## **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

(Dsor year: 2018)

SI No	Description	No	L	В	D	CF	Quantity	Remark
	1Supply and Layi	ng distribut	tion lines -we	orking cha	rges (C	ost Index:4	1.53 %)	
1	100.1.1 Excavating trenches dressing of sides, ram then returning the soil deposited layer by ran lead of 50 m: All kinds of soil (Ref. Item No. 2.10.1 c	nming of bot as required nming, wate	toms, depth of	up to 1.5 m ot exceedin	, including g 20 cm in	getting out t depth, inclu	the excavate ding consoli	ed soil, an datingead
	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	Ker	1830.000t	er <sub>0.600</sub> th	011100	0.8	966.241	
					То	tal Quantity	2096.163 c	um
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	2096.163 cı	um
			Say	2096.163 c	um @ Rs 5	79.85 / cum	Rs 121	5460.12
2	100.1.5 Excavating trenches dressing of sides, ram then returning the soil deposited layer by ran lead of 50 m:" Ordinary Rock. (Ref. Item No. 2.13.1 c	nming of bot as required nming, wate	toms, depth of	up to 1.5 m at exceedin	, including g 20 cm in	getting out t depth, inclu	the excavate ding consoli	ed soil, ai datingea
	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	
			'		To	tal Quantity	393.033 cu	
					10	tai Quantity	393.033 60	m

							393.033 cu	• • • • • • • • • • • • • • • • • • • •		
			Say	y 393.033 c	um @ Rs 8	42.10 / cum	Rs 330	973.09		
3	100.2.3 "Excavating trenches dressing of sides, ram then returning the soil deposited layer by ram lead of 50 m: Medium Rock (Requiring New Data derived from	ming of boas require naming, wat	ottoms, depth of d, in layers no ering, etc. and	up to 1.5 m ot exceedin	n, including g 20 cm in	getting out t depth, inclu	the excavate	ed soil, a datingea		
	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			
			5 P 1		To	tal Quantity	131.013 cu	ım		
				S. 7/1	otal Deduct	ed Quantity	0.000 cum			
		1 k	LANGE	TAVA	Net To	tal Quantity	131.013 cu	m		
	Net Total Quantity 131.013 cum  Say 131.013 cum @ Rs 1043.15 / cum									
4	100.8.1 Fencing one side of t casuarina pole (girth	15cm_to 2	1.50 m height 4cm) fixed at	with two r	ows of 10 vals.	5	I			
4	Fencing one side of t	15cm_to 2	1.50 m height 4cm) fixed at	with two r	ows of 10 vals.	5	I			
4	Fencing one side of t casuarina pole (girth	15cm_to 2	1.50 m height 4cm) fixed at DB Item No.	with two r	ows of 10 ovals.	5	2 taution tape	in verti		
4	Fencing one side of t casuarina pole (girth	15cm_to 2	1.50 m height 4cm) fixed at DB Item No.	with two r 2 m interv 1009) Uth	ows of 10 ovals.	cm plastic o	1400.000 r	in verti		
4	Fencing one side of t casuarina pole (girth	15cm_to 2	1.50 m height 4cm) fixed at DB Item No.	with two r 2 m interv 1009) Uth	ows of 10 ovals. To	cm plastic o	1400.000 1400.000 r 0.000 metro	e in verti		
4	Fencing one side of t casuarina pole (girth	15cm_to 2	1.50 m height 4cm) fixed at DB Item No.	with two r 2 m interv 1009) Uth	ows of 10 ovals. To otal Deduct	cm plastic of the control of the con	1400.000 1400.000 r 0.000 metro	e in verti		
5	Fencing one side of t casuarina pole (girth	g S&S Ce es and sp n Class K-	Say 14  ntrifugally Ca ecials:	with two r 2 m interval 1009) UTA	ows of 10 ovals. To otal Deduct Net To	cm plastic of tal Quantity ed Quantity stal Quantity 3.82 / metre	1400.000 r 0.000 metro 1400.000 n Rs 40	metre e metre 348.00		
	Fencing one side of the casuarina pole (girthe (Data Prepared based)  100.14.2 Conveying and laying excluding cost of pipe 150 mm dia Ductile Iro	g S&S Ce es and sp n Class K-	Say 14  ntrifugally Ca ecials:	with two r 2 m interval 1009) UTA	ows of 10 ovals. To otal Deduct Net To	cm plastic of tal Quantity ed Quantity stal Quantity 3.82 / metre	1400.000 r 0.000 metro 1400.000 n Rs 40	metre e metre 348.00		
	Fencing one side of the casuarina pole (girth (Data Prepared based)  100.14.2 Conveying and laying excluding cost of pip 150 mm dia Ductile Iro Data derived from 18.7	g S&S Ce es and sp n Class K- '2.16 in DA	Say 14  ntrifugally Calecials: 9 Pipes R	with two r 2 m interval 1009) UTA	ows of 10 ovals. To otal Deduct Net To	cm plastic of tal Quantity ed Quantity stal Quantity 3.82 / metre	1400.000 1400.000 r 0.000 metro 1400.000 n Rs 400	metre e metre 348.00		
	Fencing one side of to casuarina pole (girth (Data Prepared based)  100.14.2  Conveying and laying excluding cost of pip 150 mm dia Ductile Iro Data derived from 18.7  Distribution lines	g S&S Ce es and sp n Class K- 2.16 in DA	Say 14  ntrifugally Caecials: 9 Pipes R	with two r 2 m interval 1009) UTA	ows of 10 ovals.  To otal Deduct Net To otal Price (2) Rs 26	cm plastic of tal Quantity ed Quantity stal Quantity 3.82 / metre	1400.000 1400.000 r 0.000 metro 1400.000 m Rs 400 onforming t	metre enetre 348.00		
	Fencing one side of to casuarina pole (girth (Data Prepared based)  100.14.2  Conveying and laying excluding cost of pip 150 mm dia Ductile Iro Data derived from 18.7  Distribution lines	g S&S Ce es and sp n Class K- 2.16 in DA	Say 14  ntrifugally Caecials: 9 Pipes R	with two r 2 m interval 1009) Uth	ows of 10 ovals.  To otal Deduct Net To otal Prize (2) Rs 26	tal Quantity ed Quantity tal Quantity stal Quantity 3.82 / metre	1400.000 r 0.000 metro 1400.000 m Rs 400 0nforming t 1490.000 30.000 1520.000 r	metre 348.00 o IS: 83		
	Fencing one side of to casuarina pole (girth (Data Prepared based)  100.14.2  Conveying and laying excluding cost of pip 150 mm dia Ductile Iro Data derived from 18.7  Distribution lines	g S&S Ce es and sp n Class K- 2.16 in DA	Say 14  ntrifugally Caecials: 9 Pipes R	with two r 2 m interval 1009) Uth	ows of 10 ovals.  To otal Deduct  Net To otal Deduct  Outlie Ir	tal Quantity ed Quantity tal Quantity 3.82 / metre on Pipes co	1400.000 r 0.000 metro 1400.000 m Rs 400 0.000 ming t 0.000 ming t 0.000 metro 0.000 metro	metre 348.00 o IS: 83		

6	100.14.3 Conveying and laying excluding cost of pipe 200 mm dia Ductile Iron Data derived from 18.72	s and sp Class K-9	ecials : 9 Pipes	Spun) / [	Ouctile Iro	on Pipes c	onforming t	o IS: 8
	Casing pipe	1	30.000				30.000	
					То	tal Quantity	30.000 me	tre
				Tota	al Deduct	ed Quantity	0.000 metre	Э
						tal Quantity 7.45 / metre	30.000 met	re 323.50
7	100.14.4 Conveying and laying excluding cost of pipe 250 mm dia Ductile Iron Data derived from 18.72	s and sp Class K-9	ecials : 9 Pipes	Spun) / [	Ductile Iro	on Pipes c	onforming t	o IS: 8
	Casing pipe	1	30.000	121	41		30.000	
		15	DESC		То	tal Quantity	30.000 me	tre
	-			Tota	al Deduct	ed Quantity	0.000 metre	Э
			Me Suem of	227	Net To	tal Quantity	30.000 met	re
		Keı	ala <b>V</b> Say 30.00	00 metre	@ Rs 170	).19 / metre	Rs 51	05.70
8	18.68.1 Providing and laying D. mm dia	l specials	of class K - 12 su	itable for	push - or	n jointing as	per IS : 952	23 :Upt
	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	
					То	tal Quantity	5.411 quin	tal
				Tota	al Deduct	ed Quantity	0.000 quint	al
					Net To	tal Quantity	5.411 quint	al

	18.69.1 Providing and laying 600 mm dia	D.I Specials	of Class K -	12 suitable	for mechan	ical jointing	as per IS :	9523 :Up
	150 mm MJ collar	4					4.000	
					То	tal Quantity	4.000 quin	tal
				٦	Γotal Deduct	ed Quantity	0.000 quint	al
					Net To	tal Quantity	4.000 quint	al
			Say 4.0	000 quintal	@ Rs 22071	.60 / quintal	Rs 88	286.40
10	18.70.2 Providing push - on-jo joints and including the			•	•	uctile Iron Pi	ipes includir	ng testing
		1	274.000	1/63			274.000	
			5.1		То	tal Quantity	274.000 jo	int
			JY 3	K X	Fotal Deduct	ed Quantity	0.000 joint	
		12	1 1/200	BWA	Net To	tal Quantity	274.000 joi	nt
		155	Sa	ay 274.000 j	joint @ Rs 1	84.13 / joint	Rs 50	451.62
	Providing flanged join	its to double	flanged C.I.	D.I pipes a	and specials	, including to	esting of joi	nts:150 r
	Providing flanged join diameter pipe	its to double	Bai	a and	ority		8.000	
			Bai	er Auth	ority	tal Quantity	8.000 8.000 Nos	
			Bai	er Auth	To Total Deduct	tal Quantity	8.000 8.000 Nos 0.000 Nos	
			Bai	er Auth	To Total Deduct Net To	tal Quantity ed Quantity tal Quantity	8.000 8.000 Nos 0.000 Nos 8.000 Nos	
12		Kei	cala <sub>8.000</sub> at	er Auth	To Total Deduct Net To Nos @ Rs 4	tal Quantity ed Quantity tal Quantity	8.000 8.000 Nos 0.000 Nos 8.000 Nos	
12	diameter pipe	Kei	cala <sub>8.000</sub> at	er Auth	To Total Deduct Net To Nos @ Rs 4	tal Quantity ed Quantity tal Quantity	8.000 8.000 Nos 0.000 Nos 8.000 Nos	
12	diameter pipe	pipe with st	reel saw.150	er Auth	To Total Deduct Net To Nos @ Rs 4	tal Quantity ed Quantity tal Quantity	8.000 8.000 Nos 0.000 Nos 8.000 Nos Rs 32	218.40
12	diameter pipe	pipe with st	reel saw.150	Say 8.000	To Total Deduct Net To Nos @ Rs 4	tal Quantity ed Quantity tal Quantity 02.30 / Nos	8.000 8.000 Nos 0.000 Nos 8.000 Nos Rs 32 20.000	218.40 ch Cut
12	diameter pipe	pipe with st	reel saw.150	Say 8.000	To Total Deduct Net To Nos @ Rs 4 er C.I. pipe To Total Deduct	tal Quantity ed Quantity tal Quantity 02.30 / Nos	8.000 8.000 Nos 0.000 Nos 8.000 Nos Rs 32 20.000 20.000 Each	218.40 ch Cut
12	diameter pipe	pipe with st	reel saw.150 20.000	Say 8.000	To Total Deduct Net To Nos @ Rs 4 er C.I. pipe To Total Deduct	tal Quantity ed Quantity tal Quantity 02.30 / Nos tal Quantity ed Quantity	8.000 8.000 Nos 0.000 Nos 8.000 Nos Rs 32 20.000 20.000 Each 20.000 Each	218.40 ch Cut
12	diameter pipe	pipe with st	say 20.000  Say 20.000  n potable wat	Say 8.000 mm diamete	To Total Deduct Net To Nos @ Rs 4 er C.I. pipe  To Total Deduct Net To @ Rs 337.12 quired test pi	tal Quantity ed Quantity tal Quantity 02.30 / Nos  tal Quantity ed Quantity tal Quantity	8.000 8.000 Nos 0.000 Nos 8.000 Nos Rs 32 20.000 20.000 Each 20.000 Each	ch Cut

					Т	otal Quantity	1490.000	metre
				7	Γotal Dedu	cted Quantity	0.000 metr	e
					Net T	otal Quantity	1490.000 r	netre
			Say 1	490.000 me	etre @ Rs	32.88 / metre	Rs 48	991.20
14	100.9.11 Laying UPVC pipes position aligning the cement and testing specials).160 mm	ne pipe line to to to to the pipe line to to the pipe line to the pipe lin	the lines and with water to dia pipes.	d levels an	d jointing	the pipes an	d specials value of the state o	with solve
		1	650.000				650.000	
			190	Pa		otal Quantity		
			1/48		Total Dedu	cted Quantity	0.000 metr	е
					Net T	otal Quantity	650.000 m	etre
		( )	Say 6	50.000 met	re @ Rs 2	11.66 / metre	Rs 13	7579.00
	ĺ							
	110 mm nominal ou	uter dia pipes.	1830.000	er Auth	ority	otal Quantity	1830.000 1830.000	
	110 mm nominal ou	uter dia pipes.	1830.000	er Auth		otal Quantity	1830.000	metre
	110 mm nominal ou	uter dia pipes.	1a Wat 1830.000	er Auth	Total Dedu		1830.000 0.000 metr	metre e
	110 mm nominal ou	uter dia pipes.	R		Fotal Dedu	cted Quantity	1830.000 0.000 metr 1830.000 r	metre e
16	4.1.3 Providing and layin shuttering - All wor nominal size)	ng in position ce	Say 18	30.000 met	Net T re @ Rs 1:	cted Quantity otal Quantity 33.89 / metre excluding th	1830.000 0.000 metr 1830.000 r Rs 24	metre e metre 5018.70 entering a
16	4.1.3 Providing and layin shuttering - All wor	ng in position ce	Say 18	30.000 met	Net T re @ Rs 1:	cted Quantity otal Quantity 33.89 / metre excluding th	1830.000 0.000 metr 1830.000 r Rs 24	metre e metre 5018.70 entering a
16	4.1.3 Providing and layin shuttering - All wor nominal size)	ng in position ce	Say 18 ement concre evel:1:2:4 (ce	ete of spec ement : 2 co	Net Tare @ Rs 13 ified grade parse sand	cted Quantity otal Quantity 33.89 / metre excluding th	1830.000 0.000 metr 1830.000 r Rs 245 e cost of cestone aggre 4.320	metre ee metre 5018.70 entering a gate 20 n
16	4.1.3 Providing and layin shuttering - All wor nominal size)	ng in position ce	Say 18 ement concre evel:1:2:4 (ce	ete of spec ement : 2 co	Net Total Deduction Net Total Research	oted Quantity otal Quantity 33.89 / metre excluding th	1830.000 0.000 metr 1830.000 r Rs 245 e cost of cestone aggre 4.320 4.320 cum	metre ee metre 5018.70 entering a gate 20 n
16	4.1.3 Providing and layin shuttering - All wor nominal size)	ng in position ce	Say 18 ement concre evel:1:2:4 (ce	ete of spec ement : 2 co	Net Total Deduction Net Total Deduction	cted Quantity  otal Quantity  33.89 / metre  excluding the content of the content	1830.000 0.000 metr 1830.000 r Rs 245 e cost of cestone aggre 4.320 4.320 cum 0.000 cum	metre 5018.70 entering a gate 20 m
16	4.1.3 Providing and layin shuttering - All wor nominal size)	ng in position ce	Say 18 ement concre evel:1:2:4 (ce	ete of spec ement : 2 co	Net Total Deduction Net To	cted Quantity  otal Quantity  33.89 / metre  excluding the control of the control	1830.000 0.000 metr 1830.000 r Rs 245 e cost of centrone aggre 4.320 4.320 cum 0.000 cum 4.320 cum	metre ee metre 5018.70 entering a gate 20 n

	for anchor block	12	4*.6	0.600			17.280		
					То	tal Quantity	17.280 sqn	n	
				Т	otal Deduct	ed Quantity	0.000 sqm		
					Net To	tal Quantity	17.280 sqm	1	
			S	ay 17.280 s	qm @ Rs 3	50.00 / sqm	Rs 60	48.00	
18	100.32.1 Conveying and fixing excluding the cost of a 25 mm Single acting A Observed Data derive	air valve(the Air Valve	tail pieces if	required wil		-	s,rubber ins	ertions	
		3	100				3.000		
			/like	166	То	tal Quantity	3.000 Nos		
			C. 0 1		otal Deduct	ed Quantity	0.000 Nos		
		1	JY 3	K W	Net To	tal Quantity	3.000 Nos		
			Net Total Quantity 3.000 Nos  Say 3.000 Nos @ Rs 146.63 / Nos						
19	100.31.1.4 Conveying and fixing etc. excluding the cos 150 mm diameter. Cla Data derived from iter	t of valve (the ass I"	e tail pieces	ip) by provid	ling complet	e with bolts,	I		
19	Conveying and fixing etc. excluding the cos 150 mm diameter. Cla	t of valve (the ass I"	e tail pieces	ip) by provid	ling complet vill be paid s	e with bolts,	, nuts, rubbe		
19	Conveying and fixing etc. excluding the cos 150 mm diameter. Cla	ot of valve (the cass I" m no.18.31.3.	e tail pieces	p) by providing if required w	ling complet vill be paid s	e with bolts, eparately) : tal Quantity	1.000 1.000 Nos		
19	Conveying and fixing etc. excluding the cos 150 mm diameter. Cla	ot of valve (the cass I" m no.18.31.3.	e tail pieces	p) by providing if required w	ling complet vill be paid s OTITY To otal Deduct	e with bolts, eparately) : tal Quantity	1.000 1.000 Nos 0.000 Nos		
	Conveying and fixing etc. excluding the cos 150 mm diameter. Cla Data derived from iter	at of valve (the ass I" m no.18.31.3.	atail pieces	p) by providing required w	ling complet vill be paid s  To otal Deduct  Net To os @ Rs 12	e with bolts, eparately): tal Quantity ed Quantity tal Quantity	1.000 1.000 Nos 0.000 Nos 1.000 Nos Rs 12	r insert	
19 SI No	Conveying and fixing etc. excluding the cos 150 mm diameter. Cla Data derived from iter	t of valve (the ass I" m no.18.31.3.	e tail pieces	er Auth	ling complet vill be paid s  Ority  To  otal Deduct  Net To  os @ Rs 12	e with bolts, eparately):  tal Quantity ed Quantity tal Quantity 53.32 / Nos	1.000 1.000 Nos 0.000 Nos 1.000 Nos Rs 12 Quantity	r insert	
	Conveying and fixing etc. excluding the cos 150 mm diameter. Cla Data derived from iter	nt of valve (the ass I" m no.18.31.3.  1  No  ing distribut	e tail pieces	er Auth Say 1.000 N B ost of mate	ling complet vill be paid s  OTITY  To  otal Deduct  Net To  os @ Rs 12:  D  rials (Co	e with bolts, eparately): tal Quantity ed Quantity tal Quantity	1.000 1.000 Nos 0.000 Nos 1.000 Nos Rs 12 Quantity	r insert	
SI No	Conveying and fixing etc. excluding the cos 150 mm diameter. Cla Data derived from iter  Description  2Supply and Lay 100.98.116	nt of valve (the ass I" m no.18.31.3.  1  No  ing distribut	e tail pieces	er Auth Say 1.000 N B ost of mate	ling complet vill be paid s  OTITY  To  otal Deduct  Net To  os @ Rs 12:  D  rials (Co	e with bolts, eparately):  tal Quantity ed Quantity tal Quantity 53.32 / Nos	1.000 1.000 Nos 0.000 Nos 1.000 Nos Rs 12 Quantity	r insert	
SI No	Conveying and fixing etc. excluding the cos 150 mm diameter. Cla Data derived from iter  Description  2Supply and Lay 100.98.116	n no.18.31.3.  No  ing distribut	e tail pieces  1 of DAR  L  tion main- c	er Auth Say 1.000 N B ost of mate	ling complet vill be paid s  OTITY  To  otal Deduct  Net To  os @ Rs 12:  D  rials (Co	e with bolts, eparately):  tal Quantity ed Quantity tal Quantity 53.32 / Nos	1.000 1.000 Nos 0.000 Nos 1.000 Nos Rs 12 Quantity	r insert	
SI No	Conveying and fixing etc. excluding the cos 150 mm diameter. Cla Data derived from iter  Description  2Supply and Lay  100.98.116  Supply of DI K9 Pipe	No Conforming t	tail pieces  1 of DAR  L  L  L  Sion main- c  0 IS 8329/20  1490.000	er Auth Say 1.000 N  B  ost of mate	Ing complet vill be paid s  OTITY  To otal Deduct  Net To os @ Rs 12  D  Trials (Completed to the paid series)	e with bolts, eparately):  tal Quantity ed Quantity tal Quantity 53.32 / Nos CF ost Index:4	1.000 1.000 Nos 0.000 Nos 1.000 Nos Rs 12 Quantity 1.53 %)	53.32 Rema	
SI No	Conveying and fixing etc. excluding the cos 150 mm diameter. Cla Data derived from iter  Description  2Supply and Lay  100.98.116  Supply of DI K9 Pipe	No Conforming t	tail pieces  1 of DAR  L  L  L  Sion main- c  0 IS 8329/20  1490.000	er Auth  Say 1.000 N  B  ost of mate	Ing complet vill be paid s  OTITY  To otal Deduct  Net To os @ Rs 12  D  Trials (Complet of the complet of the complete of the	e with bolts, eparately):  tal Quantity ed Quantity tal Quantity 53.32 / Nos CF  ost Index:4	1.000 1.000 Nos 0.000 Nos 1.000 Nos Rs 12 Quantity 1.53 %)	53.32 Rema	
SI No	Conveying and fixing etc. excluding the cos 150 mm diameter. Cla Data derived from iter  Description  2Supply and Lay  100.98.116  Supply of DI K9 Pipe	No Conforming t	tail pieces  1 of DAR  L  L  L  Sion main- c  0 IS 8329/20  1490.000	er Auth  Say 1.000 N  B  ost of mate	ting complet vill be paid s  Ority  To  otal Deduct  Net To  os @ Rs 12  D  rials (Complet of the complet of the complet of the complet of the complete of the	e with bolts, eparately):  tal Quantity ed Quantity tal Quantity 53.32 / Nos CF  ost Index:4  0.02 tal Quantity ed Quantity	1.000 1.000 Nos 0.000 Nos 1.000 Nos Rs 12 Quantity 1.53 %) 1490.000 29.800 1519.800 r	53.32 Rema	

		1	650.000			650.000	
			000.000		Total Quantity		etre
				Total De	educted Quantity		
					et Total Quantity		
			Say 650.00		1689.98 / metre		8487.00
3	od309800/2021_202		-				
	Specials for 160 mm		2.5Kg/cm2			1.000	
		1			Total Quantity		
			Ros S	TatalD	Total Quantity	1.000 L.S	
			J. LOTTER CO	700	educted Quantity		
			A 2 11	SIL	et Total Quantity		
		6	Say	1.000 L.S @ R	s 25517.85 / L.S	Rs 25	517.85
4	100.98.237 Supply of uPVC Pip	e, IS 4985: 20	000 , 10kg/cm2, 1	10mm Dia.	A.V.		
		161	1580.000	397. Z		1580.000	
					Total Quantity	1580.000 ו	metre
		***	Bigg 3	Total De	educted Quantity	0.000 metr	e
		Ke	rala Water	Authorit	et Total Quantity	1580.000 n	netre
		D	Say 1580.0	000 metre @ R	s 488.80 / metre	Rs 772	2304.00
5	od309801/2021_202	22					
	Specials for 110 mm	n PVC pipe-10	0 Kg/cm2				1
		1				1.000	
					Total Quantity	1.000 L.S	
				Total De	educted Quantity	0.000 L.S	
				N	et Total Quantity	1.000 L.S	
			Say	1.000 L.S @ R	s 17940.62 / L.S	Rs 17	940.62
6	100.98.224 Supply of uPVC Pip	e, IS 4985: 20	000 , 8kg/cm2, 11	0mm Dia.			
		1	250.000			250.000	
		l .		I	Total Quantity	250.000 m	etre
				Total De	educted Quantity		
					et Total Quantity		
							•

7	od309802/2021_2 Specials for 110 n		Ka/cm2						
	Operator of the fi	1					1.000		
					To	tal Quantity	1.000 L.S		
				Т	otal Deduct	ed Quantity	0.000 L.S		
					Net To	tal 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 P	ipe Conforming	to IS 8329/2000	, 200mm	Dia.				
	Casing pipe	1	30.000				30.000		
			Car S	7/	To	tal Quantity	30.000 me	tre	
			- J. Will	<b>F.7</b>	otal Deduct	ed Quantity	0.000 metr	е	
			63 BU	1 54	Net To	tal Quantity	30.000 met	tre	
		- ( )	Say 30.0	000 metre	@ Rs 1751	.10 / metre	Rs 52	533.00	
9	100.98.102 Supply of DI K7 P	ipe Conforming	to IS 8329/2000	, 150mm	Dia.	L			
	Casing pipe	1	30.000				30.000		
			Brita	210		tal Quantity			
		Kei	ala Water	· Auth	otal Deduct	ed Quantity	0.000 metr	е	
		<b>D</b>	DI		Net To	tal Quantity	30.000 met	tre	
			Say 30.0	000 metre	e @ Rs 1475	5.50 / metre	Rs 44	265.00	
10	100.98.104 Supply of DI K7 P	ipe Conforming	to IS 8329/2000	, 250mm	Dia.				
	Casing pipe	1	30.000				30.000		
					To	tal Quantity	30.000 me	tre	
				Т	otal Deduct	ed Quantity	0.000 metr	е	
					Net To	tal Quantity	30.000 met	tre	
			Say 30.0	000 metre	@ Rs 2301	.35 / metre	Rs 69	040.50	
11	100.98.440 Supply of CI Air V	alve, Conformin				Small Orifice	e Type S1, S	Size 25r	
			(Distr	ibution Li	ne		2.000		
		3			T	tal Ouantit	3.000 No		
				<del>-</del>		tal Quantity			
				I	otal Deduct	eu Quantity	U.UUU NO		

					Net To	tal Quantity	3.000 No		
				Say 3.00	0 No @ Rs	966.75 / No	Rs 29	00.25	
12	100.98.496 Supply of CI Double Fla PN 1.0, Size 150mm.	anged Sluic	e Valve Con	forming to I	S 14846 - 2	000, Sluice	Valve with H	land Whee	
		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 6	734.30 / No	Rs 67	34.30	
SI No	Description	No	1/0-	В	D	CF	Quantity	Remark	
	3Providing 0	Gravity Ma	ins-Working	g charges	(Cost Inc	dex:41.53 %	<b>)</b>		
	then returning the soil a deposited layer by rami lead of 50 m: All kinds of soil (Ref. Item No. 2.10.1 of 150 mm DI,-upto Stn valve 100 mm DI-Stn Valve to GLSR Treatment site	ming, wate	ring, etc. an	d disposing	of surplus of surplus of 1.100		343.201 580.000	ed, within	
						ed Quantity		4111	
				<u>'</u>		tal Quantity		m	
			93	ny 923 201 a					
2	Say 923.201 cum @ Rs 579.85 / cum  Rs 535318.10  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 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	
					То	tal Quantity	173.101 cu	ım
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	173.101 cu	m
			Sa	y 173.101 c	um @ Rs 8	42.10 / cum	Rs 145	768.35
3	100.2.3 "Excavating trenches dressing of sides, rammethen returning the soil adeposited layer by ramplead of 50 m: Medium Rock (Requiring New Data derived from	ming of both as required ming, wate g Blasting)	toms, depth , in layers no	up to 1.5 m ot exceedin	, including g 20 cm in	getting out t	the excavate ding consol	ed soil, and idatingeach
	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		1450.000	0.500	1.000	0.05	36.250	
		<del>- Ker</del>	ala Wate	er Auth	To	tal Quantity	57.701 cur	n
				I	otal Deduct	ed Quantity	0.000 cum	
		P =	K		Net To	tal Quantity	57.701 cum	า
			Sa	y 57.701 cu	m @ Rs 10	43.15 / cum	Rs 60	190.80
4	100.8.1 Fencing one side of tr casuarina pole (girth 1 (Data Prepared based of the casuarina pole (based of the casuarina pole (base	15cm to 24	cm) fixed at	2 m interv		cm plastic c	caution tape	e in vertical
		1	1200.000			0.8	960.000	
					То	tal Quantity	960.000 m	etre
				Т	otal Deduct	ed Quantity	0.000 metro	е
					Net To	tal Quantity	960.000 me	etre
			Say	960.000 me	etre @ Rs 28	3.82 / metre	Rs 27	667.20
5	4.1.3 Providing and laying in shuttering - All work up nominal size)	•	ement concre	ete of speci	fied grade e	excluding the	e cost of ce	ntering and

					То	tal Quantity	12.960 cur	n
				7	Total Deduct			
					Net To	tal Quantity	12.960 cum	1
			Sa	ıy 12.960 cu	ım @ Rs 834	40.93 / cum	Rs 108	098.45
6	4.3.1 Centering and shutt footings, bases for o	columns		propping et	c. and remo	oval of form		oundations
	for anchor block	10	4*.6	0.600			14.400	
						tal Quantity		n
				7	Total Deduct		-	
			160	123	Net To	tal Quantity	14.400 sqm	1
			S	Say 14.400 s	sqm @ Rs 3	50.00 / sqm	Rs 50	40.00
	150 mm dia Ductile I Data derived from 18	3.72.16 in DAF	2			L		
	CWGM	1	650.000				650.000	
		Von	ala Wat	an Antle	To	tal Quantity	650.000 m	etre
		Ker	ara wat	er Auth	otal Deduct	ed Quantity	0.000 metre	9
					Net To	tal Quantity	650.000 me	etre
			Say	650.000 me	etre @ Rs 91	.50 / metre	Rs 594	475.00
8	100.14.1							
	Conveying and layi excluding cost of p 100 mm dia Ductile I Data derived from 18	ipes and spe ron Class K-9	ecials : Pipes	ast (Spun)	/ Ductile Iro	on Pipes co	onforming t	
	excluding cost of p	ipes and spe ron Class K-9	ecials : Pipes	ast (Spun)	/ Ductile Iro	on Pipes co	onforming t 1450.000	
	excluding cost of p	ipes and spe ron Class K-9 3.72.15 in DAF	ecials : Pipes R	ast (Spun)		on Pipes co	1450.000	o IS: 8329
	excluding cost of p	ipes and spe ron Class K-9 3.72.15 in DAF	ecials : Pipes R			tal Quantity	1450.000 1450.000 r	o IS: 8329
	excluding cost of p	ipes and spe ron Class K-9 3.72.15 in DAF	ecials : Pipes R		To Fotal Deduct	tal Quantity	1450.000 1450.000 r	o IS: 8329
	excluding cost of p	ipes and spe ron Class K-9 3.72.15 in DAF	Pipes R 1450.000	1	To Fotal Deduct	tal Quantity ed Quantity tal Quantity	1450.000 r 1450.000 r 0.000 metre 1450.000 m	netre
9	excluding cost of p	ipes and speron Class K-9 3.72.15 in DAF	ecials : Pipes R 1450.000	450.000 me	To Fotal Deduct Net To etre @ Rs 61	tal Quantity ed Quantity tal Quantity .42 / metre	1450.000 r 1450.000 r 0.000 metre 1450.000 m	netre

	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	C	esn.		0.1	0.800	
	22.5 degree bend, 100 mm	10	31			0.09	0.900	
	11.25 degree bend, 100 mm	15	XO	DA	41	0.09	1.350	
	Tee 100X100X100	3				0.22	0.660	
	100 mm Tail piece	4	F3.76			0.25	1.000	
			No. of Persons	an BLPZ/	То	tal Quantity	12.471 qui	intal
		Ker	ala Wat	er Auth	otal Deduct	ed Quantity	0.000 quint	tal
	1				Net To	tal Quantity	12.471 quii	ntal
			Say 12.4	471 quintal (	® Rs 21003.	.05 / quintal	Rs 261	1929.04
10	18.69.1 Providing and laying D 600 mm dia	I Specials	of Class K -	· 12 suitable	for mechan	ical jointing	as per IS :	9523 :Upt
	150 mm MJ collar	3					3.000	
	100mm MJ collar	6					6.000	
					То	tal Quantity	9.000 quin	tal
				Т	otal Deduct	ed Quantity	0.000 quint	tal
					Net To	tal Quantity	9.000 quint	tal
			Say 9.0	000 quintal (	® Rs 22071.	.60 / quintal	Rs 198	3644.40
11	18.83.4 Labour for cutting C.I. p	ipe with ste	eel saw.150	mm diamete	r C.I. pipe			
		7					7.000	
			ı	1	To	tal Quantity		h Cut
				Т	otal Deduct			
						· · · · · · · · · · · · · · · · · · ·		

	Net Total Quantity 7.000 Each Cut							Cut
	Say 7.000 Each Cut @ Rs 337.12 / Each Cut Rs 2359.84						359.84	
12	18.83.2			_				
	Labour for cutting C	I. pipe with sto		mm diamete	er C.I. pipe			
		1	18.000				18.000	
					To	tal Quantity	18.000 Ea	ch Cut
	Total Deducted Quantity 0.000 Each Cut							Cut
					Net To	tal Quantity	18.000 Ead	ch Cut
			Say 18.000	Each Cut (	® Rs 179.39	/ Each Cut	Rs 32	229.02
	Providing push - on- joints and including	-		IEANN A	pipes	uctile Iron Pi	265.000	
		B	4 1316	12/1/1	otal Deduct	ed Quantity	0.000 joint	
		102	Wa		Net To	tal Quantity	265.000 joint	
			Sa	ay 265.000 j	oint @ Rs 1	12.59 / joint	Rs 29	836.35
14	18.70.2			is and		-		
14	18.70.2 Providing push - on- joints and including		00100 11000		Pipes or D		120.000	ng testing
14	Providing push - on-	the cost of rub	00100 11000	50 mm dia	Pipes or D pipes	otal Quantity	120.000 120.000 jo	ng testing
14	Providing push - on-	the cost of rub	00100 11000	50 mm dia	Pipes or D pipes		120.000 120.000 jo	ng testing
14	Providing push - on-	the cost of rub	00100 11000	50 mm dia	Pipes or D pipes To	otal Quantity	120.000 120.000 jo 0.000 joint	ng testing
14	Providing push - on-	the cost of rub	ober gasket:1	50 mm dia	Pipes or D pipes  To otal Deduct	otal Quantity ted Quantity otal Quantity	120.000 120.000 jo 0.000 joint 120.000 joi	ng testing
15	Providing push - on-	the cost of rub	ober gasket:1	30 mm dia	Pipes or D pipes  To Total Deduct  Net To oint @ Rs 1	otal Quantity ted Quantity otal Quantity 84.13 / joint	120.000 120.000 joint 0.000 joint 120.000 joi Rs 22	ng testing
	Providing push - on- joints and including  18.30.4 Providing flanged jo	the cost of rub	ober gasket:1	30 mm dia	Pipes or D pipes  To Total Deduct  Net To oint @ Rs 1	otal Quantity ted Quantity otal Quantity 84.13 / joint	120.000 120.000 joint 0.000 joint 120.000 joi Rs 22	ng testing
	Providing push - on- joints and including  18.30.4 Providing flanged jo	120	ober gasket:1	30 mm dia	Pipes or D pipes  To otal Deduct  Net To oint @ Rs 1	otal Quantity ted Quantity otal Quantity 84.13 / joint	120.000 120.000 joint 120.000 joint Rs 22 esting of joint 8.000	ng testing
	Providing push - on- joints and including  18.30.4 Providing flanged jo	120	ober gasket:1	ay 120.000 j	Pipes or D pipes  To otal Deduct  Net To oint @ Rs 1	etal Quantity ted Quantity otal Quantity 84.13 / joint , including to	120.000 120.000 joint 120.000 joint 120.000 joi  Rs 22 esting of joi  8.000 Nos	ng testing
	Providing push - on- joints and including  18.30.4 Providing flanged jo	120	ober gasket:1	ay 120.000 j	Pipes or D pipes  To Total Deduct  Net To oint @ Rs 1  and specials  To Total Deduct	otal Quantity ted Quantity otal Quantity 84.13 / joint , including to	120.000 120.000 joint 120.000 joint 120.000 joint Rs 22 esting of joi  8.000 8.000 Nos 0.000 Nos	ng testing
	Providing push - on- joints and including  18.30.4 Providing flanged jo	120	ober gasket:1	ay 120.000 j	Pipes or D pipes  To Total Deduct Net To and specials  To Total Deduct Net To Total Deduct Net To	otal Quantity ted Quantity tal Quantity 84.13 / joint , including to tal Quantity	120.000 120.000 joint 120.000 joint 120.000 joint Rs 22 esting of joi  8.000 8.000 Nos 0.000 Nos	ng testing int nt 095.60 nts:150 r

			T				ī		
		1	12.000				12.000		
					То	tal Quantity	12.000 No	S	
	Total Deducted Quantity							0.000 Nos	
	Net Total Quantity         12.000 Nos           Say 12.000 Nos @ Rs 325.59 / Nos         Rs 3907.							<b>i</b>	
								07.08	
17	100.31.1.4 Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber in 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							er insertions	
		2		6			2.000		
			JAM	1193	То	tal Quantity	2.000 Nos		
		1	6.2		otal Deduct	ed Quantity	0.000 Nos		
		10	T Z	K N	Net To	tal Quantity	2.000 Nos		
			S	Say 2.000 N	os @ Rs 12	53.32 / Nos	Rs 25	06.64	
	diameter. Class I"  Data derived from item	no.18.31.1.	1 of DAR at		То	tal Quantity			
				Т	otal Deduct				
						tal Quantity			
	Say 3.000 Nos @ Rs 925.39 / Nos						Rs 27	76.17	
19	100.32.1 Conveying and fixing C I Single acting Air Valve of approved quality with bolts,nuts,rubber insertic 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						ertions etc		
		5					5.000		
					То	tal Quantity	5.000 Nos		
				Т	otal Deduct	ed Quantity	0.000 Nos		
					Net To	tal Quantity	5.000 Nos		
				Say 5.000 I	Nos @ Rs 1	46.63 / Nos	Rs 7	33.15	
20	100.35.2								

	Testing 150mm DI/0 150 mm dia Observed Data deri		•		•	essure					
		1	650.000				650.000				
					To	tal Quantity	650.000 m	etre			
		0.000 metre	)								
					Net To	tal Quantity	tity 650.000 metre				
			Say 6	650.000 me	etre @ Rs 32	2.88 / metre	Rs 213	372.00			
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	M.			1450.000				
			743 B	\$ W	To	tal Quantity	1450.000 r	netre			
		Total Deducted Quantity						0.000 metre			
		NA	TDIE		Net To	tal Quantity	1450.000 m	1450.000 metre			
		16/42	Say 14	150.000 me	etre @ Rs 24	.35 / metre	Rs 35307.50				
SI No	Description	No	L	В	D	CF	Quantity	Remar			
	4Prov		/ -Cost of mat		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							etre			
	Total Deducted Quantity							)			
	Net Total Quantity							etre			
	Say 663.000 metre @ Rs 1673.35 / metre							9431.05			
				100.98.115 Supply of DI K9 Pipe Conforming to IS 8329/2000, 100mm Dia.							
2		e Conforming	to IS 8329/200	00, 100mm	Dia.						
2		e Conforming	to IS 8329/200	00, 100mm	Dia.		1450.000				
2				00, 100mm	Dia.	0.02	1450.000				
2	Supply of DI K9 Pipe	1	1450.000	00, 100mm		0.02 tal Quantity		netre			
2	Supply of DI K9 Pipe	1	1450.000			tal Quantity	29.000 1479.000 r				
2	Supply of DI K9 Pipe	1	1450.000		To otal Deduct	tal Quantity	29.000 1479.000 r	9			

	i e							
3	100.98.440 Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 25mm.							
	capply of of 7th valve,	5	10 10 1 10 10	2000, 0111	lgio Omioo,	Ciriaii Ciiiio	5.000	7/20 ZOTTITTI.
					То	tal Quantity		
	Total Deducted Quantity							
	Net Total Quantity							
	Say 5.000 No @ Rs 966.75 / No							33.75
4	100.98.458 Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN Size 100mm.							
		3	· // // /	0			3.000	
			JAM.	199	То	tal Quantity	3.000 No	
		-		W Sit	otal Deduct	ed Quantity	0.000 No	
		6	W. B	35 X	Net To	tal Quantity	y 3.000 No	
		18		Say 3.000	No @ Rs 4	186.85 / No	Rs 12	560.55
5	100.98.460 Supply of CI Double Fla Size 150mm.	anged Sluic	e Valve Con	forming to I	S 14846 - 2	000, Sluice	Valve with (	Cap PN 1.6,
		2	ala Wat	a	a di ta v		2.000	
		Kera	ara wat	er Auti	To	tal Quantity	2.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	2.000 No	
				Say 2.000	No @ Rs 6	770.65 / No	Rs 13	541.30
SI No	Description	No	L	В	D	CF	Quantity	Remark
5Cor	struction of valve cha	mber for Va	alves in Pur	mping and	gravity mai	ns (Cos	t Index:41.	53 %)
1	2.8.1 Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundatio trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides an ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu 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	
					То	tal Quantity	16.641 cur	n
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	16.641 cum	1
	Say 16.641 cum @ Rs 309.95 / cum							57.88

2	4.1.3  Providing and laying in position cement concrete of specified grade excluding the cost of centering as shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand : 4 graded stone aggregate 20 m nominal size)									
	For Valve chamber	5	1.500	1.500	0.100		1.125			
		1.125 cum	)							
	Total Deducted Quantity 0.000 cum									
					Net To	otal Quantity	1.125 cum			
			S	ay 1.125 cu	ım @ Rs 83	340.93 / cum	Rs 9:	383.55		
3	5.1.2 Providing and laying in centering, shuttering, fin sand :3 graded stone ag	ishing and	d reinforceme	ent - All wor			_			
	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	L	3.646			
		Total Quantity 8.146 cum								
			Na Grand	a ana	Fotal Deduc	ted Quantity	0.000 cum			
	Kerala Water Authority Net Total Quantity 8.146 cum									
			9	av 8.146 cu		183.15 / cum		249.74		
4	5.9.2 Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.									
	Valve chamber out side(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			
		54.600 sq	m							
		0.000 sqm								
		54.600 sqr	n							
	Say 54.600 sqm @ Rs 748.62 / sqm									
5	5.22.6					•				
J	5.22.6  Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position a binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more									
J			levelThermo	- Mechani	cally Treate	ed bars of g	rade Fe-50	0D or m		

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

