

INDIAN BANK
CORPORATE OFFICE
PREMISES, ESTATE & EXPENDITURE DEPT
NO:254 – 260, AVVAI SHANMUGAM SALAI
ROYAPETTAH, CHENNAI – 600014
PH: 044-28134306/4401/4307

PART – 2 : PRICE BID

TENDER DOCUMENT FOR STRUCTURAL REPAIRS, RENOVATION, ELEVATION, PAINTING & RAMP
CONSTRUCTION WORK AT INDIAN BANK HEAD OFFICE BUILDING, NO-66, RAJAJI SALAI,
CHENNAI -600001

(This document contains 29 Pages)

CONTRACTOR'S SIGNATURE & SEAL



**STRUCTURAL REPAIRS, RENOVATION, ELEVATION AND PAINTING WORKS AND BASEMENT RAMP
 CONSTRUCTION WORK FOR INDIAN BANK, HO BUILDING, NO. 66, RAJAJI SALAI, CEHNNAL.**

SL NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
I	CIVIL WORK				
1	Providing and laying PLAIN CEMENT CONCRETE (PCC) for all depths below and upto plinth level in foundations, fillings, etc including shuttering,tamping,ramming,vibrating,curinge,etc.,all as specified in any shape,position,thickness and finishing the top surface rough or smooth as specified and directed all complete for concrete of nominal mix 1:4:8 by (weight Based mixer machine or M10 RMC) (1cement:4M sand:8 crushed aggregate) with 40mm and down size graded crushed stone aggregates, including all material cost,etc.,all complete.	Cum	120.00		



2	Providing and laying REINFORCED CEMENT CONCRETE M25 grade (350Kg/ cum) (weight Based mixer machine) using 20mm and down size graded crushed stone aggregates in SUB & SUPER STRUCTURE in foundation, Recwall, Plinth beam, suspended floors, slabs, beams, staircase landing, steps, headroom, facias, fins, moulding, gutters, ducts, brackets, chajjas with drip moulds, pedestals, posts, struts, equipments/machine foundation, ramps, etc., providing pockets, openings, recesses, chamfering, providing pvc cover block wherever required to give a smooth and even surface etc. all complete for all heights above the plinth level in any shape, position, thickness, etc. all complete as specified and directed. (Rate exclusive of cost of reinforcement and shuttering)	Cum	100.00		
3	Providing & fixing form work including centering, shuttering with Marine Pvc coated plywood and strutting and propping so as to give a rough finish for in-situ Reinforced cement concrete in Sub & Super Structure, foundation and plinth like footing, raft, basis of column, pipe supports, equipment foundations, Rcc wall, Slab, mass concrete etc. for all depths including removal of shuttering after the specified period is over and as directed by the engineer in charge. Complete with all materials labours consumable etc. (form work shall be supplied by the contractor and shall remain the property of the contractor)	Sqm	490.00		



4	Supplying, fabricating and placing in position HIGH STRENGTH DEFORMED STEEL BARS REINFORCEMENT of all sizes of dia for RCC work straightening, cleaning, decoiling, cutting, bending to required shapes and lengths as per details, binding wire of 16 SWG black soft annealed at every intersection, supplying and placing with proper pvc cover blocks, PVC role covering 19 to 21 gauge width 56" to 59", supports overlaps, welding spacers, fan hooks, etc. for all heights and depths etc., all complete as directed.	MT	18.00		
5	Providing and laying Autoclaved Aerated concrete Block work of thickness 200mm with cement mortar 1:5 (1 cement: 5 M sand) for all shape including the cost of materials, labour, scaffolding/staging, sampling and testing, cutting and laying the blocks, providing recesses, making opening of any shape and size, finishing the joints above ground level, sealing the gap between masonry and soffit of beam/slab, embedding the fittings and fixtures, curing etc., all complete as per specifications and as directed by the Architects.	Sqm	132.00		
6	Providing and laying Autoclaved Aerated concrete Block work Masonry of 100mm thick cement mortar 1:4 (1 cement : 4 M sand) in any shape , including the cost of labour, materials, scaffolding/ staging, sampling, and testing, cutting and laying of blocks providing and opening of any shape and size , raking out the joints, supplying and placing 2 Nos. 6mm dia . M.S. bars at every fourth course , sealing the gap between masonry and soffit of beam/slab , embedding the fittings and fixtures , curing etc . all complete as per specifications and as directed by the Architects.	Sqm	10.00		

7	Providing and laying Autoclaved Aerated concrete block in sunken portion of toilets with CM 1:5 including Material, Labour etc., complete. 150mm thk in layers to the required sunken depth.	Cum	223.00		
8	Providing and laying brick bats with mortar using broken bricks/ brick bats 25mm to 115mm size with 50% of cement mortar 1:5 (1 cement : 5 M sand) admixed with water proofing compound confirming to IS:2645 to the required sunken depth including Material, Labour etc., complete. and as directed	Cum	107.00		
9	Providing 12mm Thick PLAIN CEMENT PLASTER in internal walls of cement mortar 1:5(1 Cement : 5 Msand by volume) on masonry,PCC/RCC surfaces including preparation of base, cleaning, hacking of concrete surfaces,marking the button marks packing of electrical, plumbing works, Chicken mesh fixing, scaffolding, finishing, curing etc.for all heights and also including cost of cement etc complete., and as directed.	Sqm	517.00		
10	Providing 8mm THICK PLAIN CEMENT PLASTER in cement mortar 1:3 (1Cement:3 M sand by volume) on Roof Ceilings, concrete surfaces including preparation of base, cleaning, hacking of concrete surfaces, marking of button marks, packing of electrical, plumbing works, scaffolding, finishing, curing etc.for all heights and also including cost of cement etc complete., and as directed by the Architects	Sqm	400.00		
11	Demolishing brick/block work at all levels by manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material away from the site as per direction of Engineer-in-charge.				



	230 mm thickness Wall	Cum	525.00		
	100 mm thickness wall	Sqm	1050.00		
12	Demolishing R.C.C. work in all levels by manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material away from the site lead as per direction of Engineer-in-charge. Quoted Rate include mending good all damages.	Cum	300.00		
13	Dismantling RCC Members, Fins, Jolly in Elevation in all levels :- Dismantling RCC members & fins, Jolly works carefully of any size/shape, as directed, without damaging other parts of the building ,cutting /removing the steel bars, removing /carting away the debris, cleaning , etc. complete. (Due care shall be taken so as not to damage surroundings) Quoted Rate include mending good all damages.	Sqm	1150.00		
14	Dismantling the existing ceiling in Portico carefully of any size / shape, as directed, without damaging other parts of the building, cutting /removing the steel bars, removing /carting away the debris, cleaning , Panelling etc. complete. (Due care shall be taken so as not to damage surroundings)	Sqm	60.00		
15	Providing and Fixing MS grills confirming, bolting with metal frame works , making provisions for hinges, locking devices, other hardwares by machine cutting and providing 3mm thick M.S. pad plates at all areas of hardware fixation, welding etc. painting all metallic surfaces by two coats of synthetic enamel paint over red oxide zinc chromate primer) finishing etc , all complete.	Kg	500.00		

16	Providing and Fixing Anodised Aluminium work for windows & ventilators with appropriate Z Sections of approved make conforming to IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ neoprene felt etc. Aluminium sections shall be smooth rust free, straight, snap bedding for glazing/panelling, C.P. Stainless steel screws, all complete with 5.50 mm Glazing with PVC/neoprene gasket etc, complete.	Sqm	100.00		
17	Providing and fixing Anodised Aluminium ventilators with glazing with 5.5 mm white pinhead glass non transparent glass louvered etc with PVC/neoprene gasket etc. complete as per the architectural drawings.	Sqm	30.00		
18	Site cleaning and clearing the wastes complete in all aspects and removing it outside the site as per local body norms.	LS	1.00		
19	Providing and laying WATER PROOFING TREATMENT in sunken portion of toilets covering with CM 1:3 admixed with water proofing admixture/equivalent at the slab wall junction, cutout openings, corners, junction of pipes and masonry. Applying two coats of Brushbond RFX (acrylic polymer cementitious coating from water proofing material) on the sunken slab after proper surface preparation and pressure grouting if required. Water should be stored for atleast 7 days after waterproofing for testing. (Rate inclusive of all materials with drain spout.)	Sqm	330.00		



20	<p>Front Portico Water Proofing Treatment:</p> <p>a. Providing and laying WATER PROOFING TREATMENT coving with CM 1:3 admixed with water proofing admixture/equivalent) at the slab wall junction, cutout openings, corners, junction of pipes and masonry. Applying two coats of Brushbond RFX (acrylic polymer cementitious coating from water proofing material) on the sunken slab after proper surface preparation and pressure grouting if required.</p> <p>b. Providing and laying Light weigh block in Portico Terrace portion with CM 1:5 including Material, Labour etc., complete. 150mmthk in single layer to achieve the slope.</p> <p>c. Providing and laying pressed clay tiles (20 mm nominal thickness of approved size) with cement mortar 1:4 (1 cement : 4 M sand) mixed with 2% integral water proofing compound, laid over a bed of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished</p>	Sqm	40.00		
21	<p>Providing granolithic Vacuum dewatering flooring finish 75mm thick with plain cement concrete 1:2:4 using 10mm to 12mm hard broken stone jelly and finishing the top smooth with power trowel, threading and curing complete.</p>	Cum	70.00		



22	Earth work Excavation below ground level for all kinds of work in all types of soil soft rock as classified in specification for a depth up-to 3mtr. including removal of vegetation, shrubs and debris, cutting and dressing of sides in slopes, leveling, grading and ramming of bottoms, de-watering of accumulated water from any source and keeping the surface dry till the completion of subsequent works and disposal or stacking of excavated material within a lead of 50 mtr., as directed ;including providing temporary supports to existing service - lines like water pipes, sewerage, electric-cables, etc, all complete but excluding shoring and strutting.	Cum	376.00		
23	Providing and laying Shoring and Strutting work with necessary supports, Sand bags in the Walls, Roof & Excavated areas etc. complete	Sqm	300.00		
24	Supplying and filling in basement with approved Pit Sand brought from outside including watering and thoroughly consolidating complete to required depth in layers	Cum	125.00		
25	Supplying and filling in basement with Quarry Dust brought from outside including watering and thoroughly consolidating complete to required depth in layers	Cum	81.00		
26	Shifting and placing the Existing AC outdoor units as instructions given by the Architect/ engineer incharge. The cost inclusive of shifting and extending the cost of copper pipe & Drain pipe, new A/C Stand / Pedestal extra complete.	QRO	1.00		
27	Buy Back of Steel bars, Existing window and demolished materials, GI pipes, PVC pipes, sanitary items, Electrical wiring etc complete Rate Should be inclusive of GST 5%	LS	1.00		(-)

I. CIVIL WORK SUB TOTAL				
II ELEVATION WORK				
1	Supplying and fixing of MS sub structure system (ISMB, ISMC, Square, Rectangular sections, Base plate) shall be coated with PU paint. The steel will be Premixed with Epoxy Zinc Phosphate primer of 70 microns and finish with two coats of surface (PU) of 80 Microns. The work above include shifting and lifting of materials, all types of arrangements for necessary safety precautions at site. The cost inclusive of all works inclusive fasteners, welding, grinding, Painting etc, complete. at all levels above Ground level.	Kg	15000.00	
2	Aluminium Perforated Sheet Cladding			
2	Supply and Fixing NDD/MC-03/SDPC Aluminium Solid Perforated Sheet cladding in open joint system. Using grid work of prefabricated aluminium extruded sections of Alloy 6063 T6 with stand the design wind pressure confirming to IS -875 part III. The fastening brackets of Aluminium alloy 6063 T6 with serrations and serrated washers to arrest the wind load movement with SS 316 Pins, fasteners and anchor bolts of Hilti / Mungo / Powers or approved equivalent make. Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing in conjunction with BOQ. The design & pattern of the perforations shall be as per architect's detail The quoted rate inclusive of all Materials, support systems, fixtures screws, bolt & nuts etc to complete the work at all levels above Ground level.	Sqm	1090.00	



	<p>The system shall comprise of drain channel profile to support the panel hooking by means of Hooking arrangement mounted on the panel and pins fixed on the channel profile mullions. Panels shall have provision of restraint on top side of panel to prevent uplifting of panels due to wind pressure. The panel shall be designed for 15mm groove in horizontal & 15mm groove in verticals with open joint system. No sealant to be filled in the grooves.</p>				
	<p>Support System: The vertical mullion carrying the load of perforated sheet will be of 125 mm x 50mm x 2 mm frame work system will accommodate thermal movement . The support system will be Alodine finish.</p>				
	<p>Perforated sheet will be special sheet with labyrinth top and bottom returns to have easy with lock for open joint system. Perforated sheet will be of 3mm thick and finished with SDPC of confirming to AAMA 2605 on both sides . The sheet will be fixed to main frame with special stainless screws (NDD/MC-03/SDPC) with open groove as per Architect Intent .</p>				
	<p>System Description: Mullion : 125 mm x 50 mm x 2 mm special design mullion with rebate to accommodate perforated sheet (NDD/MC-03/SDPC)</p>				
	<p>Perforated Sheet : 3mm thick Aluminium Solid sheet Sheared and perforated and surface finish conforming to AAMA 2605 (NDD/MC-03/SDPC) Trial to be displayed & tested by the contractor</p>				
3	CORIAN CLADDING				

<p>Providing and fixing of Approved make (Colour: Glacier white) 12mm thick exterior corian cladding in approved colour and pattern or design as per the elevation. The corian cladding should be fixed to the Aluminium structural framing system. Joints to be filled with the sealant and buffed to match the shade of the corian board and adhesive. This Rate shall includes labour charges for fixing the Screen to the Frame work by using Aluminium Fixtures and Fastners of Hilti/Fischer or Self Tapping Screws as per approved shop drawings Corian Fabrication, cutting, pasting, sanding and polishing of Corian material, Adhesives of Corian for Jointing. A bud/cove joint to be provided at the internal corners while all external corners to be half rounded. Join the two panels of Corian with a matching Corian adhesive. Finish the joints between two sheets as per the procedure recommended by corian specification to give a inconspicuous seam on the wall. Make provisions for expansion joints as per Architects' instruction at Site, Silicon for pasting, all chemicals for Corian works, Hardware for Corian, fabricator, polisher, jointer.</p>	Sqm	900.00		
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<p>Installation: A frame work Grid of not more than 730mm x 650mm consisting of vertical Aluminum T /Box sections of dimensions section 989 shall be prepared over the entire surface of the Façade wall (Exterior cladding needs to be done). The Prepared panels are then put across the framework in such a way so as to have overlaps in top down and left-right directions. Check for alignments and finish minor glitches wherever remaining. Framing and Fixing should be of company specification. The quoted rate inclusive of all Materials inclusive of wastages, support systems, fixtures screws, bolt & nuts etc to complete the work at all levels above Ground level. Basic landing rate of Dupont or equivalent Corian is Rs.650/- per sft</p>			
<p>4 Supply & Installation of Hunter Douglas NBK Terra Cotta clay tiles</p>	<p>Sqm</p>	<p>300.00</p>	



	<p>NBK TERRART-LIGHT double-leaf, 18 mm thickness (Maximum Length: 1200 mm, Maximum Height: 300 mm), back ventilated, with self-draining open joint system. Tiles shall be of Standard Terracotta Color and finish. Double-leaf construction and have labyrinth top and bottom returns to prevent easy water excess behind tiles. NBK aluminum support system: Aluminum rectangular box of size 100mm width X 35mm depth and 30mm width X 25 mm Width, Minimum 1.2 mm thick with gaskets, tile clips and PVC Track for NBK Terra Cotta clay tile elements. The aluminum box system with gaskets, and tile clips, shall serve to support Terra Cotta Pure Natural Clay tiles and drain rainwater. Design system to accommodate thermal movement. NBK Terracotta tiles must be removable, without breakage or disruption to adjacent tiles. Tile clips must be concealed. Fastening devices: stainless steel screws, Anchor fasteners, nut & bolt all inclusive. The basic design of the aluminum support system for NBK TERRART-LIGHT 18 mm TILES and NBK TERRART-BAGUETTES must be based upon the open ventilated façade principle. The rate inclusive of all fixtures, screws, bolts & nuts, lead and lift etc complete.</p>				
5	<p>Providing and fixing dry cladding with Stainless steel clamp and screw 20mm thick Gang saw cut Granite stone with (machine cut edges) of uniform colour and sealing the joints with weber stone fixing Adhesive & Araldite as per design & pattern in Elevation given by the Architects inclusive of all works etc Completed Basic rate taken as Rs 200/sft. The rate quoted is inclusive of Fixing materials etc all complete</p>	Sqm	65.00		

6	Providing and fixing cladding 20mm thick Gang saw cut Granite stone (machine cut edges) with stone fixing Adhesive of uniform colour and sealing the joints with weber Adhesive & Araldite as per design & pattern in Elevation given by the Architects inclusive of all works etc Completed Basic rate taken as Rs 200/sft. The rate quoted is inclusive of Fixing materials etc all complete	Sqm	65.00		
7	Providing and Fixing Shera Plank in Elevation Uncoloured 8 mm thick of size 15 x 300 cm fixing with Pattern Overlapping/normal fixed with screws, bolts & Nut extra complete including One coat of Cement primer and two coats of paints as directed by the Architects. The rate inclusive of all Materials, Necessary fixtures etc to complete the work at all levels.	Sqm	50.00		
8	Supply and fixing Aluminum Composite Panels of external wall cladding tray type in combination of solid / metallic color including all necessary frame work and complete panel should consist of 3.0 mm thermoplastic core of Anti-toxic LDPE sandwiched making a total panel thickness of 4mm (0.50mm skin) .the surface will be furnished with pvd coating on topsides and service coating on reverse side would be in polyester paint. The system shall be fixed using (38mmx38mmx3mm) aluminum Rectangular box section for mullions and transom and galvanized steel bolts and nuts complete and all other necessary accessories. The bracket M.S support (50mmx50mmx3mm) shall be designed as per manufacturer's specification. Sealing shall be done, using weather sealant of Ultra-pruf from Boss 389. Rate inclusive of all necessary fixtures etc complete the work.	Sqm	60.00		



9	Supplying and fixing of LED sign board size 10 x 10 ft 3mm thk ACP back Ground, 3D Acrylic letters, side covered by 18 Gauge Stainless Steel Finish with Samsung LED lights and power supply. Logo size 8x7ft installed with existing perforated sheet with No. 10 ss screws. as shown in the Elevation.	LS	1.00		
10	Supplying and fixing False ceiling with 8mm Calcium Silicate Board with necessary fittings and painting with 24mm wide white powder coated channel and suitable downrod 4mm thk necessary hardware fittings. The board finish by Plastic Emulsion Paint of primer one coat and two coats of emulsion paint over two coats of putty with necessary fixtures and fittings etc complete.	Sqm	63.00		
II. ELEVATION WORK SUB TOTAL					
III	Painting work				
1	Applying two coats of 100% weatherproof Acrylic emulsion of Apex Ultima Protek (Base coat + Top coats) with weatherproof, ant algal, antifungal, DPUK and long shade fidelity Surface preparation for all surfaces like RCC/ Rough Plaster/Textured walls etc to be done as per recommended procedure like surface to be cleaned properly and coated with Acrylic exterior grade Primer of same make / company followed by two Coats of Apex Ultima Protek of desired shade etc, complete.	Sqm	7684.00		



2	Applying a trowel based texture coat of Acrylic modified resin and special quality quartz RoughTex Texture which is an intermediate coat. Surface preparation for all surfaces like RCC/ Rough Plaster/Textured walls etc to be done as per recommended procedure like surface to be cleaned properly, application of a coat of Acrylic exterior grade Primer followed by a coat of desired / recommended pattern of ROUGHTEXT texture followed by Acrylic exterior grade Primer and two Coats of Apex Ultima of desired shade.	Sqm	1921.00		
3	White Wash :- Providing & applying white wash in three coats of including primer , after necessary surface preparation over old/new surface , cleaning, scaffolding etc. complete. (In Side Duct)	Sqmt	2400.00		
4	Applying two Coats of 100% Acrylic Premium Emulsion with Washable properties and having a 'Dead Matt Finish" (of Asian Paints or Equivalent brands). Surface preparation for all surfaces like POP/Gypsum Plaster/RCC/ Rough Plaster/Textured walls etc to be done as per recommended procedure like surface to be cleaned properly, and leveled with two coats of Acrylic/Cement based Putty of same make / company and this should be sandwiched between two coats of Interior Acrylic Primer of same make / company In case of cement based putty, Primer to be used after putty application) followed by two Coats of Premium Emulsion of shade.	Sqm	650.00		
5	Providing and applying three or more coats (to give a even shade) to ceilings, WHITE DISTEMBERING with white cement, conforming to IS code, to give smooth and even shade including cleaning, preparation of surfaces etc., all complete. as per specification and as per Architects Instructions.	Sqm	775.00		
III. PAINTING WORK SUB TOTAL					

IV TILING WORK					
1	Demolishing Existing toilet wall dado work at all levels by manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material away from the site as per direction of Engineer-in-charge.	Sqm	1850.00		
2	Demolishing Existing Toilet flooring along with sunken filling at all levels by manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material away from the site as per direction of Engineer-in-charge.	Cum	203.00		
3	Providing and fixing coloured glazed tile of approved make as per design & pattern in dadding in size of tile 600 x 300 mm x 8 mm thick first quality approved make with a bed of 15mm mortar 1:3 (1 cement : 3 sand) in line and level, cleaning the finished surfaced including raking out the joints, flush pointing of joints of grout all complete at all heights as per specifications, and instructions colour and shade matching to the floor tiles as per choice of Architect. Basic landing rate taken as Rs 60/sft	Sqm	1850.00		



4	Providing and laying Mat finish floor tiles of 300mm x 300mm x 8 mm thick of matching to the above wall tiles as per design & pattern matt finished, colour, nonslip , approved make with bed of 20mm thick cement mortar 1:3 (1 cement : 3 sand) in line and level including cleaning the finished surfaces including skirting out the joints, flush pointing of joints of tiles with cement paste / grout mixed with colour pigments matching the shade of tiles, etc. at all heights as per specifications, standards and instructions, colour and shade as per choice of Architect. Basic landing rate taken as Rs 50/sft	Sqm	450.00		
5	Providing and laying Premium Quality Vitrified floor tiles of size 598mm x 598 mm x 10 mm of approved make as per design & pattern colour, first quality approved make with bed of 25mm thick cement mortar 1:3 (1 cement : 3 sand) in line and level including pop covering with the tiles cleaning the finished surfaces, flush pointing of joints of tiles with as per company grout matching the shade of tiles etc. at all and as per specifications, standards and instructions, colour and shade as per choice of Architect. rate and work inclusive of skirting. Basic landing rate is Rs 90/-	Sqm	150.00		
6	Providing and fixing 20mm thick Granite (polished and machine cut) for Platform top as per design & pattern first quality approved make with a bed of 15mm mortar 1:3 (1 cement : 3 sand) including pop covering, pointing with white cement mortar with an admixture of pigment to match the shade all complete at all heights as per specifications, and instructions colour and shade as per choice of Architect. Basic landing Rate is Rs. 125/- per Sft.	Sqm	15.00		

7	Providing and fixing 20mm thick Granite slab partition between Urinals as per the required sizes (450 mm x 900 mm) fixing with mortar, Adhesives with fixtures etc., complete. The quoted rate inclusive of breaking the wall to fix the granite slab, Mortar/Adhesive with necessary fixing accessories OR fixing with SS "U" Clamp and screws without cutting the tiles, etc - complete	Nos	25.00		
IV. TILING WORK SUB TOTAL					
V	PLUMBING WORK				
1	Removing carefully the existing CI pipe, GI pipe, PVC pipe, CPVC pipe of all sizes in wall and flooring at all levels in internal and External and mending good all damages as per the Engineer in charge	Rmt	700.00		
2	Supplying, laying, jointing, testing and commissioning approved make UPVC pipes class III 6 Kg/cm ² with solvent cement joints confirming to IS 4985 for external sewerage system pipelines laid below ground The quoted rate shall include necessary fittings viz., wye etc., complete.				
a	160mm Internal dia	Rmt	350.00		
3	Supplying, jointing, testing & Commissioning of approved make UPVC pipe SWR grade A confirming to IS 13592 with rubber ring joints for rain water disposal confirming to IS 5382. The quoted rate shall include necessary bends, shoes, supporting, M.S Brackets, G.I. Clamps, anchor fasteners, Grip bolts, nuts and bolts, GI suspenders, Scaffolding etc., complete.				
a	110 mm dia soil pipe	Rmt	500.00		

b	75 mm dia chamber vent pipe	Rmt	350.00		
4	Ball valve :- Providing & Fixing in position at all level with necessary fittings of ISI mark etc. complete.				
a	1.5" dia	No	15.00		
b	3/4" dia	No	150.00		
5	Providing & fixing of CPVC pipes confirming to ASTM standard including all CPVC fittings like tees, elbows, bends, unions, coupling, reducer tees, collars etc. The work shall include cutting jointing with solvent cement pressure testing the joints / pipeline for 10 kg/sq.cm hydraulic pressure, for 2 hours etc. making holes, including chasing in solid block masonry walls with groove cutting machine to required width and depth, making bores in walls, foundations and RCC slabs, making good the walls and bores in CC or CM 1:3 as applicable clearing the debris, grouting of concealed pipes, MS hooks for fixing pipes and making good the walls and floors.				
a	25mm dia	Rmt	300.00		
b	20mm dia	Rmt	150.00		
c	15mm dia	Rmt	200.00		
d	32mm dia	Rmt	100.00		
e	40mm dia	Rmt	100.00		



6	Providing and fixing of Astral CPVC Puddle Flange with necessary cement packing complete.				
a	40mm	Nos	6.00		
b	32mm	Nos	6.00		
c	25mm	Nos	6.00		
d	20 mm	Nos	6.00		
7	Supply, installing, testing and commissioning approved make white colour European water closet type with 32 mm dia Concealed flush valve. The quoted price shall include Slimline tank with ,colour plastic solid seat andcover with rubber buffers and flap, heavy duty plastic hinges,C.I. chair bracket etc., complete.	Nos	47.00		
EW C P/S TRAP					
	Make : Hindware White				
	Model : POPULAR/SLICK				
	Sleek Smart - PVC cistern				



8	Supply, installing, testing and commissioning of approved make 15mm CP health faucet including angle cock, bib cock with easy flexible tube 1.0m long, CP crutch, nozzle etc., complete.	Nos	50.00		
	Health faucet				
	Make : Jaquar Allied				
	Model No : ALD-CHR-565				
9	Supplying, installing, testing and commissioning approved make oval wash basin white colour fixed under counter with single hole 15mm Long body C.P. pillar Tap unit, 32mm dia CP waste coupling, 32mm dia C.P. bottle trap with C.P. extension pipe, 1 No. 15mm dia C.P. angle cock 1 No. C.P. flexible inlet connection pipe G.I. expansion bolts etc., complete including silicon sealant.	Nos	48.00		
	Make: Hindware				
	Model: Zen				
	Code: 10049				
	Pillar cock				
	Make : Jaquar Continental				
	Model No.: CON-CHR-021KN				
	Bottle trap: Jaquar ALD-769				
	Braided hose: Jaquar ALD-803B				



10	Supplying and fixing Urinal with necessary fittings etc. complete	Nos	25.00		
	Urinal Make: Hindware 60018 Ceramic Senso Urinal				
	Bottle trap: Jaquar ALD-769				
	Push cock - 077 Jaquar				
11	Supply, Fixing of approved make 15mm CP Bib Tap with necessary CP wall flanges etc., complete for bath area.	Nos	50.00		
	Make : Jaquar				
	Model : 5037				
12	Supply and Fixing of SS floor Gratings in Toilet inclusive of all work complete.	Nos	60.00		
13	Tank diversion :- Arranging temporary tank diversion at the time of execution of work so that the water flow will continue for the user department.	LS	1.00		
14	OH Tank CI cover :- Providing and Fixing medium duty CI cover (25kg) for fixing at overhead water tank etc complete.	Nos	2.00		
	V. PLUMBING WORK SUB TOTAL				
VI	STRUCTURAL STRENGTHENING WORK				



1	Steel Scaffolding :- Providing Fixing & erecting MS scaffolding at all heights & approach systems from outside of the Building to enable execution of all items of works as required complete with necessary supports Ties,Bracing system etc. complete for safe working with arrangement to arrest falling including dismantling the system as & when the work is over & carting away same.	Sqmt	2000.00		
2	Safety Platform :- Providing & making protection platform for safe movement of building occupants, pedestrians & vehicals by using M.S. pipes/ bamboos as runners & min. 10mm ply/G.I. sheet laid over runners at the directed locations & dismantling the same after completion of work etc. complete.,	Sqmt	200.00		
3	Vertical Net Covering :- Providing & fixing heavy quality non oven fabrics net having a sieve size not more than 1 mm on the outer scaffolding etc. complete.,	Sqmt	2000.00		
4	Horizontal safety net :- Providing & fixing heavy duty safety net made out of high quality nylon rope which can resisit and impact load of 1 ton. Etc. complete.,	Sqmt	2000.00		
5	Corrosion Treatment: Removing existing corrosion by means of wire brush on exposed surfaces, providing and applying Alkaline based Rust Converter RUST GUARD, ReArm Rust Converter (MYK SCOMBURG IND PVT LTD/MAKE-CONSTRACHEM INDIA PVT LTD / FOSROCC / SIKKA) in single coat by brush/clothover the exposed rusted reinforcement as per the manufacturer specifications and instructions.	Sqmt	300.00		

6	Ready to use thixotropic Polymer :- Clean and moisten the exposed surface of loose concrete. Applying one coat of WATER GUARD + WATER (1:1) ReArm BOND EBA (MYK SCOMBURG INDIA PVT LTD/MAKE-CONSTROCHEM INDIA PVT LTD/ FOSROC / SIKKA) as bonding agent and than apply ready to use REPAIR GUARD, REARMCRETE RM (MYK SCOMBURG INDIA PVT LTD) (MAKE-CONSTROCHEM INDIA PVT LTD) with Mixing of water in different layers up to 25 mm thick. Curing and cleaning etc complete.	Kg	600.00		
7	External Sand faced plaster :- Providing & Applying Sand faced cement plaster in two coats, using approved river sand, first coat of required thickness in C.M 1:4 with addition of approved waterproofing compound / plastisizer, finishing to line, level & plumb, etc. complete as per specifications. Second coat 12 mm thick in C.M. 1:3, finishing, cleaning, curing etc. complete.	Sqmt	300.00		
8	Micro Concrete :- Providing & pouring non shrinkable free flow rapid hardening readymix micro concrete STRUCTURE GUARD/ReArm Crete MC-M with required proportion of water as per manufacture specification with help of stirrer, etc. complete.(MAKE - MYK SCOMBURG INDIA PVT LTD)	Kg	10000.00		
9	Acrylic based polymer Bond Coat :- Providing and applying Acrylic bond coat for bonding between old and new concrete in ratio 1:1 (1 part of Cement and 1 part of Acrylic polymer) or as per manufacturers specification etc complete.	Sqmt	600		
10	Providing & Anchoring Hilti Grout :- Drilling holes with the help of Drilling machine, Providing & fixing reinforcement with the help of hilti / fisher's chemicals etc complete.	Nos	500.00		

11	Providing and wrapping carbon based fabric Silka wrap 450c / Tyfo - SCH-41 composite REARM SS CFRP 450 GSM (brochure for the equivalent product to be furnished by the contractor) around the outer surface for full height as per scope - Sqm	Sqmt	100.00		
	VI. STRUCTURAL STRENGTHENING WORK SUB TOTAL				
VII	Electrical Work:				
1	Supply and laying with inclusive of hardware clamps etc. on existing wall of following sizes of 1.1KV grade XLPE insulated armoured FRLS grade cable with aluminium conductor multistrand cable with ISI markings of approved make. Conduits and all accessories cost also included etc complete at all levels				
	4C x10 Sqmm Alu Ar XLPE	Rmt	200.00		
	3C x 2.5 Sqmm Cu.Ar Cable	Rmt	2600.00		



2	Supplying and Fixing of High quality IP65 flexible RGB/Warm or cool white LED Neon flex strip of 9W/m with unique co-extrusion technology. With Ultra bright RGB/Warm or cool white LED LED 120° beam angle for higher light transmission and high luminous flux. Anti-UV and UL recognized, V0 PVC material to minimize fire risk. With CE marking for product reliability. With 24V power supply unit with 8.33A output current to drive (for every 20m) the LED neon flex strip and with RGB signal amplifier (for every 40m) to boost the RGB signal to get high output till the end of the flex strip and with RGB LED controller with remote controller to get smooth RGB colour changing effect and 7 colour options to fulfil different requirements. The quoted cost should inclusive of all suitable mounting accessories etc complete to finish the work at all levels.	Rmt	825.00		
3	Supply and providing cable end termination for following sizes of 1.1KV grade XLPE insulated armoured FRLS grade aluminium conductor multi-strand cable with necessary gland sand jointing materials etc. all as per requirement.	Nos	6.00		
4	Supplying and fixing of 180W IP 68 flood light with special 60° beam angle lens suitable for facade lighting application. Luminaire made of high efficiency LED modules with 60W each, clear polycarbonate optical cover with 60° beam angle lens, high efficiency LED driver with Power factor ≥ 0.95 , THD $\leq 10\%$, rated life of L-70@50000 hrs with system lumen output \geq lumen and system luminous efficacy $\geq 19800\text{lm/W}$. The Luminaire shall have a CRI ≥ 80 . Complied to safety class I and with CE marking for the product. Provided with robust mounting bracket to facilitate proper aiming of the luminaire at desired angle. The quoted cost should inclusive of all suitable mounting accessories etc complete to finish the work.	Nos	9.00		
VII. ELECTRICAL WORK SUB TOTAL					

NAME OF WORK : STRUCTURAL REPAIRS, RENOVATION, ELEVATION, PAINTING & RAMP
CONSTRUCTION WORK AT INDIAN BANK HEAD OFFICE BUILDING, NO-66, RAJAJI SALAI,
CHENNAI -600001

ABSTRACT

S. NO	DESCRIPTION OF WORK	AMOUNT IN RS
I	CIVIL WORK	
II	ELEVATION WORK	
III	PAINTING WORK	
IV	TILING WORK	
V	PLUMBING WORK	
VI	STRUCTURAL STRENGTHENING WORK	
VII	ELECTRICAL WORK	
	SUB - TOTAL	
	GST @ _____ %	
	GRAND TOTAL	

Ruppes in words : _____ only



CONTRACTOR'S SIGNATURE & SEAL

