

Sl.No	Description	Unit	Qty	Rate		Amount (Rs)	
				Supply	Installation	Supply	Installation
PART A	WATER SUPPLY SYSTEM - TERRACE, SHAFTS AND EXTERNAL GROUND LEVEL PIPING						
1.0	Supply and fixing UPVC with all fittings up to 50mm dia uPVC unthreaded pipes conforminbg per ASTM D - 1785 ,Sch-40 with ASTM SCH 80 fittings for upto 65mm dia and SCH 80 fittings to IS 1785 & 2467 and specials such as tees, elbows, couplers etc with brass threaded, Joints to be made with solvent as per standard complete, combination/transition specials such as brass threaded, male adopters female adopters, brass FABT tee, brass FABT elbow etc where connection with metal is to be made, with all Chasing in walls, by machine drilling, making/cutting holes in floors and refilling it after pipe laying by cement mortar of 1:3 mix (1 Portland Cement : 3 hard settling cement compound) and making good the walls etc as directed by the Engineer in charge.etc complete						
	25 mm dia - from heat pump to hot water downtake and return water piping	Mtr	RO				
	32 mm dia - from heat pump to hot water downtake pipes	Mtr	RO				
	40 mm dia - supply mains - Only Terrace level rings/booster pump outlet	Mtr	410.00				
	50 mm dia - rising mains, Hot and cold water ring mains	Mtr	992.00				
	65 mm dia -Water supply ring mains - Block C to	Mtr	998.00				
	75 mm (Borewell Connection, Terrace ring main Pipe)	Mtr	360.00				
	100 mm (Tanker Connection Pipe)	Mtr	120.00				
2.0	Supply and Fixing, testing and commissioning of approved make Chlorinated Polyvinyl Chloride pipes (CPVC) of SDR 11 confirming IS 15778 with all CPVC fittings and specials such as tees, elbows, couplers etc with CPVC brass threaded combination/ transition specials such as male adopters brass threaded, female adopters brass threaded, FABT tee, FABT elbow conforming to ASTM - D 2846 , up to 50 mm dia etc Joints to be made with CPVC solvent as per ASTM F 493 Chasing in walls, by machine drilling, making/cutting holes in floors and refilling it after pipe laying by cement mortar of 1:3 mix (1 Portland Cement : 3 hard settling cement compound) and making good the walls etc as directed by the Engineer in charge.etc complete. Garden piping and connecting pipes						
	40 mm dia	Rmt	120.00				
	32 mm dia	Rmt	282.00				
	25 mm dia	Rmt	320.00				
	20 mm dia	Rmt	85.00				
3.0	Supply and wrapping thermal elastomeric material Protection on hot-water pipe-work adhesive FRP tape should be wrapped over the insulated pipe-work with proper overlapping. Etc complete						
	20 mm	Rmt	120.00				
	25 mm	Rmt	460.00				
	32 mm	Rmt	336.00				
4.0	Supplying, supports in ready factory made G.I slotted wall brackets OR MS Fabricated angle brackets supports with channelled rails upto 4mm thick , used to fix pipes with threaded rods for necessary lengths, fastening with screwed end anchor type bolts, clamps arrange for scaffolding, support system etc for erection in contractor scope etc all of approved makes	Kgs	1,210.00				
5.0	Supply and fixing of lever operated Forged bronze or Brass Threaded Ball valves of approved make and provided with stainless steel ball (AISI 304) and spindle (AISI 410), glass filled Teflon seating and gland packing etc., complete. The valve shall be fixed after the union of PVC as per standard practices . The quoted rate shall also include the cost of the union, nipples etc any specials., complete.						
	25mm dia (Screwed ends)	Nos	32.00				
	32 mm dia (Screwed ends)	Nos	20.00				
	40 mm dia (Screwed ends)	Nos	24.00				
	50 mm dia (Screwed ends)	Nos	22.00				
6.0	Providing, fixing, testing and commissioning of approved make Butterfly valves BV with the following specifications: Body: Ductile iron / Cast iron, Disc: Cast steel / Spheroidal Graphite iron with EPDM inner, Seal: Black Nitrile / EPDM Stem Seal: Black Nitrile / EPDM with WRAS approved "O" Ring Ends: Lugged type flanges Shafts: SS - 304 Pressure rating: PN - 10 Fittings: Hex nipples, union, collars, brass adopters etc, Hand lever : Cast iron Standard: BS 5155 /MF6 standards Fittings: GI Flanges as per BS-10 table 1, Bolts, Nuts, Neoprene rubber gaskets etc.,						
	50 mm dia	Nos.	RO				
	65 mm dia	Nos.	6.00				
	80 mm dia	Nos.	RO				
7.0	Supplying, installing and testing approved make , MOC Brass or C.I Y - strainer with chuck nuts, with G.I filter and threaded y opening used for pumps manifold conforming to relavent IS standards with necessary nuts and bolts, neoprene rubber gaskets, flanges, etc., complete.						
	50 mm dia	Nos	RO				
	65mm dia	Nos	4.00				
	75mm dia	Nos	4.00				
	100mm dia	Nos	RO				
8.0	Supplying, installing and testing approved make Brass or forged bronze Non return Valves for pumps conforming to relavent IS standards with unions etc., complete.						
	75 mm dia	Nos	2.00				

	65 mm dia	Nos	4.00				
	50 mm dia	Nos	6.00				
	40 mm dia	Nos	2.00				
	32 mm dia	Nos	RO				
9.0	Supplying, installing and testing approved make Pressure reducing Valves - PRVs for piping system conforming to relavent IS standards with unions etc., complete.						
	50 mm dia	Nos	RO				
	40 mm dia	Nos	RO				
	25 mm dia	Nos	RO				
10.0	Supplying, installing and testing approved make and MOC brass or forged bronze Air realease valves ARV , for piping system conforming to relavent IS standards with unions, screwed nuts etc., complete.						
	25 mm dia	Nos	RO				
	20 mm dia	Nos	10.00				
11.0	Supply, installation of Food grade, non toxic PVC multilayered at least 5-6mm thick each, anti bacterial water storage - Over head water tanks with all necessary fittings like overflow, inlet, outlet pipe provisions, outlet and inltet flanges / puddle flanges, isolation Ball/Butterfly valves, Y strainer all in brass or forged bronze valves, pedestals, vent pipes, etc complete.						
	Capacity ; 5000 Liters	Nos	RO				
12.0	Supply and fixing in position Brass analog water meters conforming to IS 770/94 with manually read, and BMS compatible allowing for smart metering, hermetically sealed, having SS gears of approved make with necessary fitings etc., complete. Contractor to provide both Conventional and Electromagnetic meters are mentioned below at required locations. This is inclusive of all brass Ball valves, brass or bronze NRVs, and other related accessories etc complete.						
12.1	Conventional - near WTP Pump room and DWS at Terrace						
	32 mm dia	Nos	RO				
	40 mm dia-	Nos	1.00				
	50 mm dia - for borewell line	Nos	1.00				
	65 mm dia-for municipal/Tanker water line	Nos	2.00				
		Nos	RO				
12.2	Electromagnetic meter - STP inlet and outlet						
	50 mm dia from STP	Nos	RO				
13.0	Constructing Valve chamber in 230 mm thick TM brick in CM 1:6 , The chamber is constructed over 100 mm thick PCC 1:4:8 internal and external plastering in CM 1:4,.The base & side walls of the chamber to be water proofed with water proofing plaste, with FRP frame and air tight cover, capable to with stand adequate loads wherever fixed. The quoted rate shall include for necessary excavation in all sort of soil, back filling, consolidation and disposing surplus materials as directed within a lead as allowed by authorities etc., complete						
	a) 750 x 750 mm clear opening	Each	2.00				
TOTAL PART A							
PART B	SEWAGE SYSTEM						
1.0	Supply and fixing of Type - B SWR PVC pipe soil & waste pipes jointed / pasted solvent cement of good quality lubricant and ringfit for verticals in shafts inclusive of all necessary specials like bends, tees, offsets, junctions, pan connector, cowls etc.,with all Chasing in walls, by machine drilling, laid under floor / under ceiling / on walls with suitable clamps including making bores in masonry / RCC slabs etc., and rendering the bores in cement mortar after laying the pipes and specials curing etc., complete. making/cutting holes in floors and refilling it after pipe laying by cement mortar of 1:3 mix (1 Portland Cement : 3 hard settling cement compound) and making good the walls etc as directed by the Engineer in charge.etc complete						
	75 mm OD (waste water)	Rmt	174.00				
	110 mm OD (Internal works sewage)	Rmt	360.00				
	160 mm OD Soil pipe	Rmt	240.00				
	200 mm OD Soil pipe	Rmt	110.00				
	300 mm OD Soil pipe	Rmt	85.00				
2.0	Supplying, Pipe Supports factory made G.I slotted wall brackets channelled rails upto 2.5mm thick , used to fix pipes with threaded rods for necessary lengths, fastening with screwed end anchor type bolts, clamps arrange for scaffolding, support system etc for erection in contractor scope etc, for fixing on walls/celing by using hanger rods welded/grounted and the brackets shall be given two coats of anti corrovise epoxy paint over a coat of primer etc., complete as per drawing or as per site requirements.						
	Make : Factory ready branded brackets also can be considered per approved makes list	Kg	130.00				
3.0	Excavating trenches in all sorts of soil of required width for pipes cables etc., including excavation for sockets and dressing of sides, ramming of bottoms depth upto 2.5 m including getting out the excavated soil and then returning the soil as required in layers not exceeding 20 cms in depth including consolidation danger lighting pumping out water removing the slush and sullage etc., and disposing the surplus excavated earth within a lead of 50 m or as directed. (Pipes exceeding 80 mm dia but not exceeding 300 mm dia).	Cum	160.00				

4.0	Providing Inspection chamber with 230 mm best quality approved table moulded bricks in CM 1:4 over a bed of 100 mm thick PCC 1:4:8 walls plastered inside smooth in CM 1:3 and outside in CM 1:6, necessary excavation in all sorts of soil, back filling, consolidation and disposing the surplus material within lead of 50 m or as directed, benching and channelling in PCC 1:2:4 as per drawing and supply and fixing of FRP frame and cover air tight fit to carry adequate loads as per the position of the chambers etc.The base & side walls of the chamber to be water proofed with water proofing plaster complete (Depth of chamber not exceeding 1.2 m).					
	600 x 600 mm clear opening (weight of frame and cover medium duty)	Each	30.00			
	450 x 450 mm clear opening (weight of frame and cover medium duty)	Each	RO			
5.0	Providing and fixing of square mouth gully trap complete with CI grating brick masonry chamber 115 mm thick using table moulded bricks in CM 1:4 over a bed of 75 mm thick PCC 1:4:8, internal and external plastering in CM 1:4, 12 mm thick supply and fixing of FRP frame and cover air tight fit to carry adequate loads as per the position of the chambers etc The quoted rate should include for necessary excavation in all sorts of soil, returning, filling, and connecting to chamber.The base & Side walls of the chamber to be water proofed with water proofing plaster etc., complete.					
	450 x 450mm 'P' or 'S' trap.	Each	41.00			
6.0	Providing and Construction of Manhole with best quality, approved table moulded bricks in CM 1:6, 500mm dia at top and 1200mm dia.at bottom over a bed of 250mm thick PCC 1:4:8, walls plastered smooth inside in CM 1:3 and outside with CM 1:3 with sponge finish, benching and channelling in PCC 1:2:4. supplying and fixing PVC steps as per drawing for maintenance. The manhole shall besupply and fixing of FRP frame and cover air tight fit to carry adequate loads as per the position of the chambers etc with . Circular 660mm dia. Clear opening etc., complete. The quoted rate shall also include for necessary excavation, refilling, disposing off surplus earth with in a lead of 300M etc., complete.					
	Depth upto 2.0 Mtrs.	Nos.	2.00			
	Depth upto 1.8 Mtrs.	Nos.	6.00			
7.0	Providing and fixing of grease trap / grease seperator for pantry/kitchen waste in SS fabricated as per standard size of 1200mmx1000mm detailed to seperate grease from waste water from kitchen embedded in complete with top cover CI grating and chamber in block/ brick masonry chamber 115 mm thick using table moulded bricks or cement blocks solid in CM 1:4 over a bed of 75 mm thick PCC 1:4:8, internal and external plastering in CM 1:4, 12 mm thick supply and fixing of 300 x 300 mm size CI frame and cover. etc., complete. (Location near STP)					
	1200mm x 800mm grease trap in SS 304 and chamber details as given above	Each	RO			
	TOTAL PART C					
PART C	RAIN WATER SYSTEM					
1.0	Supplying and Constructing brick Catch basin with '75' class designation bricks in cement motar 1:5 (1cement: 5 fine sand), precast RCC top slab in 1:2:4 Mix (1 cement: 2 coarse sand: 8 graded stone aggregate), with angle iron frame, inside plastring 12mmthick with CM 1:3 (1cement: 3 fine sand) finished very smooth with floating coat of neat cement & making channel in cement concrete 1:2:4 (1cement: 2 coarse sand: 4 gradedstone aggregate) neatly finished complete as per standard design and as per drawing.					
	(The rate shall include earth work excavation and back filling)					
a	Inside size of 600x 600mm & depth not exceeding 900mm as per dwgs including providing 450 x 450mm MS gratingwith 50 x 50 x 6mm thick with MS L angle frame.	No.s	22.00			
2.0	Supplying, installing, testing and commissioning of inline Filters for the Rain water pipes of approved taking adequate care to use solvent pasted to the PVC pipes with adequate supports etc all nuts bolts, screwed anchor type rods, at both bottom and top surface of connections as required per site conditions etc., complete.					
	Make - RAINY filters TM					
	160 mm dia	No.s	2.00			
	110 mm dia	No.s	RO			
3.0	Supplying, installing, testing and commissioning of Hume pipes laid to the required level and grade with collars joining in CM 1:3 and filling the excavated trench with approved quality saturated sand on sides, bottom and top surface of connections as required etc., complete.					
	Location: for External capping for crossover pipes or storm water					
	200mm dia	Mtr	RO			
	300mm dia	Mtr	RO			
	450mm dia	Mtr	RO			
	600mm dia	Mtr	RO			
4.0	Supply & Fixing of Rain water, side mounted or Vertical Khurrah as per the site condition of MOC C.I with all accessories etc complete as per detailed drawing.					
	160 mm pipe	Nos	10.00			
	110 mm pipe	Nos	4.00			
	75 mm pipe	Nos	4.00			

5.0	Supply and fixing (4 kg/cm2) class 'A' Rigid PVC pipes Conforming to IS 4985 (For Terrace Rain water & Balcony) of approved make with necessary specials like bend,shoe,grating,clamps, screws etc., including jointing the pipes and specials with solvent cement and cutting the pipes required lengths Rate quoted should include for moulded bends, enlarger & leaf trap complete at each outlet. etc., complete at all heights and depths. (Rain water only)					
	160 mm OD	Rmt	360.00			
	110 mm OD	Rmt	120.00			
	75 mm OD	Rmt	60.00			
	65 mm OD	Rmt	RO			
6.0	Supplying and Construction of Rain water recharge pit/well of size mentioned below upto 1500mm clear internal dimension for external storm water soaking with 50mm thick walls in concentric rings fixed in CM 1:4 over a bed of 100 mm thick . Fixing precast RCC grating of size 450 x 500mm on top surface flushed to the finished floor level with necessary excavation, back filling the selected excavated earth with all leads and lifts etc., complete.	Nos	10.00			
TOTAL PART C						
PART D	PUMPS & ACCESSORIES					
1.0	Collecting from store, installing/fixing, testing, & commissioning of approved make Monobloc Pump with level control float valve of adequate HP capable of giving required discharge at suitable head to work on single/3 phase 50Hz 400/400 V of specified capacity. Fixing the pump, providing delivery piping with UPVC/CPVC pipes with Brass MOC, NRV, wafer type butterfly valve aof approved make with necessary flanges, nuts, bolts, rubber insertions etc and piping (which is also operated under specific item in PART B o f BOQ) with standard starter panel and accessories, with Making necessary electrical connections with adequate length of cables (including making power supply connection from mains to the pump control panel) shall be carried out by electrical contractor. Cost of electrical works is to be included under this item etc., complete. NOTE :(Only PUMP Will be Supply SSSCT)					
i	DOMESTIC TREATED WATER LIFT FROM UG.SUMP TO OHT Make: CRI/KIRLOSKAR/ TEXMO (1 Working + 1 Stand BY) Capacity : 5 LPS @ 35 m Head	set	3.00			
ii	FLUSHING WATER FROM STP TREATED WATER SUMP Make: CRI/KIRLOSKAR/ TEXMO (1 Working + 1 Stand BY) Duty : 8 lps Cum @ 55 m head	Set	1.00			
2.0	Collecting from store, installing/fixing, testing, & commissioning of approved make monobloc/Submersible Pump with float valve of adequate HP capable of giving required discharge at suitable head to work on single/3 phase 50Hz 400/400 V of specified capacity. Fixing the pump, providing delivery piping with UPVC/CPVC pipes with Brass MOC, NRV, wafer type butterfly valve aof approved make with necessary flanges, nuts, bolts, rubber insertions etc nd piping which is covered under specific item in PART 2 o f BOQ with standard starter panels and accessories, with Making necessary electrical connections with adequate length of cables (including making power supply connection from mains to the pump control panel) shall be carried out by electrical contractor. Cost of electrical works is to be included under this item etc., complete. DEWATERING PUMP - BASMENT COLLECTION SUMP Make: CRI/KIRLOSKAR/ TEXMO (1 Working + 1 Stand BY) Duty :3lps Cum @ 25m head (1 Working + 1 Stand BY)	Set	RO			
3.0	Collecting from store, installing/fixing, testing, & commissioning of approved make Terrace Booster pump with in built pressure tank of adequate HP capable of giving required discharge at suitable head to work on single/3 phase 50Hz 400/400 V of specified capacity.Fixing the pump, providing delivery piping with UPVC/CPVC pipes with Brass MOC, NRV, wafer type butterfly valve aof approved make with necessary flanges, nuts, bolts, rubber insertions etc nd piping which is operated under specific item in PART 2 of BOQ with standard starter panels and accessories, with Making necessary electrical connections with adequate length of cables (including making power supply connection from mains to the pump control panel) shall be carried out by electrical contractor. Cost of electrical works is to be included under this item etc., complete. DOMESTIC WATER FROM OHT TO RING MAINS FOR UPPER FLOORS ONLY Make:Grundfos/wilo Capacity : 1.5 LPS @ 10 m Head (1 Working + 1 Stand BY)	set	RO			
4.0	Collecting from store, installing/fixing, testing, & commissioning of approved make Submersible, Sewage sludge/ Cutter Pump with float valve of adequate HP capable of giving required discharge at suitable head to work on single/3 phase 50Hz 400/400 V of specified capacity. Fixing the pump, providing delivery piping with UPVC/CPVC pipes with Brass MOC, NRV, wafer type butterfly valve aof approved make with necessary flanges, nuts, bolts, rubber insertions etc nd piping which is covered under specific item in PART 2 o f BOQ with standard starter panels and accessories, with Making necessary electrical connections with adequate length of cables (including making power supply connection from mains to the pump control panel) shall be carried out by electrical contractor. Cost of electrical works is to be included under this item etc., complete. SLUDGE PUMP -AT STP TO EXTERNAL SEWER NETWORK Make: CRI/KIRLOSKAR/ TEXMO (1 Working + 1 Stand BY) Duty : 3lps Cum @ 25 m head (1 Working + 1 Stand BY)	Set	1.00			

5.0	Collecting from store, installing/fixing, testing, & commissioning of approved make Submersible pump of adequate HP capable of giving required discharge at suitable head to work on single/3 phase 50Hz 400/400 V of specified capacity. Fixing the pump, providing delivery piping with UPVC/CPVC pipes with wafer type non return valve, butterfly valve of approved make with necessary flanges, nuts, bolts, rubber insertions etc with standard starter panels and accessories, operated in the item in PART 2 with Making necessary electrical connections with adequate length of cables (including making power supply connection from mains to the pump control panel) shall be carried out by electrical contractor. Cost of electrical works is to be included under this item etc., complete.					
	To Pump rain water to Raw water sump or exteranl drain					
	Make:Grundfos/ CRI/Texmo					
	Duty : 4LPS @ 20m Head (1 Working + 1 Stand BY)	No.s	RO			
6.0	Collecting from store, installing/fixing, testing, & commissioning of approved make Submersible pump of adequate HP capable of giving required discharge at suitable head to work on single/3 phase 50Hz 400/400 V of specified capacity. Fixing the pump, providing delivery piping with UPVC/CPVC pipes with wafer type non return valve, butterfly valve of approved make with necessary flanges, nuts, bolts, rubber insertions etc with standard starter panels and accessories, operated in the item in PART 2 with Making necessary electrical connections with adequate length of cables (including making power supply connection from mains to the pump control panel) shall be carried out by electrical contractor. Cost of electrical works is to be included under this item etc., complete.					
	To Pump Domestic water from UG sumps at A & C blocks to respective OHTs					
	Make:Grundfos/ CRI/Texmo					
	Duty :4LPS @ 35m Head (1 Working + 1 Stand BY)	No.s	2.00			
	PHE WORKS - ELECTRICAL PANEL					
7.0	Supply, Installation, Testing and commissioning of starter panel and all electrical accessoeries for the pumps like trays cables switches etc complete					
	GI DWG FROM CONTRACTOR TO BE DETAILED PER ELECTRICAL CONSULTANT INPUTS	Set	RO			
	To be taken under electrical services					
	TOTAL PART D					
PART E	MISCELLANEOUS WORKS - CAN BE TAKEN IN CIVIL SCOPE					
1	Supply and Installation of GI Puddle Flanges for Underground Sumps					
	The work includes the supply and installation of GI (Galvanized Iron) puddle flanges for underground sumps. The puddle flanges will be used to provide a watertight seal at the penetration points of pipes passing through the sump walls or floor. The installation will be carried out as per the specifications and requirements outlined in the Sump drawing.Also includes appropriate anchoring or fixing of the flanges to the sump structure, as per the engineers recommendations and design requirements. etc. complete for efficient maintenance of the tanks. Approx. depth = 2-3 Mts					
	Municipal inlet GI puddle flanges (65mm dia)	No.s	1.00			
	Borewell inlet GI puddle flanges (75 mm dia)	No.s	1.00			
	Tanker water inlet GI puddle flange (100 mm dia)	No.s	2.00			
	Storm/Rain water inlet puddle flange (150 mm)	No.s	1.00			
	Pump rasing main Outlet GI puddle flange (65 mm dia)	No.s	3.00			
	Treated water inlet GI puddle flange (65 mm dia)	No.s	1.00			
	Raw water outlet to WTP GI puddle flange (65 mm dia)	No.s	2.00			
	overflow puddle GI flange (80 mm dia.)	No.s	3.00			
	vent puddle GI flange (65 mm dia.)	No.s	3.00			
	sleeve for level controller (65 mm dia)	No.s	3.00			
	Drain pipe for all tanks (65 mm dia)	No.s	3.00			
	WTP Backwash puddle flange (65 mm dia)	No.s	1.00			
	Note : All puddle flanges should be hot-dip galvanised.					
	PUDDLE FLANGES - UGS	SET	1.00			
2	Supply and Installation of GI Puddle Flanges for Over head tanks					
	The work includes the supply and installation of GI (Galvanized Iron) puddle flanges for underground sumps. The puddle flanges will be used to provide a watertight seal at the penetration points of pipes passing through the tank walls or floor. The installation will be carried out as per the specifications and requirements outlined in the drawing.Also includes appropriate anchoring or fixing of the flanges to the sump structure, as per the engineers recommendations and design requirements. etc. complete for efficient maintenance of the tanks					
	Approx. depth = 1.5 - 2.0 Mts					
	Pump rasing main fire/treated water GI puddle flange (65 mm dia)	No.s	1.00			
	Fire water outlet GI puddle flange (75 mm dia)	No.s	2.00			
	Treated water inlet from Fire tank GI puddle flange (65 mm dia)	No.s	1.00			
	Treated water outlet GI puddle flange (75 mm dia)	No.s	2.00			
	Flushing water inlet GI puddle flange (65 mm dia)	No.s	1.00			
	Flushing water outlet GI puddle flange (75 mm dia)	No.s	1.00			
	overflow puddle GI flange (80 mm dia.)	No.s	3.00			
	vent puddle GI flange (65 mm dia.)	No.s	3.00			
	sleeve for level controller (25 mm dia)	No.s	3.00			
	Drain pipe outlet for all tanks (65 mm dia)	No.s	3.00			
	Note : All puddle flanges should be hot-dip galvanised.					
	PUDDLE FLANGES - OHTs	SET	3.00			
3.0	Supplying all necessary material and constructing Sewage trench and storm water drain as per layout and details enclosed. Location - Block A and B					
	* Excavation in all types of soil upto 1.5m depth as per gradient including back filling disposing surplus earth upto a lead of 300 mtrs.					

	* Dressing the excavated area to desired slope and level.						
	* Providing and laying PCC 1:4:8 100mm thick						
	* Providing and constructing side walls & bottom slab of 100mm thick in RCC						
	* Finishing and plastering gutter face etc., complete						
	* Size :600mm wide and depth 600mm						
	The quoted rate shall exclude steel reinforcement.						
	To be taken up in CIVIL Quantity	RFT	RO				
4.0	Supply and Installation of MS or C.I Grating over basement waste water trenches of adequate width as per the adequate thickness, of factory ready MOC in G.I or M.S fabricated as per the architectdesign etc with all necessary civil works and finishes as per site incharge instructions. 450MM wide	Rmt	RO				
	Core Drilling & Sleeve Fixing						
5.0	Drilling with core cutting machine in RCC slabs/Beams, floors etc., for Laying pipes and rendering the same in RCC 1:2:4, finishing the same to the satisfaction of the owner or his authorized representative etc., including nominal reinforcement wherever required complete. The quoted rate shall also include for providing EPOXY based water proofing compound including grouting GP2 Conbextra/ Eurobuild or equivalent for sealing the joints around the pipes.						
	RCC beams						
	25mm dia upto 50 mm dia.pipes.	R.O					
	50mm dia upto 110 mm dia.pipes.	R.O					
	110mm dia. upto 160 mm dia.pipes.	R.O					
	RCC slabs						
	25mm dia upto 50 mm dia. Pipes.	R.O					
	50mm dia upto 110 mm dia. Pipes.	R.O					
	110mm dia. upto 160 mm dia. Pipes	R.O					
	RCC walls						
	25mm dia upto 50 mm dia. Pipes.	R.O					
	50mm dia upto 110 mm dia. Pipes.	R.O					
	110mm dia. upto 160 mm dia. Pipes.	R.O					
	Core drilling in Block walls (not exceeding 400 mm thick)						
	25mm dia upto 50 mm dia.pipes.	R.O					
	50mm dia upto 110 mm dia.pipes.	R.O					
	110mm dia. upto 160 mm dia.pipes.	R.O					
6.0	Supply of Indication Sticker and rendering, flow direction indicating arrows over all the drainage & water supply pipes etc related work, in pump room , terrace etc shafts as instructed by site in charge.	Lumpsum	1.00				
7.0	Any Additional Labour for temporary works						
	Plumber	Nos.	RO				
	Helper	Nos.	RO				
	TOTAL PART E						

SL.NO	SUMMARY - COMMON WORKS					SUPPLY	INSTALLATION
PART A	WATER SUPPLY SYSTEM - TERRACE, SHAFTS & EXTERNAL GROUND LEVEL PIPING						
PART B	SEWAGE & RAIN WATER SYSTEM						
PART C	RAIN WATER SYSTEM						
PART D	PUMPS & ACCESSORIES						
PART E	MISCELLANEOUS WORKS						
	TOTAL						
	GRAND TOTAL						
	ADD GST @ 18%						