be carried out in a workman like manner to the satisfaction of material shall conform to relevant Indian standards and specification. Approved brands and manufacturers shall be used unless otherwise specified. The Contractor shall submit samples for approval before bulk procurement. |
| 6 | Safety and Environment: The Contractor shall ensure adequate safety measures and take responsibility for environment protection for Repair/Construction. All personnel must be properly trained and equipped with PPE such as safety shoes, safety helmets, reflective safety jacket, full body safety harness, goggles, gloves, etc Special care shall be taken to mitigate risks associated with working at heights, handling hazardous materials and using power tools. Providing and fixing safety net around the work so that loose plaster /concrete does not cause damage to the property or any human being, if necessary and removing the same after completion of work. Dust, noise and debris must be controlled to acceptable levels. Waste materials must be disposed of in accordance with local environmental regulations. Providing and covering entire external surface with Hessian cloth curtain so that not cause any damage to the existing structures near the building and even take care of dust control and carefully removing the same after completion of work. |
| 7 | General Notes: All debris and waste materials shall be cleared from the site on regular basis. Work shall be executed in a manner that minimizes disturbance to building occupants. The Contractor shall coordinate with clients/consultant regarding the sequence and methodology of work. 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 Mummy roof slab, as applicable. |

8	Formwork/Stagging Materials: Providing and fixing double scaffolding system (cup lock type) on the exterior side up to any height (entire height) of the building structure made out of 40 mm Dia M.S. tubes, 1.5 m centre to centre horizontal & vertical tubes joining with cup & lock system with M.S.tubes, M.S.tube Challies, M.S.Clamp and M.S.staircase system in the scaffolding including the working platform etc. and maintaining it in serviceable condition for the entire required duration as approved and directed by the Architect & removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connection with the building fascia etc. wherever required and including providing vertical supports which shall be sound and strong, tied together with horizontal steel/ metal support pieces over which scaffolding planks shall be fixed properly & secured at required locations including the essential safety features for the workmen etc, complete as per directions and approval of Architect or Engineer-in-charges. Note:- The scaffolding shall not be removed without prior approval of Architect or Engineer-in-charge. Providing and fixing temporary support arrangements Such as Steel props (Up to any number whenever and wherever as directed by the Architect) 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 here in under shall include all leads & lifts & working up to any heights depths & levels. Providing temporary plywood, 6mm thick covering to the existing glass panes of windows/ openings / doors/ windows; before starting of the repair works to avoid damage including the removal of the same after completion of the works, cleaning and making good to the local damages, if any etc. complete. The rate shall be also inclusive of temporary wooden partitions in 6mm thick plywood including ply door shutters at the desired locations wherever instructed including sealing joints with POP /masking tapes etc. complete.			
	Price:The prices quoted in the bill of quantities or Schedule of Rates shall be deemed to include all labour, materials, tools, equipment, transportation, scaffolding, safety measures, overheads, profit and all other incidental costs necessary for the complete execution of the work described, unless specifically stated otherwise. The Contractor is deemed to have visited the site, understood the scope and conditions, and included for any challenges related to access, phasing of work or working in an occupied building. No additional payment will be made for works considered necessary to complete the job in a proper and workman like manner, even if such works are not explicitly mentioned in the item description, provided they are reasonably inferable from the context.			
	Make:			
	1) Micro Concrete : BASF / Fosroc / Sika / Sunanda/ Pidilite or equivalent approved by Architect/Engineer			
	2) Polymer Modified Mortar : BASF / Fosroc / Sika / Sunanda/ Pidilite or equivalent approved by Architect/Engineer			
	3) Rust Remover : BASF / Fosroc / Sika / Sunanda / Pidilite or equivalent approved by Architect/Engineer			
	4) Anti-Corrosive Primer : BASF / Fosroc / Sika / Sunanda / Pidilite or equivalent approved by Architect/Engineer			
	5) Waterproofing Compound : BASF / Fosroc / Sika / Sunanda / Pidilite or equivalent approved by Architect/Engineer			
	6) 53 Grade OPC Cement : ACC / Ultratech / Lafarge/ Ambuja or equivalent approved by Architect/Engineer			
	7) All Types of Pipes: Supreme/ Prince/ Astral or equivalent approved by Architect/ Engineer.			
	8) All Types of Paints: Asian / Dulux / Nerolac / Berger or equivalent approved by Architect/Engineer			
	9) All Types of Tiles - Kajaria / Nitco / Pavit / My Tyles ore equivalent approved by Architect/Engineer			
	10) All Types of Paver Tiles / Blocks - Alcock / Vyara / Pavit / My Tyles ore equivalent approved by Architect/Engineer			

	Description	Qty.	Unit	Rate	Amount (Rs)
A	CIVIL REPAIR WORK				
1	TERRACE WATERPROOFING WORK				
	<u>Surface preparation:</u> Removing existing waterproofing coating from top terrace screed by mechanical means, including cleaning, grinding and pressure washing with water at a minimum working pressure of 1,400 psi to remove dust, dirt, laitance, loose particles and other foreign matter, complete as per specification and direction of Engineer-in-Charge. <u>Mode of measurement:</u> Plan area inside parapet wall will be measured.	920	SQM	90.00	82,800.00
2	<u>Waterproofing Treatment (Terrace and Parapet):</u> Providing and applying waterproofing treatment to horizontal RCC slab, including crack treatment, surface preparation and application of elastomeric polyurethane waterproofing membrane, complete as per specifications and directions of Engineer-in-Charge, detailed specifications as under: a) <u>Crack Treatment:</u> All visible hairline cracks on concrete roof surface, wider than 0.50 mm and not giving hollow sound, shall be cut and widened in V-shape using mechanical cutter (minimum width 6 mm). The cracks shall be cleaned thoroughly and filled with PU sealant such as Dr. Fixit PU Sealant / Fevaseal HY300 / or equivalent, with suitable bond, finished smooth with putty knife/trowel and allowed to cure for minimum 72 hours. b) <u>Waterproofing Membrane:</u> Providing and applying Dr. Fixit Wonderproof 100 or equivalent two-component, high-strength, fast curing, UV resistant hybrid polyurethane elastomeric waterproofing coating, conforming to EN 13251:2016, with minimum 25 years service life, having: i. Tensile strength ≥ 18 N/mm² (ASTM D2370) ii. Tear strength ≥ 160 N/mm (ASTM D624) iii. Dynamic crack bridging as per EN 13251:2016 with no cracks after 20000 sinusoidal cycles, dynamic crack bridging as per ASTM D1305-2016 iv. Low temperature flexibility up to -20°C after 1000 hrs. v. UV resistance > 85% after 1000 hrs (ASTM D1970-2021) vi. Shore A hardness > 85 (ASTM D2240) vii. Peel adhesion to concrete under wet condition ≥ 11.4 N after 24 hrs (ASTM C794) viii. Abrasion resistance < 17 mg loss (ASTM D4060, 1000 cycles, 1 kg) ix. Depth of water permeability - nil @ 10 Bar (as per EN 12390-8-2019) ix. Fire resistance Class A (EN 13501-1)				

	Description	Qty.	Unit	Rate	Amount (Rs)
	c) <u>Application Process</u>: Premixing of components A & B using electric double paddle mixer for 2–3 minutes at low speed. Apply first coat at a rate of 0.80–0.90 kg/sqm without dilution using lamb's wool or cloth roller. While wet, embedding 225 gsm fiberglass chopped strand mat ensuring proper bonding without air bubbles or wrinkles. After drying for 3–4 hours, once the surface is dry enough to walk on, apply second coat at a rate of 0.80 kg/sqm, at a 90° angle to the first coat. Overlap the chopped strand mat by at least 5 cm at the joints, ensuring the overlaps are sufficiently wet to achieve proper bonding. Apply additional coats as required to achieve a minimum dry film thickness of 900–1000 microns, with total material consumption approx. 1.60 kg/sqm over 2-3 undiluted coats. The waterproofing treatment shall be carried out over entire horizontal slab, including parapet walls, solar panel pedestals and rainwater drain sunken area and extended vertically to a minimum height of 300 mm above finished surface, including all joints, edges and upturns, as per manufacturer's specifications and methodology and as directed by Engineer-in-Charge. The rate includes cost of materials, labour, tools, scaffolding, safety measures, curing, testing, rectification, disposal of debris and all incidental works required for completion.	920	SQM	1,500.00	13,80,000.00
	d) <u>Testing</u>: After completion, ponding test shall be carried out by maintaining 75 mm depth of water for a minimum period of 14 days. Any defects noticed shall be rectified by the contractor at no extra cost. e) <u>Guarantee</u>: The contractor shall submit 10 years written waterproofing guarantee on requisite stamp paper. f) <u>Mode of Measurement</u>: Measurement shall be taken on the basis of actual surface area treated. Though the waterproofing treatment shall be carried out up to watta, rainwater drain sunken area, and solar panel pedestals, the measurement shall be restricted to the surface area of the slab and parapet walls only. Make: Dr. Fixit or equivalent approved in Asian Paints / Fosroc Note: The waterproofing work shall be carried out only through authorised applicators approved by the Original Manufacturer.				

	Description	Qty.	Unit	Rate	Amount (Rs)
3	EXTERNAL WATERPROOF PLASTERING Chipping off existing loose, disintegrated external plaster of any thickness from all affected areas at all height and location, including Chajja & Parapet Top as directed by Architect / Bank's Engineer with chisel and hammer (hammer weight not more than 2 kg), or mechanical chipper weighing not more than 5 kg. including removing plants along with roots and carting away unserviceable material / debris to a place approved by Municipal Corporation. Providing & applying external sponge finished waterproof plaster, in patches, of average 25mm thick plaster or more, matching with the existing plaster surface, in two or more coats at all heights & locations in line, level and plumb. First coat of plaster shall be about 12-15 mm thick with C.M. 1:4 finished with second coat 8-10 mm thick in C.M. 1:5 (cement & fine sand) including adding 1kg waterproofing compound and 1kg polypropylene fibre for 1bag of cement or as per manufacturer's specifications. The rate also include cleaning the surface with water jet, providing and fixing chicken wire mesh of gauge not less than 20 and opening of mesh not less than 2.5 sq.mm. over brick and concrete joints, providing and applying bonding agent between old and new surface, all prior to the application of plaster, curing for minimum 7 days, all types of scaffolding as applicable, safety net, green cloth etc. complete.	6535.00	SQM	950.00	62,08,250.00
4	INTERNAL PLASTERING Chipping off existing loose, disintegrated internal plaster of any thickness from all affected areas, at all height and location, as directed by Architect / Bank's Engineer with chisel and hammer (hammer weight not more than 2 kg), or mechanical chipper weighing not more than 5 kg carting away unserviceable material / debris to a place approved by Municipal Corporation. Providing and laying Internal plaster to internal wall and ceiling matching to existing plaster of any thickness in Patches in CM 1:4 to walls, matching with the existing plaster surface, including adding polypropylene fibre as per manufacturer's specifications. The rate also include cleaning the surface with water jet, providing and fixing chicken wire mesh of gauge not less than 20 and opening of mesh not less than 2.5 sq.mm. over brick and concrete joints, providing and applying bonding agent between old and new surface, all prior to the application of plaster, curing for minimum 7 days, all types of scaffolding as applicable, etc. complete.	665.00	SQM	700.00	4,65,500.00
5	HACK AID CHEMICAL AND DASH COAT PLASTER TO RCC SURFACE Providing and applying HACK AID chemical over RCC surface with dash coat 1:2 cement sand plaster. Complete as directed by Architect / banks Engineer.	1500.00	SQM	350.00	5,25,000.00

	Description	Qty.	Unit	Rate	Amount (Rs)
6	STRUCTURAL POLYMER REPAIR Note: following work shall only be executed after prior inspection of site and issue of specific order by Engineer-in-charge a) Removal of Rust - Providing & applying approved rust remover of approved make to the clean reinforcement bars & allowing it to react for specified time and cleaning the reinforcement of total rust by tapping or using mechanical wire brush or any other suitable way including from behind if possible and around the reinforcement bars to give it a totally rust free finished steel surface using suitable tools and equipment inclusive of Material, Manpower and Equipment. b. Passivator Coat on Reinforcement - Providing & applying the one component, polymer modified, cementitious anti-corrosive primer (having the technical parameters mentioned in material specifications) formulated to provide dual protection of a polymeric barrier and an integral corrosion-inhibiting system, to the existing steel and additional steel provided before patching of damaged areas, using suitable tools and equipment inclusive of Material, Manpower of Equipment using BASF approved make chemicals of Master Emaco P130/Fosroc Nito prime Zincrich/Sika Rust off 100 or other equipment. c. Bond Coat - Providing and application of bond coat on the concrete surface by mixing high dispersion SBR latex like MasterEmaco SBR2 of BASF or equivalent with white cement in the ratio of 2:3 The mixing should be done to a lump free consistency for the bond coat and the screed/ mortar should be applied once the bond coat is tacky. MasterEmaco SBR 2 of BASF or Nito bond SBR (Latex) of Fosroc or equivalent approved make. d. Polymer Modified Mortar (PMM) Treatment - Providing and repairing the damaged concrete portion with single component, fibre reinforced, dual shrinkage compensated, thixotropic, Cementitious patch repair mortar as per manufacture's specification in thickness of 12 mm to 50 mm both vertically & overhead depending on site condition in layers capable of applying 25mm thick layers initially by hand and finishing with trowel carefully compacting the same around the rebars and finishing to bring it in line with existing concrete surface inclusive of manpower, Material and Equipment. The approved brands are MasterEmaco S348 of BASF/Renderoc HB 60 of Fosroc/ Sikadur 41 of Sika or equivalent . The rate of the item is inclusive of chipping of loose concrete and its disposal away from the site. (The rate should be include item a, b, c, d)	1500.00	SQM	1,500.00	22,50,000.00

	Description	Qty.	Unit	Rate	Amount (Rs)
7	MICRO CONCRETE (TO BE EXECUTED FOR THICKNESS ABOVE 50 MM THICKNESS TO 75 MM AFTER INSPECTION OF ARCHITECT /BANKS ENGINEER)				
	a. Removal of Rust - Providing & applying approved rust remover of approved make to the clean reinforcement bars & allowing it to react for specified time and cleaning the reinforcement of total rust by tapping or using mechanical wire brush or any other suitable way including from behind if possible and around the reinforcement bars to give it a totally rust free finished steel surface using suitable tools and equipment inclusive of Material, Manpower and Equipment. b. Passivator Coat on Reinforcement - Providing & applying the one component, polymer modified, cementitious anti-corrosive primer (having the technical parameters mentioned in material specifications) formulated to provide dual protection of a polymeric barrier and an integral corrosion-inhibiting system, to the existing steel and additional steel provided before patching of damaged areas, using suitable tools and equipment inclusive of Material, Manpower of Equipment using BASF approved make chemicals of Master Emaco P130/Fosroc Nito prime Zincrich/Sika Rustoff 100 or other equipment. c. Bond Coat - Providing and application of bond coat on the concrete surface by mixing high dispersion SBR latex like MasterEmaco SBR2 of BASF or equivalent with white cement in the ratio of 2:3 The mixing should be done to a lump free consistency for the bond coat and the screed/ mortar should be applied once the bond coat is tacky. MasterEmaco SBR 2 of BASF or Nito bond SBR (Latex) of Fosroc or equivalent approved make. d. Micro Concrete - Providing and laying of 75 mm thk. prepacked dual shrinkage compensated polymer modified micro concrete like Master Emaco S346 of BASF /Renderoc LA55 of Fosroc/ Sikarep Microcrete -4 of sika or equivalent material, Pouring in narrow location for column, beam, slab. (Rate includes scaffolding, shuttering with the marine plywood/M.S. sheets/plates to be fixed in true line and level as required as per site condition. materials, labour etc. Measurement on the basis of actual consumption of micro concrete on square feet area) The rate is inclusive of chipping of the loose concrete and its disposal away from the site. (The rate should include 8a,b,c and 10) AVERAGE THICKNESS 75 MM	4000.00	KG	90.00	3,60,000.00

	Description	Qty.	Unit	Rate	Amount (Rs)
8	EPOXY GROUTING				
	Epoxy grouting for rebaring work by drilling in beam/slab/columns of required diameter 10mm/12mm/16mm. The drilling should be done 100 mm to 300 mm deep inside concrete surface of column/beam/slab at specified distance as per instructions from Architect/ structural Engineer/ banks engineer. Cleaning the drilled area with air jets before fixing reinforcement . Mixing the chemicals / epoxy grouting as per manufacturers instructions (locking using ' HILTI' or approved chemical) with pressure pump . Complete in all respect as per instructions from Architect/structural engineer/banks engineer. (Rate to include scaffolding)				
	(a) 16mm dia TMT Rebar Reinforcements	60.00	NOS	540.00	32,400.00
	(b) 12mm dia TMT Rebar Reinforcements	60.00	NOS	520.00	31,200.00
	(c) 10 mm dia TMT Rebar Reinforcements	80.00	NOS	500.00	40,000.00
9	REINFORCEMENT STEEL				
	Providing steel to RCC members like columns, beams, Staircase of different thickness wherever the existing steel is found corroded more than 50% of its original size with proper lapping and welding if required as per instructions of the structural consultant	1.50	MT	90,000.00	1,35,000.00
10	M25 CASTING RCC (WORK TO BE CARRIED OUT IF REQUIRED AFTER INSPECTION BY ARCHITECT/BANKS ENGINEER)				
	Casting RCC slab in M25 (1:1:2) including (Rate includes scaffolding, propping, shuttering in marine plywood/M.S. sheets/plates to be fixed in true line and level as required as per site condition. materials, labour etc.) The rate inclusive of providing and fixing necessary size of cover blocks, laying/pumping of concrete, compaction, finishing the formed surfaces with cement mortar 1:3 mix of avg. 12mm thick in single coat to give a smooth and even surface, curing etc. complete the work as per site conditions and instruction of Architect /Banks . (Excluding reinforcement and structural steel).	2.00	CUM	16,000.00	32,000.00
B	TILING WORK				
1	VITRIFIED TILES FOR LOBBY WALLS				
	Carefully removing existing floor tiles at any level and carting away the debris outside the premises to the Municipal dumping area, to any lift and lead. The rate is inclusive of loading, unloading and carting charges. The surface then needs to be cleaned to remove any loose gravel or other debris.				
	Providing and fixing in position Italian finished vitrified tiles of approved size and pattern , size 1200 mm x 600mm and 10mm thick of approved quality fixing the same in line, level and plumb as per design suggested by the Architect, in neat cement float not before finishing the wall in plaster 1:6 cement : sand mix and leaving it rough to receive the tiles.	300.00	SQM	1,700.00	5,10,000.00
	Basic rate of tile in approved design & pattern ₹ 1,200.00/Sq. Make: Kajaria, RAK, Simpolo, Somany				

	Description	Qty.	Unit	Rate	Amount (Rs)
2	VITRIFIED TILES FOR FLOORING FOR LIFT LOBBY				
	Carefully removing existing floor tiles at any level and carting away the debris outside the premises to the Municipal dumping area, to any lift and lead. The rate is inclusive of loading, unloading and carting charges. The surface then needs to be cleaned to remove any loose gravel or other debris.				
	Providing and laying in position nano polished matt finished / anti skid, double charged, Full Body Vitrified Tiles of size 1200 mm x 600mm and 10mm thick of approved quality, make and colour, uniformly laid in line, level and in design approved by the Architect, including laying of 1:6 cement sand mix of thickness not less than 12mm including filling the joints in white cement complete. Basic Rate of tile ₹1,000.00 sq.m Make: Kajaria, Somany, RAK and Nitco	200.00	SQM	1,500.00	3,00,000.00
3	Granite cladding for lift door: Providing and laying in position 20 mm thick ± 2 mm tolerance Jet Black or approved shade Granite, fixed with 20mm thick 1:4 cement plaster with neat water-proofing compound laid on rough plaster in proper line and level. Granite shall be mirror polish finish, best local source, on lift wall, including grouting of joints with matching colour pigment, including curing, moulding and mirror polishing to edges, site cleaning, scaffolding, etc. as per the specifications of the Architect/detailed drawings complete. (Basic Rate of Granite = Rs. 2400/sq.m including semi polish, delivery to site.) Special note : All stones to be slab cut and hand picked. All stones to be pre - sealed at all faces. Including all cut-outs for , switch boards, wall fittings, etc complete. No extras will be paid. Granite sample to be approved by client prior installation.	10.00	SQM	4,500.00	45,000.00
C	WATER SUPPLY AND DRAINAGE WORK				
1	PLUMBING LINE (VERTICAL DOWN TAKE/LOOP LINE)				
	Removing existing plumbing lines, from existing water tank, along the wall & at terrace level carefully up to the inlet joint without damaging the internal line. Providing, Laying cutting, jointing, fixing and Testing of SDR-11 Chlorinated Polyvinyl Chloride (CPVC) Pipes conforming to IS:15778, UV resistant, having thermal stability for hot & cold water supply, including all types of CPVC plain & brass treaded specials and fittings as per the requirement, jointing of pipes and fittings with one step CPVC solvent cement and by Teflon tape on threaded end etc. complete as per the manufacturer's specifications and as per the directions of the Engineer / Architect				
	The rates also includes providing & fixing PVC saddles at every 1.2 m c/c, ball valve of appropriate size with reducer at every floor inlet (internally/ externally) to facilitate servicing at any given time without disturbing the flow to other washrooms, wheel valves at terrace level, pressure reducing valves, etc. etc. Rate to be inclusive of scaffolding, etc complete. Make : Astral / Prince / Supreme or equivalent approved by SBI	260.00	RMT	345.00	89,700.00
a	25 mm Φ	380.00	RMT	450.00	1,71,000.00
b	32 mm Φ	570.00	RMT	550.00	3,13,500.00
c	40 mm Φ	220.00	RMT	900.00	1,98,000.00

	Description	Qty.	Unit	Rate	Amount (Rs)
d	50 mm Φ	220.00	RMT	1,800.00	3,96,000.00
e	75 mm Φ				-
2	DRAINAGE PIPES Removing existing drainage lines carefully up to the inlet joint without damaging the internal line. Providing, fixing, testing and commissioning in position SWR PVC Pipe Type - A (10 Kg/sq.cm) self fit-pipe conforming to IS:13592/ IS 14735 including all specials and fittings such as bends, junctions, 'Y's, inspection doors, offsets, vent cowl, access pieces / plugs, all jointing with PVC adhesive and checking it to be water tight including chase cutting, drilling holes and fixing pipes to wall, floor, slab firmly with necessary PVC supports (at 1.50 meter c/c), clamp, hangers, nuts, bolts, washers and making good the same etc. complete as directed by the Engineer-in-charge. Make: Astral / Supreme / Prince or equivalent approved by SBI				
a	100mm Φ Rain water line	210.00	RMT	480.00	1,00,800.00
b	100mm Φ WC Drain line	300.00	RMT	550.00	1,65,000.00
c	75mm Φ Bath line	370.00	RMT	350.00	1,29,500.00
d	50mm Φ Gas vent line	200.00	RMT	350.00	70,000.00
D	PAINTING AND FACADE WORK				
1	EXTERNAL PAINTING WITH HIGHER GRADED ELASTOMERIC PAINT & CRACK FILLING.				
	Preparing the existing surface by scrapping and rubbing with sandpaper to remove all loose adhered particles followed by washing with water using wire brush to ensure thorough cleaning.				
	a) Clean the entire surface with water pressure, remove the dust / fungus / loose particles etc. Open the visible cracks on the top surface in V groove, wash the entire treated surface & allow to dry up to 4 hours, apply bond coat & fill the cracks with a paste of Approved Crack filler Material or by Polymer, cement & water. Repairs of existing cracks at all heights and locations using 100% shrink-free crack filler paste for crack up to 10 mm wide by providing and applying single component of Repair Mortar of Sunanda/Rd. Fixit.				
	Providing and applying one coat of water based acrylic anti fungal Primer of approved quality and make.				
	b) Providing and applying one coat of fibre reinforced membrane paint water proofing Coat of "Protek Basecoat" of Asian or equivalent approved by the Architect/ Banks Engineer, superior anti-carbonation & water proofing property.				
	c) Providing and applying one coat of Fibre reinforced membrane paint water proofing Coat of " Protek Basecoat "of Asian/ "Weather coat long life Roof Guard "of Berger/ " Aqua Touch" of ICI or equivalent approved by the SBI having crack bridging ability up to 2.00 mm, superior anti-carbonation & water proofing property and as per the directions of Engineer / Architect.	6535.00	SQM	280.00	18,29,800.00

	Description	Qty.	Unit	Rate	Amount (Rs)
	d) Providing and applying 2 or more coats of approved quality External Acrylic Emulsion paint , Exterior grade having anti fungal property, resistance to dust & dirt accumulation, resistance to fading of colours etc. of approved colour and shade Apex Ultima (Asian) or equivalent approved in Dulux / Berger / Nerolac etc. complete as directed by the Architect / Engineer.				
	Note:- 1.The contractor should also obtain a warranty certificate for 10 years from the manufactures on their letter head for the work completed. 2. Rate including erection & removing of scaffolding and all safety precautions item as required at site.				
	Note: Rates to include cleaning afterwards, necessary double scaffolding/Cradle, debris safety netting, labour etc. and all heights complete. Make: Asian Paints Ultima Protek/ Berger Weather coat Long Life of approved equivalent.				
2	ACRYLIC EMULSION PAINT Providing and applying Interior Acrylic Emulsion paint in two or more coat of approved make and shade for interiors including scrapping the earlier treated surface with sand paper, applying priming coat and two coat of interior grade wall putty to ensure smooth surface as directed by the Engineer-in-charge. The rate shall be inclusive of necessary scaffolding etc. complete. The paints shall be of zero VOC level. Paint: Asian, Nerolac, Berger, Dulux Wall Putty: Birla White	948.00	SQM	150.00	1,42,200.00
3	SYNTHETIC ENAMEL PAINT Providing and applying Synthetic Enamel Paint on doors / windows frame, shutters, railing, grills, gates etc. in two or more coat of approved colour and shade over a priming coat including scrapping the earlier treated surface with sand paper, necessary scaffolding complete as directed by the Engineer-in-charge. The rate shall be inclusive of necessary scaffolding etc. complete. The paints shall be of zero VOC level. Paint: Asian, Nerolac, Berger, Dulux	880.00	SQM	180.00	1,58,400.00

	Description	Qty.	Unit	Rate	Amount (Rs)
E	Miscellaneous Items				
1	Poly Carbonate sheet over Main duct				
	Providing and fixing Roof skylight structure for atrium with 6mm thick Polycarbonate sheet multi (twin) wall fire retardant and ultra violet resistant with sealed open edges for sky light for approved shape like dome, pyramidal etc. Repairs to existing frame if any, Joints are properly sealed with sealant, screws with PVC cap, self tapping screws, EPDM rubber gasket.etc all complete as per specification, instruction of engineer in charge etc all complete. Design shall be as per Bank standard Drawing and Architects instructions.	45.00	SQM	4,500.00	2,02,500.00
2	Anti- Termite Treatment: Providing anti-termite treatment as specified to periphery of building and supplying chemical emulsion in sealed containers including delivery as specified: Chlorpyriphos/ Lindane emulsifiable concentrate of 20% (Make - Godrej/Hicare/PCI) with 5 Year Warranty	1000	Lit	250.00	2,50,000.00
				Total	1,66,13,550.00
SN	Description	Estimated Cost (₹)	Percentage above or below the estimated cost	% in Figures	Total Cost
1	TENDER FOR PROPOSED EXTERNAL REPAIRING, TERRACE WATERPROOFING AND PAINTING OF CAUVERY BUILDING, OSHIWARA	1,66,13,550.00	Select		-

Plus GST at applicable