

**TENDER BOQ FOR PROPOSED RENOVATION OF MINOR CIVIL AND PLUMBING WORKS AT KESHWAPUR
MAIN BRANCH AT HUBLI**

Sl no.	Details	Unit	Qty	Rate	Amount
	PART-A				
1	Providing, laying, spreading and compacting cushable type Mooram specifications including spreading in uniform thickness, hand packing, rolling with 3-wheeled steel/vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregates, watering and compacting to the required density complete as per Specification.	CUM	658		
2	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavation earth to the extent required and utilising the remaining earth locally for the work-in. (Depth up to 3.00 Mts)	CUM	103		
3	Providing and laying in position plain cement concrete of mix 1:3:6 in all floors Height up to 15M with OPC cement @ 220 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost all materials, labour, HOM of machinery, curing,scaffolding complete as per specifications.	CUM	15		
4	Providing and laying in position plain cement concrete of mix 1:2:4 in all Height up to 15M with OPC cement @ 220 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost all materials, labour, HOM of machinery, Scaffolding, curing complete as per specifications.	CUM	133		

5	<p>Providing and laying in position reinforced cement concrete of Design mix M25 in all floors up to Height up to 15M with OPC cement @ 340 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with super plasticiser @ 3 liters conforming to IS9103-1999 Reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, Slab return walls, walls (any thickness) including attached pilasters, columnspillers, posts, struts, buttresses, bed blocks, anchor blocks & plinth etc., including cost of all materials, labour, HOM of machinery,scaffolding, curing, complete but excluding cost of reinforcement as per specifications. (Excluding cost of steel, fabrication and including required providing and removing centering)@ All around building open area, RCC gutter, RCC wall and Slab for ATM and Electrical Panel room and required place.</p>	CUM	112		
6	<p>Granite Stone cladding to compound wall.Providing and fixing of wall cladding using 20 mm thick sand blasted rough granite of any color selected by bank/ architect in CM 1:3 proportion cut to required shape patron with paper joint finished,edge pplished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints including curing etc., complete - with minimum width 1200x150</p>	SQM	47		
7	<p>Providing and constructing precast concrete solid blocks in all floors up to 15m height with compressive strength not less than 3.5 Newton per sqmm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms. conforming to I.S 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.</p>	SQM	67		
8	<p>Providing 15mm thick cement plaster in single coat with cement mortar 1:6, in all floors up to 15m ht. to brick masonry wallls, ceiling including rounding off corners wherever required smooth rendering, : The cost including providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (inside)</p>	SQM	65		

9	Providing and laying Vitrified Tile Flooring of any size as per basic price [as shown in the drawing and/or instructions of architects], over RCC/PCC flooring on 20mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) OR Tile on tile adhesive whereve required on existing tiles, the cost including grouting the joints with white cement, matching pigments and all type of wastages etc., complete. (basic price Rs. 60/- per sft excluding taxes, transportation etc. complete. Tax invoice as proof for rates need to be submitted). All as per drawings and/or instructions of the architect. Quantity is including of 4" high skirting (in Sft). Cost is inclusive of all wastages, lead, labour etc. complete.	SQM	149		
10	Ceramic Tile Flooring for pantry / toilet : (300mm x 300 mm)				
10.1	Providing & fixing Ceramic tile for flooring of any size as per basic rate and as per approved make & coloured fixed with 1: 4 cement mortar rough plaster or tile adhesive cement paste, including providing & laying 12mm thk. plaster bed in C.M. (1:3),fixed with neat cement slurry jointing using colour pigment of matching color , including cost of materials, labour, curing, complete as per specifications compound curing etc. complete in all respects as per drawings and directions. (Basic rate Rs. 45/sft excluding taxes, transportation etc. complete.Tax invoice as proof for rates need to be submitted)	SQM	30		
11	Ceramic Tile for Dado - Toilet area (300 mm x 600 mm)				
11.1	Providing & fixing ceramic glazed / mat finish dado tiles till 7'-0" ht. as per approved design with appr'd make & coloured fixed on 10mm thk 1:4 cement rough plaster with cement slurry OR with tile adhesive cement paste & finished with white cement mixed with color pigment to match the shades of tiles complete in all respects (Basic rate Rs. 65 /-excluding taxes, transportation etc. complete.Tax invoice as proof for rates need to be submitted)	SQM	149		

12	Providing and fixing gear system/ push and pull rolling shutters of approved make out of 18 gauge, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull/ geared operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint cost of materials, labour, HOM complete as per specifications.	SQM	17		
13	Providing and laying FLOORING/ platform/Steps tread and risers using prepolished, water cut/gang saw 20mm thick Granite as per architect selection. laid on existing surface and fixing in CM 1:3 proportion, including cutting to required shape, pattern with paper joints, including full rounding for nosing , finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with sealant, including curing. (Basic rate of granite Rs. 180 /-excluding taxes, transportation etc. complete.Tax invoice as proof for rates need to be submitted)	SQM	17		
14	Providing and laying 75mm thk heavy duty interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between JOints, final compaction of paver surface JOints into its final level, including cost of materials, labour and HOM complete as per specifications. Heavy duty 75mm thick Pavers (Basic rate of Pavers Rs. 45 /-excluding taxes, transportation etc. complete.Tax invoice as proof for rates need to be submitted)	SQM	650		

15	Providing and applying painting in two coats with Royal emulsion paint or Equivalent of approved brand including applying min 5-10mm thk wall care putty base, with primer coat on wall & ceiling surface/ gypsum ceiling to give an even approved shade after thoroughly brushing the surface ,free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth ,cost of materials, labour, Scaffoldingcomplete as per specification.	SQM	567		
16	Providing TMT steel reinforcement for R C C work for slab/Beam/RCC Gutter/ Flooring etc. in all floors including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	kg	12000		
17	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per drawing specification and Bank/Architect instructions.	SQM	23		
18	GI pipe- for flagpost				
	Providing and fixing GI.pipe with necessary welding supporting fixed with grouting in RCC Platform.				
18.1	65mm	RMT	3		
18.2	50mm	RMT	3		

19	<p>Providing and fixing 304-grade stainless steel hand rail of 14-gauge pipes for ramps or staircase are made out of stainless steel hollow pipes, using 50mm dia for verticals 0.90mtr c/c are fixed to the ramps or steps by drilling with bolts and 100mm dia SS base plates 10mm gauge for fixing of vertical pipes 4-Nos anchor bolts & 60mm dia pipes are fixed horizontally for 1-rows top, oone pipe are fixed with vertical pipes another one are fixed with elbows and 25mm dia pipes are fixed horizontally for 4-rows below top measure equal intervals including cutting, welding, bending wherever necessary with suitable caps tops, bottom and corners finishing with mat / shining etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specifications and directions of the Enginee-in-charge. Rates includes fixing of railing at all floors</p>	SQM	11		
20	<p>Providing 18mm thick cement plaster at all floors up to 15m ht. in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : The rate includes providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Outside)</p>	SQM	134		
21	<p>Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with all necessary scaffolding</p>	SQM	734		

22	Providing textured paint of approved quality,including primer and paint , colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emerystone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the textured finish prepared as above is then applied to the wall surface with suitable roller/spray/gun/putty/blade /trowel to get the desired design finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate included providing and removing scaffolding, all lead and lift and all other incidental charges etc., complete as per directions of the Engineer in charge of the work	SQM	1023		
23	XI retro-reflective sheeting and 4mm Thick ACP sheet with suitable back support frame over a designed support system of aluminum alloy or galvanised steel trestles and trusses of section type as per structural design requirements and approved plans complete as per specifications. Vertical and Lateral Clearance of the Gantry shall be as per IRC 67 2012	SQM	333		
24	Providing and fixing Onduline classic or equivalent duro 235 light weight roofing sheet including fabrication for ATM as per drawing and instruction of Bank/ Architect	SQM	51		
25	Dismantling of pump room, chambers, and transport the debris from site to municipal yard.	lumpsum	1		
26	Dismantling of compound wall and ATM brick masonry, and transport the debris from site to municipal yard.	SQM	170		
	TOTAL CIVIL				
	PART-B				
	PLUMBING WORKS				
SL. NO.	DESCRIPTION	UNIT	QTY		
	PART A				
	CP & SANITARY FITTINGS				
01	Providing/Collecting and fixing of White colour, make and model glazed vitreous China FLOOR Mounted Water Closet with 'P' or 'S' trap with bronze screws with concealed flush tank 4.5 liters flush volume. dual type flush with solid seat and lid with heavy duty CP hinges and rubber buffers and flap, flush bend, with concealed cistern frame.The work shall include cutting making of walls and floors etc. confirming to IGBC norms.	Nos.	6		

02	Installing, testing and commissioning of white glazed NORMALurinals (with cartridge) with anti germ descaling blocks, of 110mm dia meter against tuffs from urine blocking and 32mm dia CP waste coupling with dome type grating, inbuilt P trap, SS bolts and nuts to fix the urinal with all hangers and brackets complete with wall flanges. confirming to IGBC norms.	Nos.	4		
03	Providing/Collecting and fixing of White colour, make and model vitreous china oval counter top / bottom wash basin installed with marble counter and brackets, 1 no CP single lever basin mixer fitting, 2 nos 15mm dia - 450mm long CP connection pipe, two no 15mm dia CP angle stop cock with wall flange, 32 mm dia CP waste coupling, 32 mm dia CP brass bottle trap, The works shall include cutting and making good the walls & floors. (Counter cost for wash basin not considered, Granite / Marble counter will be installed by other agency) . confirming to IGBC norms.	Nos.	9		
04	Supplying, fixing, testing and commissioning of CP health faucet consisting of: 1 No. 15mm dia CP Angle cock with wall flange. PVC flexible tube of 1.00m long tube with end nuts. Hand operated spray unit (instant type) CP Crutch etc., complete as directed by the Engineer in charge. Standard make confirming to ISI standards, Model as per attached photo catalogue and as per instruction of engineer incharge.	Nos.	6		
05	Providing and, fixing testing and commissioning of CP angle stop cock with CP wall flange etc. as per Architect direction	Nos.	2		
06	Providing fixing testing and commissioning of CP Bibtap with CP wall flange and necessary hardwares etc.as per Architect direction	Nos.	2		
07	Providing & Fixing of CP brass superior quality towel rail with flange with concealed brass screws etc. including cutting & making good the wall etc.	Nos.	3		
08	Providing, Fixing, soap dish with necessary SS screws, complete fixing screws and clamps etc.,	Nos.	3		
09	Providing, Fixing, Robe hook with necessary SS screws, fixing screws and clamps etc., complete.	Nos.	3		
10	Providing, Fixing, toilet paper holder with cover with necessary SS screws, fixing screws and clamps etc., complete.	Nos.	3		

11	Providing/Collecting, fixing testing and commissioning of faucet aerators of rubber washers M22 & M24 - Ease the impact of water, and prevent water from splashing by generating lots of bubbles; the strainer inside can filter out most impurities. The outer diameter of the top is 21mm/0.83inch, that of the bottom is 19mm/0.74inch, standard size for built-in insert mounting and fit most standard M22, M24 faucet. for the installation and replacement of faucet fittings at homes, hotels, public facilities and other places, which is conducive to water saving and filtering water. The faucet aerator is made of ABS plastic, the gasket is made of silicone; the fine mesh has good filtering effect, which can keep stable constant water flow, no water splashing.	Nos.	4		
WATER SUPPLY (INTERNAL & EXTERNAL)					
1	Supplying, installing, fixing, jointing, testing and commissioning of approved make CPVC pipes up to 50mm dia SDR.11, ASTM CTS, and above 50mm dia CPVC schedule 40 ASTM IPS. Fittings up to 50mm dia SDR.11, The fittings and specials such as tees, elbows, couplers, bends, enlargers etc.,m with CPVC brass threaded combination / transition specials such as male adapters brass threaded female adapters, brass FPT Tee, Brass FPT elbow etc., where connection with metal is to be made including necessary drilling holes, chasing walls and making the same good in cement mator 1:1 restore the same original condition neatly as directed by the Engineer incharge. Joints to be made with CPVC solvent cement up to 50mm dia as per ASTM D2846 and above 50mm dia primer P70, and solvent confirming to ASTM F4931 / 724.				
	Note: Strictly use SDR-11.00 grade CPVC pipe and fittings for internal water supply up to 50 mm dia.				
INTERNAL - IN TOILETS					
1.1	20 mm dia	Mtr.	60		
1.2	25 mm dia	Mtr.	10		
1.3	32 mm dia	Mtr.	10		
2	Supplying, installing, testing & commissioning approved make UPVC pipes Sch 40 and fittings schedule 80 with Specials such as tees,elbows,checknuts, unions, flanges, nipples,etc.including cutting ,fixing in/on walls, ceiling etc., as per drawing. The quoted rate shall include for necessary chasing the walls making bore in walls and making good the chased surfaces and bores in cement mortar etc.,complete. Also rate shall include the cost of solvent and Pipes confirming to ASTM D 1785 and fittings Confirming to ASTM D 2467 for pipe sizes in shafts (in shafts, terrace and Ground floors exposed)				
	Note:				
	a) Rate Quoted shall be inclusive of cost of other consumables like hacksaw blade, solvent for uPVC pipe of make IPS up to 50 mm dia - 705, above 50mm upto 100mm - 717, above 100 mm dia - 724.				
	b) The contractor shall include the rate for providing necessary scaffolding required for execution of vertical pipe lines in the shaft in this scope.				
SHAFT & TERRACE					
2.1	25 mm dia	Mtr.	20		

3	Providing, fixing, testing and commissioning of Ball valves of PVC, lever operated and tested to 20 kg / sq.cm.				
3.1	20 mm dia	Nos.	6		
3.2	25 mm dia	Nos.	1		
3.3	32 mm dia	Nos.	1		
	UPVC - SWR SOIL,WASTE,VENT PIPES AND				
3	Providing, fixing, testing and commissioning of PVC soil, waste and vent pipe confirming to IS 13592 of SWR , TYPE "B" including all fittings, like Bends, Tees, Elbows, Collars, junction, offsets, access pipes, jointing with solvent cement followed by application of leak proof adhesive like FRP paste & laid on floors inside the toilets kitchen and utility to the required slope including making necessary bores in walls / foundations / concrete slab as applicable, making good the bores with CM 1:3 or cement concrete as applicable, curing etc., complete. (Core Cutting will be paid extra)				
	TOILET INTERNAL				
3.1	75mm dia	Mtr.	60		
3.2	110mm dia	Mtr.	75		
3.3	Providing, fixing, testing and commissioning of PVC soil, waste and vent pipe confirming to IS 4985 - 2000 of 6 kg / sq.cm pressure rated 10mm, including all fittings, like Bends, Tees, Elbows, Collars, junction, inspection doors, cowls, offsets, access pipes, jointing with rubber ring / solvent cement followed by application of leak proof adhesive like FRP paste, fixed to wall with properly fabricated MS bracket of suitable size, GI 'U' clamps with bolts, nuts and GI washers complete, for soil and waste pipe lines laid in vertical shafts.				
3.3.1	40 mm dia	Mtr	25		
3.3.2	63 mm dia	Mtr	30		
4	Supplying, fixing, testing and commissioning of approved make PVC vent cowl with necessary accessories etc., complete.				
4.1	75mm dia	Nos.	10		
4.2	110 mm dia.	Nos.	10		
5	Providing, fixing, testing and commissioning of PVC "P" trap of self cleansing design moulded or fabricated,available in size mentioned below, with or without vent arm jointing with rubber ring / solvent cement followed by application of leak proof adhesive like FRP paste including encasing all round fixing the "P" trap in cement concrete 1:2:4 ratio of size 300 x 300 mm x 250 mm height (approx) and making good the floors.				
	Notes:				
	Rate is excluding for earthwork and backfilling. It shall be measured separate and paid for.				
5.1	110mm dia inlet 110mm dia out let	Nos.	2		

6	Supply and fixing, of PVC multi inlet " Floor trap " with medium duty hinged type brass CP grating frame and cover (150mm x 150mm). Trap of 100mm dia. Inlet and 75mm dia outlet jointed to drainage pipes and seated firmly in sleeves provided in slab and grouting the joint between rim of the floor trap and concrete with suitable silicone sealants. Providing, fixing, testing and commissioning of CP grating of 6mm thick with rim including setting in floor with white cement mortar and making good the floor .	Nos	24		
7	Providing, fixing, testing and commissioning of PVC Gully Trap of 150 x 150 mm size with 100 mm dia outlet making excavation pit in all kinds of soil excluding soft rock and hard rock to a size of 600 x 600 mm and laying of 100 mm thick 1:4:8 mix cement concrete bed and constructing chamber with internal clear dimension of 300 x 300 mm using brick work 115 mm thick in cement mortar 1:6 up to a height of 300 mm above gully trap or up to 100 mm above paving level, plastering internal and external surface with cement mortar 1:4 to 15mm thick finishing to smooth inside surface with necessary benching and channelling providing 150 x 150 mm size cast iron grating, including 40 mm thick precast ready made light duty RCC cover slab, clearing the surplus material, earth etc. complete.				
	100mm x 100mm size 'P/S' trap	Nos	2		
8	Construction of brick masonry inspection chambers of internal clear dimension as mentioned below by using first class table moulded modular bricks 230 mm thick wall in cement mortar joints in 1:4, over CC 1:4:8 bed 150 mm thick including providing precast ready made medium duty RCC top slab in 1:2:4 Mix (1 cement: 2 coarse sand: 8 graded stone aggregate), with angle iron frame, inside plastering 15mm thick with CM 1:3 (1 cement (1 cement::3 fine sand) finished very smooth with floating coat of neat cement & making benching and channelling in cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate) neatly finished complete as per standard design and as per drawing and specifications. (The rate shall include necessary earth work excavation in all types of soil excluding soft and hard rock, back filling with available excavated coarse sand: 8 graded stone aggregate) Inside size of 600 x 600mm & depth not exceeding 600mm including providing 600 x 600mm RCC cover with MS I angle frame of size 50 x 50 x 6 mm thick.	Nos.	8		
9	PVC RAIN WATER PIPES AND FITTINGS				

9.1	Providing, fixing, testing and commissioning of PVC rain water pipe confirming to IS 13592 of SWR quality Class " A" Type pressure rated 10mm, including all fittings, like Bends, Tees, Elbows, Collars, junction, inspection doors, cowls, offsets, access pipes, jointing with rubber ring /solvent cement followed by application of leak proof adhesive like FRP paste, fixed to wall with properly fabricated MS bracket of suitable size, GI 'U' clamps with bolts, nuts and GI washers complete, for rain water pipe lines laid in vertical shafts.				
a)	75mm dia	Mtr.	30		
b)	110mm dia	Mtr.	30		
10	Providing, fixing, testing and commissioning of PVC welded rain water head / khurras dome type grating with puddle flange to fix head in RCC slab specially fabricated from minimum 4mm thick PVC sheet, including removable heavy duty PVC grating of 50 x 3 mm thick PVC flats (Round or Square) as per approved design The quoted rate shall include for necessary grouting the khurras base with approved sealant complete all as shown in the drawing and as specified.				
10.1	150 x 150mm PVC Grating	Nos.	10		
	TOTAL(EXCLUDING GST)				