

BOQ FOR CONSTRUCTION OF BRANCH BUILDING AT DAPORIJO WITH CURRENCY CHEST, ARUNACHAL PRADESH					
SL No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
	EARTH WORK				
	Excavation in All Kind of Soil, Soft Murrum, Hard Murrum				
1	Earthwork in Excavation, manually or by mechanical means, for foundation of walls, column footings, pile caps, raft, foundations, plinth beams, steps, water tanks, cess pits, etc., in all types of soil including soft or hard moorum, boulders (upto 0.10 cum) shoring the sides wherever necessary, bailing/pumping out sub-soil /rain water and keeping the foundation trenches and pits dry including filling back the trenches by selected and approved quality excavated earth in layers not exceeding 20 cm., watered and consolidated, spreading surplus excavated earth within plot and carting away surplus materials out of site, all complete as directed. Rate to include necessary cost towards transportation of remaining material rendered surplus out side the Bank's premises/site and disposing the same to approved municipal yard with all lead and lift including labour for loading, unloading surplus excavated earth complete as directed by the Bank. Excavation Level : Up to 2.0 mtr. depth below natural Ground	cum	555		
2	Earth Filling With Surplus Excavated Approved Quality Soil Filling approved quality available excavated srplus earth (excluding rock) in trenches, plinth, plinth protection, under floors, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering including all lead, lift and transportation within the site/plot/premises as directed by Engineer-in-charge.	cum	267		
3	Rubble Soling Providing and laying 230mm thick dry rubble soling using locally available approved quality stones, hand laid, well rammed, watered and consolidated, including filling the gaps/interstices/voids using quarry spalls and/or hand broken metal or shingle and blinding the same with stone grit murum, etc., compaction with mechanical/vibratory roller etc. complete as directed by the Engineer-in-charge. Note : Rates are including preparing the sub-grade to the required level and working to the required level, gradient, watering etc.	cum	115		
4	PLAIN CEMENT CONCRETE & ALLIED WORK				
	Plain Cement Concrete (PCC: Volumetric Machine Mix)				
	Providing and laying in position machine mix PCC (plain cement concrete) under foundation, plinth protection, floor slabs, grade slabs, coping, sill concrete etc. including transporting, laying, compacting, finishing the surface in line, level and plumb as per requirement and curing etc. complete. The Rate to include necessary formwork, centring, shuttering, complete in all respects and execution of work at all heights and location with required leads and lifts complete as directed by Engineer in charge.				
4.1	PCC 1:3:6 using 20 mm and downgrade metal (Coarse Aggregate).				
4.1.1	Levelling Course PCC Under Column Footing, Foundations etc.	cum	58		
4.1.2	Under Floors, Coping, Sills etc.	cum	35		
5	DPC 50mm thick				
	Providing and laying in position damp-proof course 50mm thick with cement concrete 1:2:4 using 12.5mm nominal size graded stone aggregate including providing & applying a coat of approved quality residual petroleum bitumen of grade VG-10 using @ 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	sqm	70		
6	REINFORCED CEMENT CONCRETE WORKS : Providing and laying in position mechanically mixed Reinforced Cement Concrete (RCC) of 1:1:2 using 20 mm and downgrade metal at all levels upto plinth level for various RCC structural elements in any shape and design as per structural drawings and as directed including transporting (manually / mechanically), laying, compacting and finishing the surface in line, level and plumb as required including cost of curing etc. complete. The Rate to include necessary formwork, centring, shuttering, complete in all respects and execution of work at all heights and location with required lead and lifts complete as directed by Engineer in charge. Up to Plinth level.	cu.m	107		
7	Providing and laying in position mechanically mixed Reinforced Cement Concrete (RCC) 1:1:2 using 20 mm nominal size and downgrade metal of specified grade in Super Structure (Excluding reinforcement) at all levels and hight for various RCC structural elements in any shape and design as per structural drawings and as directed including transporting (manually / mechanically), laying, compacting and finishing the surface in line, level and plumb as required and cost of curing etc. complete. The Rate to include cost of rquired formwork , centring, shuttering, complete in all respects and execution of work at all heights and location with required lead and lifts complete as directed by Engineer in charge. above plinth level.	cu.m	188		

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8	Ready Mixed Concrete (RMC) for RCC Work in Foundation and Plinth				
	<p>Providing and laying in position (M50) Ready mixed Reinforced Cement Concrete for various RCC structural elements in any shape and design as per structural drawings and as directed in foundation and plinth including Columns footings, Stub Columns, Raft, foundation, Plinth Bams, Floor Slabs etc. with cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer having continuous agitation, including pumping of R.M.C. from transit mixer to site of laying, spreading, compacting, finishing in line and level as per site requirements, including all lead, lift and cost of curing etc. complete.</p> <p>The Rate to include necessary formwork, centring, shuttering, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability complete in all respects and execution of work at all heights and location with required leads and lifts etc. as directed by Engineer-in-charge. foundation upto plinth level.</p>				
8.1	Column Footing, Raft Slab or any other type of RCC Columns from Footing Top to Plinth level (Stub Columns)	cu.m	158		
8.2	<p>Providing and laying in position (M50) Ready mixed Reinforced Cement Concrete for various RCC structural elements in any shape and design as per structural drawings and as directed in Superstructure including Columns footings, Stub Columns, Raft, foundation, Plinth Bams, Floor Slabs etc. with cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer having continuous agitation, including pumping of R.M.C. from transit mixer to site of laying, spreading, compacting, finishing in line and level as per site requirements, including all lead, lift and cost of curing etc. complete.</p> <p>The Rate to include necessary formwork, centring, shuttering, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability complete in all respects and execution of work at all heights and location with required leads and lifts etc. as directed by Engineer-in-charge. (Rate Excluding cost of reinforcement). (Above Plinth level)</p>	cu.m	88		
	STEEL REINFORCEMENT				
9	5.9 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level.				
9.1	Thermo-Mechanically Treated bars of grade Fe-500 D or More	Kg	37607		
10	6.9 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level (above Plinth level).				
10.1	Thermo-Mechanically Treated bars of grade Fe-500 D or More	Kg	28109		
	BRICK WORK				
11	Fly Ash Brick Masonry				
	<p>Providing and constructing Brick masonry walls in Foundation and Plinth using approved quality (sample approved by the Bank) non modular fly ash bricks conforming to IS:12894, class designation 100 having average compressive strength not less than 100 Kg/Sq cm in CM 1:5 for walls, shaft walls, parapets, drains, manholes, trenches etc. in proper line, levels and plumb including, striking out / raking out joints, curing, necessary scaffolding, etc complete for all heights and levels below plinth as per approved drawing and as per instructions of Architect / Engineer. (Upto Plinth Level).</p>	cu.m	15		
12	<p>Providing and constructing Brick masonry walls in Superstructure using approved quality (sample approved by the Bank) non modular fly ash bricks conforming to IS:12894, class designation 100 having average compressive strength not less than 100 Kg/Sq cm, in CM 1:5 (1 cement : 5 coarse sand) for walls, shaft walls, parapets, drains, manholes, trenches etc. in proper line, levels and plumb including, striking out / raking out joints, curing, necessary scaffolding, etc complete for all heights and levels as per approved drawing and as per instructions of Architect / Engineer. Rate should be quoted considering execution of work above plinth level upto and inclusive Floor Five level).</p>	cu.m	107		
13	Half brick masonry in superstructure using Class designation 10 Fly Ash Bricks with cement mortar 1:4 (1 cement : 4 coarse sand) beyond floor five level for each four floors or part thereof complete. Remaining scope of work and specifications will remain same.	sqm	400		

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	DOOR AND WINDOWS				
14	(A) Door/Window Frames Wooden Frames Providing and fixing in position Door frames of any size (for example 100 mm x 75 mm / 125 mmx 65 mm) made out of 2nd Class approved quality Teak Wood, properly fixed to brick wall / R.C.C. columns etc. with 3mm thick 300mm long M.S. hold fast (each door frame to have minimum 6 nos. holdfast) including painting with enamel paint over a coat of wood primer, applying anti-termite / bitumen paint to the wooden surface in contact with walls / columns etc. complete as directed at site. Clear height / length / width of the frame shall be measured for payment .	cum	1		
	(B) Door Shutters				
15	<u>Door Double Shutters for</u> <u>(Counting & Main Entrance area)</u> Providing and fixing 35mm thick factory made Solid Core Flush Door Shutters of approved make (ISI mark confirming to IS:2202) as per sample approved including providing 6mm thick TW lipping all around on edges. Both faces of the shutter duly laminated with 1mm thick approved quality and shade laminate. The rate includes necessary screw/fastners, hardware and the cost of polishing/painting of edges of shutter complete with following hardware fittings per shutter: (i) 4 Nos. 125mm x 64 mm x 2.5 mm SS Butt Hinges with SS Screw. (ii) 2 Nos. SS finish Tower Bolt-200mm long with SS screw. (iii) 2 Nos. SS Aldrop 300mm long with 20mm shoot fixed with SS screw. (iv) 1 nos 90 mm SS Door Stopper with SS screw (v) 2 nos 250mm x 25mm SS handle (vi) 8 mm thk. Clear glass Vision panel at required height and size as per Architectural drawing, fixed with approved quality moulded T.W. beading including polishing, enamel painting /polishing of beading complete as per sample approved. (vi) Make of hardware fittings, flush doors shall be as under : Flush Doors: Century, Green, Duro, Kit Laminate / Veneer: Century, Greenlam, Duro, Aerolam, Dolby Glass: Saint Gobain, Aasahi Float, Modi Guard Handles, Hinges and Other Hardware etc: Hettich, Haffle, Godrej , Dorset Door locks: Dorma, Dorset, Godrej.				
15.1	complete item as above item no 3 except applying synthetic enamel paint on both side with primer and putty in place of laminate.	sqm	35		
16	uPVC Door Shutters (only for Toulet) Providing & Fixing in position 24mm thick factory made uPVC door shutters made of styles and rails of a uPVC hollow section of size 59*2 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt edging on both sides. The styles and rails mitred and joint at the corner sby means of M.S. galvanised / plastic brackets of size 75*220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20*20 mm , 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100*24 mm, 2 mm (± 0.2 mm) wall thickness as per specification refer item	sqm	18		
	Fire Resistant Door				
17	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade),calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/ borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge.				
17.1	35 mm thick	sqm	5		
18	Window Shutters Aluminium sliding Window shutters (2Track) Providing & fixing in position powder coated Aluminium windows made out of 50 micron powder coating Aluminium section of approved make as under : (i) shutter section 18mm X 40mm (wt. 0.56 kg/m) & interlocking sections 18mm X 40mm (wt. 0.625 kg/m) . (ii) 6 mm thick plain clear float glass fixed with glazing clips/rubber/PVC gasket/roller bearing encased in nylon casing & self Locking catch filled in vertical section with all other accessories etc complete as directed by Engineer - in charge.				

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	(iii) Windows frame : 2 Track - 62mm X 31.75mm X 1.3mm thk. (wt. 0.90 kg/m) for bottom and 62mm X 31.75mm X 1.3mm thk. (wt. 0.838 kg/m) for top & sides (iv) Silicon sealant to be filled in gap between window frame and sill, siffits jams of the opening . Make : i) Aluminium Section : Hindalco / Jindal / Nalco or equivalent approved by SBI ii) Glass : Saint Gobain / Asahi Float / Modi Guard or equivalent approved by SBI a complete item as above item no 1 except 3 track in place of 2 track. Detail of 3 track are as under: Frame size 92mm X 31.75 mm X 1.3mm thk. (wt. 1.07 kg/m) for bottom and 92mm X 31.75mm X 1.3mm thk. (wt. 0.933 kg/m) for top and sides	sqm	56		
	Sqm 450				
	STEEL & IRON WORKS				
	Collapsible Gate				
19	Providing and fixing in position collapsible steel shutters with vertical channels 20*10*2 mm and braced with flat iron diagonals 20*5 mm size, with top and bottom rail of T. Iron 40*40*6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer with two or more coat of synthetic enamel paint.	sqm	15		
20	Stainless Steel Grills/Railing Providing and fixing in position, at all heights, levels and location, stainless steel of specified Grade for balcony Grilles, Staircase Railing etc. made up of SS hollow tubes, channels, plates etc. as per approved drawing, including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing rigidly with floor, walls etc. using required accessories including stainless steel dash fasteners, stainless steel bolts etc. of required size on the floor or on side of waist slab, Balconies with suitable arrangements as per approval of engineer-in-charge. Rates to include necessary civil repair for making the surface good, scaffolding etc. complete as directed at site.				
20.1	Using Stainless Steel Grade 316 Sections. Other Shutters	kg	1084		
20.2	Rolling Shutter Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover including providing and fixing ball bearing for rolling shutters, providing mechanical device chain and crank operation for operating rolling shutters etc. complete in all aspects.	sqm	5		
	FLOORING & FLOOR FINISHING				
21	Kotah Stone Flooring Providing and laying in position average 25mm thick hand chiesel cut and machine polished mirror finish Kotah Stone flooring and skirting laid over avg. 20 to 25 mm thick cement mortar 1:6 (1 cement: 6 coarse sand) bedding fixed with neat cement slurry in proper line, level, slope as required including filling joints with approved matching shade epoxy based joint filling compound. Rate includes mirror polishing of Kotah stone flooring as per sample approved by the Bank including making necessary cutouts for Electrical/Data/Telephone cables etc., cleaning of floor and skirting complete in all aspects, as specified in drawings and directed by the				
21.1	In Flooring using Kotah Stone slabs not less than 0.50 Sqm in plan area (except on edges/ends)..	sqm	66		
22	Vitrified Tile Flooring Providing & laying in-position Vitrified tiles in floor and skirting of approved make and colour uniformly in line, level and in approved design, including laying avg. 20 to 25 mm thick bed of CM 1:6 (1 cement : 6 coarse sand) and filling the joints with epoxy based joint filling compound of matching shade, curing the joints etc complete. Rates to include providing & fixing 100 mm high skirting as per drawing flushed with finished surface of wall in line and level and 6 mm wide groove to be made in wall at the junction of skirting and finished surface of wall etc. complete matching to flooring as per direction of Engineer In-Charge. Make: Kajaria, Somany, Simpholo, Johnson, RAK, Nitco Full body anti-skid/ Matt finish Vitrified tiles				
22.1	Size of Tile 600 * 600 mm	sqm	146		
22.2	Double Charged Nano Polish Gloss / Matt finished Vitrified tiles.				
22.2.1	Size of Tile 600 * 600 mm	sqm	310		

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23	Granite Stone Flooring (Machine Polished / Flame Burnt etc.) Providing and laying in position 18mm ± 2mm thick machine cut pre-polished Granite stone flooring and skirting in approved colour, shade, design and patterns as per architectural drawings ilaid over 20 mm (average) thick cement mortar 1:6 (1 cement : 6 coarse sand) bedding fixed and jointed with neat cement cement slurry and filling joints using white cement slurry admixed with pigment of matching shade or epoxy based joint filling compound of approved make including grinding, mirror polsihing, curing, nosing, making grooves etc. complete as specified in the Architectural drawings and as directed by the Engineer-in-Charge.				
23.1	Kitchen Counter Top & Staircase : Finished with 18+/-2mm approved qulaity, Colour, shade and textutre mirror polished Granite slab (minimum length of slab shall not be less than 1.80 Meter for Kitchen counter and one single piece for Vanity Counters for wash basin etc.) resting on 18mm thick white marble base support slab (in one piece) and fixed with CM 1:2 or approved tile adhesive as directed at site.	sq.m	36		
24	Ceramic Tiles Providing and laying in position Ceramic tiles of size 300mm x 300mm of approved make and shade in proper slope, line, level with neat Cement slurry on inside walls and floors of Under Ground and Over Head Water Tanks etc. complete.				
	Make : Make: Kajaria, Somany, Simpholo, Johnson, RAK, Nitco	sq.m	171		
	PLASTERING WORK:				
25	Ceiling Plaster Providing applying in position 10/12mm (average) thick single coat cement plaster to Ceiling, Soffit of Chhajja, Cantilever Balconies or any other RCC projection/surface in approved pattern and design in cement mortar 1:4 in proper line and level using approved quality silt free natural sand (Fine or Coarse as directed) at all heights and locations including necessary scaffolding, curing etc. complete as directed by the Engineer-in-charge. Rate includes making Flush/raised/sunk or moulded bands of any width, recesses, making grooves etc. complete as per Architectural drawings and no extra payment shall be considered for the same.	sq.m	980		
26	Internal Wall Plaster Providing and applying in position average 12/15mm thick smooth finish cement Plaster in cement mortar 1:5 to all inetrnal walls, using fine or Coarse sand and adding polypropylene fibre of approved quality in desired quantity per bag of cement as per manufacturers specifications complete. Rate includes providing chicken mesh to all joints of RCC members with Brick walls in all positions in proper line, level & plumb at all levels and heights with necessary scaffolding, cleaning of surfaces, raking out joints, roughening of surfaces ,curing etc complete as directed at site. Rate includes making Flush/raised/sunk or moulded bands of any width, recesses, making grooves etc. complete as per Architectural drawings and no extra payment shall be considered for the same.	sqm	1218		
27	External Plaster (Sand Face) Providing and laying in position external Sand Face Cement Plaster, average 20 mm thk, in two coats, at all heights with first coat of av. 12 mm thk in Cement Mortar 1:5 using natural silt free fine sand, and second coat of average 6 mm thickness in C.M. 1:4, including necessary stagging, scaffolding, curing, roughening the first coat to recieve second coat of plaster etc, providing approved water proofing compound @1 kg per bag of cement or as specified by the manufacturer and adding polyproplyne fibre of approved make as per manufacturers specifications to prevent shrinkage cracks, complete as directed by the Engineer-in-charge.	sq.m	420		
	PAINTING				
28	Birla Putty on Internal wall Providing and applying 2 or more coats of Birla putty on internal walls of average thickness of 3 to 4 mm in line & level including its rubbing with sand paper to ensure smooth & even surface including necessary scaffolding etc. complete. Make :- Birla or approved equivalent make	sq.m	2198		
29	PAINTING				
29.1	Acrylic Emulsion Paint on new surface Providing and applying 2 or more coats of approved Acrylic Emulsion paint with roller finish over a coat of primer on internal walls including necessary scaffolding etc. complete as per manufacturers' specifications.				
29.1.1	Make:- Asian / Nerolac / Berger / Dulex	sq.m	2198		
29.2	External Painting with higher Graded Elastomeric Paint on new surface Providing and applying Elastomeric paint to external walls on new surface as under a) Providing applying 2 or more coats of External grade Birla putty on exrtrenal walls in line & level including its rubbing with sand paper to ensure smooth & even surface b) Providing and applying one coat of water based Acrylic anti fungal primer of approved quality and make as per sample approved. c) Providing and applying one coat of fibre reinforced membrane paint water proofing coat of "Protek Basecoat" of Asian / "Weather coat long life Roof Guard" of Berger / "Aqua Touch" of ICI or equivalent approved by the SBI having crack bridging ability up to 2.00 mm, superior anti-carbonation & water proofing property.	sq.m	420		

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	d) Providing and applying 2 or more coat of approved quality External Acrylic Emulsion paint, Exterior grade having anti gungal property, resistance to dust & dirt accumulation, resistance to fading of colours etc. Of approved colour and shade Apex Ultima (Asian) / Weather coat all guard (Berger) / weather shield max (ICI) or equivalent approved by the SBI				
30	Synthetic Enamel Paint Providing and applying Synthetic Enamel Paint on doors / windows frame, shutters, railing, grills, gates etc. in two or more coat of approved brand and shade including a priming coat as per manufacturers' specifications, after necessary preparation of surface with scrapping, sand paper rubbing, applying putty, including necessary scaffolding etc. complete as directed by the Engineer-in-charge.				
	Paint: Asian, Nerolac, Berger, Dulux	sq.m	188		
	WATER PROOFING WORK				
	Brick Bat Coba on Terrace along with china chip flooring Providing and laying in-position integral cement based water proofing treatment average 120mm thick including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying neat cement slurry using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by the Bank over RCC slab including adjoining walls up to 300 mm height including cleaning the RCC surface neatly, removing mortar lumps, mortar splashings etc., if any, complete before treatment. b) Providing and laying maximum 20 mm thick cement mortar 1:4 (1cement : 4 coarse sand) admixed with water proofing compound (conforming to IS : 2645) at the rate of 1 kg/bag of cement or as per manufacturers' specifications, including laying in required position in flooring including curing the surface and testing the same for 7 days for water tightness. c) Laying brick bats in cement mortar using broken bricks/brick bats of 25 mm to 115 mm size with 50% of cement mortar 1:4 admixed with approved water proofing compound conforming to IS : 2645 followed by 20 mm thick layer of cement mortar 1:4 admixed with water proofing compound to required slope and treating adjoining walls up to 300 mm height and including rounding at junctions of walls and slabs by following same process. d) After curing the surface by ponding for 5-7 days, finishing the surface with 20mm thick cement mortar of mix 1: 4 admixed with water proofing compound at the rate of 1kg per bag, including providing and laying approved quality broken China Mosaic in approved colour, pattern and design in neat cement float, giving proper slopes, compaction, curing, finishing preparing bell mouth and through cleaning of finished china mosaic surface etc. The rate shall also includes china chip Mode of Measurement : Plan area inside parapet wall	sq.m	611		
	ELECTRICAL CONDUITS & RELATED WORK				
32	Supplying and fixing of following sizes of steel conduit along with accessories in surface/ recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.				
32.1	25 mm	metre	354		
32.2	Providing & fixing hexagonal box for ceiling fans fabricated out of 1.2 mm thick MS sheet inclusive junction box	Each	18		
	SANITARY INSTALLATIONS & WATER SUPPLY				
33	FLOOR MOUNTED EUROPEAN WC Providing and fixing white vitreous Floor Mounted European Water Closet of size 55 X 36 X 39 cm (minimum) with heavy duty solid plastic seat cover along with lid, GI rag bolts, Pan connector all necessary fittings and hardware etc. complete including cutting and making good the walls and floors wherever required as per the Architectural drawings, as specified, as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge.				
	Model : Hindware - Green 20079 / Jaquar - CNS-WHT- 551PSPP / Cera - Signa - S1051108 or equivalent approved by SBI	each	8		
34	WASH BASIN WALL MOUNTED Providing and fixing white glazed vitreous Wall Mounted Wash Basin of size 55 X 40 cm (minimum) with all accessories like C.I. brackets, C.P. brass waste coupling, waste pipe, pvc connection pipe, painting of C.I. brackets, necessary fittings and hardware like rawl plug, rag bolt etc., cutting and making good the walls wherever required etc. complete as per the Architectural drawings, as specified, as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge.				
	Basin : Hindware - Mario 10087 / Jaquar - Continental - CHS-WHT-801 / Cera - Clair S2040105 or equivalent approved by SBI. Waste Coupling : Hindware / Jaquar / Cera or equivalent approved by SBI	each	8		

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35	Mirror Providing and fixing in position Bevelled Edge Mirror made up of approved quality 5 mm thick approved quality toughed glass fixed on 6 mm thick MR ply / Asbestos sheet fixed to wooden cleats with 25 mm dia. S.S. stud fitting in all corners complete in all respects with fittings and hardware as directed by Engineer-in-charge				
35.1	Make:- Saint Gobain / Aasahi Float / Modi Guard or equivalent approved by SBI	each	8		
35.2	Providing and fixing CP Brass toilet paper holder	each	8		
36	Gate Valve Providing and fixing in position ISI marked Class-2 Gate Valve (Screwed End) of approved quality, made up of Bronze, with CI Wheel with minimum working pressure of 15kg/cm ² , confirming to IS : 778 - 1984, with necessary fittings and hardware etc. complete as per the manufacturer's specifications and per the directions of the Engineer-in-Charge. Rate should include necessary excavation in trenches and refilling and repairing the surface to its original position including execution of work at all heights and locations with necessary scaffolding, staging etc. complete.	each	2		
37	KITCHEN SS SINK Providing and fixing Stainless Steel grade 304 Kitchen Sink confirming to IS: 13983 with C.I. painted brackets including 40mm dia. C.P. waste coupling, C.P. Brass chain and rubber plug, choke-stop strainer, with necessary C.P. brass unions, PVC waste pipe etc. all complete including cutting and making good the walls wherever required etc. complete as per the Architectural drawings, as specified, as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge. Kitchen Sink with Drain Board of minimum size 1000 X	each	1		
38	CPVC Pipeline Providing, Laying, cutting, jointing, fixing and Testing of SDR-11 Chlorinated Polyvinyl Chloride (CPVC) Pipes conforming to IS:15778, UV resistant, having thermal stability for hot & cold water supply, including all types of CPVC plain & brass treaded specials and fittings as per the requirement, jointing of pipes and fittings with one step CPVC solvent cement and by Teflon tape on threaded end etc. complete as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge. Make of all fittings shall be similar to pipe make including testing of pipes. Rate should include necessary excavation in trenches and refilling and repairing the surface to its original position including execution of work at all heights and locations with necessary scaffolding, staging etc. complete.				
38.1	20 mm dia. Pipe	rm	40		
38.2	25 mm dia. Pipe	rm	10		
38.3	40 mm dia. Pipe	rm	70		
39	Soap Dish Holder Providing and fixing C.P. Brass Soap Dish Holder of approved quality with all necessary accessories and hardware like C.P. brass wall flange, screws, rawl plug including drilling holes in walls and making it good etc. complete as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge. Model : Hindware - F880011CP / Jaquar - ACN-CHR-1131N / Cera - Hera - F5007106	each	15		
40	Towel Rail Providing and fixing 450 mm long C.P. Brass Towel Rail of approved quality with all necessary accessories and hardware like C.P. brass wall flange, screws, rawl plug including drilling holes in walls and making it good etc. complete as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge.	each	11		
41	URINALS WITH SENSOR Providing and fixing white vitreous AC Supply based Infrared Sensor Operated Urinal of size 29 X 32 X 57 (minimum) with Sensor kit having 2 litre water per flush or equivalent with water inlet from back side, including fixing to wall with suitable C. I. brackets, GI rag bolts, C.P. brass waste coupling including cutting and making good the walls and floors wherever required as per the Architectural drawings, as specified, as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge. Urinal Model: Hindware - Flow - 60021 / Jaquar - URS- WHT-13255 with Sensor - SNR-STL-51083 / Cera - Calcia EFS - S4010101 or equivalent approved by SBI	each	4		
42	Sink Cock				

SL No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
	Providing and fixing wall mounted 15 mm C.P. Brass Sink Cock of approved quality with long swivel spout, aerator, wall flange etc. complete as per the directions of the Engineer-In-Charge.				
42.1	Swan Neck Sink Cock : Hindware - F280026CP / Jaquar - FLR-CHR-5347N / Cera - Ripple F1017251 or equivalent approved by SBI	each	4		
43	Pillar Cock Providing and fixing 15 mm C.P. Brass Pillar Cock of approved quality with aerator, 450 mm long SS flexible braided hose pipe (with Nipple, Nut, O-Ring) with gasket, installation kit, all other fittings and fixtures as per the manufacturer's specification etc. complete as per the directions of the Engineer-in-Charge.				
43.1	Regular Pillar Cock - Hindware - F400001CP / Jaquar - OPP-CHR-15001PM / Cera - Chelsea F1016101 or equivalent approved by SBI	each	9		
44	Conceal Stop Cock Providing & fixing C.P. Brass Concealed Stop Cock consisting of concealed body of stop cock, including C.P. exposed part kit having sleeve, handle and wall flange with all fittings and fixtures, cutting and making good the walls wherever required etc. complete as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge.				
44.1	15 mm Bore : Hindware - Concealed Body - F850096CP & Exposed Kit - F330009CP / Jaquar - Concealed Body - ALD-CHR-083 & Exposed Kit - CON-CHR-083FTK / Concealed Body - F4050102 (15 mm) & Exposed Kit - Ocean - F3001351 / or equivalent approved by SBI	each	31		
45	CPVC Pipeline Providing, Laying, cutting, jointing, fixing and Testing of SDR-11 Chlorinated Polyvinyl Chloride (CPVC) Pipes conforming to IS:15778, UV resistant, having thermal stability for hot & cold water supply, including all types of CPVC plain & brass treaded specials and fittings as per the requirement, jointing of pipes and fittings with one step CPVC solvent cement and by Teflon tape on threaded end etc. complete as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge. Make of all fittings shall be similar to pipe make including testing of pipes.				
	Rate should include necessary excavation in trenches and refilling and repairing the surface to its original position including execution of work at all heights and locations with necessary scaffolding, staging etc. complete.				
45.1	80 mm dia. Pipe	rm	100		
45.2	100 mm dia. Pipe	rm	50		
46	Non-Return / Check Valve Providing and fixing ISI marked Bronze Non-Return / Check Valve (screwed end) of approved quality conforming to IS : 778 - 1984, for horizontal / vertical flow with all necessary fittings and hardware etc. complete as per the manufacturer's specifications and per the directions of the Engineer-in-Charge.				
	Rate should include necessary excavation in trenches and refilling and repairing the surface to its original position including execution of work at all heights and locations with necessary scaffolding, staging etc. complete.				
46.1	40 mm nominal bore	each	1		
47	Nahani Trap with SS Gratings Providing & fixing PVC Nahani trap of 75mm dia diameter, with necessary distance piece of 75mm dia pipe and 150x150mm SS grating, making necessary slab / wall holes and cutting walls, etc. complete as directed by Engineer-in-charge. (Toilet Area + Kitchen / Utility Area + Balcony Drain) Make: Astral / Supreme / Prince or equivalent approved by SBI	each	10		
48	Overhead Water Storage Tank Supplying, installing, testing and commissioning at all height 3 layered Rotational Moulded polyethylene cylindrical vertical water storage tank of required capacity conforming to IS 122701 : 2006, consisting of manhole with cover, inlet and outlet including shifting the tank manually / mechanically at required height, connecting inlet, outlet and over-flow pipe properly with necessary brass fittings & fixtures etc. complete as directed by Engineer-in-charge. Make : Sintex / Vectus / National Plastic / equivalent approved by SBI				
	Supplying, installing, testing and commissioning at all height 3 layered Rotational Moulded polyethylene cylindrical vertical water storage tank of required capacity conforming to IS 122701 : 2006, consisting of manhole with cover, inlet and outlet including shifting the tank manually / mechanically at required height, connecting inlet, outlet and over-flow pipe properly with necessary brass fittings & fixtures etc. complete as directed by Engineer-in-charge.				

SL No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
48.1	Make : Sintex / Vectus / National Plastic / equivalent approved by SBI	ltr	4000		
49	Health Faucet Providing and fixing CP ABS Health Faucet with regulator including accessories like CP ABS Wall Hook, and 1.00 mtr. (min.) long flexible SS braided hose pipe (with Nipple, Nut, O-Ring) with gasket, installation kit, all other fittings and fixtures as per the manufacturer's specification etc. complete as per the directions of the Engineer-in-Charge. Model : Hindware - F160068CP / Jaquar - ALD-CHR- 573 / Cera - F8030109AB or equivalent approved by SBI	each	12		
SERVICES : SEPTIC TANK					
<u>EARTH WORK</u>					
50	Earth work in excavation by Mechanical means(Hydraulic Means)/ Manual Means over Areas(exceeding 30 cm in Depth 1.5 m in width as well as 10 sqm on Plan) Including getting out disposal of excavated earth .lead upto 50 m and lift upto 1.5 m , as directed by Engineer-in-charge				
50.1	All kinds of Soil	cum	26		
51	Providing granular cushion with clean, insert naturally occurring gravel or crushed broken stone, of the best quality locally available obtained from naturally occurring granite or quartzite from approved sources with material graded between 50 mm to 0.5 mm size and with 15% extra sand/ stone dust by volume as per specifications and drawings, laid in layers of 300 mm with each layer properly compacted with mechanical vibrator and or light roller.	cum	4		
<u>PLAIN CEMENT CONCRETE & ALLIED WORK</u>					
52	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - all works up to plinth level : 1: 3: 6 (1 cement : 3 coarse sand delivered from natural sources : 6 graded stone aggregate 40 mm nominal size)	cum	2		
<u>REINFORCED CEMENT CONCRETE WORKS</u>					
53	Providing and laying in position ready mixed or site batched design mix M-25 cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/Ordinary Portland/Portland Slag cement, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note : Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works upto plinth level Concrete of M25 grade with minimum cement content of 330 kg/cum	cu.m	9		
54	<u>STEEL REINFORCEMENT</u> Reinforcement for RCC work including straightning, cutting, bending, placing in position and binding all complete. -- with Thermo-Mechanically Treated bars of grade Fe-500D or more-- Tata/SAIL	Kg	850		
55	<u>PLASTERING WORK:</u> 15mm cement plaster on the rough side of single or half brick wall of mix :				
55.1	1:4 (1 cement : 4 fine sand)	sqm	26		
55.2	20 mm thick cement plaster of mix				
55.3	1: 4 (1 cement : 4 sand)	sq.m	26		
SERVICES : DRAIN					
<u>EARTH WORK</u>					
Excavation in All Kind of Soil, Soft Murrum, Hard Murrum					
56	Earthwork in Excavation, manually or by mechanical means, for foundation of walls, column footings, pile caps, raft, foundations, plinth beams, steps, water tanks, cess pits, etc., in all types of soil including soft or hard moorum, boulders (upto 0.10 cum) shoring the sides wherever necessary, bailing/pumping out sub-soil /rain water and keeping the foundation trenches and pits dry including filling back the trenches by selected and approved quality excavated earth in layers not exceeding 20 cm., watered and consolidated, spreading surplus excavated earth within plot and carting away surplus materials out of site, all complete as directed. Rate to include necessary cost towards transportation of remaining material rendered surplus out side the Bank's premises/site and disposing the same to approved municipal yard with all lead and lift including labour for loading, unloading surplus excavated earth complete as directed by the Bank. Excavation Level. Up to 2.0 mtr. depth below natural Ground	cum	35		

SL No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
57	Rubble Soling Providing and laying 230mm thick dry rubble soling using locally available approved quality stones, hand laid, well rammed, watered and consolidated, including filling the gaps/interstices/voids using quarry spalls and/or hand broken metal or shingle and blinding the same with stone grit murum, etc., compaction with mechanical/vibratory roller etc. complete as directed by the Engineer-in-charge. Note : Rates are including preparing the sub-grade to the required level and working to the required level, gradient, watering etc.	cum	16		
PLAIN CEMENT CONCRETE & ALLIED WORK					
58	Plain Cement Concrete (PCC: Volumetric Machine Mix) Providing and laying in position machine mix PCC (plain cement concrete) under foundation, plinth protection, floor slabs, grade slabs, coping, sill concrete etc. including transporting, laying, compacting, finishing the surface in line, level and plumb as per requirement and curing etc. complete. The Rate to include necessary formwork, centring, shuttering, complete in all respects and execution of work at all heights and location with required leads and lifts complete as directed by Engineer in charge.	cum	12		
58.1	PCC 1:3:6 using 20 mm and downgrade metal (Coarse Aggregate). Levelling Course PCC Under Column Footing, Foundations etc.				
REINFORCED CEMENT CONCRETE WORKS					
59	Providing and laying in position mechanically mixed Reinforced Cement Concrete (RCC) of 1:1:2 using 20 mm and downgrade metal at all levels upto plinth level for various RCC structural elements in any shape and design as per structural drawings and as directed including transporting (manually / mechanically), laying, compacting and finishing the surface in line, level and plumb as required including cost of curing etc. complete. The Rate to include necessary formwork, centring, shuttering, complete in all respects and execution of work at all heights and location with required lead and lifts complete as directed by Engineer in charge. Up to Plinth level.	cu.m	16		
60	STEEL REINFORCEMENT 5.9 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level.				
60.1	Thermo-Mechanically Treated bars of grade Fe-500 D or More	Kg	910		
SERVICES : DEEP TUBE WELL					
61	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (Part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, beyond 90 metre & upto 150 metre depth below ground level.				
61.1	Rocky strata including Boulders 400 mm dia	R.M	90		
62	Supplying, assembling, lower and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. All complete, for all depths, as per direction of Engineer-in-charge.				
62.1	200m nominal size dia	R.M	80		
63	Supplying, fitting, spreading & leveling coarse sand of size range 1.5 .. tp 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer-in-charge.	CUM	40		
64	Development of tube well in accordance with IS: 2800 (Part I) and IS : 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well be "V" notch method or any other approved method, measuring static level & draw down etc. by step drawn down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc. all as per requirement and direction of Engineer-in-charge.	HOUR	4		
65	Supplying including installation, connection as approved by the department, testing and commissioning of Submersible Pump set, single phase with steel cable rope and submersible cable complete as directed and specified by the Dept. Single phase Submersible motor pump set (Texmo / Crompton Greaves/ Aquatic/ CRI/ V-Guard/ Calma make) suitable for 100 mm bore well and above. 5 HP STAGE 14 to 50 with control panel.	EACH	1		
65.1	Fully Automatic citation Star delta Starter (Crompton Greaves / Control & Switch Gear / BCH/ L&T / Siemens make) for 2.4-13.5 A, 3 to 15 HP motor.	EACH	1		
65.2	Supplying, fitting and fixing ISI approved PVC filter 3.00 metre long - 50 mm dia	EACH	8		
65.3	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement 1:3:6 (1 cement : 3 coarse sand derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	CUM	0.5		

SL No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
66	Providing and fixing Polyethylene- Aluminium- Polyethylene PE-AL-PE Composite Pressure Pipes conforming to IS - 15450, U.V. Stabilized with carbon black having thermal stability for hot & cold water supply capable to withstand temperature up to 80 degree C, including all special fittings of composite materials (engineering plastic blend and brass insert wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 metre spacing. This includes the costs of cutting chases and including testing of joints complete as per direction of the engineer-in -charge.				
66.1	4050 (50mm OD) pipe%	RM	75		
66.2	Supplying, fitting and fixing check valve (non return valve) including thread to pipes. 50mm dia	EACH	3		
67	Supplying, fitting and fixing Iron removal filter filling with treated sand, pebbles, manganishodioxide and other required materials of various filtration rate per hour of DOLPHIN make with all necessary fittings such as valve, bibcock pipe connection etc. with a free maintainance period of six months With Zoloto fittings : 2000 liter capacity - 6mm thick Vessel FRP	EACH	1		
	Providing and fixing Polyethylene-Aluminium Polyethylene PE-AL-PE Composite Pressure Pipes conforming to IS - 15450, U.V. Stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upt to 80 degree C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with trenching, refilling and testing of joints complete as per direction of the engineer-in-charge.				
68	3240 (40mm OD) pipes.	RM	30		
OVERALL COST					