AS and TS Approved

Detailed Estimate

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

(Dsor year: 2016)

SI No	Description	No	L	В	D	CF	Quantity	Remark
	1App A - Part I - Pı	roviding FH	ITC, from e	xiting pipe	lines (C	Cost Index:4	8.71 %)	
1	Providing 15mm (1/2 in 150mm to 200mm dia., to IS 4984: 2016 or late brass hexagonal nipple suitable size etc. and corefilling in all kinds of sc 0.3m x 0.75m for laying caution boards, traffic coand labour charges, incresistant PP / PE meticutting the concrete / ta	up to a lenter edition as, GM full we connecting word in the control etc. coluding the er box of meters.	gth of 5 m used of 5 m used of 5 m used of 5 m used of 1.50 m pipe and secomplete incost of testinimum size.	using 20mm 16 Compressive, bend, Mans, testing the main litervice pipe, cluding cost of the ded Class B Mans and the source of t	(1/2 inch) ssion / GM ITA, FTA, one joints etche ine tracing fixing water of materials Multijet wat 200mm x	PE Pipe, Please spectouplers, GI complete and trench or meter, light s, hire for too er meter with 150mm, but	E80, PN16, ocials viz. br / MS Service including tree of average cr ing, watching ls, cost of co h ISI mark a	Conforming ass ferrule, e Saddle of enching and coss section g, providing onsumables and weather charges for
		Ker:	1 777	er Auth	_		50.000	nai omooro
		P	R	Т		otal Quantity		S
			s	av 50 000 N		otal Quantity 422.28 / Nos		114.00
2	100.60.14.1.2 Providing 15mm (1/2 in from 140mm to 200m Conforming to IS 4984: ferrule, brass hexagor Saddle of suitable size trenching and refilling in cross section 0.3m x (watching, providing caucost of consumables armark and weather resexcluding charges for consumation of the consumation of the consumable of the consumation of the	m dia., up 2016 or lat nal nipple, e etc. and on all kinds or 2.75m for lation boards and labour chaistant PP	connection to a length er edition al GM full was connecting f soil up to a saying connecting traffic con arges, inclu	with 15mm of 5 m using of PP PN 16 y wheel value with the mand depth of 1.6 ection pipe a trol etc. com ding the cos	water meterng 20mm (Compressive, bend, It ins, testing 50m for material and service tof tested (Communication incomplete including the steet (Communication incomplete incomplete incomplete incomplete (Communication incomplete incomplete (Communication incompl	er from existing 1/2 inch) is sion / GM / BMTA, FTA, on the joints of the joints of the pipe, fixing ding cost of Class B Multer 300mm x	ing PVC / H PE Pipe, Pl brass special couplers, Pv etc. complet g and trench g water met materials, hi ijet water me	DPE mains 580, PN16, s viz. brass VC Service e including of average er, lighting fre for tools eter with ISI 50mm, but
	departmental officers.							

					То	tal Quantity	50.000 No	S	
				Т	otal Deduct	ed Quantity	0.000 Nos		
					Net To	tal Quantity	50.000 Nos	3	
			Sa	ay 50.000 N	os @ Rs 63	14.63 / Nos	Rs 315	731.50	
3	Providing 15mm (1/2 in mains from 150mm to 2 and uPVC / GM / Brass GI / MS / SS Service S complete including tremand trench of average water meter, lighting, waterials, hire for tools Multijet water meter wire 200mm x 150mm, but water the direction of the	comm dia., sepecials via specials via ching and coross section attention of the cost of cost of the ISI mark excluding of	up to a length a leng	oth of 5 m us rule, GM full etc. and cor I kinds of so 0.75m for la tion boards and labour er resistant	sing 20mm I way wheel necting with oil up to a dying conner, traffic contractions of the present	ndian Stand valve, Elbo th the mains epth of 1.50 ction pipe a trol etc. con cluding the ster box of n	dard Class 6 w, MTA, FT s, testing th Om for main and service nplete include cost of test ninimum siz	uPVC pipe A, couplers e joints etc line tracing pipe, fixing ding cost of the diass E	
		47	AMB.	33/1	MAI		47.000		
		15			То	tal Quantity	47.000 No	S	
					otal Deduct	ed Quantity	0.000 Nos	0.000 Nos	
			M. Com	in of Pari	Net To	tal Quantity	47.000 Nos	S	
		Kera	ala Wa	ay 47.000 N	os @ Rs 52	32.46 / Nos	Rs 245	925.62	
4	Providing 15mm (1/2 in HDPE mains from 140 uPVC pipe and uPVC FTA, couplers, PVC Select. complete including tracing and trench of a fixing water meter, light of materials, hire for too Multijet water meter with 200mm x 150mm, but the per the direction of the	mm to 2000 / GM / Brass rvice Saddle g trenching verage cross ing, watchire bls, cost of ele th ISI mark excluding cl	mm dia., up as specials and refilling as section 0 ag, providing consumable and weathe harges for c	to a length viz. brass for size etc. arg in all kind. 3m x 0.75rd caution body s and labouter resistant	of 5 m using arrule, GM for soil upon for laying ards, traffic r charges, in PP / PE me	ng 20mm Infull way whong with the ito a depth connection control etc. ncluding the ster box of n	eel valve, E mains, testir of 1.50m for pipe and s complete ince e cost of tes ninimum siz	ard Class 6 lbow, MTA ng the joints or main line ervice pipe cluding cos ted Class E e 300mm >	
		70					70.000		
			l		То	tal Quantity		s	
				Т		ed Quantity			
							70.000 Nos	3	
			Sa	ay 70.000 N				272.20	
5	100.60.13.4.2 Providing 15mm (1/2 in	ich) house	connection	with 15mm	water meter	r from existi	ng 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.

	260					260.000	
				To	tal Quantity	260.000 No	os
		Bu	T Re	otal Deducte	ed Quantity	0.000 Nos	
		-//W	Mr.	Net To	tal Quantity	260.000 No	s
		Say	y 260.000 N	os @ Rs 63	35.18 / Nos	Rs 1647	7146.80

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	
				То	tal Quantity	425.000 No	os
	ed Quantity	0.000 Nos					
Net Total Quantit						tity 425.000 Nos	
		Say	/ 425.000 N	os @ Rs 51	45.36 / Nos	Rs 2186	6778.00

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, incresistant PP / PE meter cutting the concrete / ta	er box of m	ninimum siz	e 300mm x	200mm x 1	150mm, but	excluding	charges	
		120					120.000		
					To	tal Quantity	120.000 N	os	
				Т	otal Deduct	ed Quantity	0.000 Nos		
					Net To	tal Quantity	120.000 No	os	
			Sa	y 120.000 No	os @ Rs 62	22.28 / Nos	Rs 746	6673.60	
	Providing 15mm (1/2 in HDPE mains up to 110 and uPVC / GM / Brass PVC Service Saddle of including trenching and of average cross section lighting, watching, provider tools, cost of consumeter with ISI mark ar 150mm, but excluding	mm dia., u specials v suitable si refilling in on 0.3m x 0 ding caution mables and weather charges fo	up to a lengthiz. brass fer ze etc. and all kinds of some control of the control of the control of the coutting the country co	th of 5 m using the connecting was a connecting with the connecting connecting control arges, included	ng 20mm Ir way wheel with the madepth of 1.5 tion pipe arec. completing the cotter box of r	ndian Stand valve, Elbo ins, testing 0m for main nd service p ete including st of tested minimum siz	ard Class 6 w, MTA, FT, the joints et line tracing lipe, fixing w g cost of ma Class B Mi ze 300mm	uPVC pA, couple. c. compound in and trewater meaterials, ultijet wax 200m	
	direction of the departr	rection of the departmental officers. 88 88.000							
			ala Wat	er Auth	ority _{To}	tal Quantity		s	
				Т	7 7	ted Quantity			
							88.000 Nos	 }	
			S	ay 88.000 No	os @ Rs 50	32.46 / Nos	Rs 442	2856.48	
9	100.60.12.3.1 Providing 15mm PVC Standard Class 6 uPVC tools and labour charge	c pipes an	d specials i	ncluding cos	st of materia	als, consum	ables, hire		
		1110					1110.000		
					То	tal Quantity	1110.000 [Nos	
				Т	otal Deduct	ed Quantity	0.000 Nos		
					Net To	tal Quantity	1110.000 N	los	
			Sa	y 1110.000 N	los @ Rs 4	43.76 / Nos	Rs 492	2573.60	
10	100.60.3.1.1 Providing additional ler and specials and testing cross section 0.3m x 0.	g the joints 75m for lag	etc., by tren ying of conn	ching and re	efilling in all and service	kinds of soi pipe, lighti	l with trench ng, watchinզ	of aver	

	etc., and as per the dir	ections of	the departmen	t officers.						
		630	15.000				9450.000			
					Tota	I Quantity	9450.000 r	netre		
				Total [Deducted	I Quantity	0.000 metre	Э		
					Net Tota	I Quantity	9450.000 m	netre		
			Say 9450	.000 metre @	Rs 134.2	23 / metre	Rs 126	8473.50		
11	100.60.15.1.1 Providing additional le Conforming to IS 4984: and refilling in all kinds pipe and service pipe, materials, hire for tools, cutting of concrete / tark	2016 or la of soil with lighting, wa cost of co	ater edition and trench of avera atching, providi nsumables and	PN16 special age cross secting caution boat labour charge	s and terion 0.3m ards, trades etc. co	sting the j x 0.75m the street of the street	oints etc., b for laying of I etc., includ ut excluding	y trench connec ding cos the cos		
		480	15.000	S THE	13		7200.000			
			KNIE	WAY-	Tota	I Quantity	7200.000 r	netre		
		155		Total [Deducted	I Quantity	0.000 metre	Э		
	76	KUE			Net Tota	I Quantity	7200.000 m	netre		
	Say 7200.000 metre @ Rs 143.35 / metre									
12	100.59.1 Cutting the bituminous sides of proposed align	/ concrete ment of the	pipe to be laid	ting machine for the following	or a mini ng any d of consu	amage to	other utilitie	s, includ		
	the charges for hire an watching, ribbon fencir officers etc. complete, means and carrying ou	ng, caution before car	rying out the d		•		ection of de	partme		
	watching, ribbon fencir officers etc. complete,	ng, caution before car	rying out the d		•		ection of de	partme		
	watching, ribbon fencir officers etc. complete, means and carrying ou Road crossing (PWD-	ng, caution before car It the exca	rying out the divation.		•		ection of de te road by	partme		
	watching, ribbon fencing officers etc. complete, means and carrying out Road crossing (PWD-100Nos)	ng, caution before car it the exca	rying out the divation.		•		ection of de te road by 1 1200.000	partme		
	watching, ribbon fencing officers etc. complete, means and carrying out Road crossing (PWD-100Nos) Side pit (PWD) Road crossing (Pt	ng, caution before car it the exca 100 50	rying out the divation. 6*2 0.6*4		•		1200.000 120.000	partme		
	watching, ribbon fencing officers etc. complete, means and carrying out Road crossing (PWD-100Nos) Side pit (PWD) Road crossing (Pt road-100Nos)	ng, caution before car it the exca 100 50	out the divation. 6*2 0.6*4 5*2		•		1200.000 1200.000	partme		
	watching, ribbon fencing officers etc. complete, means and carrying out Road crossing (PWD-100Nos) Side pit (PWD) Road crossing (Pt road-100Nos) BMBC road side pit	ng, caution before car the exca 100 50 100 5	out the divation. 6*2 0.6*4 5*2 0.6*4		tuminou		1200.000 1200.000 12.000	partme		
	watching, ribbon fencing officers etc. complete, means and carrying out Road crossing (PWD-100Nos) Side pit (PWD) Road crossing (Pt road-100Nos) BMBC road side pit	ng, caution before car the exca 100 50 100 5	out the divation. 6*2 0.6*4 5*2 0.6*4	emolition of bi	Tota	s / concre	1200.000 1200.000 120.000 120.000 40.000	nechan		
	watching, ribbon fencing officers etc. complete, means and carrying out Road crossing (PWD-100Nos) Side pit (PWD) Road crossing (Pt road-100Nos) BMBC road side pit	ng, caution before car the exca 100 50 100 5	out the divation. 6*2 0.6*4 5*2 0.6*4	emolition of bi	Tota	S / concre	1200.000 1200.000 120.000 120.000 12.000 40.000	mechan		

13	15.59 Dismantling of flexible p material up to a lead of	•		, •			l disposal of	dismantle
	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	
					To	tal Quantity	71.941 cur	n
			60	60	Total Deduct	ed Quantity	0.000 cum	
			190		Net To	tal Quantity	71.941 cum	1
		-	S	Say 71.941	cum @ Rs 3	04.11 / cum	Rs 21	877.98
	design mix)		Othe	r than PWD) road			
	Side pit	250	0.500	0.500	0.150		9.375	
	crossing	Ker 150	7 777	er _{0.300} th	1071ty 0.150		20.250	
						tal Quantity		n
				-	Total Deduct	1		<u> </u>
							29.625 cum	<u> </u>
			Sa	ay 29.625 cu	um @ Rs 14			925.28
15	4.1.5 Providing and laying in shuttering - All work up nominal size)	-		-	_	_		_
	Concrete road side pit portion (Pt road)	250	0.500	0.500	0.150		9.375	
	Concrete road crossing portion (Pt	150	3.000	0.300	0.150		20.250	
	road)							

			1	1	1	I	1	
	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	
					То	tal Quantity	81.825 cur	n
				Т	otal Deduct	ed Quantity	0.000 cum	
							81.825 cum	1
			Sa	ay 81.825 cu	ım @ Rs 73	26.94 / cum	Rs 599	526.87
16	100.59.2 Refilling the trenches nominal size - 17.5%, 12.5mm - 25%, Stone of - 150 micron nominal slayers not exceeding. Vibrator and disposing boards and as per dire	Stone agg chippings / s size - 20%) 150mm, cou the excava	regate - 10 screenings - , mixing pro mpacting pro ted materia	omm nomination 4.75mm no operly after roperly at O	al size - 17 minal size - adding suff ptimum Mo lete, includi	.5%, Crush 20%, Stone icient quant isture Cont ng traffic co	ed Stone - chippings / tity of water ent with Su ntrol, provid	2.36mm to screenings , refilling in rface Plate ling caution
	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	
		Kera	ala Wat	er Auth	ority To	tal Quantity	5.850 cum	
					otal Deduct			
		$P \mid$	K		Net To	tal Quantity	5.850 cum	
			S	Say 5.850 cu	ım @ Rs 61	87.24 / cum	Rs 36	195.35
17	100.59.3 Restoring the road surf mix in twolayers of 25r dust/bebris/water etc, p traffic control, providin works in pipeline leak	mm thick (to lacing the p g caution b	otal 50mm tl remix, comp	hick), by cle pacting prop	eaning the serly with ha	urface with	brooms etc etc. complet	to remove e, including
	BM& BC road side pit	5	0.600	0.600		1.5	2.700	
	BM& BC road crossing	2	10.000	0.300		1.5	9.000	
					То	tal Quantity	11.700 sqr	n
				Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	11.700 sqm	1
			Sa	ay 11.700 sq	ım @ Rs 23	64.71 / sqm	Rs 27	667.11
18	od139159/2020_2021							

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		1110					1110.000	
			1		To	tal Quantity		No
				т		ed Quantity		110
				<u>'</u>		tal Quantity		Jo
				Say 1110 0		s 20.00 / No		200.00
SI No	Description	No	L	В В	D NO W IN	CF	Quantity	Remark
 Арр А -	- Part II - Application fee	and Conn	ection fee f	or providing	g water con	nection	(Cost Inde	x:48.71 %
1	od139162/2020_2021 Charges for application	fee, conne	ection fee,m	eter testing	fee etc for c	onnections	having leng	th below
		1100	1/9				1100.000	
			E. S. B.	B 20	To	tal Quantity	1100.000	No
		619	W. P.	83 A	otal Deduct	ed Quantity	0.000 No	
		B	11510		Net To	tal Quantity	1100.000 N	10
		152	Lia	Say 1100.00	0 No @ Rs	513.33 / No	Rs 564	1663.00
SI No	Description	No	L	В	D	CF	Quantity	Remark
	ЗАрр А - Ра	rt III - Roac	l restoratio	n charges	(Cost Inc	dex:48.71 %	b)	
1	od106421/2020_2021 Road restoration charg			ter Auth per G.O.(Ms)	w/	/PWD dtd 3	0/7/2020	1
		550	1.000	1.000		1.34	737.000	Restoration n= 1.50 cutting area divided to 1.2 for g
					To	tal Quantity	737.000 s	qm
				Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	737.000 sq	lm
							i .	

SI No	Description	No	L	В	D	CF	Quantity	Remark		
			Sa	y 10.453 so	ηm @ Rs 36	33.49 / sqm	Rs 37	980.87		
					Net To	tal Quantity	10.453 sqn	า		
					Total Deduct		-			
					То	tal Quantity	10.453 sqr	m		
	BMBC crossing	2	10.000	0.300		1.34	8.041	Restora n= 1.50 times cutting area divided 1.2 for g		
	BMBC side pit	Ker	alæ.60óat	ero,600 th	ority	1.34	2.412	Restora n= 1.5 times cutting area divided 1.2 for g		
3	od106422/2020_2021 Road restoration charge	ges for BM 8	BC road su	rface as per	G.O.(Ms)N	o.59/2020/P	WD dated 3	80/7/2020 		
		619	Say	265.320 sq	ım @ Rs 309	90.57 / sqm	Rs 819	990.03		
	Net Total Quantity 265.320 sqm									
			1/100	SPAT	Total Deduct	ed Quantity	0.000 sqm			
			0	6	То	tal Quantity	265.320 sc	mp		
	Crossing	100	6.000	0.300		1.34	241.200	Restora n= 1.50 cutting area divided 1.2 for g		
	Side pit restoration	50	0.600	0.600		1.34	24.120	Restora n= 1.50 cutting area divided 1.2 for g		

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	
	/GEAL	Total Quantity	150.000 Nos	3
		otal Deducted Quantity	0.000 Nos	
	7 5K 7	Net Total Quantity	150.000 Nos	
	Say 150.000 N	os @ Rs 6422.28 / Nos	Rs 9633	42.00

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	
				To	tal Quantity	150.000 No	os
Total Deducted Quantity 0.000							
				Net To	tal Quantity	150.000 No	s
		Say	/ 150.000 N	os @ Rs 63	35.18 / Nos	Rs 950	277.00

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 No								
				Т	otal Deduct	ed Quantity	0.000 Nos		
					Net To	tal Quantity		150.000 Nos	
			Say	150.000 N	os @ Rs 51	45.36 / Nos	Rs 771	804.00	
	and uPVC / GM / Brass PVC Service Saddle of including trenching and of average cross section lighting, watching, provice for tools, cost of consumeter with ISI mark are 150mm, but excluding direction of the department.	suitable sing refilling in on 0.3m x 0 ding caution mables and weather charges for the refined weather suitable sing the reference of the refe	ze etc. and call kinds of so all kinds of so ards, trade dependent of the call the c	connecting voil up to a coing connecting connecting control arges, incluing P / PE meron concrete /	with the mai depth of 1.50 tion pipe an etc. comple ding the cos ter box of n tarred / bitu	ins, testing to the control of the c	the joints et line tracing ipe, fixing was cost of ma Class B Maze 300mm ands etc, and 50.000 No	c. complete and trench vater meter, sterials, hire ultijet water x 200mm x d as per the	
							50.000 Nos	5	
			Sa	y 50.000 N	os @ Rs 50	32.46 / Nos	Rs 251	623.00	
5	100.60.12.1.1 Providing 15mm CP Brass Tap in the water meter assembly for 15mm connection, using 20mm Indias 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		
					To	tal Quantity	500.000 N	os	
				Т	otal Deduct	ed Quantity	0.000 Nos		
					Net To	tal Quantity	500.000 No	os	
			Sa	y 500.000 f	Nos @ Rs 7	55.48 / Nos	Rs 377	740.00	
6	100.60.3.1.1 Providing additional ler	•			_				

	caution boards, traffic of labour charges etc. con	nplete, bu	it excluding	the cost of	cutting of co			
	etc., and as per the dire	ections of	the departm	nent officers	5. T			
		1	3000.000				3000.000	
					To	otal Quantity	3000.000 n	netre
				7	Total Deduct	ted Quantity	0.000 metre)
					Net To	otal Quantity	3000.000 m	etre
			Say 30	000.000 met	re @ Rs 13	4.23 / metre	Rs 402	690.0
	Providing additional length of house connection pipe using 20 mm (1/2 inch) PE Conforming to IS 4984: 2016 or later edition and PN16 specials and testing the join and refilling in all kinds of soil with trench of average cross section 0.3m x 0.75m for pipe and service pipe, lighting, watching, providing caution boards, traffic control et materials, hire for tools, cost of consumables and labour charges etc. complete, but e cutting of concrete / tarred / bituminous roads etc., and as per the directions of the de							y trend conne ling co the co
		1	3000.000	PAI !	10		3000.000	
		alde	Ka	Yay.	To	otal Quantity	3000.000 n	netre
		0.000 metre						
	Net Total Quantity							etre
	Say 3000.000 metre @ Rs 143.35 / metre							050.0
8	15.2.1 Demolishing cement cometres lead as per directed design mix) Side pit (Panchayat							
	road)							
	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						
					otal Deduct	ted Quantity	0.000 cum	
				7		ted Quantity otal Quantity		

	nominal size)		<u> </u>						
	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		
			Con.	. M.s	То	tal Quantity	11.340 cur	n	
			-//	W 1	otal Deduct	ed Quantity	0.000 cum		
		1	43 (\$ V	Net To	tal Quantity	11.340 cum	1	
		(L "	Sa	y 11.340 cu	m @ Rs 71:	59.72 / cum	Rs 81191.22		
10	od139159/2020_2021 Charges for Geo taggin	a and unde	ertaking			L			
		500					500.000		
			Ville Book	a 2018	To	tal Quantity	500.000 No	າ	
	Kerala Water Authority Total Deducted Quantity								
		Pi	R			tal Quantity	500.000 No		
				Say 500.0	OU NO W KS	5 20.00 / INO	NS 100	00.00	
SI No	Description	No	L	В	l D	CF	Quantity	Remark	
SI No	Description 5App B - Part II - Stre	No et main ex	tension for			_	Quantity x:48.71 %)	Remark	
SI No	Description 5App B - Part II - Stre 18.12.6 Providing and fixing G work50 mm dia nomina	et main ex		house con	nection	(Cost Index	x:48.71 %)		
	5App B - Part II - Stre 18.12.6 Providing and fixing G	et main ex		house con	nection	(Cost Index	x:48.71 %)		
	5App B - Part II - Stre 18.12.6 Providing and fixing G	et main ex I. pipes co al bore	mplete with	house con	nection including tr	(Cost Index	x:48.71 %)	c. Externa	
	5App B - Part II - Stre 18.12.6 Providing and fixing G	et main ex I. pipes co al bore	mplete with	house con	nection including tr	(Cost Index renching an tal Quantity	x:48.71 %) d refilling et	c. Externa	
	5App B - Part II - Stre 18.12.6 Providing and fixing G	et main ex I. pipes co al bore	mplete with	house con	including tr	(Cost Index renching an tal Quantity	x:48.71 %) d refilling et 1740.000	c. Externa	
	5App B - Part II - Stre 18.12.6 Providing and fixing G	et main ex I. pipes co al bore	1740.000	house con	nection including tr To otal Deduct	(Cost Indexidence	x:48.71 %) d refilling et 1740.000 1740.000 r 0.000 metre	c. Externa	
	5App B - Part II - Stre 18.12.6 Providing and fixing G	et main ex	1740.000 Say 17	house conditions G.I fittings	To Total Deduct Net To	(Cost Index enching an tal Quantity ed Quantity tal Quantity 9.63 / metre	x:48.71 %) d refilling et 1740.000 1740.000 r 0.000 metre 1740.000 m	netre netre 756.20	

					То	tal Quantity	3.000 No		
				Т		ed Quantity			
					Net To	tal Quantity	/ 3.000 No		
				Say 3.000	No @ Rs 1	115.18 / No	Rs 33	345.54	
3	18.12.7 Providing and fixing (work65 mm dia nomi		mplete with	G.I fittings	including tr	enching an	d refilling e	tc. Externa	
		1	2750.000				2750.000		
					То	tal Quantity	2750.000 i	metre	
				Т	otal Deduct	ed Quantity	0.000 metr	е	
			Ca	R.	Net To	tal Quantity	2750.000 n	netre	
			Say 27	'50.000 met	re @ Rs 67′	1.72 / metre	Rs 184	7230.00	
4	18.17.5 Providing and fixing one nominal bore	gun metal ga	ate valve wi	th C.I. whee	el of approv	ved quality	(screwed e	nd) :65 mn	
		5	LA		3 10	L	5.000		
		4			То	tal Quantity	5.000 No		
	Total Deducted Quantity							0.000 No	
	Kerala Water Authori Net Total Quantity								
5	Say 5.000 No @ Rs 1913.60 / No 18.12.8 Providing and fixing G.I. pipes complete with G.I fittings including trenching an work80 mm dia nominal bore							568.00 tc. Externa	
		1	1100.000				1100.000		
					То	tal Quantity	y 1100.000 metre		
				Т	otal Deduct	ed Quantity	0.000 metr	е	
	Net Total Quantity							netre	
	Say 1100.000 metre @ Rs 857.09 / metre						Rs 942	2799.00	
6	18.17.6 Providing and fixing one	gun metal ga	ate valve wi	th C.I. whee	el of approv	ved quality	(screwed e	nd) :80 mr	
		1					1.000		
					То	tal Quantity	1.000 No		
				Т	otal Deduct	ed Quantity	0.000 No		
					Net To	tal Quantity	1.000 No		

				Say 1.000	No @ Rs 2	2854.49 / No	Rs 28	354.49
SI No	Description	No	L	В	D	CF	Quantity	Remark
	6App B - Part III - Ap	plication	fee and sup	ervision ch	narges	(Cost Index:	48.71 %)	
1	od139162/2020_2021 Charges for application m	fee, conn	ection fee,me	eter testing	fee etc for	connections	having leng	th below
		500					500.000	
					T	otal Quantity	500.000 N	0
				7	Fotal Deduc	ted Quantity	0.000 No	
					Net To	otal Quantity	500.000 No)
			0	Say 500.00	00 No @ Rs	513.33 / No	Rs 256	665.00
SI No	Description	No	L/199	В	D	CF	Quantity	Remark
	7App B - Part	l IV - Roa	d restoration	charges	(Cost In	dex:48.71 %	5)	
1	od106421/2020_2021 Road restoration charge	s for Bern	n cutting as p	er G.O.(Ms)No.59/202	0/PWD dtd 3	0/7/2020	I
	For house connection	60 Ker	1.000 ala Wat	1.000 er Auth	ority	1.34	80.400	Restora n= 1.50 times cutting area divided 1.2 for g
	For laying street mains	1	100.000	0.500		1.34	67.000	Restorar n= 1.50 times cutting area divided 1
					Te	otal Quantity	147.400 s	qm
				7	Fotal Deduc	ted Quantity	0.000 sqm	
					Net To	otal Quantity	147.400 sc	ım
			Sa	y 147.400 s	sam @ Rs 3	321.29 / sqm	Rs 47	358.15
2	od133973/2020_2021 Road restoration charg No.CE/R&B/ GL-RC/2/		•		ded chippi	ng carpet si	urface as p	er G.O(I

	Side pit	50	0.600	0.600		1.34	24.120	Restoratio n= 1.50 times cutting area divided by 1.2 for gst	
	Crossing	10	6.000	0.300		1.34	24.120	Restoratio n= 1.50 times cutting area divided by 1.2 for gst	
					То	tal Quantity	48.240 sqm		
		1		9 VI	Total Deduct	ed Quantity	0.000 sqm		
		16	FAM.		793		48.240 sqm		
		1/5	Sa	y 48.240 sq	m @ Rs 30	90.57 / sqm	Rs 149	0089.10	
3	od106443/2020_2021 Road restoration charg	es for concr	rete road sur	face as per	G.O.(Ms) N	o.59/2020/P	WD dated 3	30/7/2020	
	For house connection	Kera Dio	ala Wat	er Auth	ority E	1.34	4.824	Restoratio n= 1.50 times cutting area divided by 1.2 for gst	
					То	tal Quantity	4.824 sqm		
	Total Deducted Quantity							•	
	Net Total Quantity						4.824 sqm		
			S	Say 4.824 so	m @ Rs 48	87.00 / sqm	Rs 23574.89		
	Total							681.92	
						Centage @	0.	0%	
		0	.00						
			Pro	ovision for G	SST paymen	ts (in %) @	12	.0%	
			Α	mount rese	rved for GS	Γ payments	23968	341.83	
					Total	& Centage	22370	523.76	
	Lumpsum for round off							76.24	

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

