

NIRSOM PVT LTD

SUMMARY				
Sr. No.	Description	Morph Scope	Client Scope	Remark
1	Civil Work	-		Tentative Quote
2	STONE & Tile work	-		
3	Plumbing Work	-		
4	Electrical Work	-		
5	Interior Finish Work	-		Tentative Quote
6	Fixed Furniture		CI	Tentative Quote
7	Loose Furniture		CI	Tentative Quote
8	Signages		CI	Tentative Quote
9	Light Fixtures		CI	Tentative Quote
10	TV		CI	Tentative Quote
A	Total Cost of Project		-	
B	Total Cost of Project			
C	GST @ 18%			
D	Total Amount after Taxes, E = (C+B)			
TERMS & CONDITIONS				
1	Payment Terms:			
2	Provision of water and electrical supply to be provided by the client			
3	This is a tentative budget and billing will be done as per the actual work carried out at site			
4	Any item which is not in BOQ will be charged extra and work on the same will be proceeded post approval from the client			
5	Space for stacking of material and also lockable arrangement for same to be provided.			
6	If required arrangement for DG will be provided by client			
7	If any approval or permission for carrying out the work at site from any government/private agency etc to be provided before starting of the work at site by the Client.			
8	All rates are excluding GST			
9				
	NOTE: ALL CI ITEMS QUOTATION ARE TENTATIVE VARIES AS PER DETAIL DRAWING.			

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BILL OF QUANTITIES - CIVIL WORK						
Item No.	HEAD/ITEM	UOM	BOQ QTY	Rate	AMOUNT	REMARKS
1.00	Earthwork in Excavation					
1.01	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas not exceeding in depth. 1.5m. Including disposal of excavated earth for all lead and lift as per drawings including disposed earth to be levelled and neatly dressed as per instructions from Engineer-in-charge.	Cum		350.00	0.00	
1.02	Filling available excavated earth (excluding rock) in trenches, plinths, sides of foundations and in adjacent areas to profiles, shapes and levels etc. in layers not exceeding 200 mm in depth, consolidating each deposited layer by ramming and watering, within premises complete all as specified and as per instructions from Engineer-in-charge.	Cum		300.00	0.00	
1.03	Supplying ,Stacking, ramming & compacting good earth brought from outside, free from organics impurities to fill in the plinth of premises complete all as specified and as per instructions from Engineer-in-charge.	Cum		400.00	0.00	
1.04	Providing and injecting chemical for anti-termite treatment and creating chemical barrier under and all around the column pits, wall trenches, top surfaces of plinth filling, junctions of walls and floors, along the external perimeter of buildings, over the top surface of consolidated earth on which plinth protection is to be laid complete, in accordance with IS:6313 (Part II). (Plinth area of the building at ground level shall only be measured): Using BAYERS PRODUCTS .	Sqm		110.00	0.00	
	Total of Earth work in Excavation				0.00	
2.00	Plain Cement Concrete					
2.01	Providing and laying plain cement concrete with coarse sand and graded stone aggregate, 20 mm nominal size in foundations, footings and under floors on grade laid and cured including necessary formwork etc., complete, of nominal mix: 1:4:8 or M10	Cum		6300.00	0.00	
	Total of Plain cement concrete Work				0.00	
3.00	Reinforced Cement Concrete Work					

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3.01	Providing and laying in position, specified Design mix of RCC, including compacting and curing complete but excluding centering, shuttering and reinforcement, M-25 grade of concrete : The concrete shall be of good quality finish with almost flawless new ply shuttering with proper & straight lines grooves as per the Architect's requirement. Cement Make UltraTech/ACC/Lafarge.	Cum		8000.00	0.00	
	Total of cement concrete Work				0.00	
4.00	Reinforcement works					
4.01	Providing & laying all reinforcement steel in position TMT (Thermo Mechanically Treated) bar reinforcement in all reinforced concrete works including straightening, cutting, bending, binding with 18 gauge annealed steel wire, complete, of grade: Fe-500. Make shall be RATHI/KAMDHENU	Kg		88.00	0.00	
	Total of Reinforcement Works				0.00	
5.00	Centering And Shuttering works					
	Providing, erecting, fixing in position and striking ply wood / steel shuttering & centering for form work in plane / slopes at all levels, heights & locations for all shapes including striking, propping, chamfers, splays, keys, wedges, props, bracings, rackets, cutting holes for pipes and removal of the same etc., complete. allow for forming grooves, drops, throats, arises, chamfers, cutouts, openings, G.I sleeves etc. wherever called for. Providing and applying approved form oil on all surfaces of form work coming in contact with concrete complete as per specifications, drawings and as directed .					
5.01	Footing, raft, stich slab, pedestals, pile caps, etc.	Sqm		950.00	0.00	
5.02	Columns of any size/RCC Walls (FOR ALL FLOOR HEIGHTS)	Sqm		1100.00	0.00	
5.03	Suspended floors, roofs, landings balconies (FOR ALL FLOOR HEIGHTS) by MS plates	Sqm		800.00	0.00	
5.04	Sides and soffits of floor beams/plinth beams	Sqm		950.00	0.00	
5.05	Suspended floors, roofs, landings balconies, access platform, Lintels, Stairs, cantilevers (excluding landing) except spiral staircases (FOR ALL FLOOR HEIGHTS). If shuttering by plywood.	Sqm		1100.00	0.00	
	Total of Centering & Shuttering Works				0.00	
6.00	Bricks and Plaster Work					

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6.01	230 mm Thk Brick work in Cement mortar 1:6 (1 cement : 6 coarse sand).	Cum		8500.00	0.00	
6.02	115 mm Thk Brick work in Cement mortar 1:4 (1 cement : 4 coarse sand) with 6mm dia bar at every fourth coarse.	Sqm		2400	0.00	
6.03	Providing and applying cement plaster in 1:4 mix including curing etc. Cement: UltraTeck/ACC i/c mixing of water proofing compound & recron fibre.					
a	18-20mm Thk External Plaster	Sqm		525	0.00	
b	12-15mm Thk internal Plaster	Sqm		400	0.00	
	Total of Brick & Plaster Work				0.00	
7.00	Structural Steel Works					
7.01	Providing, Erecting and fixing in position at all heights and with all leads, new structural steel works including girders, tubes, plates of minimum Grade 240MPa . Make: TATA/Jindal/ SAIL. It shall also include two coats of red-oxide paint of Burger/ Asian. Welding and welding rods shall be per the BIS Code. Work shall be completed as per the Structural/ Architectural drawings and under the guidance of Engineer-in-Charge.	Kg		160	0	
					0	
	Total of Structural Steel Work					
	Extra Items					
1	Drip mould (TAPAK) Making in chajja and balcony for rain water	RMT		125		
2	Groove Making with Aluminium profile	RMT		200		
3	Re-Baring Work					
A	8 mm dia bar	Nos		105		
B	10mm dia bar	Nos		120		
C	12mm dia bar	Nos		135		
D	16mm dia bar	Nos		265		
E	20mm dia bar	Nos		525		
F	25mm dia bar	Nos		750		
4	Scaffolding for façade work for one month	SQM		120		
5	DISMENTALING WORK					
i	Dismantling of existing partitions, flooring, Walls , services etc & stacking the serviceable material within the premises as directed by project manager	CUM.		1800.0	-	
ii	Brick dismantling work	SQM		550.0		
iii	Dismantling of existing RCC, flooring, Walls , services etc & stacking the serviceable material within the premise's as directed by project manager	CUM.		12,500.0	-	
iv	RCC chipping	SQM		755.0		
v	Carring away the malba or unwanted material & debris to nearest municipal dumping ground/ out side site. AS per actual cost	NO.			-	
vi	Plaster work Chipping	SQM		250.0		
	TOTAL DISMENTALING WORK				-	

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6	M.S structure & Deck sheet for Shade					
a	Structural steel work riveted, bolted or welded fixing arrangement in Tubular built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	KG		150	-	
b	Deck sheet	SQM			-	
c	Supply & fabricating of barricading & fixing	SQM		1025.00		
7	Waterproofing					
	<p>- providing and applying dr fixit pidifin 2k on Floor + wall upto 1'0" height included. The surface of application must be thoroughly prepared by mechanical means, to remove all loose particles, laitance, etc. Any surface undulations, cracks and crevices must be duly filled or repaired with cement sand mortar mixed with latex polymers All vertical up-stands & junctions /corners are provided with 45° fillet with cement sand mortar mixed with latex polymers Applying 2-3 coats of ACRYLIC CEMENTITIOUS WATERPROOF COATING on all over the sunken slab portion and upwards over the masonry walls up to a height of 2-3 feet, i.e. over the splash zone of shower, etc. to ensure complete waterproofing. 6 to 8 hrs after completion of first coat, take up second coat application in a direction perpendicular to the first Proper curing to be done as per direction of the site in charge</p>	SQM		600		
	Water Proofing of Washroom:					
7.1	<p>Surface Preparation: Providing and cleaning the surface to make it free from all the loose mortar, dust, and other contaminants and protrusions which may damage the membrane, etc complete, water wash as directed by engineer in charge.</p> <p>Providing and applying waterproofing treatment with tape create (4 coat) including 1 layer 12 mm thick base plaster and 1 layer 10 mm thick protective plaster in 1:5 ratio (1 cement,5 sand) cement mortar work to be carried out through a specialized agency and a guarantee of 10 year to be provided for the same.Applica0on to be as per manufacturer instruc0on.</p> <p>Waterproofing Membrane: Providing and installing a premium type waterproofing using Ardex WPM 002 a highly flexible acrylic co polymer based synthetic micro fibre reinforced, heavy duty waterproofing membrane in two coats including 300mm height on the vertical surface , etc complete as per the manufacturer's technical specifica0on and as directed by engineer in charge. Membrane shall confirm to: Elonga0on at break 33%, tensile strength 2.9 MPa.</p>	SQM		1350	-	
7.2	Plaster: Providing and plastering at 12-15 mm thick cement-sand (1:4) mortar of cement complete as per the manufacturer's technical specifica0ons and as directed by engineer in charge.	SQM		400	-	

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8	Supply and install RCC for lintels and Cast in Situ RCC bands/ counter slab/ pedestals etc. in 1:1:2 cement concrete (1 cement : 1 coarse sand : 2 stone aggregate 20mm & down gauge) laid to perfect level with shuttering & nominal reinforcement including curing complete ,Scissor lift ,facade beam gf, second floor slab & ramp(previous 13.1)	CUM		7,700	-	
9	Providing and laying PCC screeding in floors in 1:2:4 cement concrete (1 cement : 2 coarse sand : 4 stone aggregate 20mm & down gauge) including Curing complete on site mix with PPC	CUM		6800	-	
10	Providing and laying IPS Flooring in floors in 1:1.5:3 cement concrete (1 cement : 1.5 coarse sand : 3 stone aggregate 20mm & down gauge) including Curing complete.	cum		7200	-	
11	Supply of unskilled labour on man days basis for miscellaneous works	NO.		750	-	
12	Deep cleaning of house at final hand Over to Client	LS		12,000	-	
13	Pest control treatment / anti rodent treatment through an approved agency during and post completion treatment.	SQM		110	-	
14	Chemical fasteners of HILTI /FISCHER make	NO.		As per req.	-	
	TOTAL AMOUNT				-	

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BILL OF QUANTITIES - CIVIL WORK

Item No.	HEAD/ITEM	UOM	BOQ QTY	Rate	BOQ AMOUNT	REMARKS
	FLOORING AND CLADDING WORKS					
1.0	Laying & fixing Italian marble upto Rs200/sqft in flooring in cement sand mortar bedding of 1:4 .	Sft		400	-	
2.0	Same as above with chemical	Sft		450	0	
3.0	Fixing the marble upto Rs200/sqft any other stone on plastered surface with adhesive	Sft		450	0	
4.0	Do same as above but 1"to 8" wide strips	Rft		450	0	
5.0	Fixing the marble upto Rs 200/sqft any other stone on the plywood or metal with keralastic chemical	Sqft		500		
6.0	Do same as above but 1"to 8" wide strips	Rft		500	0	
7.0	Making the 24" Wide pantry platform, washbasin counters.	Sqft			0	
8.0	Fixing the tiles upto Rs 40/sqft on already plastered wall	Sqft		120		
9.0	Do same as above but Tiles in flooring with cement mortar	sqft		130	0	
10.0	Fixing the Tiles upto Rs40/sqft non plastered vertical surfaces using chemical	sqft		150	0	
11.0	Do same as above but 1"to 8" wide strips	rft		150	0	
12.0	Fixing the Bissaza Tiles on the plastered vertical surfaces	Sqft				
13.0	Providing machine mixing, laying of 40 mm thickness Indian Patent Stone floor in cement concrete mix of 1:2:4	Sqft			0	
					0	
A	OTHER WORK RELATED TO MARBLE/				0	
1.0	Making moulding in Marble/Granite - upto	Rft		130	0	
2.0	Making moulding in Marble/Granite - upto 3/4" thk	Rft		165	0	
3.0	Making moulding in Marble/Granite - upto	Rft		180	0	
4.0	Making Patta Detail in Marble/Granite 2/8"	Rft		330	0	
5.0	Making Cunny Detail in Marble/Granite/	Rft		135	0	
6.0	Making Zero Point effect at the joints	Rft				
7.0	Making Groove Detail in Marble/Granite -	Rft		150	0	
8.0	Making hole in marble/Oles/granite for	Nos		1100	0	
9.0	Fixing the nahni trap Jalis as per	Nos		170	0	
10.0	Fixing of floor spring with proper making of	Nos				
11.0	Making Cutout hole for proper basin/Sink	Nos		1100	0	
12.0	Marble/Granite/Stone Polishing work				0	
a	Marble floor Diamond polishing	Sqft		100	0	
b	Marble dado polishing with hand machine	Sqft		150	0	
c	Polishing of the Marble Strips	Sqft		100	0	
d	Polishing of the Edge/patta/cunny/	Rft		90	0	
e	Marble/Granite Moulding Polishing -3/8"	Rft		50	0	
f	Marble/Granite Moulding Polishing -3/4"	Rft		90	0	
g	Marble/Granite Moulding Polishing - 1 1/2"	Rft		110	0	
h	Buffing for exis0ng polished Marble fixed	Sqft		50		
13.00	Providing and fixing vinyl / PVC Sheets to	Sqft		25	0	

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14.00	Providing & Applying Aqua mix	Sqft		50	0	
15.00	Removing POP Sheet from Floor	Sqft		10		
16.00	P/Filling same color match Epoxy	Sqft		10	0	
10	MISCELLANEOUS WORK					
10.1						
10.2						
10.3						
10.4						
10.5						
10.6						
10.7						
10.8						
10.9						
	Total					

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BILL OF QUANTITIES - CIVIL WORK

Item No.	HEAD/ITEM	UOM	BOQ QTY	Rate	BOQ AMOUNT	REMARKS
I	Sub Head-I Sanitary Installation					
1	All Sanitary Fixture & C.P.Fittings Makes Approved by architects/Client 1 Fixing vitreous China wall mounting type (European type) water closet with C.P.Bolts, nuts, C.I. Chair or other hanging/fixing arrangement, solid plastic seat with lid, C.P. brass hinges and rubber buffers, 32 mm dia flush pipe with clamp and adaptor rubber joint connected to dual Flush low volume Concealed flushing cistern , C.P. brass screws and washers complete, including cutting and making good the walls floors where required.					
a	W.C Anglo Indian upto Rs 4000 with Solid plastic seat cover (Make - architects/Client approval)	Each		6950		
2	Fixing vitreous China wall mounting type (European type) water closet with C.P. Bolts, nuts, C.I. Chair or other hanging/fixing arrangement, solid plastic seat with lid, C.P. brass hinges and rubber buffers, 32 mm dia flush pipe with clamp and adaptor rubber joint connected to dual Flush low volume Concealed flushing cistern, C.P. brass screws and washers complete, including cutting and making good the walls floors where required upto Rs 4500	Each		7350		
3	Fixing C.P brass ablution health faucet assembly with 1.2 m long braided PVC hose with mounting bracket fixed on wall complete. (Jaquar or equivalent) or as per architects/Client approval make. Faucet upto Rs1200	Each		1600		
4	Fixing Stainless Steel finish toilet paper holder with stainless steel roller complete, including cutting and making good the walls where required. (Jaquar) or as per architects/ Client approval make. Faucet upto Rs 800	Each		1100		
5	Fixing vitreous China wash basin over Counter round/oval with waste coupling fitting,32mm CP cast brass bottle trap and pipe to wall with CP wall flange and rubber adopter for waste connection, including cutting and making good the walls where required complete in all respects. (Hindware equivalent) or as per architects/Client approval make. Washbasin upto Rs 5000	Each		6880		

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6	Fixing Single lever tall boy Basin Mixer without popup waste system with Braded hose, Complete including cutting and making where required complete in all respects. (Jaguar or equivalent) or as per architects/Client approval make. Mixer upto Rs2500	Each		3100		
7	Fixing vitreous China wash basin Under Counter round/oval with waste coupling fitting,32mm CP cast brass bottle trap and pipe to wall with CP wall flange and rubber adopter for waste connection, including cutting and making good the walls where required complete in all respects. (Hindware, Jaguar continental) or as per architects/Client approval make. Upto Rs 3000	Each		4000		
8	Fixing Central Hole Basin Mixer without popup waste system with Braded hose, Complete including cutting and making good the walls where required complete in all respects. or as per architects/Client approval make upto Rs3000	Each		4000		
9	Fixing stainless steel sink with waste & R.S or C.I brackets painted white complete including cutting and making where required. Single bowl upto Rs1800	Each		2500		
a	Fixing S.S. Sink with drain board 1145 x 510 x 200 mm Nirali SBS04 (DX) BOWL size (550 x 404 x 250) or as per architects/Client approval make upto Rs 6000	Each		7000		
b	Fixing S.S. Sink without drain board 610 x 460 x 200mm Nirali (CSB - 04) or as per architects/ Client approval make upto Rs5000	Each		6000		
10	Fixing mirror of superior glass (of approved quality) and of required shape and size with plastic molded frame of approved make and shade with 6 mm thick hard board backing : Upto Rs 2000	Each		3000		
11	Fixing shower set with concealed diverter with spout and flexible hand shower including necessary cutting & making good the walls wherever required.					
	Make : Jaquar-Single lever Concealed Divertor , Exposed shower parts, bath tub spout , flexible b tube , hand shower wall hook Complete. or as per architects/Client approval make upto Rs 15000	Set		17000		

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12	Fixing instant type hot water heater with inner container of copper sheet glass wool insulation stove enameled M.S. Jacket thermostatically controlled immersion heater with pilot neon lamp 15 mm inlet CP brass stop cock with pilot neon lamp 15 mm inlet and outlet. .					
	Capacity 25 litres geyser upto Rs7200	Each		8200		
	Capacity 15 litres geyser upto Rs 6500	Each		7300		
	Capacity 5 litres geyser upto Rs 5500	Each		6200		
13	Fixing 100% stainless steel grating with S & S frame of approved make and quality grade 18/8 – 304 on top of floor trap. The rate includes the cost of all ancillary works and material as required to complete the works					
a	(127mm Dia x 1 mm) upto Rs500	Each		700		
b	(100mm Dia x 1 mm) upto Rs450	Each		650		
14	Fixing C.P. brass shower (with 15- or 20-mm inlet Shower Arm (Jaquar SHA 487)					
a	100 mm diameter (Jaquar) or as per architects/Client approval make. Upto Rs1800	Each		2250		
b	180 mm diameter (Jaquar) or as per architects/Client approval make upto Rs2500	Each		3000		
15	Fixing C.P. brass bib cock (Jaquar) of approved quality conforming to IS: 8931 or as per architects/Client approval make.					
a	15 mm nominal bore upto Rs450	Each		700		
16	Fixing C.P. brass long nose bib cock (Jaquar) of approved quality or as per architects/Client approval make.					
a	15 mm nominal bore upto Rs 500	Each		750		
17	Fixing C.P. brass Wall Mixer with bend pipe on upper side (Jaquar) of approved quality confirming to IS standards. Upto Rs2500	Each		3000		
18	Fixing C.P. brass angle valve for basin mixer and geyser points of approved quality confirming to IS : 8931					
a	Fixing C.P. brass angle valve for basin mixer and geyser points of approved quality confirming to IS : 8931 upto Rs 300	Each		500		
b	15mm nominal bore (Jaquar) or as per architects/Client approval make. Upto Rs 2200	Each		2400		
19	Fixing C.P. brass Bottle trap 32 mm (as per architects/Client approval make) single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 263 gms. upto Rs1200	Each		1400		

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20	Fixing C.P.brass towel ring round (Jaquar) with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.upto Rs600	Each		750		
21	Fixing C.P.brass towel rail (jaquar) complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.					
a	600 mm long towel rail with total length of 600 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms upto Rs1100	Each		1250		
22	Fixing of 15 mm C.P brass wall mounted mixing fittings swinging spout for sink complete including cutting and making where required. (Pantry, Kitchen, etc.) upto Rs 2000	Each		2600		
23	Fixing testing and commissioning of Acrylic Bathtub / Jacuzzi including auto overflow set, with waste connection complete. As per provided by client	Each		6050		
24	Fixing Orissa Pan WC with low level PVC flushing cistern setting with cement mortar complete upto Rs 1000	Each		2650		
25	Making connection of solar panel with all inlet and outlet connection complete.as panel provided by client	Each		1650		
26	Fixing of Thermostatic Shower mixture divertor with inlet & outlet connection complete upto Rs7000	Each		9000		
27	Fixing of Body shower expose / concealed type with making provision complete. Upto Rs 5000	Each		6000		
28	Fixing testing and commissioning of CP brass wall mounted wash basin mixture divertor with spout and control complete. Upto Rs5000	Each		5700		
29	Fixing of Deck mount bath tub mixture with spout & telephonic hand shower complete upto 12000	Each		19500		
30	Fixing of CP copper pipe connection / flexible connection pipe 450 mm long with CP nut & washer complete upto Rs 400	Each		470		
31	Fixing of 3 / 4 exit Thermostatic Shower mixture divertor with inlet & outlet connection complete.	Each				
	Total Subhead I					
II	Sub head II (Soil ,vent ,waste and rain water pipes & accessories)					

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1.00	Supplying, installing, testing & Commissioning of PP mineral filled low noise pipes and fittings with push fit rubber ring sockets pipes and fittings confirming to EN-12056, with density 1.9gm/ cm3 .piping is to be suspended from ceiling level with necessary fitting and cutting the pipe to the required length including short pieces , assorted fittings such as plug/plain tee /swept tee with or without door, bends and elbows or any other standard fittings are included rate.					
	All the external & internal drainage pipes are to suspended blow the ceiling / along the wall and pipes are to supported by the modular clamps. The rate includes the cost of all types of clamping & no other separate rate shall be given.					
a	110 mm Dia	RM		2250.00		
b	75 mm Dia	RM		1750.00		
c	50 mm Dia	RM		1450.00		
d	40 mm dia	RM		1250.00		
2.00	Providing and fixing P Trap with minimum 100mm water seal with rubber seal on inlet to push fit hopper for indirect waste connections (Fitting HSN Code :-39174000)					
a	110 mm Dia inlet and 110 mm outlets	Nos		1550		
3.00	Supplying, installing, testing & Commissioning of Supreme UPVC pipes for below ground level with necessary fitting and cutting the pipe to the required length including short pieces, assorted fittings such as plug/plain tee /swept tee with or without door, bends and elbows or any other standard fittings are included. The rate shall include chasing of walls , laying of pipes as per standard working procedures. (for soil, water and rain water pipes Make:- Supreme UPVC					
	all the External & internal drainage pipes are to be along the wall and the pipes are to be supported by modular clamps. The rate includes the cost of all types of clamping and no other separate rate shall be given					
a	110 mm Dia 6kg	RM		1550.00		
b	75 mm Dia 10 kg	RM		750.00		
c	50 mm Dia 10 kg	RM		550.00		
d	40 mm Dia 10 kg	RM		450.00		
4.00	Providing and fixing P Trap with minimum 100mm					
a	110 mm Dia inlet and 110 mm outlets	Nos		1050		
5.00	Providing and fixing push fit cap plug of for					
	110 mm Dia	Nos		1250		

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6.00	Providing, fixing, testing and commissioning of pipe inlet fitting fabricated with P.P. Pipe with maximum 3 inlets 40, 50& 75-mm OD size P.P. pipe, fixed to 'P' traps including Drip seal/Pipe seal/solvent weld joint/rubber ring joint complete.	Nos		1450		
7.00	Providing and fixing floor drain (FD) with 75mm outlet and 750 mm inlet with P.P. with elbow complete for shower area.	Nos		1550		
8.00	Providing & fixing air admittance Valve including Drip seal/Pipe seal/solvent weld joint/rubber ring joint complete.					
a	100 / 110 mm dia	Nos		5250		
9.00	Providing & fixing PVC WC connector (straight or bend type) with rubber lip ring. Including 110 mm dia PVC pipe) / bend of required length and proper connection with M seal to C:I pipe complete as required.	Each		850		
10.00	Providing and laying cement concrete 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate, 20 mm down gauge) 75 mm in bed and all around soil and waste pipes under floor, including shuttering and centering for: -					
a	100 mm dia	RM		550		
b	75 mm dia	RM		450		
c	50 mm dia	RM		400		
d	40 mm dia	RM		350		
11.00	Only fixing Shower channel with SS grating 800mm length along with trap to suit side connection or bottom connection.	Each		1500		
12.00	Providing & fixing G.I. Clamps with E.P.D.M. rubber beading with threaded rod & Dash fasteners					
a	75 mm dia.	Each		200		
b	100 mm dia.	Each		250		
c	150 mm dia.	Each		350		
13.00	Connection of PVC FCU and A/C Drain Area to Floor Trap/ Waste Pipe located at shaft including all fitting and accessories complete with jointing and civil work.	Each		2500		
14.00	Cutting good holes in walls and floors and refilling the same with cement mortar complete for soil, waste and water supply works.					
a	Brick hole	Each		550		
b	RCC hole	Each		850		
15.00	Cutting of concrete core cut in slab or beam by core cut machine through authorized agency with repairing the hole with filling of micro concrete complete					
a	For 75 mm core cut	Each		850		
b	For 100 mm core cut	Each		1250		
c	For 150 mm core cut	Each		1650		
16.00	Providing & fixing C.I.Grating with including					
a	150x150mm	Each		1050		

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16A	Providing All related materials & constructing 300 x 300 x 300 mm masonry chamber for Gully trap by providing & fixing S.W.Gully trap set in to cement concrete including necessary excavation & one coat of neat cement over 6 to 10mm thickness cement plaster & C.I Frame & cover.	Each	5500		
17.00	Excavating trenches of require width for pipes including excavation for sockets, and dressing of sides ramming of bottoms, depth upto required depth including getting out of excavated soil, and then returning the soil as required, in layers not exceeding 20 cms in depth including consolidating each deposited layer by ramming, watering etc. and disposal of surplus earth as directed within a lead of 50 m. any kind of soil. (road cutting & breaking R.C.C./ P.C.C. will paid				
a	Pipe dia exceeding 80mm dia but not exceeding 3	RM	375		
18.00	Providing all related materials & constructing square/ rectangular type masonry chamber as man hole with 230mm thick brick wall, foundation concrete 1:5:10 (1 cement :5 coarse sand :10 coarse aggregate of 25 to 40mm nominal size), making channels with cement concrete 1:2:4 (1 Cement : 2 Coarse Sand : 4 Coarse aggregate of 20 to 25mm nominal size) , necessary excavation, & a floating coating of neat cement over 12 mm thickness cement plaster. With HD 10 Grade SFRC				
a	450 x 450x450 mm up to 600mm depth	Each	9500		
b	600 x 600x601 mm up to 900mm depth	Each	11500		
c	900 x 800x901 mm up to 1050mm depth	Each	14500		
19.00	Providing and constructing brick masonry rectangular type road gully chamber with 75 class designation bricks in cement mortar 1:5 (1 Cement : 5 Coarse sand) finished with a floating coat of neat cement over 12mm th cement plaster, inside and exposed surfaces 100mm thick. foundation concrete 1:4:8 (1cement : 4 Coarse sand : 8 Coarse aggregate of 20 to 25 mm nominal size) R.C. C. top slab 1:2:4 (1cement : 2 Coarse sand : 4 Coarse aggregate of 20 to 25				
a	450 x 450 mm & upto 750mm deep with SFRC Gra	Each	9500		
b	450 x 500 mm & upto 750mm deep with SFRC Gra	Each	9500		
19C	Extra For Water Tank M.H. 600 x600	Nos	3000		
20.00	Providing and fixing M.S. structural work fabricated from standard sections e.g. M.S. rounds, angles, channels including cutting to size, drilling, welding, fixing and welding to insert plates in RCC structural members as directed complete.	kg	150		
21.00	Providing & fixing M.s slotted Angle complete.	RM	300		

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22.00	Providing and fixing PVC pipes (confirming to IS 4985- 2000) including all fittings (plain or door) e.g bends, tees, offsets etc. and fixing with as recommended by the manufacturer, necessary fixing arrangement including cutting chase or holes in walls / floors and making good the same complete as per specification.					
c	200mm dia (with 6 Kg/cm2 Pressure)	RMT		2250		
d	160mm dia (with 6 Kg/cm2 Pressure)	RMT		1550		
f	110mm dia (with 6 Kg/cm2 Pressure)	RMT		950		
h	75mm dia (with 10 Kg/cm2 Pressure)	RMT		650		
23.00	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 25 to 40mm nominal size) 100 mm in bed and all-round embedded in the ground etc.)					
b	200mm dia	RMT		950		
c	160mm dia	RMT		750		
d	110mm dia	RMT		550		
f	75mm dia	RMT		450		
Total Soil, Waste, Vent & Rain water Pipe						
III	Sub Head- III Water Supply System					
All require pipes & fittings will be " PEALPE" Pex For information						
1.00	Providing and fixing PE-AL-PE Composite Pipes (BS:7291 Part I) complete with composite internal brass fitting, fasteners etc. including cost of cutting and making good the walls and floors complete. Make Kitec Pex					
a	15 mm diameter	RM		1050		
b	22 mm diameter	RM		1200		
c	28 mm diameter	RM		1550		
d	35 mm diameter	RM		1750		
e	42 mm diameter	RM		2450		
f	54 mm diameter	RM		2950		
2.00	Providing & fixing G.I. Clamps/ hangers with EPDM rubber along with necessary fixing arrangements etc.					
a	15 mm diameter	Nos		110		
b	20 mm diameter	Nos		115		
c	25 mm diameter	Nos		125		
d	32 mm diameter	Nos		140		
e	40 mm diameter	Nos		150		
f	50 mm diameter	Nos		165		

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3.00	Providing and fixing " CPVC " SDR 11 Pipes with all necessary fittings, clamps, including cutting chases and making good the walls, etc. (underground for municipal main to underground .tank & garden hydrant pipes					
a	20 mm Dia	RM		400		
b	25 mm Dia	RM		525		
c	50 mm Dia	RM		1200		
	All Required G.I. Pipes will be Jindal Hissar & Fittings will be Unik Make					
4.00	Excavating trenches of require width for pipes including excavation for sockets, and dressing of sides ramming of bottoms, depth upto required depth including getting out of excavated soil, and then returning the soil as required, in layers not exceeding 20 cms in depth including consolidating each deposited layer by ramming, watering etc. and disposal of surplus earth as directed within a lead of 50 m. any kind of soil. (road cutting & breaking R.C.C./ P.C.C. will paid separately) Max Depth up to 750 mm)					
a	Pipe dia not exceeding 80mm dia	RM		375		
5.00	Providing brass non-return valve full bore type with screwed female ends complete tested to 20 Kg/ cm2					
	15mm dia	Each		700		
	40mm dia	Each		2400		
	50mm dia	Each		3500		
6.00	Providing brass ball valve full bore type with lever and screwed female ends complete tested to 20					
a	15 mm diameter	Each		600		
b	20 mm diameter	Each		850		
c	25 mm diameter	Each		1200		
d	32 mm diameter	Each		1800		
e	40 mm diameter	Each		2400		
f	50 mm diameter	Each		3200		
7.00	Providing & fixing high pressure ball cock with copper floats.					
a	40mm dia	Each		3000		
8.00	Providing & fixing G.I. puddle flanges fabricated from G.I. pipes (heavy class) as per standard design complete with 5 to 6mm thick MS Plate welded with zinc painted for UG Tank.					
	25 mm dia	Each		1200		
	32 mm dia	Each		1500		
	40 mm dia	Each		1800		
	50 mm dia	Each		2200		

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9.00	Providing and fixing brass auto air vent valve PN 10 rating of GIA complete suitable for domestic cold water supply.					
a	15 mm dia nominal bore	Each		1550		
10.00	Providing & Insulating hot water lines with extended synthetic Rubber Polymeric compound performed pipe sleeves, using propriety adhesive and self adhesive tapes all as per manufacturer's specifications (for hot water supply and return pipe work					
10.1a	20mm dia nominal bore (9mm thick.)	RMT		150		
b	25mm dia nominal bore (9mm thick.)	RMT		175		
c	32mm dia nominal bore (9mm thick.)	RMT		200		
d	40mm dia nominal bore (9mm thick.)	RMT		225		
e	50mm dia nominal bore (13mm thick.)	RMT		300		
10.2a	15mm dia nominal bore (6mm thick.)	RMT		125		
b	15mm dia nominal bore (9mm thick.)	RMT		150		
c	20mm dia nominal bore (6mm thick.)	RMT		150		
d	25mm dia nominal bore (6mm thick.)	RMT		150		
	Total Water Supply System					
VI	Sub Head-VI PUMPS & ACCESSORIES					
1.00	RAW WATER, WATER SUPPLY & ACCESSORIES					
	Providing fixing Domestic water pumps (Vertical type) Open well submersible sump pump Single/ three Phase 400/440 volts along with the following capacity. For Domestic Underground Water Tank to Overhead Water Tank Filling Bey Filter					
	Domestic water supply Pump : From Underground water Tank to O.H.Tank					
a	Capacity : 100 Lpm					
b	HP : 3 HP or as required					
c	Two Pumps with Electrical Panel					
d	(one working & one Stand by/ both working					
e	Make : - Wilo/Grundfoss with Electrical Panel					
f	Make : - Wilo/Grundfoss with Electrical Panel	Set			As per design and approval	
g	For Fixing, Testing & Commissioning etc as above	Set			As per design and approval	
h	f) Quantity : 1 set consists of 2 Nos. of Mono block Open well Horizontal type stainless steel pump with motor, total discharge of 2 x 100 lpm at 35-40 mtr head, with water level indicator for each motor, dry running prevention, system in AUTO/ MANUAL control, mounted on common base frame with pressure gauge, common C.P.V.C.delivery header with					

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2.00	Providing fixing Raw water pumps (Vertical type) pump Single/ Three Phase 400/440 volts along with the following capacity. For Raw water Overhead Water Tank to Treated Water Overhead Water Tank Filling Bey Filter& Softener System					
	Raw water supply Pump : From Raw Water O.H.Tank to Treated Water O.H.Tank					
a	Capacity-100.3 LPM					
b	Head-30 to 35 mtr					
c	HP-3 HP or as required					
d	Two Pumps with Electrical Panel					
e	(One working & one Stand by					
f	Make : - Wilo/Grundfoss with Electrical Panel	Set		As per requirement and approval		
g	For Fixing, Testing & Commissioning etc as ab	Set		As per requirement and approval		
	Product Name: - Grundfos with Inlet/Outlet manifolds, NRV, Butterfly valves, Panel and Level Switch					
3.00	Providing & fixing hydropneumatic variable speed Vertical type stainless steel pumps, connected to TEFC induction motor with logic controlled panel of ABB make suitable for 400/440 Volts, 3 Phase, 50Hz,AC 3-phase and per the following details:					
A	. For Domestic Water Supply System to all Toilets			As per requirement and approval		
	(a) Capacity of each pump : 200 lpm					
	(b) Head : 30-35 meter					
	(c) HP : as required					
	(d) Capacity of blader vessel : 100 Lit - 1 No					
	(e) RPM : 2853/2900					
	(f) Make : - Wilo/Grundfoss with Electrical Panel					

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	(g) Quantity : 1 set consists of 2 Nos. of Vertical type stainless steel pumps with S.S. shafts, S.S. impeller with motor, total discharge of 2 x 200 lpm at 35-35 mtr head, one bladder pressure transducer control panel with MCB's and vessel 100 ltr capacity, 2 Nos. frequency inverter, contactor for each motor, dry running prevention, excess pressure prevention, sequencer to start pump alternatively etc., mounted on common base frame with pressure gauge common suction and delivery header SS	Set		As per requirement and approval		
	Make : Pump : Wilo/Grundfoss	set				
4.00	Providing and fixing liquid level controller for pumps including probes, wiring, cable, conduit and making connection to pump panel complete in all respects and making system functional (sensor should be mercury float type.			As per requirement and approval		
I	For Raw Water pump to Domestic Water Tank :					
	1 no. each sensor at mid level of Domestic UG tank to Start of pump, one no. each at higher level of O.H.Tank to cut off pump, one no each for dry running protection			As per requirement and approval		
a	Sensor with panel	Each				
b	Cable (2 core 2.5 mm)	RM				
c	Conduit	RM				
d	Installation	Each				
II	For Tube well pump to Under ground Water Tank :					
	1 no. each sensor at mid level of underground Raw water tank to start in pump, one no. each at higher level of Underground Raw water Tank to cut off pump, one no each for dry running protection			As per requirement and approval		
a	Sensor with panel	Each				
b	Cable (2 core 2.5 mm)	RM				
c	Conduit	RM				
d	Installation	Each				
5.00	Providing & fixing of pressure sand filter with multiport valve of the following specifications:- (One for Tube Well Water) at terrace level			As per requirement and approval		
	(a) Diameter : 575 - 600 mm/ as MFD					
	(c) HOS : 1200 - 1300mm					

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	(d) Depth of filter media : 900 - 1000mm				
	(e) Filtration capacity : 6 cu.m/hr.				
	(f) Filter Media : Multigrade Sand				
	(g) Material of Construction : F.R.P				
	(h) Manhole size : 50 - 65mm				
	(i) Working Pressure : 3 Kg/Sq.cm.				
	(j) Make : Ion exchange/Thermax	Each			
	(k) For Fixing, Testing & Commissioning etc as above	Each			
	backwash, drain, air vent etc. and one no test cock and pressure gauge to be supplied by the				
6.00	Providing & fixing flow adjustable type Electronic Type chlorine dozer of the following specification including the cost of first charge of chemicals. (for Tube Well Water) at terrace level			As per requirement and approval	
	a) Capacity : 6 LPH				
	(b) Max. Injection Pressure : 1.5 Kg/Sq.cm.				
	(c) Tank Capacity : 50 Litre.				
	(d) Make: Asia LMI / Prominent	Set			
	(e) For Fixing, Testing & Commissioning etc as above	Set			
7.00	Providing & fixing water softening system with multiport valve of the following specifications (for Tube Well Water)			As per requirement and approval	
	(a) Diameter : 575 - 600 mm/ as per MFD				
	(b) Shell thickness : 1 - 1.5 mm.				
	(c) HOS : 1200 - 1300mm				
	(d) Depth of filter media : 900 - 1000mm				
	(e) Filtration capacity : 6 cu.m/ hr.				
	(f) Filter Media : Indian Cation Exchange Resin-220NA				
	(g) Material of Construction : F.R.P.				
	(h) Manhole size : 50 - 65mm				
	(i) Working Pressure : 3 Kg/Sq.cm .with FRP or HDPE brine tank of 200 Ltrs capacity.				
	Test pressure 4.5 Kg/Sq. cm, Hardness: 400 PPM (approx.)AND AS PER WATER TESTING				
	(j) Make : Pentair/Ion exchange/ Thermax	Set			
	(k)For Fixing, Testing & Commissioning etc as above	Each			
	Note : All face piping, valves, (such as inlet, outlet, backwash, drain ,air vent etc. and one no test cock and pressure gauge to be supplied by the contractor and water quality test certificate to be submitted on commissioning.				
8.00	Providing & fixing R.O.system (for tube well water use for domestic at terrace level)of the following specifications			As per requirement and approval	
	(e) Filtration capacity : 100ltrs/hr				
	(g) Material of Construction : S.S. 304/316				
	(i) Working Pressure : 3.5 Kg/Sq.cm.	Set			
	(j) Make : ion exchange /Pentair				
	For Fixing, Testing & Commissioning etc as above				

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9.00	Providing, fixing, testing and commissioning of motorized valve of following dia for filling of over Head water tank complete with high and low level control switches to control the valve. The level controllers shall be installed in over head tanks. The level switch will close the valve when water level is high water tank level is low. The in whether proof casing etc. (Make : Belimo/Audco/ Advance/AIP) system should be complete in all respects with accessories, 220 V AC/24V DC IP 67 electrical water level control unit, copper			As per requirement and approval		
a	40mm nominal bore	Each				
10.00	Providing & fixing of pressure Carben filter with multiport valve of the following specifications:-					
	(a) Diameter :575-600 mm/as per MFD					
	(b)Shell Thickness :1-15 mm					
	(c)HOS :1200-1300 mm					
	(d)Depth of filter media :900-1000mm					
	(e)Filtration capacity :6 cum/hr					
	(f) Filter Media :Activated Media Make-ion-Exchange					
	(g) Material of Construction :FRP					
	(h) Manhole size : 50 - 65mm					
	(i) Working Pressure : 3 Kg/Sq.cm.					
	(j) Make : Ion-Exchange /Pentair	Each				
	Note : All face piping, valves, (such as inlet, outlet, backwash, drain, air vent etc. and one no test cock and pressure gauge to be supplied by the contractor and water quality test certificate to be submitted on commissioning.					

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11)pumps	Providing, installation, testing and commissioning of following pumps suitable for 415 Volts connected with T.E.F.C. induction motor, M.S. channel, base plate complete with vibration isolators, isolating valve on suction and discharge, non return valve on discharge, pressure gauges with stop cock and dial type thermometer on suction or discharge. The pump shall have mechanical seal. The pump shall be SS casing, impeller, shaft and CI (Epoxy coated) base & EPDM Mechanical seal (suitable for hot water temperature up to 85 deg C.) (Make-Grundfos) including control panel with IP 65 protection with necessary starters , timer, over load relay ,sequential starting arrangement and Auto / Manual Sector switch complete.) 1 Set hot water pump recirculation pump toilet to hot water mixing tank					
I	Hot Water Recirculation Pumps			As per requirement and approval		
a	Capacity : 40-45 Lpm					
b	Head : 20-25 meter CPVC Header					
c	HP : 2 HP or as required					
d	Two Pumps with Electrical Panel					
e	(one working & one Stand bey/ both working					
f	Make : - Grundfoss with Ele. Panel	set				
g	For Fixing, Testing & Commissioning etc as above	set		As per requirement and approval		
	Total Sub Head-VI PUMPS & ACCESSO					
Vii	Sub Head-VII HEAT PUMPS					
II	Heat Pump & Hot Mixing Tank					
1.00	450 Litre Storage & 5.8 KW output Air to Water Heat Pump. 120 L per hour. Sufficient for 6					
	HOT WATER MIXING TANK of cap. 450 Ltrs complete with inlet cold water, inlet/outlet, drain connection with flanges, with required manhole with bolted cover, including 4 no's ball valves, 2 no's dial type thermometer, 01 no's automatic air vent valve, 01 no's thermal bleed valve, 01 no's strainers, with two thermowell complete in all respects. The tank shall be fabricated out of S.S.- 304 of thickness (shell 4 mm & dish 5 mm), duly insulated with 100mm thick Rock Wool insulation with 24 gauge aluminum cladding with MS supporting structure ladder & drain valve. with electric backup heaters provision of 18 Kwh with control panel. With temperature guage.			As per requirement and approval		
	Installation, testing and commissioning of above systems	Nos 15				

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2.00	<p>Supply A.O Smith Heat Pump, with rated heating capacity of 1.01 KW, with rated power input of 3.6 kw. 450 ltr per hour hot water capacity. Water flow of 3 CMH, With Eco-friendly R410a/2.8 Kg, Cold Air Flow of 4120 CFM, With Water connection size of DN32. Having net weight of 170 kg, Dimension of Unit would be 719X761X1160mm. A.O Smith -HPA-80</p>	No		As per requirement and approval		
	<p>450 Litre inbuilt Storage tank & 3.5 KW output Air to Water Heat Pump. 80 L per hour. Triple protection – Humidity sensor, built-in Anti-dry & Anti-frost function. Water can be heated upto 65°C with heat pump mode, which prevents breeding of Legionella bacteria</p>					
	<p>HOT WATER MIXING TANK of cap. 450 Ltrs complete with inlet cold water, inlet/outlet, drain connection with flanges, with required manhole with bolted cover, including 4 no's ball valves, 2 no's dial type thermometer, 01 no's automatic air vent valve, 01 no's thermal bleed valve, 01 no's strainers, with two thermowell complete in all respects. The tank shall be fabricated out of S.S.- 304 of thickness (shell 4 mm & dish 5 mm), duly insulated with 100mm thick Rock Wool insulation with 24 gauge aluminum cladding with MS supporting structure ladder & drain valve. with</p>			As per requirement and approval		
	<p>Installation, testing and commissioning of above systems</p>	No				
	<p>The hot water generator shall be Air to water heat pump Model no.HPA-80 as manufactured by A.O Smith water products company or equivalent. Heat pumps shall be rated at 1.01 KW of input power and 3.6 KW of output power with 300 litres of storage tank. Heat pump shall have LED display wired remote with built in diagnostic and troubleshooting information. Heat Pump shall have inbuilt Adaptive energy saving feature and should work on dual modes. Internal surface of the tank exposed to water shall be glass-lined with an alkaline borosilicate composition that has been fused to steel by firing at a temperature range of 760°C to 860°C. It shall have internal and external two stage coil condenser. Refrigerant used should be environment friendly R-134a. Heat pump should heat water upto 65°C on heat pump mode. It shall have silent operation and the sound level should not exceed 59 dB.</p>	HPA-80		As per requirement and approval		

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3.00	Supply, installation, testing & commissioning of vertical inline multistage pumping set (Imported) with Stainless steel			As per requirement and approval		
	Hot Water Recirculation Pumps with Electrical Auto Control Panel with Temperature Sensor (From Hot Water Storage Tank to AO Smith Heat Pump Feeding Pump					
	Set of two Pumps(1 working+1 standby)					
	Capacity-0.5 LPS					
	Head : 12 meter					
	H.P :1.0 HP(Approx)					
	Header - SS 304	Set		As per requirement and approval		
	Supplying, installing, testing & commissioning of Heat Pump 450 Ltr integrated tank output as mentioned below. The heat pump unit shall be complete with the following :					
	Shell and coil assembly be factory fitted					
	Fittings like oil filter, safety valve, drain valve, isolation valves, pressure switches, sampling point, pressure gauges, temperature gauges etc.					
	Electric control panel suitable for 3 Ph, 415V 50 Hz. Electric supply and filled with digital temperature display.					
	All interconnecting power and control cabling between panel and various components.					
	Mounting arrangements					
	Hot Water Delivery Rate			As per requirement and approval		
	a) Efficiency Mode: 85 LPH (Approx.)					
	a) Efficiency Mode: 85 LPH (Approx.)					
	Make: AO-Smith					
	Model: CAHP120-12					
	Total of Heat Pumps					
	G.Total				0	

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BOQ -ELECTRICAL					
S. No	Description Of Work	Qty	Unit	RATE	Amount
	Section 1 : FULL ELECTRICAL WORK				
	PROVIDING AND INSTALLATION OF WIRES OF FINOLEX MAKE WITH PLASTIC ELECTRICAL CONDUIT AND AUTOMATION, WIFI, CCTV WIRING OF CAT6 CABLES OF (D LINK) BRAND EXCLUDING SWITCH,SOCKETS ETC		SQFT	270.00	0.00

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a

PROJECT :						
BILL OF QUANTITIES - INTERIOR FINISH WORK						
S.No.	Item Description	Unit	Qty	Rate	Amount	Remark
FLOORING						
1	Providing and laying in Floor matt Finished / un glazed/ Glazed vitrified tiles (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622 of approved make, in all colors and all shades, laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joints with GROUT and matching pigments, etc. including providing and fixing 3 mm spacer in between the joints and protecting the already laid Flooring with the item also					
a	Showroom Floor tile size - 600x600 mm: Base rate upto Rs60sqft & Make as per Approved. The rate should be including application as mentioned above except spacer applica0on.	Sqft		180	-	
b	Floor tile size-600x600 For Toilets , Pantry : Base rate Rs60sqft & Make as per Approved. The rate should be including application as mentioned above.	Sqft		180		
c	Wall tiles size-600x300 Male Toilet/Female toilet: Base rate Rs 70sqft & Make as per Approved. The rate should be including application as mentioned above.	Sqft		190		
d	Floor tile size-1200x600 of base rate Rs80/Sqft fixing with mortar screed and chemical	Sqft		210		
2 False Ceiling & wall punning work						
2.01	POP Punning on wall (12mm-18mm): Providing and fixing Average 12 mm to 18 mm thick POP Punning over cement plaster in line & plumb finished smooth to receive paint. (POP of Sakarni Make) with scaffolding	Sqft		40	-	
2.02	POP Punning (12mm-18mm) over fibre mesh (Jali): Providing and fixing Average 12 mm to 18 mm thick POP Punning over fibre mesh (Jali) as approved as per site requirement in line & plumb finished smooth to receive paint. (POP of Sakarni Make)	Sqft		130	-	
2.03	Making grooves between junction of POP punning & stone/wooden skirting along walls or as advised.	Rft		20	-	
2.04	POP False Ceiling: - Providing and fixing 12mm Plaster of Paris false ceiling for flat, vertical and tapered surfaces with G.I work consisting of G.I. mesh runner (50x30mm) with moulded ends up to 900mm c/c and G.I cross runner (20x60mm) at 300mm c/c suspended from the R.C.C slab with adjustable G.I sheet suspenders (in main areas and narrow strips etc) applying cast-in-situ plaster of Paris in layers (15-20mm thick) over GI wire mesh fixed to cross runners and finished smooth on scaffolding etc for all height, complete as per detailed drawings and instruction (Pattaa's upto 11" will me measured in RFT)	Sqft		160	-	
2.05	providing pop and finishing of the COVE and PATT	Rft		160	-	
2.06	U Shape / Trough in ceiling (Linear) 150mm x 25mm: Providing and fixing U Shape / Trough 150mm x 25mm in ceiling for to fix AC Grills made in POP with GI wire mesh complete as per design (Trough will be measured single time only considering all surfaces together which will form trough,	Rft		350	-	
2.07	Light Cutting	No		100	-	
2.08	Speaker cutting	No		150	-	
2.1	Grid ceiling tile installation: The tiles should be in module size of 600 x 600 x 16mm, suitable for Green Building application, with Recycled content of 32%.	Sqm		As per design	-	
3 PARTITION						
GYPSUM PARTITION						
a	Partition made of 50x50mm Aluminium stud framework cladded both side with 12mm HDMR board and Finished with MR gypsum board.	Sqft		520	-	
b	Partition made of 50x50mm Aluminum stud framework cladded both side with 18mm HDMR board and finished with laminate as per selection.	Sqft		600	-	
4	TV CLADDING: Made of 19mm thick Ply Board at the back over Aluminium frame Finished with laminate as/selection. Size will be as/selection & as per standard drawing.	Sqft		550	-	
WALL FINISH						
5	Providing and applying acrylic emulsion paint on wall : 3 or more coats in approved shade/ color and quality I/c applying a coat of cement primer on putty Filling of approved quality. The putty shall be made of best quality whiting, complete. Cost to include removal of existing paint wherever applicable.				-	
a	Wall and partition	Sqft		42	-	
6 DOORS/WINDOWS/VENTILATORS						
FLUSH DOORS						
6.1	Providing and Fixing .37mm thick door using 35 mm thick flush door and 1.0mm thick laminate on both faces & 10mm thick teak wood lipping on edges . Item should include Hafele make ball bearing type 4 no's s.s. hinges, door closure of make Dorma/ Hafele and First class teakwood frame of size 150x50mm in case of wall and 50x100mm in case of partition Finished with laminate complete as per drawing. Cost to include polishing of frame & lipping.					
a	Single door Size 850x2100	No.		20000		
b	Size 900x2100	No.	RO	22000		
6.2	GLASS DOOR: Providing & fixing Double/Single shutter glazed frame less door with 12mm thick clear toughened glass on fittings as per drawing. 600mm high handle to be provided.(Patch fitting- Hafele/ Dorma)					
a	Double door (3000 x 2100)	Nos.		42000.00	-	
b	Glass door Single leaf size (900 x 2100)	Nos.		12600.00		
9	Aluminium Composite Panel Cladding (to be procured from MSIL Approved Vendor List)					
a	The 3mm thick ACP consists of 0.5mm outer skin of Aluminium with Lumi Flon based fluorocarbon paint or Kynar 500 based PVDF paint confirming to AAMA 2605 + 3mm NFR Grade mineral core material (NFR Grade Class B as per EN 13501) + 0.5 mm Aluminium skin with service coat. All Aluminium surfaces shall have minimum 20 micron anodizing treatment. Vertical groove shall be Filled by non-staining high performance weather sealant. ACP panel shall have subframe all around panel and MS profile as per structural requirements.	Sqft		525	-	

