

# **PART – II**

## **FINANCIAL BID**

(TO BE PLACED IN SEPARATE COVER)

### **NAME OF WORK**

**SELECTION OF CONTRACTOR FOR COMPREHENSIVE CIVIL REPAIR WORK AT  
BANK OWNED BUILDING AT PLOT NO. 90, MIDC, 7<sup>th</sup> STREET ANDHERI(EAST)  
MUMBAI.**

### **TENDER ISSUED BY**

**GENERAL ADMINISTRATION SECTION, CIRCLE OFFICE, MUMBAI  
CANARA BANK BUILDING, 'B' WING, 2ND FLOOR, C-14, G-BLOCK, BANDRA  
KURLA COMPLEX, BANDRA (EAST), MUMBAI – 400 051.**

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**ABSTRACT :**

**NAME OF WORK :** External Civil and Structural Repair Works of Canara Bank's owned Building at Plot No. 90, MIDC, 7th Street, Andheri East, Mumbai.

SL. NO.	ITEM OF WORK	TOTAL QUOTED AMOUNT
1	PART - A : EXTERNAL & INTERNAL COMMON AREAS REPAIR WORKS, WATERPROOFING WORKS, PLUMBING WORKS, PAINTING WORKS, EXTERNAL GLASS FACADE / MARBLE FACADE & ACP PANELLING REPAIR WORKS (IN PATCH), PLINTH & BASEMENT WATERPROOFING	
2	PART - B :- TOTAL INTERNAL WASHROOMS & PANTRY RENOVATION WORKS	
3	PART - C : PAVEMENT REPAIR WORKS:	
	<b>GRAND TOTAL RS. (PART - A+ PART-B + PART-C)</b>	

**NOTE ; PLEASE QUOTE YOUR RATE EXCLUSIVE OF GST. GST WILL BE PAYABLE EXTRA AS APPLICABLE.**

(Amount in words : Rupees .....)

Confidential

**SIGNATURE OF CONTRACTOR WITH SEAL**

SCHEDULE :

NAME OF CONTRACTOR :

Name of work - External Civil and Structural Repair Works of Canara Bank's owned Building at Plot No. 90, MIDC, 7th Street, Andheri East, Mumbai.

**PART - A : EXTERNAL & INTERNAL COMMON AREAS REPAIR WORKS, WATERPROOFING WORKS, PLUMBING WORKS, PAINTING WORKS, EXTERNAL GLASS FACADE / MARBLE FACADE & ACP PANNELLING REPAIR WORKS (IN PATCH), PLINTH & BASEMENT WATERPROOFING & PLINTH REPAIR WORKS: Schedule of Quantities, "SARJU HOUSE"**

Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
<b>A</b>	<b>PREPARATORY ITEMS</b>					
1	<b>ERECTION OF THE METAL SCAFFOLDING ON THE EXTERNAL WALL AREAS:</b> Providing and erecting two legged metal tubular scaffolding (cup lock type) of width 1200 to 1500mm largely free standing using H frames of tubular pipes of minimum 40mm diameter, with base plates fixed or adjustable with necessary clamps, couplers, brackets for projections, joint pins, pulleys and other accessories including steel angle or tubular pipe bracings at adequate intervals, access platforms of metal or timber planks of span not exceeding 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube chalis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work including provision of rubber inserts to pipe ends at point of contact with structure to avoid damage, including ccess ladders with intermediate platforms. the scaffolding to be suitably braced and anchored to to the building using support systems created temporarily at the opening in walls using verticl and horizontal adjustable props on the exterior side of building structure, upto 25 metre height, above ground level . The rate	QRO	Per Sqm Meter			
2	<b>PROVIDING TEMPORARY WOODEN PLATFORM ON THE ROAD SIDE OF THE BUILDING:</b> Providing and laying Bamboo matting as required on site and is directed for weather shed chajja (b) Bamboo matting Double Bamboo Mats shall be provided and flat area covered by - double matting shall be measured separately.	280.00	Per Sqm Meter			
3	<b>PROVIDING AND COVERING WITH HESATIN CLOTH TO PREVENT THE DEBRIS FROM FALLING:</b> Fibre glass cloth (Plain 110 GSM) Style 110	3050.00	Per Sqm Meter			



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Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
4	<b>PROVIDING AND COVERING WITH SAFETY NETS TO PREVENT THE DEBRIS FROM FALLING:</b> Providing and installing Nylon net for protection from Birds entry in Entrance Lobby	175.00	Per Sqm Meter			
5	<b>REMOVING &amp; REFIXING ON AS IS BASIS WHEREVER REQUIRED ONLY M.S. GRILLS:-</b> Removing & refixing existing steel casement windows of any type and repairing / replacing the damaged members, making good the damaged brick work etc. complete including painting.	175.00	Per Sqm Meter			



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
6	<b>PROVIDING PLY PROTECTION TO WINDOWS:</b> The existing Aluminium / G. I. / Wooden windows of all the flats should be covered carefully with minimum 4mm thick ply wood, so as to cause minimum damages to the windows. The plywood should be fixed properly with due care and should be fixed in such a fashion that the windows can be opened with ease. In case where the window is already damaged before fixing, the contractor should bring it to the notice of the concerned flat owner, but in case the contractor's men damage the windows then he will have to repair the same at his cost.	150.00	Per Sqm Meter			
7	<b>PROVIDING TARPULLIN SHEET PROTECTION TO WINDOWS:</b> The existing Aluminium / G. I. / Wooden windows of all the flats should be covered carefully with tarpauline sheet, so as to cause minimum dust inside the flats through the windows.	450.00	Per Sqm Meter			
<b>A</b>						
<b>TOTAL OF PREPARATORY ITEMS</b>						
<b>B</b>						
<b>WATERPROOFING ITEMS</b>						
8	<b>BREAKING OF THE EXISTING WATERPROOFING LAYERS OF THE TERRACE TOP:</b> Removing any existing water proofing layers of I. P. S. with bituminous joints and brick bat concrete over the existing terrace floor, chajja, top of headroom slab and canopy including cement vata and exposing R.C.C. slab top complete.	655.00	Per Sqm Meter			
9	<b>TERRACE TOP WATERPROOFING BY CONVENTIONAL METHOD WITH CHINA MOSAIC TOPPING:</b> Providing waterproofing treatment to terrace slab and laying flooring of broken marble mosaic tiles of plain finish of required size laid on 38mm to 50 mm thick 1:2 Cement Mortar bedding after grouting with neat cement 100 mm thick (average) bedding of concrete made of 2 parts of broken brick bats to 1 part of cement mortar laid to proper gradient 1:100 and 150 mm half round vata in 1:2:4 c.c. with necessary plaster in 1:3 C.M. at the junction with walls and the required number of expansion joint as per the directions etc. complete. The rate also includes watering, tamping, curing and cleaning the top of all dust, loose materials, stains, and machine polished etc. complete as directed. (Horizontal measurements clear. Note : The layer of 100 mm thick average brick bat coba shall be laid in required slopes in proportion of two parts of broken bricks bats and one part of cement mortar 1:5 on slab. Over the brick bat coba, 30mm to 38mm thick lime mortar in proportion of 1 part of lime to 2 parts of sand shall be laid as bedding for fixing broken marble mosaic	250.00	Per Sqm Meter			



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
10	<b>INJECTION GROUTING:</b> Injecting approved low viscous epoxy grout into concrete slab, stone masonry cracks, columns etc. by suitable gun/ pump at required pressures by providing necessary scaffolding, drilling and inserting 12mm dia. Brass grouting multiperforated nipples upto 30mm to 40mm depth, using M Seal, Quartz sand around the nipple, cutting of nipples after curing, cleaning etc. complete. (This item shall be paid on actual consumption of epoxy used in Kgs.)	500.00	KG			
11	<b>BREAKING OF THE EXISTING WATERPROOFING LAYERS OF THE L.M.R TOP / EMERGENCY STAIRCASE TOP / BALCONY TOP:</b> Removing any existing water proofing layers of I. P. S. with bituminous joints and brick bat concrete over the existing terrace floor, chajja, top of headroom slab and canopy including cement vata and exposing R.C.C. slab top complete.	80.00	Per Sqm Meter			
12	<b>L.M.R TOP / EMERGENCY STAIRCASE TOP / BALCONY TOP WATERPROOFING BY CONVENTIONAL METHOD WITH CHINA MOSAIC TOPPING:</b> Providing waterproofing treatment to terrace slab and laying flooring of broken marble mosaic tiles of plain finish of required size laid on 38mm to 50 mm thick 1:2 Cement Mortar bedding after grouting with neat cement 100 mm thick (average) bedding of concrete made of 2 parts of broken brick bats to 1 part of cement mortar laid to proper gradient 1:100 and 150 mm half round vata in 1:2:4 c.c. with necessary plaster in 1:3 C.M. at the junction with walls and the required number of expansion joint as per the directions etc. complete. The rate also includes watering, tamping, curing and cleaning the top of all dust, loose materials, stains, and machine polished etc. complete as directed. (Horizontal measurements clear. Note : The layer of 100 mm thick average brick bat coba shall be laid in required slopes in proportion of two parts of broken bricks bats and one part of cement mortar 1:5 on slab. Over the brick bat coba, 30mm to 38mm thick lime mortar in proportion of 1 part of lime to 2 parts of sand shall be laid as bedding for fixing broken marble mosaic	80.00	Per Sqm Meter			



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
13	<p><b>OVERHEAD WATER TANK WATERPROOFING BY CHEMICAL COATING METHOD:</b> Providing and installing crystalline waterproofing treatment to inside surfaces of the water retaining structures. VERTICAL SURFACES : a) Treatment shall consist of preparation of surfaces including 'V' grooves at junctions and joints, pressure grouting the same and curing for specified period. b) Applying two coats of approved crystalline waterproofing compound at specified intervals as recommended by manufacturer and as directed by Engineer-in charge and allowed to cure. c) Extra for Plastering of walls and finishing smooth with 15 mm thick cement mortar 1:4 (1 cement : 4 fine sand) admixed with approved waterproofing compound in recommended proportions. HORIZONTAL SURFACES : d) Extra for Laying of 30 mm average thick cement concrete of mix 1:2:4 (1 cement : 2 coarse sand : 4 coarse aggregate of 12.5mm nominal size) admixed with approved waterproofing compound in recommended proportions, on floors to required gradient, including rounding of corners / junctions with walls and floors etc., and finished smooth and cured. Tank shall be tested by filling with water for required depth and maintaining it for 72 hrs. for checking the leakages. The rate includes giving 10 year guarantee for waterproofing on a Rs.100/- stamp paper in approved proforma.</p>	175.00	Per Sqm Meter			
14 (a)	<p><b>UNDERGROUND WATER TANK WATERPROOFING BY CONVENTIONAL METHOD:</b> Providing water proofing treatment to existing RCC underground / overhead tank, basements, lift-pits and other underground structures. The treatment shall be done by giving INJECTIONS wherever necessary with waterproofing compound and cement solution as per tenderer's specifications into the floor &amp; walls upto the full height of structures. All inherent holes, cavities, voids &amp; honeycomb shall be filled up to make the structure consistent, homogenous resistant to water breakages, seepage, dampness and moisture etc. The floor shall then be treated with waterproofing metal coba of 30 mm to 35 mm thick in 1:4 C.S. mortar and walls with first coat of waterproofing plaster as per tenderer's specifications. Finally both floor and walls shall be finished smooth with jointless waterproofing plaster 1:3 C.S. 12 mm to 15 mm thick with water proofing materials as per tenderer's specifications in cement or finished rough to receive tile pavement or dado. The thickness of the treatment shall not be less than 50 mm to 60 mm for floors and 25 mm for walls.</p>	150.00	Per Sqm Meter			
14 (b)	<p>Extra over the rate for item No.CS-WP-34 for removing the old plaster and floor finishing completely so as to expose the original surface to receive the treatment including carting away debris etc. complete</p>	75.00	Per Sqm Meter			
14 (c)	<p>Extra rate for removing brick bat coba more than (4") 100 mm thick including carting away the same and from the actual place of work to any other site and making the site clear as directed. The debris will become contractor's property.</p>	50.00	Per Cubic Meter			
B	<b>TOTAL OF WATERPROOFING ITEMS</b>					



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Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
<b>STRUCTURAL ITEMS</b>						
C						
15	<b>BREAKING OF CONCRETE:</b> Chipping /removing loose concrete upto reinforcement bars, without damaging the reinforcement, removing all the loose materials and to make all the exposed surfaces free from oil, dust and all impurities etc complete.	350.00	Per Sqm Meter			
16	<b>TREATMENT TO STEEL REINFORCEMENT:</b> Removing corrosion of steel reinforcement by mechanical means like wire brushing, chipping to remove loose rust and then applying rust removal solution by using brush application, leaving the surface for at least 15 to 30 minutes, then removing loose materials by scrubbing or with brush. After detachment of loose scales reddish rusted surface is still left exposed, this has to be retreated or as per approved manufacturers specifications. (Note:- Consider surface area of concrete for payment)	350.00	Per Sqm Meter			
17	<b>APPLICATION OF RUST CONVERTER:</b> Providing & applying One coat of Alkaline Rust converting primer conforming to ASTM-B 117, to exposed existing rebars after removing & cleaning loose rust by wire brush and leave it for 6-8hours	350.00	Per Sqm Meter			
18	<b>BOND COAT :</b> Providing & applying One coat of structural grade epoxy bond coat by brush conforming to ASTM-C-882-87 to the prepared concrete surface to be repaired / strengthened. This is applied prior to the application of polymer repair mortar / epoxy mortar / Microconcrete to have monolithic action between old concrete surface and new concrete surface	350.00	Per Sqm Meter			
19	<b>REPAIR WITH POLYMER MODIFIED MORTAR (PMM):</b> Repairs to the deteriorated / damaged areas of RCC elements in the structure shall be carried out by using powder Polymer Modified repair mortar. The polymer modified mortar is applied when the epoxy bonding coat is still tacky. In one application 25 mm thickness shall be built. Subsequent layer shall be built with one bond coat of Polymer modified cement slurry. The polymer modified repair mortar shall be mixed, applied and cured as per technical specifications	350.00	Per Sqm Meter			
20	<b>REPAIR WITH NON POLYMER MODIFIED MORTAR :</b> Repairs to the deteriorated / damaged areas of RCC elements in the structure shall be carried out by using powder Non Polymer Modified repair mortar. The Polymer modified mortar is applied when the epoxy bonding coat is still tacky. In one application 25 mm thickness shall be built. Subsequent layer shall be built with one bond coat of Polymer modified cement slurry. The polymer modified repair mortar shall be mixed, applied and cured as per technical specifications	50.00	Per Sqm Meter			



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Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
21	<b>PROVIDING / FIXING OF M. S. PROPS:</b> Providing and fixing in vertical position telescopic M.S.prop under deflected beam/lintel/slab/chajjas by using teak wood battens of size 1000 x 80 x 80 for packing between prop plate and the beam/lintel/slab/chajjas bottom surface as per the directions of engineer-in-charge	20.00	Each			
22	<b>DISMANTLING OF DAMAGED REINFORCEMENT :</b> Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge	250.00	KG			
23	<b>PROVIDING STEEL REINFORCEMENT :</b> Providing and fixing in position steel bars reinforcement of various diameters for R.C.C. pile, pile caps, footings,raft,retaining wall,shear wall, lift wall, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, pardijs, coping, fins, arches, etc. as per detailed designs, drawings and bar bending schedules, including straightening, cutting, bending, hooking the bars, binding with wires or tack welding, supporting as required etc. all complete at all levels.					
a)	Thermo-Mechanically Treated bars of grade Fe-500D	0.25	MT			
24	<b>MICRO CONCRETE TO THE RCC MEMBERS:</b> Repairing to the existing RCC structural members (vertical or horizontal) using ready mix Micro Concrete of approved brand where the thickness of repair is more than 30 mm and upto 115 mm. It can be used for carrying out extensive repairs to beams, columns and other structural elements, repairing of structural members subjected to repetitive loading & for Jacketing of beams, columns and other structural elements for strengthening.	1500.00	KG			
25	<b>PROVIDING / FIXING ANCHOR FASTENER / HILTI:</b> Providing and fixing the Mechanical Anchor Fasteners as specified below of Hilti Make or equivalent conforming to IS 1367 (Part 3) at required locations and level including drilling the hole, cleaning and anchoring the bolt as per manufacturers specifications etc. complete as directed by Engineer In Charge.					
a)	M8 x 115	50.00	NOS.			
b)	M10 x 110	30.00	NOS.			
c)	M12 x 115	20.00	NOS.			
<b>C</b>	<b>TOTAL OF STRUCTURAL ITEMS</b>					



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
<b>D</b>						
<b>CIVIL ITEMS</b>						
26	<b>BREAKING OF EXTERNAL PLASTER AND INTERNAL STAIRCASES:</b> Removing cement plaster of any finish from the wall, complete with racking out the joints to a depth of 20 mm.	850.00	Per Sqm Meter			
27	<b>EXTERNAL PATCH PLASTER :</b> Providing and applying 30 to 40 mm thick external sand faced rough cast cement plaster upto 10m from ground level and at all locations in cement mortar 1:4 in two coats for masonry (except stone masonry) and concrete surfaces including, providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, providing bands, drip moulds, grooves etc. finishing, curing, scaffolding etc complete as directed By Engineer In Charge	600.00	Per Sqm Meter			
28	<b>INTERNAL STAIRCASES PATCH PLASTER :</b> Providing and applying 12 mm thick internal plaster in cement mortar 1:4 with white cementitious wall putty (Birla white or equivalent) finish at all heights and locations for concrete surfaces including hacking of concrete surface, watering, finishing, curing, scaffolding etc. complete	250.00	Per Sqm Meter			
29	<b>GAP FILLING :</b> Providing and applying crystalline mortar by mixing in the ratio of 4.5 : 1 (4.5 parts crystalline mortar : 1 part water) for the treatment of faulty construction joints, cracks, the rod holes and spalled & honeycombed surface of RCC underground structures like basement, water tanks, bridge deck etc. to ensure water tightness. The crystalline mortar shall conform to the EN 1504-3 having compressive strength Class R4 745 MPa and adhesive bond strength Class R3 21.5 MPa. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage	125.00	Per Running Meter			
30	<b>LEVELING DASH COAT OF PLASTER:</b> Whenever instructed by the consultant, provide a dash coat of plaster, of up to 1.5" thickness in 1:3 C.M. with ICWPA, embedding small brick pieces in it so as to bring the uneven surface in level. Cure this dash coat at least thrice for minimum 3 days.	75.00	Per Square Meter			



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
31	<b>HACK AID PLAST AT THE JUNCTION OF OLD AND NEW PLASTER:</b> Providing and applying one pack bonding coat between concrete members like RCC slabs, columns, beams, chajjas, pardis etc and cement mortar plaster using Hack Aid Plast of approved make & approved by Engineer in charge. Clean the concrete surface thoroughly to remove dust, dirt, grime, desluttering oils and rub down to a clean surface. Apply Hack Aid Plast of approved make & approved by NABARD Engineer in charge by spray on the entire concrete surface. Provide a lean cement - sand dash coat over the same. Allow the dash coat to set for around 24 hours. Further plastering as per specifications can continue.	275.00	Per Running Meter			
<b>D</b>	<b>TOTAL OF CIVIL ITEMS</b>					
<b>E</b>	<b>PLUMBING WORKS</b>					
32	<b>PROVIDING &amp; FIXING TEMPORARY P. V. C. DRAIN LINES:</b> Fixing of new PVC Drain lines with fittings and fixture for an temporary basis to remove the old CI line and fix new PVC Drain lines along with the necessary fittings and fixtures:	250.00	Per Running Meter			
33	<b>REMOVING OF THE EXISTING P. V. C. LINES:</b> Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks, including stacking of pipes at site lead up to 50 metre :					
a)	80 mm diameter C.I. pipe	90.00	Per Running Meter			
b)	100 mm diameter C.I. pipe	175.00	Per Running Meter			
c)	125 mm diameter C.I. pipe	180.00	Per Running Meter			



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Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
34	<b>PROVIDING &amp; FIXING OF NEW P.V.C. LINES:</b> Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.					
a)	75 mm nominal inner dia Pipes	90.00	Per Running Meter			
b)	100 mm nominal inner dia Pipes	175.00	Per Running Meter			
c)	150 mm nominal inner dia Pipes	180.00	Per Running Meter			
35	<b>REMOVING OF THE EXISTING G. I. LINES:</b> Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually / by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :					
a)	15 mm to 40 mm nominal bore	175.00	Per Running Meter			
b)	Above 40 mm nominal bore	QRO	Per Running Meter			



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
36	<b>PROVIDING &amp; FIXING OF NEW U.P.V.C. LINES:</b> Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge					
a)	15 mm nominal outer dia Pipes	125.00	Per Running Meter			
b)	25 mm nominal outer dia Pipes	75.00	Per Running Meter			
c)	40 mm nominal outer dia Pipes	175.00	Per Running Meter			
37	<b>PROVIDING &amp; FIXING OF NEW U.P.V.C. CONNECTOR PIECE:</b> Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge					
a)	15 mm nominal outer dia Pipes	50.00	Per Number			
b)	20 mm nominal outer dia Pipes	50.00	Per Number			
38	H.P. or L.P. ball valve with polythene floats: 15 mm dia	40.00	Per Number			
39	H.P. or L.P. ball valve with polythene floats: 25 mm dia	QRO	Per Number			
40	Brass full way valve with C.I. wheel (screwed end) 40 mm dia	15.00	Per Number			
<b>E</b>	<b>TOTAL OF PLUMBING ITEMS</b>					



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
<b>PAINTING ITEMS</b>						
41	<b>CRACK FILLING WITH POLYMERIC BASED :</b> Sealing of Plaster, IPS and non structural Cracks: Sealing of plaster, IPS and non structural cracks with non-shrink compound using spatula or putty knife	100.00	RMT			
42	<b>SURFACE PREPARATION FOR THE APPLICATION OF ACRYLIC PAINT:</b> Preparing and finishing plastered wall surfaces / concrete surfaces, steel or wood surfaces in line and level for acrylic (oil bound) distemper/ synthetic enamel paint or plastic emulsion paint by scraping/removing the old paint if any with wire brush or blades and rubbing, with sand papers as required, filling in cracks in cement mortar 1:3, applying the whole surface with mixture of whitening powder or plaster of paris and double boiled inseed oil of premium quality or second quality synthetic enamel paint, filling the cracks with premium quality putty or hard glue in case of woodwork, rubbing down and even up the surface by any approved means etc. complete as directed by Engineer-in-charge	300.00	Per Sqm Meter			
43	<b>COMPOUND WALL &amp; PUMP ROOM PAINTING WITH ACRYLIC PAINT:</b> Providing and applying first single coat of approved primer and two coats of acrylic plastic emulsion paint of an approved make and colour as per manufacturers specifications to any surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer In-charge.	300.00	Per Sqm Meter			
44	<b>SURFACE PREPARATION FOR THE APPLICATION OF WATERPROOFED BASED PAINT:</b> On exterior painting work of height more than 10 m from ground level for additional height of 3m or part thereof	2150.00	Per Sqm Meter			
45	<b>EXTERNAL PAINTING BY WATERPROOFED BASED PAINT:</b> Providing and applying first coat of approved Waterproof primer, and two coats of waterproof acrylic based textured exterior paint of an approved make and colour as per manufacturers specifications to textured sand faced or other surfaces, upto 10m height from ground level and at all locations as directed including preparing surfaces for painting by any approved means, scaffolding, cleaning and curing etc. complete as directed by Engineer-in-charge.	2150.00	Per Sqm Meter			



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Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
46	<b>SURFACE PREPARATION FOR THE APPLICATION OF ENAMEL BASED OIL PAINT:</b> Preparing and finishing plastered wall surfaces / concrete surfaces, steel or wood surfaces in line and level for acrylic (oil bound) distemper/ synthetic enamel paint or plastic emulsion paint by scraping/removing the old paint if any with wire brush or blades and rubbing, with sand papers as required, filling in cracks in cement mortar 1:3, applying the whole surface with mixture of whitening powder or plaster of paris and double boiled lseed oil of premium quality or second quality synthetic enamel paint, filling the cracks with premium quality putty or hard glue in case of woodwork, rubbing down and even up the surface by any approved means etc. complete as directed by Engineer-in-charge	7475.00	Per Sqm Meter			
47	<b>M. S. GRILL PAINTING BY ENAMEL BASED OIL PAINT:</b> Providing and applying first single coat of approved primer and two coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to surfacesspecificd below, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge.	200.00	Per Sqm Meter			
48	<b>GAS PIPE PAINTING BY ENAMEL BASED OIL PAINT:</b> Providing and applying first single coat of approved primer and two coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to surfacesspecificd below, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge.	QRO	Per Sqm Meter			
49	<b>FIRE PIPE PAINTING BY ENAMEL BASED OIL PAINT:</b> Providing and applying first single coat of approved primer and two coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to surfacesspecificd below, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge.	75.00	Per Sqm Meter			
50	<b>WOODEN DOOR PAINTING BY ENAMEL BASED OIL PAINT:</b> Providing and applying first single coat of approved primer and two coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to surfacesspecificd below, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge.	QRO	Per Sqm Meter			

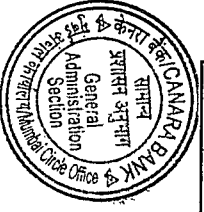


Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
51	<b>INTERNAL STAIRCASE &amp; PASSAGE PAINTING BY OIL BOUND DISTEMPER PAINT:</b> Providing and applying first single coat of approved primer and two coats of acrylic distemper (oil bound distemper) of an approved make and colour as per manufacturers specifications to any surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting with broom by any approved means, etc. complete as directed by Engineer-in-charge.	1600.00	Per Sqm Meter			
52	<b>INTERNAL UNITS, BASEMENT, WASHROOMS &amp; PANTRY PAINTING BY OIL BOUND DISTEMPER PAINT:</b> Providing and applying first single coat of approved primer and two coats of acrylic distemper (oil bound distemper) 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 with broom by any approved means, etc. complete as directed by Engineer-in-charge.	5600.00	Per Sqm Meter			
53	<b>SURFACE PREPARATION FOR THE APPLICATION OF WHITE WASH PAINT:</b> Preparing the old surface for white/colour wash or dry/water bound distemper including scrapping the old paint with wire brush, blades or sand papers upto original surface, filling in the cracks and loose patches etc. with C.M 1:3 etc. complete as directed.	800.00	Per Sqm Meter			
54	<b>INTERNAL LIFT MACHINE ROOM / RCC SHAFT DUCT PAINTING BY WHITE WASH:</b> Providing and applying three coats of White/colour wash to any surface with lime wash prepared from quick lime of best quality by adding blue/colour pigments and glue of approved colour, quality in required quantities at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting with broom, coil and sand paper if necessary or by any other approved means etc. complete as directed by Engineer-in-charge.	800.00	Per Sqm Meter			
55	<b>PROVIDING / APPLYING SYNTHETIC TEXTURE FINISH TO THE ENTIRE EXTERNAL WALL AREAS OF THE BUILDING:</b> As directed by Engineer-in-charge.	QRO	Per Sqm Meter			
<b>F</b>	<b>TOTAL OF PAINTING ITEMS</b>					



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
	<b>G EXTERNAL GLASS FACADE / MARBLE FACADE &amp; ACP PANELLING REPAIR WORKS</b>					
56	<b>REMOVING OF THE EXISTING GLASS FACADE, GRANITE FACADE &amp; ACP PANELS ON THE EXTERNAL WALL AREAS OF THE BUILDING :</b> Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of :					
a)	G.I. Sheet / Glass / Granite / ACP Panel	1450.00	Per Square Meter			
57	<b>PROVIDING / FIXING OF ALUMINIUM COMPOSITE PANEL (ACP) ON THE EXTERNAL WALL AREAS OF THE BUILDING:</b> Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including: a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 Based PVDF / Luniflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers,	900.00	Per Square Meter			
58	<b>PROVIDING / FIXING OF GLASS FACADE ON THE EXTERNAL WALL AREAS OF THE BUILDING :</b> Providing and fixing 12mm thk toughened etched glass as per the design, as per the design. Glass to be fixed at top & bottom in heavy gauge aluminium 'c' channel concealed in floor & boxing. Cost to be inclusive of silicon sealant to the periphery of the glass as directed.	450.00	Per Square Meter			





Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
59	<b>PROVIDING / FIXING OF MARBLE CLADDING ON THE EXTERNAL WALL AREAS OF THE BUILDING: ITALIAN MARBLE CLADDING</b> Providing and fixing machine cut and mirrorpolished approved coloured ITALIAN MARBLE SLAB with inlays of approved size 20mm +2mm thk. Of approved quality for required pattern on a bed of 1:4 CM 25mm average thickness including neat cement float, filling joints with neat coloured pigment, curing, polishing and cleaning etc complete. (Basic rate of ITALIAN)	100.00	Per Square Meter			
60	<b>SILICON JOINT FILLING:</b> Providing and applying at all levels approved silicone sealant at the junction of wall and ventilators or windows as directed, wherever required or instructed by the Engineer etc. complete as specified in manufacturers specifications and directed.	450.00	Per Liters			
61	<b>DISMANTLING OF CHANNEL SECTION:</b> Dismantling steel work in built up sections in angles, tees, flats and channels of rolling shutters, grills, gates, fencing, hoardings, including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50metres lead.	4000.00	Per Kgs.			
62	<b>PROVIDING &amp; FIXING OF CHANNEL SECTIONS FOR THE FRAMING FOR CLADDING / FACADE WORKS (WHEREVER DAMAGED ONLY):</b> Providing, detailing, composite fabricating members like Trusses, N-girders, girders, bracings, supports, purlins, runners, and similar structural steel members fabricated using M.S. hollow tubular steel sections (circular & rectangular pipes), of TATA Structura Make or equivalent conforming to IS 1239 part 1 and 2 and of grade Fe 250 as per specifications and approved fabrication drawings (which are to be prepared by Contractor and got approved from Engineer). Including transportation of the same to site, erection of structural steel members for all heights & at all levels, provision of necessary erection bolts, fixing bolts, nuts, washers, cleats, stiffeners, gussets, base plate, and all necessary operations like preheating as per specifications, straightening, bending, cutting, drilling, grinding, machining if specified, welding, grinding, removing the welding burr and preparing surface for painting with wire brush cleaning and applying two coats of epoxy red oxide zinc phosphate primer of 30 microns each and two coats of Epoxy Corrosion Resistant Enamel paint of 30 microns after fabrication including touching up with spray painting after erection etc complete as directed by Engineer In Charge.	4.00	Per Metric Tonne			
<b>G</b>	<b>TOTAL OF EXTERNAL GLASS FACADE / MARBLE FACADE &amp; ACP PANELLING REPAIR WORKS</b>					

Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
H	<b>PLINTH &amp; BASEMENT WATERPROOFING &amp; PLINTH REPAIR WORKS</b>					
63	<b>EXCAVATION OF THE PLINTH SOIL AT PERIPHERAL WALL AREAS AT THE GROUND FLOOR LEVEL:</b> Excavation for foundations, substructures, basements, tanks, sumps, walls, chambers, manholes, trenches, poles, pits & general building works in all types of soils, vegetable earth, soft murum, running sand, shingle, turf clay, loam, peat, ash, shale, slag, garbage, mucky / marshy/ slushy soil, marine clay, reclaimed land etc. for depths/lifts upto 1.5M measured from the ground level, including dressing/trimming the sides, leveling and ramming of bottoms, manual dewatering, removing rank vegetation, backfilling in layers not more than 200mm thickness, watering, consolidating, compacting to achieve not less than 97% Modified Proctor density conforming to relevant IS, stacking the selected material in measurable heaps for future use within owners space or disposing within an initial lead of 150m as directed, loading, unloading, leveling excluding shoring, strutting etc complete as directed by Engineer-in-Charge. Note: 1) The rate includes the handling/supporting the existing utilities such as cables, drains, pipes, water mains etc. 2) It also includes the royalty and other taxes applicable if any. For more details refer General Notes.	30.00	Per Cubic Meter			
64	<b>PROVIDING &amp; LAYING OF SOLING ON THE PERIPHERAL WALL AREAS AT THE GROUND FLOOR LEVEL:</b> Providing & Laying 150 mm thick dry stone Rubble Soling with average 150 mm size hard stone set in regular lines, handpacked and interstices thoroughly filled with small chips including filling in with good quality murum brought from outside, compacting with iron rammers, watering, sand spreading 12mm thk. layer of grit on top etc complete as directed by Engineer In Charge. (Note: The rate includes the royalty and other taxes if any)	50.00	Per Square Meter			
65	<b>PROVIDING &amp; LAYING M25 GRADE CONCRETE LAYER ON THE PERIPHERAL WALL AREAS AT THE GROUND FLOOR LEVEL:</b> Providing and laying C.C. floor of mix M-25 with ready mixed concrete from RMC. The ready mixed concrete shall be laid and vibrated with a poker vibrator and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. The channel shuttering spaced 4m apart shall be included in this item.)	15.00	Per Cubic Meter			



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
66	<p><b>PROVIDING &amp; FIXING OF THE SHAHABAD STONE TILE ON THE PERIPHERAL WALL AREAS AT THE GROUND FLOOR LEVEL:</b> Providing waterproofing treatment to the side walls (brick masonry of rubble) of basement with single layer of rough Shahabad stone about 12 mm to 18 mm in thickness well pointed in the joints with cement paste and waterproof compound as per tender's specifications including grouting the portion behind the Shahabad tiles and finishing the surface of Shahabad tile with cement plaster medium smooth c.s. 1:3 about 10 to 12 mm. thickness. The total thickness of the treatment should be about 25 mm to 38 mm. (The actual area treated will be</p>	50.00	Per Square Meter			
67	<p><b>CONSTRUCTION OF THE PLINTH COVING (WATTA) AT THE PERIPHERAL WALLS OF THE BUILDING :</b> Coving of 50mm: Providing &amp; applying of a smooth 50mmx50mm coving at junctions of floor and wall using polyurethane concrete Ucrete RG and over coated with polyurethane Ucrete DP top coat including surface preparation.</p>	90.00	Per Square Meter			
68	<p><b>EXCAVATION OF THE FLOOR INSIDE THE BASEMENT AREA:</b> Excavation for foundations, substructures, basements, tanks, sumps, walls, chambers, manholes, trenches, poles, pits &amp; general building works in all types of soils, vegetable earth, soft murum, running sand, shingle, turf clay, loam, peat, ash, shale, slag, chalk, garbage, muddy / marshy/ slushy soil, marine clay, reclaimed land etc. for depths/lifts upto 1.5M measured from the ground level, Including dressing/trimming the sides, leveling and ramming of bottoms, manual dewatering, removing rank vegetation, backfilling in layers not more than 200mm thickness, watering, consolidating, compacting to achieve not less than 97% Modified Proctor density conforming to relevant IS, stacking the selected material in measurable heaps for future use within owners space or disposing within an initial lead of 150m as directed, loading, unloading, leveling excluding shoring, strutting etc. complete as directed by Engineer-in-Charge. Note: 1) The rate includes the handling/supporting the existing utilities such as cables, drains, pipes, water mains etc. 2) It also includes the royalty and other taxes applicable if any. For more details refer General Notes.</p>	90.00	Per Cubic Meter			
69	<p><b>PROVIDING &amp; LAYING OF SOLING ON THE FLOOR INSIDE THE BASEMENT AREA:</b> Providing &amp; Laying 150 mm thick dry stone Rubble Soling with average 150 mm size hard stone set in regular lines, handpacked and interstices thoroughly filled with small chips including filling in with good quality murum brought from outside, compacting with iron rammers, watering, sand spreading 12mm thk. layer of grit on top etc complete as directed by Engineer In Charge. (Note: The rate includes the royalty and other taxes if any)</p>	375.00	Per Square Meter			



SIGNATURE OF CONTRACTOR WITH SEAL

Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
70	<b>PROVIDING &amp; LAYING M25 GRADE CONCRETE LAYER ON THE FLOOR INSIDE THE BASEMENT AREA:</b> Providing and laying C.C. floor of mix M-25 with ready mixed concrete from RMC. The ready mixed concrete shall be laid and vibrated with a poker vibrator and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. The channel shuttering spaced 4m apart shall be included in this item.)	50.00	Per Cubic Meter			
71	<b>PROVIDING &amp; FIXING OF NOZZLE / NIPPLE FOR THE EPOXY GROUT INSIDE THE BASEMENT AREAS:</b> Providing and fixing PTMT extension nipple for water tank pipe, fittings					
a)	5 mm nominal bore, weighing not less than 32 gms	100.00	Each			
72	<b>EPOXY INJECTING / GROUTING INSIDE THE BASEMENT AREA OF PERIPHERAL WALLS:</b> Injecting approved low viscous epoxy grout into concrete slab, stone masonry cracks, columns etc. by suitable gun/ pump at required pressures by providing necessary scaffolding, drilling and inserting 12mm dia. Brass grouting multiperforated nipples upto 30mm to 40mm depth, using M Seal, Quartz sand around the nipple, cutting of nipples after curing, cleaning etc. complete. (This item shall be paid on actual consumption of epoxy used in Kgs.)	250.00	Per Kgs			
<b>H</b>	<b>TOTAL OF BASEMENT WATERPROOFING &amp; PLINTH REPAIR WORKS</b>					



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
A	PREPARATORY ITEMS			RS.		
B	WATERPROOFING ITEMS			RS.		
C	STRUCTURAL ITEMS			RS.		
D	CIVIL ITEMS			RS.		
E	PLUMBING WORKS			RS.		
F	PAINTING ITEMS			RS.		
G	EXTERNAL GLASS FACADE / MARBLE FACADE & ACP PANELLING REPAIR WORKS			RS.		
H	PLINTH & BASEMENT WATERPROOFING & PLINTH REPAIR WORKS			RS.		
	<b>GRAND TOTAL - A</b>			RS.		



SIGNATURE OF CONTRACTOR WITH SEAL

**Name of work - Internal Washrooms & Pantry Renovation Works of Canara Bank's owned Building at Plot No. 90, MIDC, 7th Street, Andheri East, Mumbai. in accordance with Structural Audit carried out by Professional Consultant.**

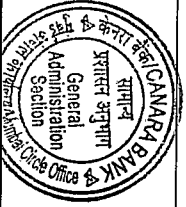
**PART - B : INTERNAL WASHROOMS & PANTRY RENOVATION WORKS: Schedule of Quantities, "SARJU HOUSE"**

Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
<b>INTERNAL WASHROOMS &amp; PANTRY RENOVATION WORKS</b>						
1	<b>PROVIDING / FIXING OF M. S. H-FRAME LADDER TO REACH SUFFICIENT HEIGHTS INSIDE THE FLATS (WHEREVER REQUIRED ONLY) : As directed by Engineer-in-charge.</b>	4.00	Per Numbers			
2	<b>INTERNAL FLOOR PROTECTION BY BAMBOO MATTING INSIDE THE FLATS:</b> Providing and laying Bamboo matting as required on site and is directed for weather shed chajja (b) Bamboo matting Double Bamboo Mats shall be provided and flat area covered by - double matting shall be measured separately.	15.00	Per Sqm Meter			
3	<b>INTERNAL FLOOR PROTECTION BY POP SHEETS:</b> As directed by Engineer-in-charge.	75.00	Per Sqm Meter			
4	<b>BREAKING OF THE EXISTING WATERPROOFING LAYERS:</b> Removing any existing water proofing layers of I. P. S. with bituminous joints and brick bat concrete over the existing terrace floor, chajja, top of headroom slab and canopy including cement vata and exposing R.C.C. slab top complete.	200.00	Per Sqm Meter			
5	<b>TOILET / BATHROOM FLOOR WATERPROOFING BY CHEMICAL COATING METHOD :</b> Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	200.00	Per Sqm Meter			



SIGNATURE OF CONTRACTOR WITH SEAL

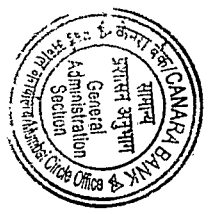
Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
6	<b>TOILET / BATHROOM FLOOR WATERPROOFING BY BRICKBAT COBA LAYER:</b> Providing waterproofing treatment through specialized agencies as per their specifications to the flooring of water closets, bathrooms, kitchen, nahanies, washing places, sanitary blocks etc. by giving INJECTIONS with cement solution with water proofing compound into the floor slab so as to make it consistent, homogeneous and impervious against leakage, seepage etc. The sunk portion shall then be covered with brickbat waterproof coba in 1:5 c.s. of required thickness with necessary gradient for easy flow of water. Finally the floor shall be covered with joint less waterproof cement plaster in 1:3 c.s. 12 mm to 15 mm thick finished rough for receiving tiles. The average thickness of complete treatment shall not be less than 100 mm. The soil pan area will not be deducted. ( After completion of work leakage test shall be carried out after impounding the water for 7 days without any extra cost. The actual treated area will be measured and paid for)	200.00	Per Sqm Meter			
7	<b>PANTRY SUNK WATERPROOFING BY BRICKBAT COBA LAYER:</b> Providing waterproofing treatment through specialized agencies as per their specifications to the flooring of water closets, bathrooms, kitchen, nahanies, washing places, sanitary blocks etc. by giving INJECTIONS with cement solution with water proofing compound into the floor slab so as to make it consistent, homogeneous and impervious against leakage, seepage etc. The sunk portion shall then be covered with brickbat waterproof coba in 1:5 c.s. of required thickness with necessary gradient for easy flow of water. Finally the floor shall be covered with joint less waterproof cement plaster in 1:3 c.s. 12 mm to 15 mm thick finished rough for receiving tiles. The average thickness of complete treatment shall not be less than 100 mm. The soil pan area will not be deducted. ( After completion of work leakage test shall be carried out after impounding the water for 7 days without any extra cost. The actual treated area will be measured and paid for)	35.00	Per Sqm Meter			
<b>REPLACEMENT OF THE PLUMBING PVC DRAIN LINES &amp; UPVC SUPPLY LINES.</b>						
8	Removing G.I. pipes internal exposed of any size including fittings etc complete	150.00	Per Running Meter			
9	Removing G.I. pipes internal concealed of any size including fittings etc complete	75.00	Per Running Meter			



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
10	Providing and fixing of concealed 100mm PVC drain pipe (water closet) with all fittings including cleaning pipe before fixing and painting as directed.	100.00	Per Running Meter			
11	Providing and fixing of concealed 75mm PVC drain pipe (pantry sunk) with all fittings including cleaning pipe before fixing and painting as directed.	125.00	Per Running Meter			
12	Providing and fixing of concealed 75mm PVC drain pipe (urinal sunk) with all fittings including cleaning pipe before fixing and painting as directed.	60.00	Per Running Meter			
13	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 in Charge. Concealed work, including cutting chases and making good the walls etc.					
a)	15 mm nominal outer dia Pipes	225.00	Per Running Meter			



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
14	<b>REMOVING OF THE WC, URINALS, WASH BASIN, SINK ETC:</b> Removing soil pan, urinal, wash basin and sink of any type, size, make and brand Including its bedding drainage fitting. etc. complete.	200.00	Each			
15	<b>PROVIDING &amp; FIXING OF NAHANI TRAPS:</b> 75 mm C.I nahani trap with grating with 75 mm C.I. bend with cleaning caps fixed complete	60.00	Per Nos.			
16	<b>PROVIDING &amp; FIXING OF WESTERN WC:</b> Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :					
a)	W.C. pan with ISI marked white solid plastic seat and lid	35.00	Per Nos.			
17	<b>PROVIDING &amp; FIXING OF JET SPRAY:</b> Providing & fixing in position 'Jacquar Continental' make CP Jet Spray with flexible CP supply pipe, and all other accessories, complete	35.00	Per Nos.			
18	<b>PROVIDING &amp; FIXING OF URINAL:</b> Providing and fixing white vitreous china squatting plate urinal with integral rim longitudinal flush pipe.	25.00	Per Nos.			
19	<b>PROVIDING &amp; FIXING OF WASH BASIN:</b> White Vitreous China of 'Hindustan & Parryware' make or equivalent under counter type Oval wash basin of size 550 x 480mm with CI brackets suitable for mounting below granite counter including waste fitting with CP brass bottle trap, angle valve with CP connection etc as specified. Oval Wash Basin Model No.10051 OR consider equivalent make.)	15.00	Per Nos.			
20	<b>PROVIDING &amp; FIXING OF TAP:</b> Providing and fixing JAQUAR MAKE, PRESSMATIC Taps Model No. 031 Pillarcock Auto closing system etc complete	48.00	Per Nos.			



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
21	<b>PROVIDING &amp; FIXING OF BIB COCK:</b> Providing & fixing 2-way Bib cock JAQUAR MAKE, ORNAMIX Model No. 10041etc. complete. r Continental' make CP Jet Spray with flexible CP supply pipe, and all other accessories, complete	60.00	Per Nos.			
22	<b>PROVIDING &amp; FIXING OF MIRROR:</b> Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing					
a)	Rectangular shape 1500x450 mm	15.00	Per Nos.			
23	<b>PROVIDING &amp; FIXING OF LOUVERED WINDOW:</b> Providing and fixing in position aluminum louvered window with anodised aluminum frame of approved make and of size 40mm x 20mm x 2.0mm (wt. 0.605 kg/Rm) including adjustable aluminum frame, 4 to 6mm thk. frosted glass, fixtures and fastenings etc. complete as directed by by Engineer In Charge.	15.00	Per Sqm Meter			
24	<b>PROVIDING &amp; FIXING OF EXHAUST FAN:</b> Providing & fixing 2-way Bib cock JAQUAR MAKE, ORNAMIX Model No. 10041etc. complete. r Continental' make CP Jet Spray with flexible CP supply pipe, and all other accessories, complete	35.00	Per Nos.			
25	<b>BREAKING THE EXISTING BASIN COUNTER / PANTRY PLATFORM / DOOR &amp; WINDOW FRAMES:</b> Removing mosaic, cement marble, granites non-slippery, tandur, kotah, shahabad stone or Indian Pattern stone, glazed tiles in flooring and dado including bedding brick bat coba etc., and delivering materials in Ward Office and carting away unserviceable materials.	675.00	Per Sqm Meter			
26	<b>BREAKING OF THE WALL TILES INSIDE THE WASHROOM (WHEREVER DAMAGED ONLY) :</b> Removing mosaic, cement marble, granites non-slippery, tandur, kotah, shahabad stone or Indian Pattern stone, glazed tiles in flooring and dado including bedding brick bat coba etc., and delivering materials in Ward Office and carting away unserviceable materials	425.00	Per Sqm Meter			
27	<b>BREAKING THE EXISTING BRICKWORK WALL INSIDE THE WASHROOM / PANTRY :</b> Demolishing brick work in line or cement mortar including plaster, paint, etc. manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge	10.00	Per Cubic Meter			



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
28	<b>CONSTRUCTION OF BRICKWORK WALL (WHEREVER DAMAGED ONLY):</b> Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 and above in superstructure above plinth level upto floor five level in all shapes and sizes in :					
a)	Cement mortar 1:4 (1 cement : 4 coarse sand)	10.00	Per Cubic Meter			
29	<b>CONSTRUCTION OF THE RCC LINTEL INSIDE THE FLATS (WHEREVER REQUIRED ONLY):</b> Providing and laying in position ready mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying and the cost of centering, shuttering, finishing and excluding 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-in-charge. The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item. The rate shall include cost of all specified materials and operations at all levels and heights, including the cost of centering, shuttering and excluding reinforcement which shall be paid under relevant item. (Note :- Cement content considered in this item is @ 300 kg/cum as per IS 456 table showing minimum cement content. No extra will be paid nor any amount will recovered on account of variation of cement in mix design as per specifications for controlled concrete). Lintels, beams, plinth beams, girders, floor beam, coping.	1.50	Per Cubic Meter			
30	<b>PROVIDING STEEL REINFORCEMENT :</b> Providing and fixing in position steel bars reinforcement of various diameters for R.C.C. pile, cap, footings, raft, retaining wall, shear wall, lift wall, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, parapets, coping, fins, arches, etc. as per detailed designs, drawings and bar bending schedules, including straightening, cutting, bending, hooking the bars, binding with wires or tack welding.					
a)	Thermo-Mechanically Treated bars of grade Fe-500D	0.10	MT			
31	<b>INTERNAL PATCH PLASTER ON THE NEWLY CONSTRUCTED BRICKWORK WALL :</b> Providing and applying 12 mm thick internal plaster in cement mortar 1:4 with white cementitious wall putty (Birla white or equivalent) finish at all heights and locations for concrete surfaces including hacking of concrete surface, watering, finishing, curing, scaffolding etc. complete	115.00	Per Sqm Meter			





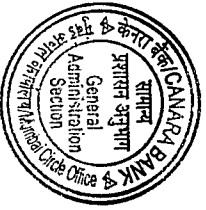
Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
35	<b>PROVIDING / FIXING OF GRANITE STONE FOR MAKING PANTRY PLATFORM / DOOR &amp; WINDOW FRAMES:</b> Providing and fixing polished natural stone tiles as specified below of approved quality, pattern and colour for dado including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in proportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, levelling, jointing, filling the joints with neat cement or pigment mixed with cement, polishing, finishing, curing etc complete as directed by Engineer In Charge					
a)	18mm thk. Steel gray Granite tiles/slab	625.00	Per Sqm Meter			
36	<b>DISMANTLING OF THE DOORS &amp; WINDOWS INSIDE THE WASHROOMS &amp; PANTRY AREA:</b> Dismantling doors, windows, fanlight and clerestory windows (steel or wood) shutter including chowkhatas, architrave, holdfasts etc. complete and stacking within 50 metres lead :					
a)	Of area 3 sq. metres and below	35.00	Each			
b)	Of area beyond 3 sq. metres	55.00	Each			
37	<b>PROVIDING / FIXING OF NEW WOODEN DOORS FOR THE PROPOSED ROOMS:</b> Providing & fixing in position single leaf flush door of required size for internal doors of residential units, shutters made of 45mm thickmarine grade block board core with 25mm x 45mm T.W. lippingpatti, 1mm thick approved decorative laminates finish on both faces ofshutter, including providing & fixing T.W. frame of 60mm x 150mm size,coating all the exposed surfaces of wood with 2 coats of flat enamel paint of approved shade & make over one coat of approvedsynthetic primer, coating all the surfaces of wood in contact withmasonry with Tar (Black Japan), preparing the surfaces, providing and fixing brass chrome finished or S.S. fittings and fastenings etc complete as per detailed drawing no. WD-26 & as directed by the Engineer in charge. D5,D7,D12,D8,D9,GI-D6	56.00	Per Square Meter			
<b>PART - B - TOTAL INTERNAL WASHROOMS &amp; PANTRY RENOVATION WORKS</b>						
				Rs.		



**Name of work - Pavement Repair Works of Canara Bank's owned Building at Plot No. 90, MIDC, 7th Street, Andheri East, Mumbai. in accordance with  
Structural Audit carried out by Professional Consultant.**

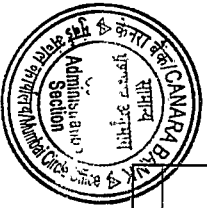
**PART - C : PAVEMENT REPAIR WORKS: Schedule of Quantities. "SARJU HOUSE"**

Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
	<b>PAVEMENT REPAIR WORKS</b>					
1	<b>REMOVING OF LOOSE / DAMAGED PAVER BLOCK / CONCRETE LAYER IN COMPOUND AREA (WHEREVER DAMAGED ONLY) :</b> Removing any type of flooring (ermosaic, cement marble, granites non-slippery, tandur, kotah, shahabad stone or Indian Pattern stone, glazed tiles in flooring including bedding brick bat coba / paver blocks of any thickness etc in open passage, footpath, or any flooring laid on ground mechanically or manually and delivering materials in Ward/ Office and carting away unserviceable materials.	770.00	Per Square Meter			
2	<b>REMOVING OF EXISTING LOOSE / DAMAGED CONCRETE LAYER IN COMPOUND AREA (WHEREVER DAMAGED ONLY):</b> Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.	125.00	Per Cubic Meter			
3	<b>PROVIDING / LAYING RUBBLE SOLING WITH MURUM ON THE EXISTING BROKEN PCC LAYER IN COMPOUND PREMISES AREA (WHEREVER DAMAGED ONLY):</b> Providing & Laying 150 mm thick dry stone Rubble Soling with average 150 mm size hard stone set in regular lines, handpacked and interestices thoroughly filled with small chips including filling in with good quality murum brought from outside, compacting with iron rammers, watering, sand spreading 12mm thk. layer of grit on top etc complete as directed by Engineer In Charge. (Note: The rate includes the royalty and other taxes if any)	800.00	Per Square Meter			
4	<b>PROVIDING / LAYING PCC LAYER TO THE DAMAGED PORTIONS OF THE COMPOUND AREA (WHEREVER DAMAGED ONLY):</b> Providing and laying in position plain cement concrete of specified grade cement with trap/granite/quartzite/gneiss metal mixing in concrete mixer including bailing out water, compacting, finishing surface, curing and including the cost of centering and shuttering at all level : Nominal Mix of 1:4:8 (1 Cement OPC: 4 coarse sand : 8 graded stone aggregate 20 mm nominal size).	125.00	Per Cubic Meter			



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
5	<b>BREAKING THE EXISTING BRICKWORK COMPOUND WALL NEAR GARDEN AND TREES IN COMPOUND AREAS (WHEREVER DAMAGED ONLY):</b> Demolishing brick work in lime or cement mortar including plaster, paint, etc. manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	40.00	Per Cubic Meter			
6	<b>BREAKING OF THE COMPOUND WALL PLASTER SURFACE (WHEREVER DAMAGED ONLY):</b> Removing cement plaster of any finish from the wall, complete with racking out the joints to a depth of 20 mm.	60.00	Per Sqm Meter			
7	<b>PROVIDING / CONSTRUCTING OF BRICKWORK FOR DAMAGED BRICKWORK WALL (WHEREVER DAMAGED ONLY):</b> Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 and above in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)	40.00	Per Cubic Meter			
8	<b>PLASTER WORKS TO THE NEWLY CONSTRUCTED BRICKWORK WALL (WHEREVER DAMAGED ONLY):</b> Providing and applying 20 mm thick internal sand faced cement plaster at all heights and locations in cement mortar specified below in two coats for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, watering, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. In cement mortar 1:4	335.00	Per Square Meter			
9	<b>REFIXING OF THE EXISTING OLD PAVER BLOCK (WHEREVER REQUIRED ONLY):</b> AS directed by Engineer-in-charge.	500.00	Per Sqm Meter			





Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
10	<b>PROVIDING / FIXING OF NEW PAVER BLOCK (WHEREVER DAMAGED ONLY):</b> Providing and fixing 50 mm thick precast concrete interlocking paving block of concrete grade M30 for non traffic areas like footpath, paving etc. and as per the approved size, pattern, shape, colour, make, conforming to IS 15658, including 30mm thick sand bedding and edge confinements in cement mortar 1:3, laying in perfect line and grade etc. complete	270.00	Per Sqm Meter			
11	<b>BREAKING OF THE EXISTING WATERPROOFING LAYERS OF THE STORM WATER LINE:</b> Removing any existing water proofing layers of I. P. S. with bituminous joints and brick bat concrete over the existing terrace floor, chajja, top of headroom slab and canopy including cement vata and exposing R.C.C. slab top complete.	60.00	Per Sqm Meter			
12	<b>STORM WATER LINE WATERPROOFING BY CHEMICAL COATING METHOD:</b> Providing and installing crystalline waterproofing treatment to inside surfaces of the water retaining structures. <b>VERTICAL SURFACES :</b> a) Treatment shall consist of preparation of surfaces including 'V' grooves at junctions and joints, pressure grouting the same and curing for specified period. b) Applying two coats of approved crystalline waterproofing compound at specified intervals as recommended by manufacturer and as directed by Engineer-in-charge and allowed to cure. c) Extra for Plastering of walls and finishing smooth with 15 mm thick cement mortar 1:4 (1 cement : 4 fine sand) admixed with approved waterproofing compound in recommended proportions. <b>HORIZONTAL SURFACES :</b> d) Extra for Laying of 30 mm average thick cement concrete of mix 1:2:4 (1 cement : 2 coarse sand : 4 coarse aggregate of 12.5mm nominal size) admixed with approved waterproofing compound in recommended proportions, on floors to required gradient, including rounding of corners / junctions with walls and floors etc., and finished smooth and cured. Tank shall be tested by filling with water for required depth and maintaining it for 72 hrs. for checking the leakages. The rate includes giving 10 year guarantee for waterproofing on a Rs.100/- stamp paper in approved proforma.	60.00	Per Sqm Meter			
13	<b>REPLACEMENT OF THE STORM WATER LINE CHAMBER CAPS (WHEREVER DAMAGED ONLY):</b> P/F R.C.C. cover on inspection chamber of size 90 cm x 45 cm. and 50 mm. thick, etc., directed	45.00	Per Nos.			
14	<b>BREAKING THE EXISTING BRICKWORK BUND WALL NEAR GARDEN AND TREES IN COMPOUND AREAS (WHEREVER DAMAGED ONLY):</b> Demolishing R.C.C. slab, R.C.C. wall of any thickness, R.C.C. beams, joists, R.C.C. columns, piles, pile caps etc., in any thickness and size manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-charge.	6.00	Per Cubic Meter			

Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
15	<p><b>CONSTRUCTION OF THE CONCRETE BUND WALL NEAR GARDEN AND TREES IN COMPOUND AREAS (WHEREVER REQUIRED ONLY):</b> Providing and laying in position ready mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying and the cost of centering, shuttering, finishing and excluding 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-in-charge. The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item. The rate shall include cost of all specified materials and operations at all levels and heights, including the cost of centering, shuttering and and excluding reinforcement which shall be paid under relevant item. (Note :- Cement content considered in this item is @ 300 kg/cum as per IS 456 table showing minimum cement content. No extra will be paid nor any amount will recovered on account of variation of cement in mix design as per specifications for controlled concrete). Walls (any thickness) including attached buttresses, retaining wall, shear wall, diaphragm wall, trench, pit walls, etc</p>	6.00	Per Cubic Meter			
16	<p><b>PLASTER WORKS TO THE BRICKWORK BUND WALL NEAR GARDEN AND TREES IN COMPOUND AREAS (WHEREVER DAMAGED ONLY):</b> Providing and applying 20 mm thick internal sand faced cement plaster at all heights and locations in cement mortar specified below in two coats for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, watering, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. In cement mortar 1:4</p>	90.00	Per Square Meter			
17	<p><b>PROVIDING STEEL REINFORCEMENT :</b> Providing and fixing in position steel bars reinforcement of various diameters for R.C.C. pile, pile caps, footings,raft,retaining wall,shear wall, lift wall, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, parties, coping, fins, arches, etc. as per detailed designs, drawings and bar bending schedules, including straightening, cutting, bending, hooking the bars, binding with wires or tack welding, supporting as required etc. all complete at all levels.</p>	0.50	MT			
	Thermo-Mechanically Treated bars of grade Fe-500D					



Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
18	<b>PROVIDING / FIXING OF NEW M. S. GRILLS ON THE COMPOUND WALL AREAS (WHEREVER DAMAGED ONLY):</b> Providing, fabricating and fixing M.S. grill work as per approved design and as per weight specified below to fencing / compound mades out of square / round bars, M.S. flats, angles, with necessary holdfast including painting with one coat of red oxide zinc chromate primer and two coats of approved synthetic enamel paint etc. complete as directed by Engineer In Charge					
a)	Mild steel grill of weight 15 to 20 Kg/sq. m.	50.00	Per Square			
19	<b>DISMANTLING OF THE INSPECTION CHAMBER :</b> Dismantling of road gully chamber of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap.	6.00	Per Nos.			
20	<b>MAKING OF THE INSPECTION CHAMBER :</b> Constructing brick masonry inspection chamber 90cm x 45cm x30cm in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making haunches, channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design.	6.00	Per Nos.			
21	<b>REPLACEMENT OF THE INSPECTION CHAMBER CAPS :</b> Providing & fixing M. S. angled ISA 5050 of 6 mm. welded frame for rectangular inspection chamber of 90 cm x 45 cm. with, 1 : 2 : 4 R. C. C. cover of approved design, 50mm. thick fixed complete including cement sand filling 1 : 1 in C. S. complete as directed (Including fixing in cement mortar with cement and sand filling around C. I. Frame and removal of the existing frame and cover if any. The frame and cover must be weighed before fixing in position. ) (The dimension specified are clear inside dimensions of the frames. In case of M. S. angled frame, the proper hold fasts &fastening should be embedded in c.c. )	6.00	Per Nos.			





Sr. No	Description of Item	Qty.	Unit	MCGM Rate	Amount	Item Code
23	<b>DISMANTLING OF THE DAMAGED GULLY TRAPS (WHEREVER DAMAGED ONLY)</b> : Dismantling of road gully chamber of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap.	4.00	Per Nos.			
24	<b>PROVIDING NEW GULLY TRAPS (WHEREVER DAMAGED ONLY)</b> : Providing and fixing square mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 X300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : 180X150 mm size P type					
a)	With common burnt clay F.P.S. (non modular) bricks of class designation 3.5	4.00	Per Nos.			
b)	With Sewer bricks conforming to IS : 4885	4.00	Per Nos.			
<b>GRAND TOTAL - PART - C</b>						
				<b>Rs.</b>		