AS and TS Approved

## **Detailed Estimate**

## JJM - WSS TO KUMARAMANGALAM PANCHAYATH IN IDUKKI DISTRICT - PIPE LINE EXTENSION FOR VARIOUS WARDS IN KUMARAMANGALAM PANCHAYATH

(Dsor year: 2018)

SI No	Description	No	L	В	D	CF	Quantity	Remark
101-Prov	viding Distribution lines	in various	wards of ku	maramang	alam pancl	nayaths	(Cost Inde	k:41.53 %)
1	100.1.1 Excavating trenches dressing of sides, ram then returning the soil deposited layer by ram lead of 50 m: All kinds of soil (Ref. Item No. 2.10.1 o	ming of bot as required nming, wate	toms, depth I, in layers no	up to 1.5 m ot exceedin	, including of	getting out t depth, inclu	the excavate ding consoli	ed soil, and datingeach
	75 mm PVC CL5	1	4714.000	0.500	1.000	0.6	1414.200	
	90 mm PVC CL5	1	1692.000	0.500	1.000	0.6	507.600	
		Ker	ala Wate	er Auth	ority to	tal Quantity	1921.800 c	um
			$D^{T}$	T	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	1921.800 c	um
			Say	1921.800 c	um @ Rs 5	79.85 / cum	Rs 1114	1355.73
2	100.1.5 Excavating trenches dressing of sides, ram then returning the soil deposited layer by ram lead of 50 m:"	ming of bot as required	toms, depth	up to 1.5 m ot exceedin	i, including ( g 20 cm in (	getting out t depth, inclu	the excavate ding consoli	ed soil, and datingeach
	Ordinary Rock. (Ref. Item No. 2.13.1 o	f DSR)						
	- I	f DSR)	4714.000	0.500	1.000	0.3	707.100	
	(Ref. Item No. 2.13.1 o		4714.000 1692.000	0.500 0.500	1.000	0.3	707.100 253.800	
	(Ref. Item No. 2.13.1 o	1			1.000		253.800	ım
	(Ref. Item No. 2.13.1 o	1		0.500	1.000	0.3 tal Quantity	253.800 960.900 cu	ım
	(Ref. Item No. 2.13.1 o	1		0.500	1.000 To otal Deduct	0.3 tal Quantity ed Quantity	253.800 960.900 cu	

3	100.2.7 "Excavating trenches dressing of sides, ram then returning the soil deposited layer by rar lead of 50 m: Medium Rock (blasting New Data derived from	nming of bott I as required mming, wate g prohibited)	toms, depth , in layers no	up to 1.5 m ot exceedin	n, including on the larger in	getting out t depth, inclu	the excavated	ed soil, and idatingeach			
	75 mm PVC CL5	1	4714.000	0.500	1.000	0.1	235.701				
	90 mm PVC CL5	1	1692.000	0.500	1.000	0.1	84.601				
					То	tal Quantity	320.302 cı	ım			
			-		Total Deduct	ed Quantity	0.000 cum				
				1/40	Net To	tal Quantity	320.302 cu	m			
			Say	320.302 cu	ım @ Rs 14	00.37 / cum	Rs 448	3541.31			
	the charges for hire a watching, ribbon fend officers etc. complete means and carrying of Crossing  Shoulder	cing, caution , before carr	boards, tra	ffice divers demolition er Auth	ority To	per the directors / concrete tal Quantity	40.000 1940.000	epartmental mechanical metre			
			Cov. 4	040,000							
5	Say 1940.000 metre @ Rs 31.77 / metre Rs 61633.80  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.										
	Crossing	4*2	5.000	0.500	0.200		4.000				
	Shoulder	1	1900.000	0.500	0.200		190.000				
					То	tal Quantity	194.000 cı	ım			
				Т	Total Deduct	ed Quantity	0.000 cum				
					Net To	tal Quantity	194.000 cu	m			
			Sa	y 194.000 c	cum @ Rs 3	94.66 / cum	Rs 76	564.04			
6	100.8.1 Fencing one side of	trenches, 1.	50 m height	t with two r	ows of 10 c	cm plastic o	caution tape	e in vertical			

	(Data Prepared based	1	600.000	· · ·			600.000	
		1	1		To	tal Quantity	600.000 m	netre
				T	otal Deduct	ted Quantity	0.000 metr	е
					Net To	tal Quantity	600.000 m	etre
			Say	600.000 me	etre @ Rs 2	8.82 / metre	Rs 17	292.00
7	50.2.25.1 Filling with contractor not exceeding 20 cm 50 m and lift up to 1.	in depth, co	onsolidating e	ach deposi	ted layer by			
	75mm/90mm PVC	1	150.000	0.500	1.000	0.05	3.750	
			K-2 V		To	tal Quantity	3.750 cum	1
				S. 7/1	otal Deduct	ed Quantity	0.000 cum	
		16	4		Net To	tal Quantity	3.750 cum	
8	100.12.7 Conveying and fixing excluding cost of pipe 65 mm dia nominal bed Data derived from item.	pes and fitti ore Ke1	complete wings - Externated	ith G.I. fitti al work.	ngs includi	48.85 / cum		058.19 ing etc.
8	Conveying and fixing excluding cost of pipers.	pes and fitti ore Ke1	complete wings - Externated	ith G.I. fitti al work.	ngs includi	5		
8	Conveying and fixing excluding cost of pipe 65 mm dia nominal bed Data derived from item	pes and fitti ore Kei m no.18.12.7	complete wings - Externated Water of DAR	ith G.I. fitti al work.	ngs includi	5	g and refill 3955.000	ing etc.
8	Conveying and fixing excluding cost of pipe 65 mm dia nominal bed Data derived from item	pes and fitti ore Kei m no.18.12.7	complete wings - Externated Water of DAR	ith G.I. fitti al work. er Auth	ngs includi	ng trenchin	g and refill 3955.000 3955.000	ing etc.
8	Conveying and fixing excluding cost of pipe 65 mm dia nominal bed Data derived from item	pes and fitti ore Kei m no.18.12.7	complete wings - Externated Water of DAR	ith G.I. fitti al work. er Auth	ngs includi	ng trenchin	3955.000 3955.000 0.000 metr	metre
8	Conveying and fixing excluding cost of pipe 65 mm dia nominal bed Data derived from item	pes and fitti ore Kei m no.18.12.7	s complete wings - Externa Cala Water of DAR 3955.000	ith G.I. fitti al work. er Auth	ngs includi	ng trenchin	3955.000 3955.000 0.000 metr 3955.000 r	metre
9	Conveying and fixing excluding cost of pipe 65 mm dia nominal bed Data derived from item	g G.I. pipes pes and fitti	s complete wings - Externated Water of DAR 3955.000  Say 3955.000	ith G.I. fitti al work. er Auth	ngs includi nority To Total Deduct Net To	otal Quantity otal Quantity otal Quantity otal Quantity	3955.000 3955.000 0.000 metr 3955.000 r Rs 859	metre e metre 9777.45
	Conveying and fixing excluding cost of pip 65 mm dia nominal be Data derived from iter Data for 10 m  100.12.8  Conveying and fixing excluding cost of pip 80 mm dia nominal be Data derived from iter	g G.I. pipes pes and fitti	s complete wings - Externated Water of DAR 3955.000  Say 3955.000	ith G.I. fitti al work. er Auth	ngs includi nority To Total Deduct Net To	otal Quantity otal Quantity otal Quantity otal Quantity	3955.000 3955.000 0.000 metr 3955.000 r Rs 859	metre e metre 9777.45
	Conveying and fixing excluding cost of pip 65 mm dia nominal be Data derived from iter Data for 10 m  100.12.8  Conveying and fixing excluding cost of pip 80 mm dia nominal be Data derived from iter	g G.I. pipes pes and fittione  g m no.18.12.7	Say 395 Say 395 Complete wings - External	ith G.I. fitti al work. er Auth	ngs includi	otal Quantity otal Quantity otal Quantity otal Quantity	g and refill 3955.000 3955.000 0.000 metr 3955.000 r Rs 859 g and refill	metre e metre 9777.45 ing etc.
	Conveying and fixing excluding cost of pip 65 mm dia nominal be Data derived from iter Data for 10 m  100.12.8  Conveying and fixing excluding cost of pip 80 mm dia nominal be Data derived from iter	g G.I. pipes pes and fittione  g m no.18.12.7	Say 395 Say 395 Complete wings - External	ith G.I. fitti al work. er Auth 55.000 met ith G.I. fitti al work.	ngs includi nority  To  Total Deduct  Net To  re @ Rs 21  ngs includi	otal Quantity otal Quantity otal Quantity otal Quantity 7.39 / metre	g and refill 3955.000 3955.000 0.000 metr 3955.000 r Rs 859 g and refill 210.000	metre e metre 9777.45 ing etc.

			Say 2	10.000 met	re @ Rs 21	7.74 / metre	Rs 45	725.40
10	100.9.7 Laying UPVC pipes of position aligning the cement and testing the specials.	pipe line to the pipe line v	the lines and	d levels and	d jointing th	ne pipes and	d specials v	vith solven
		1	4714.000				4714.000	
					To	tal Quantity	4714.000 r	metre
				Т	otal Deduct	ted Quantity	0.000 metre	е
					Net To	tal Quantity	4714.000 n	netre
			Say 4	714.000 me	etre @ Rs 9	0.86 / metre	Rs 428	314.04
	position aligning the cement and testing t specials).  90 mm nominal outer	he pipe line v			, ,		•	
		1	1692.000				1692.000	
			No.	a sua		tal Quantity		
		Kera	ala Wate	er Auth	otal Deduct	ed Quantity	0.000 metre	е
					Net To	otal Quantity	1692.000 n	netre
			Say 1	692.000 me	etre @ Rs 9	0.86 / metre	Rs 153	3735.12
12	18.13.2  Making connection of including cutting and		ion branch w	vith G.I maii	n of followir	ng sizes by p		
12	Making connection of		ion branch w	vith G.I maii	n of followir	ng sizes by p		
12	Making connection of	threading the	ion branch w	vith G.I maii pmplete:50 t	n of followir to 80 mm n	ng sizes by pominal bore btal Quantity	12.000 No	d fixing te
12	Making connection of	threading the	ion branch w	vith G.I maii pmplete:50 t	n of followir to 80 mm n To Total Deduct	ng sizes by pominal bore botal Quantity and Quantity	12.000 12.000 No 0.000 No	d fixing te
12	Making connection of	threading the	ion branch we pipe etc. co	vith G.I main omplete:50 t	n of followir to 80 mm n To Total Deduct	ng sizes by pominal bore btal Quantity stal Quantity btal Quantity	12.000 12.000 No 0.000 No 12.000 No	d fixing te
	Making connection of including cutting and	threading the	ion branch we pipe etc. co	vith G.I main omplete:50 t	n of followir to 80 mm n To Total Deduct	ng sizes by pominal bore botal Quantity and Quantity	12.000 12.000 No 0.000 No 12.000 No	d fixing te
12	Making connection of	threading the	ion branch we pipe etc. co	vith G.I main omplete:50 t T Say 12.000	n of following to 80 mm no To Total Deduction Net To No @ Rs 1	ng sizes by pominal bore otal Quantity otal Quantity otal Quantity 760.35 / No	12.000 12.000 No 0.000 No 12.000 No Rs 21	d fixing te
	Making connection of including cutting and  18.17.5 Providing and fixing	threading the	ion branch we pipe etc. co	vith G.I main omplete:50 t T Say 12.000	n of following to 80 mm no To Total Deduction Net To No @ Rs 1	ng sizes by pominal bore otal Quantity otal Quantity otal Quantity 760.35 / No	12.000 12.000 No 0.000 No 12.000 No Rs 21	d fixing te
	Making connection of including cutting and  18.17.5 Providing and fixing	threading the	ion branch we pipe etc. co	vith G.I main omplete:50 t T Say 12.000	To a not following to 80 mm not following to	ng sizes by pominal bore otal Quantity otal Quantity otal Quantity 760.35 / No	12.000 12.000 No 0.000 No 12.000 No Rs 21	d fixing te

					Net To	tal Quantity	8.000 No	
				Say 8.000	No @ Rs 1	828.36 / No	Rs 14	626.88
14	18.17.6 Providing and fixing one nominal bore	gun metal g	ate valve wit	h C.I. whe	el of appro	ved quality	(screwed e	nd) :80 m
		2					2.000	
					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 2	725.02 / No	Rs 54	150.04
15	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 e
		6		March 1	TA		6.000	
		101	Ka		To	tal Quantity	6.000 Nos	
		100		T	otal Deduct	ed Quantity	0.000 Nos	
		* * * * * * * * * * * * * * * * * * * *	程的	a male	Net To	tal Quantity	6.000 Nos	
		Ker	ala Wate	Say 6.000 I	Nos @ Rs 1	46.63 / Nos	Rs 8	79.78
16	4.1.3 Providing and laying is shuttering - All work unominal size)					_		_
	Anchor Blocks	10	0.600	0.600	0.600		2.160	
	Road restoration	1	1700.000	0.500	0.150		127.500	
		129.660 cı	um					
	1	0.000 cum						
					otal Deduc	ed Quartity		
				ı		etal Quantity		ım
			Say		Net To		129.660 cu	m 1484.98
17	5.9.2 Centering and shutter attached pilasters, bu	_	g strutting, et	129.660 cu	Net To	otal Quantity 40.93 / cum	129.660 cu Rs 108	1484.98
17	Centering and shutter	_	g strutting, et	129.660 cu	Net To	otal Quantity 40.93 / cum	129.660 cu Rs 108	1484.98
17	Centering and shutter attached pilasters, bu	tteresses, pl	g strutting, et	129.660 cu	Net To	otal Quantity 40.93 / cum	129.660 cu  Rs 108  any thicknes  14.400	1484.98 s) includ

					Net 1 ot	al Quantity	14.400 sqn	1
	Say 14.400 sqm @ Rs 748.62 / sqm Rs 107							
18	100.98.235 Supply of uPVC P	Pipe, IS 4985: 2	000 , 10kg/cm2, 7	75mm Dia.				
		1	4714.000				4714.000	
					Tot	al Quantity	4714.000	metre
				Tot	al Deducte	ed Quantity	0.000 metr	е
					Net Tot	al Quantity	4714.000 n	netre
			Say 4714.	.000 metre	@ Rs 244	.60 / metre	Rs 115	3044.40
19	100.98.236 Supply of uPVC P	Pipe, IS 4985: 2	000 , 10kg/cm2, 9	90mm Dia.				
		1	1692.000	1			1692.000	
			14.3 BW	1	Tot	al Quantity	1692.000	metre
		1	YAR	Tot	al Deducte	ed Quantity	0.000 metr	е
		14	11111	MIN!	Net Tot	al Quantity	1692.000 n	netre
				(	26 A.L.			
20	18.12.7 Providing and fixi		complete with G.	I fittings in	cluding tre	.40 / metre		8028.80 tc. Exteri
20			complete with G.	I fittings in	cluding tre		d refilling e	tc. Exter
20	Providing and fixi	ominal bore	complete with G.	I fittings in	cluding tre	enching and	d refilling e	tc. Extern
20	Providing and fixi	ominal bore	complete with G.	I fittings in	cluding tre	enching and all Quantity and Quantity	d refilling e 3955.000	tc. Externmetre
20	Providing and fixi	ominal bore	complete with G. rala Water 3955.000	Autho	cluding tre	enching and all Quantity and Quantity	3955.000 3955.000 0.000 metr 3955.000 n	tc. Extern
20	Providing and fixi	ominal bore	complete with G. rala Water 3955.000	Autho	cluding tre	al Quantity al Quantity al Quantity	3955.000 3955.000 0.000 metr 3955.000 n	metre e
	Providing and fixi work65 mm dia n	ominal bore	complete with G. rala Water 3955.000	Autho	cluding tre	al Quantity al Quantity al Quantity	3955.000 3955.000 0.000 metr 3955.000 n	metre e
	Providing and fixi work65 mm dia n	ominal bore of the second of t	complete with G. rala Water 3955.000  Say 3955.	Autho	Total Deducte  Net Tot  @ Rs 879	al Quantity al Quantity al Quantity	d refilling e 3955.000 3955.000 0.000 metr 3955.000 n Rs 347	metre e
	Providing and fixi work65 mm dia n	ominal bore of the second of t	complete with G. rala Water 3955.000  Say 3955.	Autho Tot	Total Deducte  Net Tot  @ Rs 879	al Quantity ad Quantity al Quantity .75 / metre	3955.000 3955.000 0.000 metr 3955.000 n Rs 347	metre e
	Providing and fixi work65 mm dia n	ominal bore of the second of t	complete with G. rala Water 3955.000  Say 3955.	Autho Tot	Total Deducte  Rs 879  Total Deducte	al Quantity al Quantity al Quantity .75 / metre	3955.000 3955.000 0.000 metr 3955.000 n Rs 347 1.000 1.000 L.S	metre e
	Providing and fixi work65 mm dia n	ominal bore of the second of t	Say 3955.	Tot	Total Deducte Rs 879  Total Deducte Net Total Deducte Net Total Deducte	al Quantity al Quantity al Quantity .75 / metre al Quantity	3955.000 3955.000 0.000 metr 3955.000 n Rs 347 1.000 1.000 L.S 0.000 L.S	metre e
	Providing and fixi work65 mm dia n	ing G.I. pipes of	Say 3955.	Tot  1.000 L.S @	Tot al Deducte  Res 879  Tot al Deducte  Res 1739	al Quantity al Quantity al Quantity .75 / metre al Quantity ad Quantity ad Quantity al Quantity al Quantity	1.000 L.S 1.000 L.S Rs 173	metre e netre 9411.25

					To	tal Quantity	210.000 n	netre
				7	Γotal Deduct	ed Quantity	0.000 met	re
					Net To	tal Quantity	210.000 m	etre
	Say 210.000 metre @ Rs 1064.52 / metre							3549.20
23	od68011/2022_2023 Supply of 80mm GI sp	ecials						
		1	1.000				1.000	
					To	tal Quantity	1.000 L.S	
				7	Γotal Deduct	ed Quantity	0.000 L.S	
					Net To	tal Quantity	1.000 L.S	
			S	ay 1.000 L	.S @ Rs 11	177.00 / L.S	Rs 11	1177.00
24	100.98.440 Supply of CI Air Valve,	, Conforming	g to IS 14848	- 2000, Sir	ngle Orifice,	Small Orifice	e Type S1,	Size 25mm
		6	1/1/	51/1	1 1		6.000	
		1 A	THE	DEL I	To	tal Quantity	6.000 No	
		101	Ma		Fotal Deduct	ed Quantity	0.000 No	
		78		10	Net To	tal Quantity	6.000 No	
		17	1 337		No @ Rs 5	<u>-</u>		3820.50
25	od68012/2022_2023 Testing 65mm GI pipe	Ker		er Auth	No @ Rs 5	636.75 / No		8820.50
25	od68012/2022_2023 Testing 65mm GI pipe	_		er Auth	No @ Rs 5	636.75 / No		
25		line with pota	able water to	er Auth	No @ Rs 5	636.75 / No	Rs 33	
25		line with pota	able water to	the require	No @ Rs 5	636.75 / No ure tal Quantity	3955.000 3955.000	metre
25		line with pota	able water to	the require	No @ Rs 5	636.75 / No ure tal Quantity	3955.000 3955.000 0.000 meti	metre re
25		line with pota	able water to	the require	No @ Rs 5	ed Quantity	3955.000 3955.000 0.000 meti 3955.000 i	metre re
25		line with pota	able water to 3955.000 Say 3	the require	Total Deduct Net To	ure  tal Quantity ed Quantity tal Quantity tal Quantity	3955.000 3955.000 0.000 meti 3955.000 i	metre re metre
	Testing 65mm GI pipe	line with pota	able water to 3955.000 Say 3	the require	Total Deduct Net To	ure  tal Quantity ed Quantity tal Quantity tal Quantity	3955.000 3955.000 0.000 meti 3955.000 i	metre re metre
	Testing 65mm GI pipe	line with pota	Say 39	the require	To Total Deduct Net To etre @ Rs 22	ure  tal Quantity ed Quantity tal Quantity tal Quantity	3955.000 3955.000 0.000 metr 3955.000 r Rs 89	metre re metre 3422.55
	Testing 65mm GI pipe	line with pota	Say 39	the required	To Total Deduct Net To etre @ Rs 22	ure  tal Quantity ed Quantity tal Quantity 2.61 / metre  ure	3955.000 3955.000 0.000 metr 3955.000 r Rs 89	metre re metre 3422.55
	Testing 65mm GI pipe	line with pota	Say 39	the required	To Total Deduct  Total Deduct  Net Total Press  Total Deduct  Total Deduct  Total Deduct  Total Deduct  Total Deduct	ure  tal Quantity ed Quantity tal Quantity 2.61 / metre  ure	3955.000 3955.000 0.000 metri 3955.000 ii Rs 89 210.000 210.000 metri	metre metre 0422.55
	Testing 65mm GI pipe	line with pota	Say 39 able water to 210.000	the required the r	To Total Deduct  Total Deduct  Net Total Press  Total Deduct  Total Deduct  Total Deduct  Total Deduct  Total Deduct	ure  tal Quantity ed Quantity tal Quantity 2.61 / metre  ure  tal Quantity atal Quantity	3955.000 3955.000 0.000 metr 3955.000 r Rs 89 210.000 n 0.000 metr 210.000 m	metre metre 0422.55

1	od66533/2022_20 Road restoration of		m open grade	ed chipping	ı carpet surfa	ce cutting		
	PWD roads	1	350.000	1.000			350.000	
		1			То	tal Quantity	350.000 so	m
					Total Deduct	ed Quantity	0.000 sqm	
		350.000 sq	m					
			Say	350.000 s	qm @ Rs 26	19.13 / sqm	Rs 916	695.50
2	od66535/2022_20 Road restoration -							
	PWD Roads	1	1700.000	1.000			1700.000	
			Co	B	То	tal Quantity	1700.000 s	sqm
					Total Deduct	ed Quantity	0.000 sqm	
			43 6	P 20	Net To	tal Quantity	1700.000 s	qm
		11	Say	1700.000	sqm @ Rs 3	04.96 / sqm	Rs 518	432.00
3	od66538/2022_20 Road restoration of		crete road	surface				
		1	150.000	1.000			150.000	
			The Book	SUL SUL		tal Quantity		mp
		Ker	ala Wate	er Autl	Total Deduct	ed Quantity	0.000 sqm	
		D			~ —		150.000 sq	m
			Say	150.000 s	qm @ Rs 46	38.51 / sqm	Rs 695	776.50
						Total	13054	735.58
						Centage @	0.	0%
		0.	.00					
	Provision for GST payments (in %) @							.0%
			А	mount rese	erved for GS	T payments	23498	352.40
					Total	& Centage	15404	587.99
					Lumpsum f	or round off	954	12.01
					GRAND	TOTAL Rs	1550	00.000
					Rou	ınded Gran	d Total Rs	1,55,00,0
					Rupee	s One Cror	e Fifty Five	Lakh O