

Detailed Estimate

JJM:-Providing FHTC to households in Erattayar Panchayat from existing and ongoing schemes

(Dsor year: 2016)

Sl No	Description	No	L	B	D	CF	Quantity	Remark
1App A - Part I - Providing FHTC, from exiting pipe lines (Cost Index:48.71 %)								
1	100.60.14.4.2 Providing 15mm (1/2 inch) house connection with 15mm water meter from existing AC / GI mains from 150mm to 200mm dia., up to a length of 5 m using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, GI / MS Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.	50					50.000	
							Total Quantity	50.000 Nos
							Total Deducted Quantity	0.000 Nos
							Net Total Quantity	50.000 Nos
							Say 50.000 Nos @ Rs 6422.28 / Nos	Rs 321114.00
2	100.60.14.1.2 Providing 15mm (1/2 inch) house connection with 15mm water meter from existing PVC / HDPE mains from 140mm to 200mm dia., up to a length of 5 m using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, PVC Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.	50					50.000	

	125 mm dia., up to a length of 5m using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, GI / MS Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.								
		260						260.000	
		Total Quantity					260.000 Nos		
		Total Deducted Quantity					0.000 Nos		
		Net Total Quantity					260.000 Nos		
		Say 260.000 Nos @ Rs 6335.18 / Nos					Rs 1647146.80		
6	100.60.1.4.2 Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing AC / GI mains up to 125 mm dia., up to a length of 5 m using 20mm Indian Standard Class 6 uPVC pipe and uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel valve, Elbow, MTA, FTA, couplers, GI / MS / SS Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.								
		425						425.000	
		Total Quantity					425.000 Nos		
		Total Deducted Quantity					0.000 Nos		
		Net Total Quantity					425.000 Nos		
		Say 425.000 Nos @ Rs 5145.36 / Nos					Rs 2186778.00		
7	100.60.13.1.2 Providing 15mm (1/2 inch) house connection with 15mm water meter from existing PVC / HDPE mains up to 110 mm dia., up to a length of 5m using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, PVC Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables								

	and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.								
		120						120.000	
		Total Quantity					120.000 Nos		
		Total Deducted Quantity					0.000 Nos		
		Net Total Quantity					120.000 Nos		
		Say 120.000 Nos @ Rs 6222.28 / Nos					Rs 746673.60		
8	100.60.1.1.2 Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing PVC / HDPE mains up to 110 mm dia., up to a length of 5 m using 20mm Indian Standard Class 6 uPVC pipe and uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel valve, Elbow, MTA, FTA, couplers, PVC Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.								
		88						88.000	
		Total Quantity					88.000 Nos		
		Total Deducted Quantity					0.000 Nos		
		Net Total Quantity					88.000 Nos		
		Say 88.000 Nos @ Rs 5032.46 / Nos					Rs 442856.48		
9	100.60.12.3.1 Providing 15mm PVC Tap in the water meter assembly for 15mm connection, using 20mm Indian Standard Class 6 uPVC pipes and specials including cost of materials, consumables, hire charges for tools and labour charges etc. complete and as per the direction of departmental officers.								
		1110						1110.000	
		Total Quantity					1110.000 Nos		
		Total Deducted Quantity					0.000 Nos		
		Net Total Quantity					1110.000 Nos		
		Say 1110.000 Nos @ Rs 443.76 / Nos					Rs 492573.60		
10	100.60.3.1.1 Providing additional length of house connection pipe using 20mm Indian Standard Class 6 uPVC pipe and specials and testing the joints etc., by trenching and refilling in all kinds of soil with trench of average cross section 0.3m x 0.75m for laying of connection pipe and service pipe, lighting, watching, providing caution boards, traffic control etc., including cost of materials, hire for tools, cost of consumables and								

	labour charges etc. complete, but excluding the cost of cutting of concrete / tarred / bituminous roads etc., and as per the directions of the department officers.						
		630	15.000				9450.000
	Total Quantity						9450.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						9450.000 metre
	Say 9450.000 metre @ Rs 134.23 / metre						Rs 1268473.50
11	<p>100.60.15.1.1 Providing additional length of house connection pipe using 20 mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PN16 specials and testing the joints etc., by trenching and refilling in all kinds of soil with trench of average cross section 0.3m x 0.75m for laying of connection pipe and service pipe, lighting, watching, providing caution boards, traffic control etc., including cost of materials, hire for tools, cost of consumables and labour charges etc. complete, but excluding the cost of cutting of concrete / tarred / bituminous roads etc., and as per the directions of the department officers.</p>						
		480	15.000				7200.000
	Total Quantity						7200.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						7200.000 metre
	Say 7200.000 metre @ Rs 143.35 / metre						Rs 1032120.00
12	<p>100.59.1 Cutting the bituminous / concrete roads with cutting machine for a minimum depth of 200mm along the sides of proposed alignment of the pipe to be laid without causing any damage to other utilities, including the charges for hire and conveyance of tools and plant, cost of consumables and charges for lighting, watching, ribbon fencing, caution boards, traffic diversion, and as per the direction of departmental officers etc. complete, before carrying out the demolition of bituminous / concrete road by mechanical means and carrying out the excavation.</p>						
	Road crossing (PWD-100Nos)	100	6*2				1200.000
	Side pit (PWD)	50	0.6*4				120.000
	Road crossing (Pt road- 100Nos)	100	5*2				1000.000
	BMBC road side pit	5	0.6*4				12.000
	BMBC road crossing	2	10*2				40.000
	Total Quantity						2372.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						2372.000 metre
	Say 2372.000 metre @ Rs 33.91 / metre						Rs 80434.52

13	15.59 Dismantling of flexible pavement (bituminous courses) by mechanical means and disposal of dismantled material up to a lead of 1 kilo metre, as per direction of Engineer-in-charge.								
	Road crossing (PWD)	100	6.000	0.300	0.200		36.000		
	Side pit (PWD)	50	0.600	0.600	0.200		3.600		
	Road crossing (PT road)	100	5.000	0.300	0.200		30.001		
	BMBC road side pit	5	0.600	0.600	0.300		0.540		
	BMBC road crossing	2	10.000	0.300	0.300		1.800		
	Total Quantity						71.941 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						71.941 cum		
	Say 71.941 cum @ Rs 304.11 / cum						Rs 21877.98		
14	15.2.1 Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in-Charge.Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)								
	Other than PWD road								
	Side pit	250	0.500	0.500	0.150		9.375		
	crossing	150	3.000	0.300	0.150		20.250		
	Total Quantity						29.625 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						29.625 cum		
	Say 29.625 cum @ Rs 1482.71 / cum						Rs 43925.28		
15	4.1.5 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)								
	Concrete road side pit portion (Pt road)	250	0.500	0.500	0.150		9.375		
	Concrete road crossing portion (Pt road)	150	3.000	0.300	0.150		20.250		
	Tar road crossing portion(Panchayat road restoration)	100	5.000	0.300	0.150		22.500		

	Tar road crossing portion(PWD Road temporary restoration)	100	6.000	0.300	0.150		27.000	
	Tar road side pit portion (PWD road temporary restoration)	50	0.600	0.600	0.150		2.700	
	Total Quantity						81.825 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						81.825 cum	
	Say 81.825 cum @ Rs 7326.94 / cum						Rs 599526.87	
16	<p>100.59.2</p> <p>Refilling the trenches with a wet mix of close graded granular materials (Stone aggregate - 25mm nominal size - 17.5%, Stone aggregate - 10mm nominal size - 17.5%, Crushed Stone - 2.36mm to 12.5mm - 25%, Stone chippings / screenings - 4.75mm nominal size - 20%, Stone chippings / screenings - 150 micron nominal size - 20%), mixing properly after adding sufficient quantity of water, refilling in layers not exceeding 150mm, compacting properly at Optimum Moisture Content with Surface Plate Vibrator and disposing the excavated material etc. complete, including traffic control, providing caution boards and as per direction of Engineer-in-charge for road restoration works in pipeline leak sites.</p>							
	BMBC road side pit	5	0.600	0.600	0.500	1.5	1.350	
	BMBC road crossing	2	10.000	0.300	0.500	1.5	4.500	
	Total Quantity						5.850 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						5.850 cum	
	Say 5.850 cum @ Rs 6187.24 / cum						Rs 36195.35	
17	<p>100.59.3</p> <p>Restoring the road surfaces by providing and laying factory made cold bitumen-aggregate pot-hole repair mix in two layers of 25mm thick (total 50mm thick), by cleaning the surface with brooms etc. to remove dust/bebris/water etc, placing the premix, compacting properly with hand-rammer etc. complete, including traffic control, providing caution boards and as per direction of Engineer-in-charge for road restoration works in pipeline leak sites.</p>							
	BM & BC road side pit	5	0.600	0.600		1.5	2.700	
	B M & B C road crossing	2	10.000	0.300		1.5	9.000	
	Total Quantity						11.700 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						11.700 sqm	
	Say 11.700 sqm @ Rs 2364.71 / sqm						Rs 27667.11	
18	od139159/2020_2021							

SI No	Description	No	L	B	D	CF	Quantity	Remark
Charges for Geo tagging and undertaking								
		1110					1110.000	
Total Quantity							1110.000 No	
Total Deducted Quantity							0.000 No	
Net Total Quantity							1110.000 No	
Say 1110.000 No @ Rs 20.00 / No							Rs 22200.00	
2App A - Part II - Application fee and Connection fee for providing water connection (Cost Index:48.71 %)								
1	od139162/2020_2021 Charges for application fee, connection fee, meter testing fee etc for connections having length below 30 m							
		1100					1100.000	
Total Quantity							1100.000 No	
Total Deducted Quantity							0.000 No	
Net Total Quantity							1100.000 No	
Say 1100.000 No @ Rs 513.33 / No							Rs 564663.00	
3App A - Part III - Road restoration charges (Cost Index:48.71 %)								
1	od106421/2020_2021 Road restoration charges for Berm cutting as per G.O.(Ms)No.59/2020/PWD dtd 30/7/2020							
		550	1.000	1.000		1.34	737.000	Restoration = 1.50x cutting area divided by 1.2 for gst
Total Quantity							737.000 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							737.000 sqm	
Say 737.000 sqm @ Rs 321.29 / sqm							Rs 236790.73	
2	od133973/2020_2021 Road restoration charges for cutting 20mm open graded chipping carpet surface as per G.O(Rt) No.CE/R&B/ GL-RC/2/2019 Dated - 30.03.2019							

	Side pit restoration	50	0.600	0.600		1.34	24.120	Restoration = 1.50x cutting area divided by 1.2 for gst	
	Crossing	100	6.000	0.300		1.34	241.200	Restoration = 1.50x cutting area divided by 1.2 for gst	
	Total Quantity						265.320 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						265.320 sqm		
	Say 265.320 sqm @ Rs 3090.57 / sqm						Rs 819990.03		
3	od106422/2020_2021 Road restoration charges for BM & BC road surface as per G.O.(Ms)No.59/2020/PWD dated 30/7/2020								
	BMBC side pit	5	0.600	0.600		1.34	2.412	Restoration = 1.50 times cutting area divided by 1.2 for gst	
	BMBC crossing	2	10.000	0.300		1.34	8.041	Restoration = 1.50 times cutting area divided by 1.2 for gst	
	Total Quantity						10.453 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						10.453 sqm		
	Say 10.453 sqm @ Rs 3633.49 / sqm						Rs 37980.87		
Sl No	Description	No	L	B	D	CF	Quantity	Remark	
4App B - Part I - Connections from the pipe lines of ongoing schemes (Cost Index:48.71 %)									

1	100.60.14.4.2 Providing 15mm (1/2 inch) house connection with 15mm water meter from existing AC / GI mains from 150mm to 200mm dia., up to a length of 5 m using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, GI / MS Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.	150					150.000		
		Total Quantity					150.000 Nos		
		Total Deducted Quantity					0.000 Nos		
		Net Total Quantity					150.000 Nos		
		Say 150.000 Nos @ Rs 6422.28 / Nos					Rs 963342.00		
2	100.60.13.4.2 Providing 15mm (1/2 inch) house connection with 15mm water meter from existing AC / GI mains up to 125 mm dia., up to a length of 5m using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, GI / MS Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.	150					150.000		
		Total Quantity					150.000 Nos		
		Total Deducted Quantity					0.000 Nos		
		Net Total Quantity					150.000 Nos		
		Say 150.000 Nos @ Rs 6335.18 / Nos					Rs 950277.00		
3	100.60.1.4.2 Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing AC / GI mains up to 125 mm dia., up to a length of 5 m using 20mm Indian Standard Class 6 uPVC pipe and uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel valve, Elbow, MTA, FTA, couplers, GI / MS / SS Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing								

	water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.						
		150					150.000
	Total Quantity						150.000 Nos
	Total Deducted Quantity						0.000 Nos
	Net Total Quantity						150.000 Nos
	Say 150.000 Nos @ Rs 5145.36 / Nos						Rs 771804.00
4	100.60.1.1.2 Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing PVC / HDPE mains up to 110 mm dia., up to a length of 5 m using 20mm Indian Standard Class 6 uPVC pipe and uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel valve, Elbow, MTA, FTA, couplers, PVC Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.						
		50					50.000
	Total Quantity						50.000 Nos
	Total Deducted Quantity						0.000 Nos
	Net Total Quantity						50.000 Nos
	Say 50.000 Nos @ Rs 5032.46 / Nos						Rs 251623.00
5	100.60.12.1.1 Providing 15mm CP Brass Tap in the water meter assembly for 15mm connection, using 20mm Indian Standard Class 6 uPVC pipes and specials including cost of materials, consumables, hire charges for tools and labour charges etc. complete and as per the direction of departmental officers.						
		500					500.000
	Total Quantity						500.000 Nos
	Total Deducted Quantity						0.000 Nos
	Net Total Quantity						500.000 Nos
	Say 500.000 Nos @ Rs 755.48 / Nos						Rs 377740.00
6	100.60.3.1.1 Providing additional length of house connection pipe using 20mm Indian Standard Class 6 uPVC pipe and specials and testing the joints etc., by trenching and refilling in all kinds of soil with trench of average						

	cross section 0.3m x 0.75m for laying of connection pipe and service pipe, lighting, watching, providing caution boards, traffic control etc., including cost of materials, hire for tools, cost of consumables and labour charges etc. complete, but excluding the cost of cutting of concrete / tarred / bituminous roads etc., and as per the directions of the department officers.						
		1	3000.000				3000.000
	Total Quantity						3000.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						3000.000 metre
	Say 3000.000 metre @ Rs 134.23 / metre						Rs 402690.00
7	100.60.15.1.1 Providing additional length of house connection pipe using 20 mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PN16 specials and testing the joints etc., by trenching and refilling in all kinds of soil with trench of average cross section 0.3m x 0.75m for laying of connection pipe and service pipe, lighting, watching, providing caution boards, traffic control etc., including cost of materials, hire for tools, cost of consumables and labour charges etc. complete, but excluding the cost of cutting of concrete / tarred / bituminous roads etc., and as per the directions of the department officers.						
		1	3000.000				3000.000
	Total Quantity						3000.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						3000.000 metre
	Say 3000.000 metre @ Rs 143.35 / metre						Rs 430050.00
8	15.2.1 Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in-Charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)						
	Side pit (Panchayat road)	25	0.600	0.600	0.150		1.350
	Crossing (Panchayat road)	30	3.000	0.300	0.150		4.050
	Side pit (PWD concrete road portion)	10	0.600	0.600	0.150		0.540
	Total Quantity						5.940 cum
	Total Deducted Quantity						0.000 cum
	Net Total Quantity						5.940 cum
	Say 5.940 cum @ Rs 1482.71 / cum						Rs 8807.30
9	4.1.6 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm						

	nominal size)							
	Side pit (Pt road)	25	0.600	0.600	0.150		1.350	
	Crossing (Panchayat road)	30	3.000	0.300	0.150		4.050	
	Side pit (PWD road temporary restoration)	50	0.600	0.600	0.150		2.700	
	Side pit (PWD concrete road temporary restoration)	10	0.600	0.600	0.150		0.540	
	Crossing (PWD road temporary restoration)	10	6.000	0.300	0.150		2.700	
	Total Quantity						11.340 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						11.340 cum	
	Say 11.340 cum @ Rs 7159.72 / cum						Rs 81191.22	
10	od139159/2020_2021 Charges for Geo tagging and undertaking							
		500					500.000	
	Total Quantity						500.000 No	
	Total Deducted Quantity						0.000 No	
	Net Total Quantity						500.000 No	
	Say 500.000 No @ Rs 20.00 / No						Rs 10000.00	
Sl No	Description	No	L	B	D	CF	Quantity	Remark
5App B - Part II - Street main extension for house connection (Cost Index:48.71 %)								
1	18.12.6 Providing and fixing G.I. pipes complete with G.I fittings including trenching and refilling etc. External work 50 mm dia nominal bore							
		1	1740.000				1740.000	
	Total Quantity						1740.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						1740.000 metre	
	Say 1740.000 metre @ Rs 509.63 / metre						Rs 886756.20	
2	18.17.4 Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bore							
		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 1115.18 / No	Rs 3345.54
3	18.12.7	Providing and fixing G.I. pipes complete with G.I fittings including trenching and refilling etc. External work 65 mm dia nominal bore						
		1	2750.000					2750.000
							Total Quantity	2750.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	2750.000 metre
							Say 2750.000 metre @ Rs 671.72 / metre	Rs 1847230.00
4	18.17.5	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :65 mm nominal bore						
		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 1913.60 / No	Rs 9568.00
5	18.12.8	Providing and fixing G.I. pipes complete with G.I fittings including trenching and refilling etc. External work 80 mm dia nominal bore						
		1	1100.000					1100.000
							Total Quantity	1100.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	1100.000 metre
							Say 1100.000 metre @ Rs 857.09 / metre	Rs 942799.00
6	18.17.6	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :80 mm nominal bore						
		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 2854.49 / No							Rs 2854.49	
SI No	Description	No	L	B	D	CF	Quantity	Remark
6App B - Part III - Application fee and supervision charges (Cost Index:48.71 %)								
1	od139162/2020_2021 Charges for application fee, connection fee, meter testing fee etc for connections having length below 30 m							
		500					500.000	
Total Quantity							500.000 No	
Total Deducted Quantity							0.000 No	
Net Total Quantity							500.000 No	
Say 500.000 No @ Rs 513.33 / No							Rs 256665.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
7App B - Part IV - Road restoration charges (Cost Index:48.71 %)								
1	od106421/2020_2021 Road restoration charges for Berm cutting as per G.O.(Ms)No.59/2020/PWD dtd 30/7/2020							
	For house connection	60	1.000	1.000		1.34	80.400	Restoration = 1.50 times cutting area divided by 1.2 for gst
	For laying street mains	1	100.000	0.500		1.34	67.000	Restoration = 1.50 times cutting area divided by 1.2 for gst
Total Quantity							147.400 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							147.400 sqm	
Say 147.400 sqm @ Rs 321.29 / sqm							Rs 47358.15	
2	od133973/2020_2021 Road restoration charges for cutting 20mm open graded chipping carpet surface as per G.O(Rt) No.CE/R&B/ GL-RC/2/2019 Dated - 30.03.2019							

	Side pit	50	0.600	0.600	1.34	24.120	Restoration = 1.50 times cutting area divided by 1.2 for gst
	Crossing	10	6.000	0.300	1.34	24.120	Restoration = 1.50 times cutting area divided by 1.2 for gst
	Total Quantity					48.240 sqm	
	Total Deducted Quantity					0.000 sqm	
	Net Total Quantity					48.240 sqm	
	Say 48.240 sqm @ Rs 3090.57 / sqm					Rs 149089.10	
3	od106443/2020_2021 Road restoration charges for concrete road surface as per G.O.(Ms) No.59/2020/PWD dated 30/7/2020						
	For house connection	10	0.600	0.600	1.34	4.824	Restoration = 1.50 times cutting area divided by 1.2 for gst
	Total Quantity					4.824 sqm	
	Total Deducted Quantity					0.000 sqm	
	Net Total Quantity					4.824 sqm	
	Say 4.824 sqm @ Rs 4887.00 / sqm					Rs 23574.89	
	Total					19973681.92	
	Centage @					0.0%	
	Centage Amount					0.00	
	Provision for GST payments (in %) @					12.0%	
	Amount reserved for GST payments					2396841.83	
	Total & Centage					22370523.76	
	Lumpsum for round off					9476.24	

GRAND TOTAL Rs	22380000.00
Rounded Grand Total Rs 2,23,80,000	
Rupees Two Crore Twenty Three Lakh Eighty Thousand Only	



Kerala Water Authority

PRICE