

ABSTRACT

Name of the Work: Providing Water supply and sanitary arrangements for Hostel,Tutorial and Dining Hall Blocks, IIT Srikakulam, S.M.Puram, Srikakulam (Dist).

S No	Description	Estimated Amount
1	Cost of Water supply and Sanitary Works for 2 Hostel Blocks	3878864.00
2	Cost of Water supply and Sanitary Works for 1 Tutorial Block	1879957.00
3	Cost of Water supply and Sanitary Works for 2 Dining Hall Blocks	1597534.00
		7356355.00

Name of the Work(Hostel Block): WATER SUPPLY & SANITARY ARRANGEMENTS for Hostel, Tutorial and Dining Hall Blocks

Sl. No	Quantity	Description	Unit (in words)	Rate (in Rs.)	Amount (in Rs.)
1	20 NOS	Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 904 mm (3'-0") in all sorts of soils (excluding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing , overheads & contractors profit etc., complete for finished item of work as per Standard specification.	1 EACH	6269.00	125380
2	10 NOS	Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 1524 mm (5'-0") in all sorts of soils (excluding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing , overheads & contractors profit etc., complete for finished item of work as per Standard specification.	1 EACH	9792.00	97920
3	30 NOS	Supplying and fixing of SWG Gully traps 150mm x 100mm of ISI make conforming to IS 651 & 4127 with C.I. grating & constructing cement brick masonry in CM (1:6) prop, intermediate chamber and fitted with 304.8 mm X 288.6 mm (12"x9") C.I. Frame with hinged cover of standard make as approved including cost and conveyance of all materials to site, labour charges, overheads & contractors profit etc., complete for finished item of work.	1 EACH	618.00	18540
4	30 NOS	Constructing 457.2 mm x 457.2 mm (1'6"x1'6") brick in CM 1:6 prop. Masonry. Inspection chamber upto 914.4 mm (3'0") and fitted with light weight 457.2 mm x 457.2 mm (1'6"x1'6") C.I frame and cover of 20 Kg including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing , overheads & contractors profit etc., complete for finished item of work as per Standard specification.	1 EACH	4346.00	130380
5	170 NOS	Supplying and fixing of 4" (101.6mm) multi floor trap with jali - UPVC/SWR pipe fittings as per site requirements with standard practice for all floors including cost and conveyance of all materials to site, labour charges , overheads & contractors profit etc., complete for finished item of work.	1 EACH	139.00	23630
6	21 NOS	Supplying and fixing 580mm x 440mm long Orissa pan white glazed Water Closet 1st quality ISI marked conforming to IS:2556-Part-3-1981 with "P" or "S" trap, ISI marked and providing masonry seat, CC squatting plate and 10 litres capacity single flush PVC low level cistern with internal components fixed on 2 Nos. of teak wood blocks of size 76.20mm x 101.60mm using required size of nails, screws as approved by Engineer-in-charge, angle stop cock 12.70mm dia. first quality Indian make heavy duty, 12.70mm PVC connection with brass union nuts CP coated , 31.75mm brass plumber union, P trap or S trap of Indian W.C. shall be encased on CC (1:2:4) 150mm around well above the joint to stop leakage at the joint etc., complete including cost and conveyance of all materials to site, cost of CC bed, labour charges and seigniorage charges, overheads & contractors profit etc., complete for finished item of work makes : Indi ware/Parry ware / Neycer / HSW	1 EACH	4161.00	87381
7	40 NOS	Supplying and fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of white glazed with 'S' trap, supplying and fixing best Indian make plastic seat and lid for European water closets with rubber or plastic Buffers as per IS 2548-1996 and 10 litres capacity single flush PVC low level cistern with internal components and fixed using required size of nails and screws, angle stop cock 12.70mm dia. first quality Indian make heavy duty, 12mm PVC connections with brass union nuts CP coated including cost and conveyance of all materials to site, overheads & contractors profit etc., complete for finished item of work for all floors. makes : Indi ware/Parry ware / Neycer / HSW	1 EACH	4897.00	195880

Sl. No	Quantity	Description	Unit (in words)	Rate (in Rs.)	Amount (in Rs.)
8	50 NOS	Supplying and fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 of size 550mm x 400mm with 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make heavy duty complete with standard CI brackets including wooden blocks .1 No.12.70mm PVC connection with brass union nuts CP coated , angle stop cock 12.70mm dia. first quality Indian make heavy duty, 31.75mm dia. PVC flexible waste pipe 914.4mm length of 1st quality including cost and conveyance of all materials to site, labour charges , overheads & contractors profit for finished item of work makes : Indi ware/Parry ware / Neycer / HSW	1 EACH	2323.00	116150
9	100 NOS	Supplying and fixing NP soap dish heavy type of approved make ISI quality with NP screws etc., complete including cost and conveyance of all materials, labour charges for fixing , overheads & contractors profit for finished item of work in all floors.	1 EACH	236.00	23600
10	50	Supplying and fixing white glazed flat back Bowl urinals of size 440 mm x 265 mm x 315 mm with integral flushing rim fixed with screws complete Indian make (HSW/Parry/Neycer) conforming to IS:2556-1995 as approved by Engineer-in-charge, including supply and fixing 12.7mm PVC connection with brass plumber union nuts CP coated, 12.70mm push cock 1st quality of approved make , 31.75 mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality including cost and conveyance of all materials to site, labour charges , overheads & contractors profit complete for finished item of work for all floors.makes : Indi ware/Parry ware / Neycer / HSW	1 EACH	1309.00	65450
11	10	Supplying and fixing white glazed flat back half stall urinals of size 590 mm x 375 mm x 390 mm with integral flushing rim fixed with screws complete Indian make (HSW/Parry/Neycer) conforming to IS:2556-1995 as approved by Engineer-in-charge, including supply and fixing 12.7mm PVC connection with brass plumber union nuts CP coated, 12.70mm push cock 1st quality of approved make , 31.75 mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality including cost and conveyance of all materials to site, labour charges etc., overheads & contractors profit complete for finished item of work for all floors.makes : Indi ware/Parry ware / Neycer / HSW	1 EACH	3396.00	33960
12	50 NOS	Supplying and fixing TV shape mirror with plastic frame of size 609.6mm x 457.2mm , plywood back with NP screws 1st quality including cost and conveyance of all materials, labour charges , overheads & contractors profit for finished item of work in all floors.	1 EACH	514.00	25700
13	100 NOS	Supplying and fixing of 25.4mm dia , 609.6mm long aluminium anodized towel rods with brackets and aluminium screws including cost and conveyance of all materials, labour charges , overheads & contractors profit for finished item of work.	1 EACH	166.00	16600
14	100	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make Light duty as approved by the Engineer-In-Charge including cost and conveyance of all materials, labour charges , overheads & contractors profit complete for finished item of work in all floors.	1 EACH	253.00	25300
15	50 NOS	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make heavy duty as approved by the Engineer-In-Charge including cost and conveyance of all materials, labour charges , overheads & contractors profit complete for finished item of work in all floors.	1 EACH	397.00	19850
16		Supplying and fixing of SWR PVC pipes (Prince/Sudhakar/Kisan/Supreme or any ISI brand) 4 Kg/Sq.cm. and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges, overheads & contractors profit complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326)			
	320 RM	75 mm dia	1 RM	169.00	54080
	90 RM	90mm dia	1 RM	217.00	19530
	530 RM	110mm dia	1 RM	243.00	128790
	650 RM	160mm dia	1 RM	466.00	302900

Sl. No	Quantity		Description	Unit (in words)	Rate (in Rs.)	Amount (in Rs.)
17			Supply and fixing of Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings SDR 13.5 to meet the requirement of ASTM-D 2846 and are produced in CTS (Copper Tube Sizes 1/2" to 2") for hot and cold water (IS 15778:2007) including cost and conveyance of all materials to site, labour charges for fixing, overheads & contractors profit complete for finished item of work at all floor levels.			
	30	RM	15.90mm OD pipe	1 RM	60.00	1800
	360	RM	22.20mm OD pipe	1 RM	97.00	34920
	350	RM	28.60mm OD pipe	1 RM	140.00	49000
	150	RM	34.90mm OD pipe	1 RM	219.00	32850
	40	RM	41.30mm OD pipe	1 RM	302.00	12080
	120	RM	54.00mm OD pipe	1 RM	496.00	59520
18			Supplying and fixing Gunmetal Gate (GM peet) valve as per IS-778 Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges , overheads & contractors profit complete for finished item of work.			
	3	NOS	15mm Nominal bore	1 EACH	619.00	1857
	3	NOS	20mm Nominal bore	1 EACH	833.00	2499
	15	NOS	25mm Nominal bore	1 EACH	1194.00	17910
	12	NOS	32mm Nominal bore	1 EACH	1811.00	21732
	6	NOS	50mm Nominal bore	1 EACH	3585.00	21510
19	30	NOS	Construction of brick masonry support for CPVC pipe of size 304.80mm x 228.60mm x 228.60 mm in CM (1:8) prop including plastering and finishing with 12mm thick in CM (1:5) including cost and conveyance of all materials and all labour charges, overheads & contractors profit complete for finished item of work for all floors.	1 EACH	77.00	2310
20	30000	LTRS	Providing and placing on terrace (at all floor levels)polyethylene water storage tank with double layer approved brand and manufacture with cover and suitable locking arrangement and making necessary holes for inlet and outlets and over flow pipes but without fittings and base support for tanks including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work.	1 LITER	5.68	170423
					Total. Rs.	1939432

Name of the Work(Tutorial Block): WATER SUPPLY & SANITARY ARRANGEMENTS for Hostel, Tutorial and Dining Hall Blocks

Sl. No	Quantity		Description	Unit (in words)		Rate (in Rs.)	Amount (in Rs.)
1	20	NOS	Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 904 mm (3'-0") in all sorts of soils (exculding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing , overheads & contractors profit etc., complete for finished item of work as per Standard specification.	1	EACH	6269.00	125380
2	15	NOS	Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 1524 mm (5'-0") in all sorts of soils (exculding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing , overheads & contractors profit etc., complete for finished item of work as per Standard specification.	1	EACH	9792.00	146880
3	20	NOS	Supplying and fixing of SWG Gully traps 150mm x 100mm of ISI make confirming to IS 651 & 4127 with C.I grating & constructing cement brick masonry in CM (1:6) prop., intermediate chamber and fitted with 304.8 mm X 288.6 mm (12"x9") C.I Frame with hinged cover of standard make as approved including cost and conveyance of all materials to site, labour charges, overheads & contractors profit etc., complete for finished item of work.	1	EACH	618.00	12360
4	40	NOS	Constructing 457.2 mm x 457.2 mm (1'6"x1'6") brick in CM 1:6 prop. Masonry. Inspection chamber upto 914.4 mm (3'0") and fitted with light weight 457.2 mm x 457.2 mm (1'6"x1'6") C.I frame and cover of 20 Kg including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing , overheads & contractors profit etc., complete for finished item of work as per Standard specification.	1	EACH	3679.00	147160
5	80	NOS	Supplying and fixing of 4" (101.6mm) multi floor trap with jali - UPVC/SWR pipe fittings as per site requirements with standard practice for all floors including cost and conveyance of all materials to site, labour charges , overheads & contractors profit etc., complete for finished item of work.	1	EACH	139.00	11120

6	20	NOS	Supplying and fixing 580mm x 440mm long Orissa pan white glazed Water Closet 1st quality ISI marked confirming to IS:2556-Part-3-1981 with "P" or "S" trap, ISI marked and providing masonry seat, CC squatting plate and 10 litres capacity single flush PVC low level cistern with internal components fixed on 2 Nos. of teak wood blocks of size 76.20mm x 101.60mm using required size of nails, screws as approved by Engineer-in-charge, angle stop cock 12.70mm dia. first quality Indian make heavy duty, 12.70mm PVC connection with brass union nuts CP coated, 31.75mm brass plumber union, P trap or S trap of Indian W.C. shall be encased on CC (1:2:4) 150mm around well above the joint to stop leakage at the joint etc., complete including cost and conveyance of all materials to site, cost of CC bed, labour charges and seigniorage charges, overheads & contractors profit etc., complete for finished item of work makes : Indi ware/Parry ware / Neycer / HSW	1	EACH	4161.00	83220
7	28	NOS	Supplying and fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of white glazed with 'S' trap, supplying and fixing best Indian make plastic seat and lid for European water closets with rubber or plastic Buffers as per IS 2548-1996 and 10 litres capacity single flush PVC low level cistern with internal components and fixed using required size of nails and screws, angle stop cock 12.70mm dia. first quality Indian make heavy duty, 12mm PVC connections with brass union nuts CP coated including cost and conveyance of all materials to site, overheads & contractors profit etc., complete for finished item of work for all floors.makes : Indi ware/Parry ware / Neycer / HSW	1	EACH	4897.00	137116
8	20	NOS	Supplying and fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 of size 550mm x 400mm with 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make heavy duty complete with standard CI brackets including wooden blocks, 1 No.12.70mm PVC connection with brass union nuts CP coated, angle stop cock 12.70mm dia. first quality Indian make heavy duty, 31.75mm dia. PVC flexible waste pipe 914.4mm length of 1st quality including cost and conveyance of all materials to site, labour charges, overheads & contractors profit for finished item of work makes : Indi ware/Parry ware / Neycer / HSW	1	EACH	2323.00	46460
9	50	NOS	Supplying and fixing NP soap dish heavy type of approved make ISI quality with NP screws etc., complete including cost and conveyance of all materials, labour charges for fixing, overheads & contractors profit for finished item of work in all floors	1	EACH	236.00	11800
10	40	NOS	Supplying and fixing white glazed flat back Bowl urinals of size 440 mm x 265 mm x 315 mm with integral flushing rim fixed with screws complete Indian make (HSW/Parry/Neycer) conforming to IS:2556-1995 as approved by Engineer-in-charge, including supply and fixing 12.7mm PVC connection with brass plumber union nuts CP coated, 12.70mm push cock 1st quality of approved make, 31.75 mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality including cost and conveyance of all materials to site, labour charges, overheads & contractors profit complete for finished item of work for all floors. makes : Indi ware/Parry ware / Neycer / HSW	1	EACH	1309.00	52360

11	30		Supplying and fixing white glazed flat back half stall urinals of size 590 mm x 375 mm x 390 mm with integral flushing rim fixed with screws complete Indian make (HSW/Parry/Neycer) conforming to IS:2556-1995 as approved by Engineer-in-charge, including supply and fixing 12.7mm PVC connection with brass plumber union nuts CP coated, 12.70mm push cock 1st quality of approved make , 31.75 mm dia PVC flexible waste pipe of 914.4 mm length of 1st quality including cost and conveyance of all materials to site, labour charges etc., overheads & contractors profit complete for finished item of work for all floors. makes : Indi ware/Parry ware / Neycer / HSW	1	EACH	3396.00	101880
12	20	NOS	Supplying and fixing TV shape mirror with plastic frame of size 609.6mm x 457.2mm , plywood back with NP screws 1st quality including cost and conveyance of all materials, labour charges , overheads & contractors profit for finished item of work in all floors.	1	EACH	514.00	10280
13	50	NOS	Supplying and fixing of 25.4mm dia , 609.6mm long aluminium anodized towel rods with brackets and aluminium screws including cost and conveyance of all materials, labour charges , overheads & contractors profit for finished item of work.	1	EACH	166.00	8300
14	50	NOS	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make Light duty as approved by the Engineer-In-Charge including cost and conveyance of all materials, labour charges , overheads & contractors profit complete for finished item of work in all floors.	1	EACH	253.00	12650
15	30	NOS	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make heavy duty as approved by the Engineer-In-Charge including cost and conveyance of all materials, labour charges , overheads & contractors profit complete for finished item of work in all floors.	1	EACH	397.00	11910
16			Supplying and fixing of SWR PVC pipes (Prince/Sudhakar/Kisan/Supreme or any ISI brand) 4 Kg/Sq.cm. and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges, overheads & contractors profit complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326)				
	380	RM	75 mm dia	1	RM	169.00	64220
	60	RM	90mm dia	1	RM	217.00	13020
	500	RM	110mm dia	1	RM	243.00	121500
	710	RM	160mm dia	1	RM	466.00	330860
17			Supply and fixing of Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings SDR 13.5 to meet the requirement of ASTM-D 2846 and are produced in CTS (Copper Tube Sizes 1/2" to 2") for hot and cold water (IS 15778:2007) including cost and conveyance of all materials to site, labour charges for fixing, overheads & contractors profit complete for finished item of work at all floor levels.				
	50	RM	15.90mm OD pipe	1	RM	60.00	3000
	360	RM	22.20mm OD pipe	1	RM	97.00	34920
	280	RM	28.60mm OD pipe	1	RM	140.00	39200
	150	RM	34.90mm OD pipe	1	RM	219.00	32850
	60	RM	41.30mm OD pipe	1	RM	302.00	18120
	250	RM	54.00mm OD pipe	1	RM	496.00	124000

18			Supplying and fixing Gunmetal Gate (GM peet) valve as per IS-778 Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges , overheads & contractors profit complete for finished item of work.				
	3	NOS	15mm Nominal bore	1	EACH	619.00	1857
	3	NOS	20mm Nominal bore	1	EACH	833.00	2499
	12	NOS	25mm Nominal bore	1	EACH	1194.00	14328
	12	NOS	32mm Norminal bore	1	EACH	1811.00	21732
	6	NOS	50mm Nominal bore	1	EACH	3585.00	21510
19	50	NOS	Construction of brick masonry support for CPVC pipe of size 304.80mm x 228.60mm x 228.60 mm in CM (1:8) prop including plastering and finishing with 12mm thick in CM (1:5) including cost and conveyance of all materials and all labour charges, overheads & contractors profit complete for finished item of work for all floors.	1	EACH	77.00	3850
20	20000	LTRS	Providing and placing on terrace (at all floor levels)polyetheylene water storage tank with double layer approved brand and manufacture with cover and suitable locking arrangement and making necessary holes for inlet and outlets and over flow pipes but without fittings and base support for tanks including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work.	1	LITER	5.68	113615
						Total. Rs.	1879957

Name of the Work(Dining Hall): WATER SUPPLY & SANITARY ARRANGEMENTS for Hostel, Tutorial and Dining Hall Blocks

Sl. No	Quantity	Description	Unit (in words)	Rate (in Rs.)	Amount (in Rs.)
1	10 NOS	Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 904 mm (3'-0") in all sorts of soils (exculding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing , overheads & contractors profit etc., complete for finished item of work as per Standard specification.	1 EACH	6269.00	62690
2	3 NOS	Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 1524 mm (5'-0") in all sorts of soils (exculding rock) and laying cement concrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing , overheads & contractors profit etc., complete for finished item of work as per Standard specification.	1 EACH	9792.00	29376
3	15 NOS	Supplying and fixing of SWG Gully traps 150mm x 100mm of ISI make confirming to IS 651 & 4127 with C.I grating & constructing cement brick masonry in CM (1:6) prop., intermediate chamber and fitted with 304.8 mm X 288.6 mm (12"x9") C.I Frame with hinged cover of standard make as approved including cost and conveyance of all materials to site, labour charges, overheads & contractors profit etc., complete for finished item of work.	1 EACH	540.00	8100
4	20 NOS	Constructing 457.2 mm x 457.2 mm (1'6"x1'6") brick in CM 1:6 prop. Masonry. Inspection chamber upto 914.4 mm (3'0") and fitted with light weight 457.2 mm x 457.2 mm (1'6"x1'6") C.I frame and cover of 20 Kg including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing , overheads & contractors profit etc., complete for finished item of work as per Standard specification.	1 EACH	4346.00	86920
5	30 NOS	Supplying and fixing of 4" (101.6mm) multi floor trap with jali - UPVC/SWR pipe fittings as per site requirements with standard practice for all floors including cost and conveyance of all materials to site, labour charges , overheads & contractors profit etc., complete for finished item of work.	1 EACH	164.00	4920
6	60 NOS	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make Light duty as approved by the Engineer-In-Charge including cost and conveyance of all materials, labour charges , overheads & contractors profit complete for finished item of work in all floors.	1 EACH	253.00	15180

7	20	NOS	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make heavy duty as approved by the Engineer-In-Charge including cost and conveyance of all materials, labour charges , overheads & contractors profit complete for finished item of work in all floors.	1	EACH	397.00	7940
8			Supplying and fixing of SWR PVC pipes (Prince/Sudhakar/Kisan/Supreme or any ISI brand) 4 Kg/Sq.cm. and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges, overheads & contractors profit complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326)				
	200	RM	75 mm dia	1	RM	169.00	33800
	30	RM	90mm dia	1	RM	217.00	6510
	450	RM	160mm dia	1	RM	466.00	209700
9			Supply and fixing of Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings SDR 13.5 to meet the requirement of ASTM-D 2846 and are produced in CTS (Copper Tube Sizes 1/2" to 2") for hot and cold water (IS 15778:2007) including cost and conveyance of all materials to site, labour charges for fixing, overheads & contractors profit complete for finished item of work at all floor levels.				
	15	RM	15.90mm OD pipe	1	RM	60.00	900
	230	RM	22.20mm OD pipe	1	RM	97.00	22310
	150	RM	28.60mm OD pipe	1	RM	140.00	21000
	100	RM	34.90mm OD pipe	1	RM	219.00	21900
	40	RM	41.30mm OD pipe	1	RM	302.00	12080
	100	RM	54.00mm OD pipe	1	RM	496.00	49600
10			Supplying and fixing Gunmetal Gate (GM peet) valve as per IS-778 Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges , overheads & contractors profit complete for finished item of work.				
	1	NOS	15mm Nominal bore	1	EACH	619.00	619
	1	NOS	20mm Nominal bore	1	EACH	833.00	833
	8	NOS	25mm Nominal bore	1	EACH	1194.00	9552
	8	NOS	32mm Norminal bore	1	EACH	1811.00	14488
	6	NOS	50mm Nominal bore	1	EACH	3585.00	21510
11	40	NOS	Construction of brick masonry support for CPVC pipe of size 304.80mm x 228.60mm x 228.60 mm in CM (1:8) prop including plastering and finishing with 12mm thick in CM (1:5) including cost and conveyance of all materials and all labour charges, overheads & contractors profit complete for finished item of work for all floors.	1	EACH	77.00	3080
12	8	NOS	Supplying and fixing of stainless steel sink of size 508.00mm x 457.2mm x 203.20mm, 1mm thick of Indian make fixed on cantilever brackets including supply and fixing 31.75mm C.P. waste coupling, 31.75 mm dia PVC flexible waste pipe of 914.4 mm length of Ist quality ncluding chiselling brick masonry wall and making good & restoring to original surfaces , overheads & contractors profit complete for finished item of work in all floors	1	EACH	5268.00	42144

13	20000	LTRS	Providing and placing on terrace (at all floor levels)polyetheylene water storage tank with double layer approved brand and manufacture with cover and suitable locking arrangement and making necessary holes for inlet and outlets and over flow pipes but without fittings and base support for tanks including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work.	1	LITER	5.68	113615
						Total. Rs.	798767