

Detailed Estimate

DEPOSIT WORK-RWSS to Udumbanchola - Shifting of water supply pipe lines in the stretch between Udumbanchola and Chemmannar of Udumbanchola - Chithirapuram Road due to road development work by KIIFB

(Dsr year: 2018)

SI No	Description	No	L	B	D	CF	Quantity	Remark
1 Supply and Laying distribution lines -working charges (Cost Index:41.53 %)								
1	100.1.1 Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : All kinds of soil (Ref. Item No. 2.10.1 of DSR)							
	150mm DI pipe	1	1250+240	0.600	1.100	0.8	786.721	
	160mmPVC	1	650.000	0.600	1.100	0.8	343.201	
	110mmPVC	1	1830.000	0.600	1.100	0.8	966.241	
							Total Quantity	2096.163 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	2096.163 cum
							Say 2096.163 cum @ Rs 579.85 / cum	Rs 1215460.12
2	100.1.5 Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :" Ordinary Rock. (Ref. Item No. 2.13.1 of DSR)							
	150mm DI pipe	1	1250+240	0.600	1.100	0.15	147.511	
	160mm PVC	1	650.000	0.600	1.100	0.15	64.351	
	110mmPVC	1	1830.000	0.600	1.100	0.15	181.171	
							Total Quantity	393.033 cum
							Total Deducted Quantity	0.000 cum

	Net Total Quantity						393.033 cum	
	Say 393.033 cum @ Rs 842.10 / cum						Rs 330973.09	
3	<p>100.2.3 "Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : Medium Rock (Requiring Blasting) New Data derived from DAR</p>							
	150mm DI pipe	1	1250+240	0.600	1.100	0.05	49.171	
	160mm PVC	1	650.000	0.600	1.100	0.05	21.451	
	110mm PVC	1	1830.000	0.600	1.100	0.05	60.391	
	Total Quantity						131.013 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						131.013 cum	
	Say 131.013 cum @ Rs 1043.15 / cum						Rs 136666.21	
4	<p>100.8.1 Fencing one side of trenches, 1.50 m height with two rows of 10 cm plastic caution tape in vertical casuarina pole (girth 15cm to 24cm) fixed at 2 m intervals. (Data Prepared based on PWD SDB - Item No.1009)</p>							
		1	1400.000				1400.000	
	Total Quantity						1400.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						1400.000 metre	
	Say 1400.000 metre @ Rs 28.82 / metre						Rs 40348.00	
5	<p>100.14.2 Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials : 150 mm dia Ductile Iron Class K-9 Pipes Data derived from 18.72.16 in DAR</p>							
	Distribution lines	1	1250+240				1490.000	
	Casing pipe	1	30.000				30.000	
	Total Quantity						1520.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						1520.000 metre	
	Say 1520.000 metre @ Rs 91.50 / metre						Rs 139080.00	

6	100.14.3 Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials : 200 mm dia Ductile Iron Class K-9 Pipes Data derived from 18.72.17 in DAR							
	Casing pipe	1	30.000				30.000	
	Total Quantity						30.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						30.000 metre	
	Say 30.000 metre @ Rs 127.45 / metre						Rs 3823.50	
7	100.14.4 Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials : 250 mm dia Ductile Iron Class K-9 Pipes Data derived from 18.72.18 in DAR							
	Casing pipe	1	30.000				30.000	
	Total Quantity						30.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						30.000 metre	
	Say 30.000 metre @ Rs 170.19 / metre						Rs 5105.70	
8	18.68.1 Providing and laying D.I specials of class K - 12 suitable for push - on jointing as per IS : 9523 :Upt 600 mm dia							
	90 degree bend, 150 mm	3				0.2	0.601	
	45 degree bend, 150 mm	6				0.16	0.960	
	22.5 degree bend, 150 mm	6				0.15	0.900	
	11.25 degree bend, 150 mm	8				0.14	1.120	
	Tee 150X150X150	3				0.29	0.870	
	150 mm Tail piece	3				0.32	0.960	
	Total Quantity						5.411 quintal	
	Total Deducted Quantity						0.000 quintal	
	Net Total Quantity						5.411 quintal	
	Say 5.411 quintal @ Rs 21003.05 / quintal						Rs 113647.50	

9	18.69.1 Providing and laying D.I Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :Upto 600 mm dia								
	150 mm MJ collar	4					4.000		
	Total Quantity						4.000 quintal		
	Total Deducted Quantity						0.000 quintal		
	Net Total Quantity						4.000 quintal		
	Say 4.000 quintal @ Rs 22071.60 / quintal							Rs 88286.40	
10	18.70.2 Providing push - on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket:150 mm dia pipes								
		1	274.000				274.000		
	Total Quantity						274.000 joint		
	Total Deducted Quantity						0.000 joint		
	Net Total Quantity						274.000 joint		
	Say 274.000 joint @ Rs 184.13 / joint							Rs 50451.62	
11	18.30.4 Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:150 mm diameter pipe								
		1	8.000				8.000		
	Total Quantity						8.000 Nos		
	Total Deducted Quantity						0.000 Nos		
	Net Total Quantity						8.000 Nos		
	Say 8.000 Nos @ Rs 402.30 / Nos							Rs 3218.40	
12	18.83.4 Labour for cutting C.I. pipe with steel saw.150 mm diameter C.I. pipe								
		1	20.000				20.000		
	Total Quantity						20.000 Each Cut		
	Total Deducted Quantity						0.000 Each Cut		
	Net Total Quantity						20.000 Each Cut		
	Say 20.000 Each Cut @ Rs 337.12 / Each Cut							Rs 6742.40	
13	100.35.2 Testing 150mm DI/CI pipeline with potable water to the required test pressure 150 mm dia Observed Data derived from item no.1018 of PHED DATA								
		1	1490.000				1490.000		

	for anchor block	12	4*.6	0.600			17.280	
	Total Quantity						17.280 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						17.280 sqm	
	Say 17.280 sqm @ Rs 350.00 / sqm						Rs 6048.00	
18	100.32.1 Conveying and fixing C I Single acting Air Valve of approved quality with bolts,nuts,rubber insertions etc . excluding the cost of air valve(the tail pieces if required will be paid seperately): 25 mm Single acting Air Valve Observed Data derived from item no.18.59.of DAR							
		3					3.000	
	Total Quantity						3.000 Nos	
	Total Deducted Quantity						0.000 Nos	
	Net Total Quantity						3.000 Nos	
	Say 3.000 Nos @ Rs 146.63 / Nos						Rs 439.89	
19	100.31.1.4 Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) : 150 mm diameter. Class I" Data derived from item no.18.31.3.1 of DAR							
		1					1.000	
	Total Quantity						1.000 Nos	
	Total Deducted Quantity						0.000 Nos	
	Net Total Quantity						1.000 Nos	
	Say 1.000 Nos @ Rs 1253.32 / Nos						Rs 1253.32	
SI No	Description	No	L	B	D	CF	Quantity	Remark
2Supply and Laying distribution main- cost of materials (Cost Index:41.53 %)								
1	100.98.116 Supply of DI K9 Pipe Conforming to IS 8329/2000, 150mm Dia.							
		1	1490.000				1490.000	
	Add 2% for mace	1	1490.000			0.02	29.800	
	Total Quantity						1519.800 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						1519.800 metre	
	Say 1519.800 metre @ Rs 1673.35 / metre						Rs 2543157.33	
2	od299268/2021_2022							

	 Supply of PVC Pipe, 12.5kg/cm2, 160mm Dia.						
		1	650.000				650.000
	Total Quantity						650.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						650.000 metre
	Say 650.000 metre @ Rs 1689.98 / metre						Rs 1098487.00
3	od309800/2021_2022 Specials for 160 mm PVC pipe-12.5Kg/cm2						
		1					1.000
	Total Quantity						1.000 L.S
	Total Deducted Quantity						0.000 L.S
	Net Total Quantity						1.000 L.S
	Say 1.000 L.S @ Rs 25517.85 / L.S						Rs 25517.85
4	100.98.237 Supply of uPVC Pipe, IS 4985: 2000 , 10kg/cm2, 110mm Dia.						
		1	1580.000				1580.000
	Total Quantity						1580.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						1580.000 metre
	Say 1580.000 metre @ Rs 488.80 / metre						Rs 772304.00
5	od309801/2021_2022 Specials for 110 mm PVC pipe-10 Kg/cm2						
		1					1.000
	Total Quantity						1.000 L.S
	Total Deducted Quantity						0.000 L.S
	Net Total Quantity						1.000 L.S
	Say 1.000 L.S @ Rs 17940.62 / L.S						Rs 17940.62
6	100.98.224 Supply of uPVC Pipe, IS 4985: 2000 , 8kg/cm2, 110mm Dia.						
		1	250.000				250.000
	Total Quantity						250.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						250.000 metre
	Say 250.000 metre @ Rs 418.15 / metre						Rs 104537.50

7	od309802/2021_2022 Specials for 110 mm PVC pipe-8 Kg/cm2						
		1					1.000
	Total Quantity						1.000 L.S
	Total Deducted Quantity						0.000 L.S
	Net Total Quantity						1.000 L.S
	Say 1.000 L.S @ Rs 2428.41 / L.S						Rs 2428.41
8	100.98.103 Supply of DI K7 Pipe Conforming to IS 8329/2000, 200mm Dia.						
	Casing pipe	1	30.000				30.000
	Total Quantity						30.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						30.000 metre
	Say 30.000 metre @ Rs 1751.10 / metre						Rs 52533.00
9	100.98.102 Supply of DI K7 Pipe Conforming to IS 8329/2000, 150mm Dia.						
	Casing pipe	1	30.000				30.000
	Total Quantity						30.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						30.000 metre
	Say 30.000 metre @ Rs 1475.50 / metre						Rs 44265.00
10	100.98.104 Supply of DI K7 Pipe Conforming to IS 8329/2000, 250mm Dia.						
	Casing pipe	1	30.000				30.000
	Total Quantity						30.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						30.000 metre
	Say 30.000 metre @ Rs 2301.35 / metre						Rs 69040.50
11	100.98.440 Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 25mm.						
	(Distribution Line)						
		3					3.000
	Total Quantity						3.000 No
	Total Deducted Quantity						0.000 No

	Net Total Quantity						3.000 No		
	Say 3.000 No @ Rs 966.75 / No							Rs 2900.25	
12	100.98.496 Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Hand Wheel PN 1.0, Size 150mm.								
		1					1.000		
	Total Quantity						1.000 No		
	Total Deducted Quantity						0.000 No		
	Net Total Quantity						1.000 No		
	Say 1.000 No @ Rs 6734.30 / No							Rs 6734.30	
Sl No	Description	No	L	B	D	CF	Quantity	Remark	
3Providing Gravity Mains-Working charges (Cost Index:41.53 %)									
1	100.1.1 Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : All kinds of soil (Ref. Item No. 2.10.1 of DSR)								
	150 mm DI,-upto Stn valve	1	650.000	0.600	1.100	0.8	343.201		
	100 mm DI-Stn Valve to GLSR Treatment site	1	1450.000	0.500	1.000	0.8	580.000		
	Total Quantity						923.201 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						923.201 cum		
	Say 923.201 cum @ Rs 579.85 / cum							Rs 535318.10	
2	100.1.5 Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :" Ordinary Rock. (Ref. Item No. 2.13.1 of DSR)								
	150 mm DI,-upto Stn valve	1	650.000	0.600	1.100	0.15	64.351		

	100 mm DI-Stn Valve to GLSR Treatment site	1	1450.000	0.500	1.000	0.15	108.750		
	Total Quantity						173.101 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						173.101 cum		
	Say 173.101 cum @ Rs 842.10 / cum							Rs 145768.35	
3	<p>100.2.3 "Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : Medium Rock (Requiring Blasting) New Data derived from DAR</p>								
	150 mm DI,-upto Stn valve	1	650.000	0.600	1.100	0.05	21.451		
	100 mm DI-Stn Valve to GLSR Treatment site	1	1450.000	0.500	1.000	0.05	36.250		
	Total Quantity						57.701 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						57.701 cum		
	Say 57.701 cum @ Rs 1043.15 / cum							Rs 60190.80	
4	<p>100.8.1 Fencing one side of trenches, 1.50 m height with two rows of 10 cm plastic caution tape in vertical casuarina pole (girth 15cm to 24cm) fixed at 2 m intervals. (Data Prepared based on PWD SDB - Item No.1009)</p>								
		1	1200.000			0.8	960.000		
	Total Quantity						960.000 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						960.000 metre		
	Say 960.000 metre @ Rs 28.82 / metre							Rs 27667.20	
5	<p>4.1.3 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)</p>								
	Anchor block	60	0.600	0.600	0.600		12.960		

	45 degree bend, 150 mm	8				0.16	1.280		
	22.5 degree bend, 150 mm	6				0.15	0.900		
	11.25 degree bend, 150 mm	12				0.14	1.681		
	Tee 150X150X150	4				0.29	1.160		
	150 mm Tail piece	4				0.32	1.280		
	90 degree bend, 100 mm	6				0.11	0.660		
	45 degree bend, 100 mm	8				0.1	0.800		
	22.5 degree bend, 100 mm	10				0.09	0.900		
	11.25 degree bend, 100 mm	15				0.09	1.350		
	Tee 100X100X100	3				0.22	0.660		
	100 mm Tail piece	4				0.25	1.000		
	Total Quantity						12.471 quintal		
	Total Deducted Quantity						0.000 quintal		
	Net Total Quantity						12.471 quintal		
	Say 12.471 quintal @ Rs 21003.05 / quintal						Rs 261929.04		
10	18.69.1 Providing and laying D.I Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :Upto 600 mm dia								
	150 mm MJ collar	3					3.000		
	100mm MJ collar	6					6.000		
	Total Quantity						9.000 quintal		
	Total Deducted Quantity						0.000 quintal		
	Net Total Quantity						9.000 quintal		
	Say 9.000 quintal @ Rs 22071.60 / quintal						Rs 198644.40		
11	18.83.4 Labour for cutting C.I. pipe with steel saw.150 mm diameter C.I. pipe								
		7					7.000		
	Total Quantity						7.000 Each Cut		
	Total Deducted Quantity						0.000 Each Cut		

		Net Total Quantity					7.000 Each Cut	
		Say 7.000 Each Cut @ Rs 337.12 / Each Cut					Rs 2359.84	
12	18.83.2	Labour for cutting C.I. pipe with steel saw.100 mm diameter C.I. pipe						
		1	18.000				18.000	
		Total Quantity					18.000 Each Cut	
		Total Deducted Quantity					0.000 Each Cut	
		Net Total Quantity					18.000 Each Cut	
		Say 18.000 Each Cut @ Rs 179.39 / Each Cut					Rs 3229.02	
13	18.70.1	Providing push - on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket:100 mm dia pipes						
		265					265.000	
		Total Quantity					265.000 joint	
		Total Deducted Quantity					0.000 joint	
		Net Total Quantity					265.000 joint	
		Say 265.000 joint @ Rs 112.59 / joint					Rs 29836.35	
14	18.70.2	Providing push - on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket:150 mm dia pipes						
		120					120.000	
		Total Quantity					120.000 joint	
		Total Deducted Quantity					0.000 joint	
		Net Total Quantity					120.000 joint	
		Say 120.000 joint @ Rs 184.13 / joint					Rs 22095.60	
15	18.30.4	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:150 mm diameter pipe						
		8					8.000	
		Total Quantity					8.000 Nos	
		Total Deducted Quantity					0.000 Nos	
		Net Total Quantity					8.000 Nos	
		Say 8.000 Nos @ Rs 402.30 / Nos					Rs 3218.40	
16	18.30.2	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:100 mm diameter pipe						

		1	12.000				12.000	
	Total Quantity						12.000 Nos	
	Total Deducted Quantity						0.000 Nos	
	Net Total Quantity						12.000 Nos	
	Say 12.000 Nos @ Rs 325.59 / Nos						Rs 3907.08	
17	100.31.1.4 Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) : 150 mm diameter. Class I" Data derived from item no.18.31.3.1 of DAR							
		2					2.000	
	Total Quantity						2.000 Nos	
	Total Deducted Quantity						0.000 Nos	
	Net Total Quantity						2.000 Nos	
	Say 2.000 Nos @ Rs 1253.32 / Nos						Rs 2506.64	
18	100.31.1.2 "Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) :100 mm diameter. Class I" Data derived from item no.18.31.1.1of DAR							
		3					3.000	
	Total Quantity						3.000 Nos	
	Total Deducted Quantity						0.000 Nos	
	Net Total Quantity						3.000 Nos	
	Say 3.000 Nos @ Rs 925.39 / Nos						Rs 2776.17	
19	100.32.1 Conveying and fixing C I Single acting Air Valve of approved quality with bolts,nuts,rubber insertions etc . excluding the cost of air valve(the tail pieces if required will be paid seperately): 25 mm Single acting Air Valve Observed Data derived from item no.18.59.of DAR							
		5					5.000	
	Total Quantity						5.000 Nos	
	Total Deducted Quantity						0.000 Nos	
	Net Total Quantity						5.000 Nos	
	Say 5.000 Nos @ Rs 146.63 / Nos						Rs 733.15	
20	100.35.2							

	Testing 150mm DI/CI pipeline with potable water to the required test pressure 150 mm dia Observed Data derived from item no.1018 of PHED DATA							
		1	650.000				650.000	
	Total Quantity						650.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						650.000 metre	
	Say 650.000 metre @ Rs 32.88 / metre						Rs 21372.00	
21	100.35.1 Testing 100mm DI/CI pipeline with potable water to the required test pressure 100 mm dia Observed Data derived from item no.1016 of PHED DATA							
		1	1450.000				1450.000	
	Total Quantity						1450.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						1450.000 metre	
	Say 1450.000 metre @ Rs 24.35 / metre						Rs 35307.50	
SI No	Description	No	L	B	D	CF	Quantity	Remark
4Providing Gravity -Cost of materials (Cost Index:41.53 %)								
1	100.98.116 Supply of DI K9 Pipe Conforming to IS 8329/2000, 150mm Dia.							
		1	650.000				650.000	
	2% mace	1	650.000			0.02	13.000	
	Total Quantity						663.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						663.000 metre	
	Say 663.000 metre @ Rs 1673.35 / metre						Rs 1109431.05	
2	100.98.115 Supply of DI K9 Pipe Conforming to IS 8329/2000, 100mm Dia.							
		1	1450.000				1450.000	
	2% for mace.	1	1450.000			0.02	29.000	
	Total Quantity						1479.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						1479.000 metre	
	Say 1479.000 metre @ Rs 1143.05 / metre						Rs 1690570.95	

3	100.98.440 Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 25mm.								
		5						5.000	
		Total Quantity						5.000 No	
		Total Deducted Quantity						0.000 No	
		Net Total Quantity						5.000 No	
		Say 5.000 No @ Rs 966.75 / No						Rs 4833.75	
4	100.98.458 Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 100mm.								
		3						3.000	
		Total Quantity						3.000 No	
		Total Deducted Quantity						0.000 No	
		Net Total Quantity						3.000 No	
		Say 3.000 No @ Rs 4186.85 / No						Rs 12560.55	
5	100.98.460 Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 150mm.								
		2						2.000	
		Total Quantity						2.000 No	
		Total Deducted Quantity						0.000 No	
		Net Total Quantity						2.000 No	
		Say 2.000 No @ Rs 6770.65 / No						Rs 13541.30	
SI No	Description	No	L	B	D	CF	Quantity	Remark	
5Construction of valve chamber for Valves in Pumping and gravity mains (Cost Index:41.53 %)									
1	2.8.1 Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil								
	For Valve chamber of size 1.2mX1.2mX1.1m	5	1.600	1.600	1.300		16.641		
		Total Quantity						16.641 cum	
		Total Deducted Quantity						0.000 cum	
		Net Total Quantity						16.641 cum	
		Say 16.641 cum @ Rs 309.95 / cum						Rs 5157.88	

2	4.1.3 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)							
	For Valve chamber	5	1.500	1.500	0.100		1.125	
	Total Quantity						1.125 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						1.125 cum	
	Say 1.125 cum @ Rs 8340.93 / cum						Rs 9383.55	
3	5.1.2 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size)							
	For Valve chamber Base and cover slab(1.2X1.2X1.1)	2*5	1.500	1.500	0.200		4.500	
	For side wall(1.2X1.2X1.1)	5	1.35*4	0.150	0.900		3.646	
	Total Quantity						8.146 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						8.146 cum	
	Say 8.146 cum @ Rs 9483.15 / cum						Rs 77249.74	
4	5.9.2 Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, buttersesses, plinth and string courses etc.							
	Valve chamber outside(1.2x1.2x1.1)	5	1.5*4		1.100		33.000	
	Valve chamber inside(1.2x1.2x1.1)	5	1.2*4		0.900		21.600	
	Total Quantity						54.600 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						54.600 sqm	
	Say 54.600 sqm @ Rs 748.62 / sqm						Rs 40874.65	
5	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more							
		1	8.146			80.0	651.681	

	Total Quantity	651.681 kilogram
	Total Deducted Quantity	0.000 kilogram
	Net Total Quantity	651.681 kilogram
	Say 651.681 kilogram @ Rs 102.61 / kilogram	Rs 66868.99
	Total	11998016.12
	Centage @	0.0%
	Centage Amount	0.00
	Provision for GST payments (in %) @	12.0%
	Amount reserved for GST payments	1439761.93
	Total & Centage	13437778.05
	Lumpsum for round off	2221.95
	GRAND TOTAL Rs	13440000.00
	Rounded Grand Total Rs	1,34,40,000
	Rupees One Crore Thirty Four Lakh Forty Thousand Only	


 Kerala Water Authority
PRICE