

PART -2

PRICE BID
FOR

"REPAIR, RENOVATION, RETROFITTING, PAINTING & CIVIL WORK OF EXTERIOR
FAÇADE OF
INDIAN BANK BUILDING AT 17, PARLIAMENT STREET, NEW DELHI-110001"

SL.No	DISCRIPTION	UNIT	Qty	Rate	AMOUNT
1	Dismantling, Demolition and Disposal of Debris				
1.1	OLD PLASTER/ DISMANTLING				
	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster upto all lifts, leads and disposal of malba to authorised Municipal Dumping ground as per direction of Engineer/Architect.	Sqm	2475.00		0
1.2	DEMOLISHING PCC 1:3:6 RICHER MIX				
	Demolishing cement concrete manually/ by mechanical means upto all lifts, leads and disposal of malba to authorised Municipal Dumping ground as per direction of Engineer/Architect.	Cum	5.50		0
	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
1.3	RCC DEMOLISHING				
	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars upto all lifts, leads and disposal of malba to authorised Municipal Dumping ground as per direction of Engineer/Architect.	Cum	22.00		0
1.4	Disposal of building rubbish / malba				
	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer/Architect, for all leads including all lifts involved (except above Sr. 1.1, 1.2 & 1.3)	Lump Sum	1.00		0
2	Temporary Structure, Access and Safety				
2.1	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer/Architect .The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding.	Sqm	3850.00		0
2.2	Providing, Installing suspended scaffolding (Gondola) for repair and painting work.	L.S.	1.00		0
2.3	Providing and installing of 0.55 mm Trapizoidal coated metal sheet with 50x50x6 mm angle section as protection screen. (to be repeated 4 times)	Kg	1760.00		0
2.4	Providing, erecting, maintaining and removing temporary protective screens made out of specified fabric with all necessary fixing arrangement to ensure that it remains in position for the work duration as required by Engineer/Architect. Woven PVC Cloth	Sqm	3850.00		0
2.5	Providing and fixing of temporary ply partition to cover the existing widows during the execution time with 12 mm laminated ply of approved make with necessary wooden structure to hold the same around the periphery of the window to cover the same. The rate includes installation and removal of the same including making the surface clean and good after execution of the work. Ply will be re-cycled for two times (i.e. 1+2 usage). (Note :- Cost of Ply has been calculated for repeated use upto 3 times (1st + 2 times repeat). Measurement shall be done for one time usage only. Cost to be quoted accordingly.	Sqm	220.00		0
3	Repair and Retrofitting Work				
3.1	NEW PLASTER				
	Upto 20 mm cement plaster with coarse sand on brick wall of mix : 1:4 (1 cement: 4 coarse sand)	Sqm	2475.00		0
3.2	STEEL REINFORCEMENT :-				
	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500 D or more. SAIL/Jindal/Tiscon	Kg	990.00		0
3.3	DESIGN MIX CONCRETE				
	Providing and laying in position machine batched and machine mixed design mix M-35 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer/Architect.(Note :- Cementitious content considered in this item is @ 330 kg/cum.).	Cum	5.50		0
3.4	FORM WORK				
	SHUTTERING:- Centering and shuttering including necessary strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform. with water proof ply 12 mm thick	Sqm	196.43		0
3.5	HALF BRICK WORK				

	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure. Cement mortar 1:3 (1 cement :3 coarse sand) including two numbers of 8 mm TMT bars at every 4th layer.	Sqm	110.00		0
3.6	9" BRICK WORK				
	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	1.10		0
3.7	STRUCTURAL REPAIR ITEMS				
	Providing and placing in position AP Smartcare Micro-concrete, which shall be cement based prepacked single component,with dual shrinkage Compensation chloride free, non-shrink, free flow, self compacting, ready to use after mixing water in specified proportion obtained from approved manufacturer as per specification and directions of Engineer/Architect (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding/tapping with a blunt metal instrument) Compressive Strength -50 MPA(ASTM C 109:99) Flexural Strength- 9.5MPA(ASTM C 580) Tensile Strength- 3.1 MPA(ASTM C 307)	Cum	5.50		0
3.8	Providing & fixing MS welded wire mesh size 25 x 25 and 2.4 mm, (with minimum 2.8 Kg/Sqm) thick inclusive of Shear anchors wherever required.	Sqm	1887.68		0
3.9	Polymer Modified Concrete (PMC)				
	Providing, arranging and applying of PMC (Polymer Modified Concrete) of Dura, D-345 cementitious powder mixed with water (Water/Powder ratio 0.14 to 0.16) (Polymer content not less than 5%) of min M-40 Grade, as per manufacturer's specification. The work includes, scrapping and preparation of sub base including applying of Epoxy bonding agent of Dura D-733 @ 400 Gms per Sqm, applying rust removal and Zinc Primer coating on reinforcement, curing, all complete as per the instruction of the Project-in-Charge. Minimum Strength will be M40. Make: Dura, Fosroc or Equivalent	Sqm	550.00		0
3.10	Replacing, cutting, shifting and providing new structural steel with necessary cutting,welding/rivetting including necessary Vermiculite coating on PU base, all complete as per the instruction of the Consultant	Kg	220.00		0
3.12	Polymer modified cement mortar (P.M.M)				
a	Providing and applying including Surface preparation with single component ready to use, Polymer Modified Mortar AP SMARTCAE REPAIR MORTAR capable of applying 25 mm thick in single layer and finishing with trowel,With following properties: Compressive Strength-38 Mpa (ASTM C 109 : 99) Flexural strength- 8Mpa(ASTM C 580) Tensile Strength- 2.5 MPA(ASTM C 307) with a bond coat : SBR POLYMER with solid content 40%-42% (@10% of cement weight) modified cementious bond coat @2.2kg cement/sqm of surface area mixed with specified proportion of AP SMARTCARE Repair Polymer, all complete as per direction of Engineer/Architect.	Sqm	550.00		0
	Reinforcement Cleaning :				

b	Providing & applying Alkaline Rust converting primer APCOREP RUSTREM in two coats conforming to ASTM-B-117 & ASTM-G-60-86 to exposed existing rebars after removing & cleaning loose rust by wire brush and leave it for 6-8 hours. The rust converter shall have a minimum pH of 7.5 and shall be able to convert both hematite and magnetite forms of rust shall pass 400 alternate immersion cycles in 3.5 % NaCl	Sqm	577.50		0
c	Providing and applying anti-corrosive coating APCOREP RUSTCOAT RB (CSIR/CBRI know how) in 2 coats with time interval of minimum 6 hours. The coating shall have ECorr value of -45 mV against SCE in 3.5 NaCl for 100 hours and electrochemical evaluation of max 0.5 mA /cm2. This coating shall be applied over APCOREP RUSTREM coated rebars.	Sqm	577.50		0
3.13	Providing, mixing and applying Apcorep Multi-Purpose Epoxy Compound in 1:1 (by weight) @approx 3-4 SQM/KG or as per manufactures specification whichever is high on chipped portion of RCC. Rate includes cost of cement & any/all other materials also. Note :Surface Area of concrete where the Bond Coat has been applied shall be measured for payment.	Sqm	1237.50		0
3.14	Providing and fixing chemical rebar's as per drawing/ site up to 32 mm dia & depth of Hilti/Fisher or equivalent. at all heights RCC member/ Beam Column wall as per EIC				
a	8 mm dia Reinforcement Steel, 10 mm dia hole with 80 mm embedment depth shear connector	Nos.	110.00		0
b	10 mm dia Reinforcement Steel, 12 mm dia hole with 100 mm embedment depth	Nos.	137.50		0
c	12 mm dia Reinforcement Steel, 14 mm dia hole with 120 mm embedment depth	Nos.	192.50		0
3.15	Tile on Window Cill : Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete. (Basic Cost of Tile Rs. 40/- per sqft.). Work also includes necessary base preparation and including stacking material within 50 metres lead. Thereafter job of disposing / removing the debris is also included in our scope of work. For thickness of tiles 10 mm to 25 mm	Sqm	770.00		0.00
4	External Plumbing and Sewer work				
4.1	CPVC Pipe				
	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer/Architect. Concealed work, including cutting chases and making good the walls etc.				
a	15 mm nominal outer dia Pipes	Rm	110.00		0
b	20 mm nominal outer dia Pipes	Rm	82.50		0
c	25 mm nominal outer dia Pipes	Rm	82.50		0
d	32 mm nominal outer dia Pipes	Rm	55.00		0
4.2	SOIL, WASTE AND VENT PIPES & FITTINGS				
	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
a	75 mm dia	Rm	247.50		0
b	110mm dia	Rm	220.00		0
4.3	Opening and cleaning open drains/underground drains repairing with plaster in 1:4 (1 cement : 4 coarse sand including neat cement punning, p.c.c as required , making smooth flow of drains complete in all respect as per direction of Engineer/Architect.	L.S	1.00		0
4.4	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse haunches of S.W. pipes including bed concrete as per standard design :				
a	100 mm diameter S.W. pipe	Rm	247.50		0
b	150 mm diameter S.W. pipe	Rm	220.00		0
c	200 mm diameter S.W. pipe	Rm	165.00		0
d	250 mm diameter S.W. pipe	Rm	110.00		0
e	300 mm diameter S.W. pipe	Rm	110.00		0

4.5	Constructing masonry Chamber 60x45x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for water meter complete with C.I. double flap surface box 400x200x200 mm (inside) with locking arrangement and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :				
a	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5 each 8300.25	Nos.	4.40		0.00
4.6	Providing, cleaning, repairing and re-plastering of the existing man holes to make it functional.	Nos.	11.00		0.00
4.7	Road Work				
a	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer/Architect.	Sqm	550.00		0
b	Providing and fixing in position precast kerb stone in required shape and design as approved by the Architect/Owner in cement concrete 1:2:4 (1 cement :2course sand :4grade stone aggregate 20mm nominal size) including shuttering, joining of edges and making grooves and opening for drainage and finish complete .	Rm	275.00		0
5	Painting Work				
5.1	Providing and applying of exterior grade paint on walls, ceilings, sides, parapet, edges, cornices, bases with Asian paint or approved equivalent. This includes cleaning and necessary preparation by scrapping, wire brushing etc to remove the algae, blisters, dirt and loose materials, flakes etc. complete as directed including Filling of cracks with crack filler up to 3mm Or Texture filler will be used as a crack filler if crack more than 3mm to 10mm. Touch up with Asian trade wall putty repair for finishing the edges wherever required.Application of one coat of Asian smartcare damp proof as a primer Application of one coat of pebble texture. Application of Two or more coats of Asian Paints Apex ultima protek Suprema paint (Warranty 10 years)	Sqm	2475.00		0
5.2	Enamel Paint: Sanding of the Surface, One or more Coats of Asian Smartcare High Performance Redoxide Metal Primer.One or more Coats synthetic Apcolite Premium Gloss Enamel Suprema	Sqm	4400.00		0.00
TOTAL COST OF WORKS (EXCLUDING GST)					-
*Note - GST as applicable					