Detailed Estimate

KIIFB Project:TRAN10: WRD025- 06 -WSS to Ayyappankovil Panchayat in Idukki District-Part II-Package-II- Supplying, laying and commissioning 350mm, 300mm& 250mm DI pumping/ gravity main and 80mm GI pumping main, improvement work of Kalthotty sump& pump house, construction of pipe line bridge, design and construction of 1.00LL capacity sump& pump house at Nariyanpara, providing wash water disposal pipe line at WTP Alady and interconnection works etc

(Dsor year: 2018)

SI No	Description	No	L/66	В	D	CF	Quantity	Remark
1Appen	dix A- (1) - Supply and GLSR to Kalthotty su			and the second second	and a second sec		ain pipe fro x:41.53 %)	m Alady
1	100.98.119 Supply of DI K9 Pipe Co	onforming to	o IS 8329/20	000, 300mm	n Dia.			
	300mm DIK9 pipe	1	1833.000	100	2 Al	5	1833.000	
	2% for spare	1	37.000				37.000	
			ALC: N	a gua		tal Quantity		
		Kera	ala Wat	er Auth	Total Deduct	ed Quantity	0.000 metre	Э
	1						1870.000 m	
			Say 187	0.000 metr	e @ Rs 4520	0.63 / metre	Rs 845	3578.10
2	100.98.120 Supply of DI K9 Pipe Co	onforming to	o IS 8329/20	000, 350mm	n Dia.			
	350mm DIK9 pipe	1	5248.000				5248.000	
	2% for spare	1	105.000				105.000	
					То	tal Quantity	5353.000 r	netre
				-	Total Deduct	ed Quantity	0.000 metre	Э
					Net To	tal Quantity	5353.000 m	netre
			Say 535	53.000 metr	e @ Rs 5506	6.95 / metre	Rs 2947	8703.35
3	100.98.461 Supply of CI Double Fla Size 200mm.	anged Sluic	e Valve Cor	nforming to	IS 14846 - 2	000, Sluice	Valve with (Cap PN 1.6,
	200 mm valve for scour arrangements	5					5.000	
					То	tal Quantity	5.000 No	

							1	
				Т	Total Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	5.000 No	
				Say 5.000 N	No @ Rs 23	723.65 / No	Rs 118	618.25
4	100.98.463 Supply of CI Double Fla Size 300mm.	anged Sluic	e Valve Cor	forming to I	IS 14846 - 2	000, Sluice	Valve with (Cap PN 1.6,
		1					1.000	
					То	tal Quantity	1.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	1.000 No	
			Ca	Say 1.000 N	No @ Rs 43	312.35 / No	Rs 43	312.35
5	100.98.464 Supply of CI Double Fla Size 350mm.	anged Sluic	e Valve Cor	forming to I	IS 14846 - 2	000, Sluice	Valve with (Cap PN 1.6,
		2	120	22/2	121		2.000	
		15			То	tal Quantity	2.000 No	
					otal Deduct	ed Quantity	0.000 No	
				而可是之一	Net To	tal Quantity	2.000 No	
		Kera	ala Wat	Say 2.000 1	No @ Rs 77	806.55 / No	Rs 155	613.10
6	od41949/2020_2021 Supply DI specials,Tee	s,Bends,Co	llars,Tapers	etc.		ł		
	300mm x 90 degree bend	5		0.680			3.401	
	300mm x 45 degree bend	5		0.500			2.500	
	300mm x 22.5 degree bend	5		0.440			2.200	
	300mm x 11.25 degree bend	5		0.400			2.000	
	300 x 80mm TEE	5		0.500			2.500	
	300 x 200mm TEE	2		0.640			1.280	
	350mm x 90 degree bend	5		0.900			4.500	
	350mm x 45 degree bend	5		0.650			3.250	

						1		
	350mm x 22.5 degree bend	30		0.540			16.201	
	350mm x 11.25 degree bend	30		0.470			14.100	
	350 x 80 mm TEE	10		0.580			5.800	
	350 x 200 mm TEE	3		0.750			2.250	
					То	tal Quantity	59.982 qui	ntal
				Т	otal Deduct	ed Quantity	0.000 quint	al
					Net To	tal Quantity	59.982 quir	ntal
			Say 59.9	82 quintal @	2 Rs 20384	.00 / quintal	Rs 122	2673.09
7	100.98.436 Supply of CI Air Valve,	Conforming	to IS 14848	8 - 2000, Kin	etic Air Valv	ve Type DK,	Size 80mm	
		4	6.23				4.000	
		6.4	XZ	S. W	То	tal Quantity	4.000 No	
		(L)	NO	SXA-	otal Deduct	ed Quantity	0.000 No	
		1/52	Va	Man I	10	tal Quantity		
	3	4 CC	10.50	Say 4.000 N	Concello			994.20
8	100.98.437 Supply of Cl Air Valve,		to IS 14848	3- 2000, Kin		re Type DK,	Size 100mr 6.000 6.000 No	n.
						ed Quantity		
						tal Quantity		
				Say 6.000 N		y		782.50
SI No	Description	No	L	В	D	CF	Quantity	Remark
2Appen	dix A - (1) - Supply and GLSR to Kalthotty su			-		pumping m (Cost Index		m Alady
1	100.1.1 Excavating trenches of dressing of sides, ram then returning the soil a deposited layer by ram lead of 50 m : All kinds of soil (Ref. Item No. 2.10.1 of	ning of bott as required ming, water	oms, depth , in layers n	up to 1.5 m ot exceedin	, including g 20 cm in	getting out t depth, inclue	he excavate ding consoli	ed soil, and datingeach
			All cla	sses of soil-	- 75%			
	350mm DIK9 pipe	1	5248.000	1.100	1.300	0.75	5628.481	

	300mm DIK9 pipe	1	1833.000	1.000	1.250	0.75	1718.438	
			· · · ·		To	tal Quantity	7346.919 0	um
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	7346.919 c	um
			Say	7346.919 c	um @ Rs 57	79.85 / cum	Rs 426	0110.98
2	100.1.5 Excavating trenches of dressing of sides, ram then returning the soil deposited layer by ram lead of 50 m :" Ordinary Rock. (Ref. Item No. 2.13.1 of	ning of bott as required ming, wate	oms, depth i , in layers no	up to 1.5 m ot exceedin	, including (g 20 cm in (getting out t depth, inclue	he excavate ding consoli	ed soil, and datingeach
			Ordir	ary Rock-	18%			
	350mm DIK9 pipe	1	5248.000	1.100	1.300	0.18	1350.836	
	300mm DIK9 pipe	1	1833.000	1.000	1.250	0.18	412.425	
		155	Va		To	tal Quantity	1763.261 c	um
		RE		т	otal Deduct	ed Quantity	0.000 cum	
			And a state of the	101221	Net To	tal Quantity	1763.261 c	um
		Kera	ala Wsay	1763.261 c	um @ Rs 84	42.10 / cum	Rs 1484	1842.09
3	100.2.2 Excavation work by me drains (not exceeding bottoms, lift up to 1.5 m as directed, within a lea Medium Rock (blasting New Data derived from	1.5 m in w n, including ad of 50 m. prohibited)	idth or 10 m getting out th	2 on plan)	, including (dressing of	sides and r	amming of
		1011110.2.0		lium Rock-	30/			
	350mm DIK9 pipe	1	5248.000	1.100	1.300	0.03	225.140	
	300mm DIK9 pipe	1	1833.000	1.000	1.250	0.03	68.738	
			1000.000	1.000		tal Quantity	293.878 cu	ım
				T	otal Deduct			
							293.878 cu	 m
			Say	293.878 cu	m @ Rs 11(
4	2.7.3 Earth work in excavat (exceeding 30 cm in d earth, lead up to 50 m	epth, 1.5 m	in width as	well as 10	sqm on pla	n) including	disposal of	excavated

	(blasting prohibited							
			На	ard Rock- 2	%			
	350mm DIK9 pipe	1	5248.000	1.100	1.300	0.02	150.093	
	300mm DIK9 pipe	1	1833.000	1.000	1.250	0.02	45.825	
					Тс	tal Quantity	195.918 ci	ım
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	195.918 cu	m
			Say	195.918 cu	m @ Rs 12	48.58 / cum	Rs 244	619.30
5	100.4.1 Excavating in hard ro measurements and d 1.50m(intial depth 0 m avoid damages to near (Ref. Item No. 1004 A c	isposing u to 1.50m) a by structure	nserviceable and providing	e materials	s within the by earth fil	e intial leac led cement	l of 50m ar bags during	nd lift upto I blasting to
		Pro	tection by ea	arth filled ce	ment bags-	2%		
	350mm DIK9 pipe	1	5248.000	1.100	1.300	0.02	150.093	
	300mm DIK9 pipe	1	1833.000	1.000	1.250	0.02	45.825	
				10	То	otal Quantity	195.918 cu	ım
		Vor	ala Wat		otal Deduct	ed Quantity	0.000 cum	
		Kela		Auti	Net To	tal Quantity	195.918 cu	m
		D	Say	195.918 cu	m @ Rs 40	93.40 / cum	Rs 801	970.74
6	100.8.1 Fencing one side of tr casuarina pole (girth of (Data Prepared based of	15cm to 24	cm) fixed at	2 m interv		cm plastic c	aution tape	e in vertical
		1	2900.000				2900.000	
					То	tal Quantity	2900.000 r	netre
				Т	otal Deduct	ed Quantity	0.000 metre	Э
					Net To	otal Quantity	2900.000 m	netre
			Say 2	900.000 me	etre @ Rs 28	8.82 / metre	Rs 83	578.00
7	100.8.2 Fencing 1.50m high wi casuarina pole (girth 1 NEW DATA (Prepared	5cm to 24cr	n) fixed at 1.	5m interval	S.	24cm) tied w	ith coir yarn	n on vertical
		1	4000.000				4000.000	
					Тс	tal Quantity	4000.000 r	netre

				т	otal Deduct	ed Quantity	0.000 metre	
					Net To	tal Quantity	4000.000 m	netre
			Say 4	000.000 me	etre @ Rs 99	9.36 / metre	Rs 397	440.00
8	50.2.25.1 Filling with contractor's not exceeding 20 cm in 50 m and lift up to 1.5 i	depth, con	solidating e	ach deposit	ted layer by			-
	qty of red earth	1	350.000				350.000	
					To	tal Quantity	350.000 cu	ım
				Т	otal Deduct	ed Quantity	0.000 cum	
			10	0	Net To	tal Quantity	350.000 cu	m
			Sa	y 350.000 c	um @ Rs 54	18.85 / cum	Rs 192	097.50
9	100.14.5 Conveying and laying excluding cost of pipe 300 mm dia Ductile Iron Data derived from 18.72	es and spec Class K-9 I	cials : Pipes	ast (Spun) /	/ Ductile Iro	on Pipes co	onforming t	o IS: 8329
	300mm DIK9 pipe	1	1833.000			2	1833.000	
			A State	10 21	To	tal Quantity	1833.000 r	netre
		Kera	la Wat	er Auth	otal Deduct	ed Quantity	0.000 metre	÷
	1				Net To	tal Quantity	1833.000 m	netre
			Say 18	33.000 met	re @ Rs 214	1.13 / metre	Rs 392	500.29
10	100.14.6 Conveying and laying excluding cost of pipe 350 mm dia Ductile Iron Data derived from 18.72	es and spec Class K-9 I	cials : Pipes	ast (Spun) /	/ Ductile Iro	on Pipes co	onforming t	o IS: 8329
	350mm DIK9 pipe	1	5248.000				5248.000	
					To	tal Quantity	5248.000 r	netre
				Т	otal Deduct	ed Quantity	0.000 metre)
					Net To	tal Quantity	5248.000 m	ietre
			Say 52	48.000 met	re @ Rs 283	3.70 / metre	Rs 148	8857.60
11	100.31.1.5 "Conveying and fixing insertions etc. excludi 200 mm diameter. Class Data derived from item	ng the cos s I"	t of valve (., .		•		

	200mm sluice valve for scour arrangements	5					5.000	
					То	tal Quantity	5.000 Nos	
				Т	otal Deduct	ed Quantity	0.000 Nos	
					Net To	tal Quantity	5.000 Nos	
			Ś	Say 5.000 N	os @ Rs 16	25.90 / Nos	Rs 81	29.50
12	100.31.1.7 "Conveying and fixing insertions etc. exclud 300 mm diameter. Clas Data derived from item	ing the cos s I"	st of valve			-		
		1		192			1.000	
		1	8.3 6	1 2	То	tal Quantity	1.000 Nos	
		619	N.R.	S AT	otal Deduct	ed Quantity	0.000 Nos	
		S	(NY		Net To	tal Quantity	1.000 Nos	
		1 al		Say 1.000 N	os @ Rs 27	08.11 / Nos	Rs 27	08.11
13	100.31.1.8 "Conveying and fixing insertions etc. exclud 350 mm diameter. Clas Observed Data derived	ing the cos s I"	at of valve	(the tail pie	•	•		
		2					2.000	
					То	tal Quantity	2.000 Nos	
				Т	otal Deduct	ed Quantity	0.000 Nos	
					Net To	tal Quantity	2.000 Nos	
			:	Say 2.000 N	os @ Rs 36	16.30 / Nos	Rs 72	32.60
14	100.32.4 Conveying and fixing C excluding the cost of ai 80 mm Double acting A Data derived from item	r valve(the t ir Valve	tail pieces if				s,rubber ins	ertions etc .
		4					4.000	
					То	tal Quantity	4.000 Nos	
				Т	otal Deduct	ed Quantity	0.000 Nos	
					Net To	tal Quantity	4.000 Nos	
				Say 4.000 I	Nos @ Rs 2	29.21 / Nos	Rs 9 ⁻	16.84

15	100.32.5 Conveying and fixing excluding the cost of	-	-				s,rubber ins	ertions etc
	100 mm Double actin	•	tan pieces i			peratory).		
		6					6.000	
					Tc	tal Quantity	6.000 Nos	
				Г	Total Deduct	ed Quantity	0.000 Nos	
					Net To	otal Quantity	6.000 Nos	
				Say 6.000	Nos @ Rs 3	51.21 / Nos	Rs 21	07.26
16	18.30.7 Providing flanged joir diameter pipe	its to double	flanged C.I.	/ D.I pipes a	and specials	, including t	esting of joi	nts:300 mm
		70	25	125			70.000	
		1	S. J. (\$ \$	Тс	otal Quantity	70.000 No	S
		11	NG	$\frac{1}{2}$	Total Deduct	ed Quantity	0.000 Nos	
)A	IDE	22	Net To	tal Quantity	70.000 Nos	6
		18th		Say 70.000	Nos @ Rs 6	03.77 / Nos	Rs 42	263.90
17	18.30.8 Providing flanged joir diameter pipe			/ D.I pipes a ter Auth		, including t	esting of join	nts:350 mm
		100					100.000	
			K_		Тс	otal Quantity	100.000 N	os
				T	Total Deduct	ed Quantity	0.000 Nos	
					Net To	otal Quantity	100.000 No	os
			S	ay 100.000	Nos @ Rs 8	11.46 / Nos	Rs 81	146.00
18	18.70.5 Providing push - on-jo joints and including th		••••	•	•	uctile Iron P	ipes includir	ng testing of
		300					300.000	
					Тс	tal Quantity	300.000 jo	int
				Т	Total Deduct	ed Quantity	0.000 joint	
					Net To	tal Quantity	300.000 joi	nt
			S	ay 300.000 j	oint @ Rs 4	30.68 / joint	Rs 129	204.00
19	18.70.6 Providing push - on-jo joints and including th		• • • •	•	•	uctile Iron P	ipes includir	ng testing of

		1000					1000.000	
					То	tal Quantity	1000.000 j	oint
				Т	otal Deduct	ed Quantity	0.000 joint	
					Net To	tal Quantity	1000.000 jo	pint
			Say	1000.000 j	oint @ Rs 4	56.93 / joint	Rs 456	930.00
20	18.24 Laying in position S & excluding cost of spec	-	ed C.I. spec	ial such as	s tees, bend	ds, collars,	tapers and	caps etc
	300mm x 90 degree DI bend	5		0.680			3.401	
	300mm x 45 degree DI bend	5	<u>f</u> Ge	0.500			2.500	
	300mm x 22.5 degree DI bend	5	31	0.440	2		2.200	
	300mm x 11.25 degree DI bend	5	RO	0.400	121		2.000	
	300 x 80mm DI TEE	5	Ka	0.500	2 Art	2	2.500	
	300 x 200mm DI TEE	2		0.640			1.280	
	350mm x 90 degree DI bend	Ker	ala Wat	er Auth	ority		4.500	
	350mm x 45 degree DI bend	5	R 1	0.650	٦ F	T	3.250	
	350mm x 22.5 degree DI bend	30		0.540			16.201	
	350mm x 11.25 degree DI bend	30		0.470			14.100	
	350 x 80mm DI TEE	10		0.580			5.800	
	350 x 200mm DI TEE	3		0.750			2.250	
					То	tal Quantity	59.982 qui	ntal
				1	otal Deduct	ed Quantity	0.000 quint	al
					Net To	tal Quantity	59.982 quir	ntal
			Say 59	9.982 quinta	al @ Rs 603	.91 / quintal	Rs 36	223.73
21	18.67.1 Providing and laying S 300 mm dia	& S C.I. Si	andard spec	ials suitable	e for mecha	nical jointing	g as per IS	13382:Up
	300mm MJ collar	5				0.48	2.400	

					То	tal Quantity	2.400 quintal	
				т	otal Deduct	ed Quantity	0.000 quintal	
					Net To	tal Quantity	2.400 quintal	
			Say 2.4	00 quintal @	2 Rs 14708	.65 / quintal	Rs 35300	0.76
22	18.67.2 Providing and laying S 300 mm dia	& S C.I. Sta	andard speci	als suitable	for mechan	ical jointing	as per IS 1338	32:Above
	350mm MJ collar	10				0.62	6.200	
					То	otal Quantity	6.200 quintal	
				Т	otal Deduct	ed Quantity	0.000 quintal	
			Can	2	Net To	tal Quantity	6.200 quintal	
			Say 6.2	00 quintal @	2 Rs 15492	.79 / quintal	Rs 96055	5.30
23	18.83.7 Labour for cutting C.I. p	pipe with ste	el saw.300 r	nm diamete	r C.I. pipe			
		10	152	EX A	TA.		10.000	
		102	La	S	То	tal Quantity	10.000 Each	Cut
		100		т	otal Deduct	ed Quantity	0.000 Each Cu	ut
			ALC: N	a ana	Net To	tal Quantity	10.000 Each C	Cut
		Kera	Say 10.000	Each Cut	Rs 671.63	3 / Each Cut	Rs 6716	.30
24	18.83.8 Labour for cutting C.I. p	pipe with ste	el saw.350 r	nm diamete	r C.I pipe	Ŧ,		
		25					25.000	
					То	tal Quantity	25.000 Each	Cut
				Т	otal Deduct	ed Quantity	0.000 Each Cu	ut
					Net To	tal Quantity	25.000 Each C	Cut
			Say 25.000	Each Cut @	® Rs 781.10) / Each Cut	Rs 19527	7.50
25	100.35.5 Testing 300mm DI/CI p 300 mm dia Observed Data derived				uired test p	ressure.		
	300mm	1	1833.000				1833.000	
					То	tal Quantity	1833.000 met	tre
				т	otal Deduct	ed Quantity	0.000 metre	
					Net To	tal Quantity	1833.000 meti	re
			Say 1	833.000 me	etre @ Rs 57	7.81 / metre	Rs 10596	5.73

	100.35.6 Testing 350mm DI/CI p 350 mm dia Observed Data derived				juired test pi	ressure.		
	350mm	1	5248.000				5248.000	
					То	tal Quantity	5248.000 ı	metre
				Т	otal Deduct	ed Quantity	0.000 metro	e
					Net To	tal Quantity	5248.000 n	netre
			Say 5	248.000 me	etre @ Rs 70	0.53 / metre	Rs 370)141.44
27	4.1.3 Providing and laying in shuttering - All work up nominal size)	•		1000	-	-		-
	For anchor block	10	1.000	1.000	1.000		10.000	
		619	N R	SN A	То	tal Quantity	10.000 cur	m
		1 B	(D)	T	otal Deduct	ed Quantity	0.000 cum	
		1ah	Ka	Sol.	Net To	tal Quantity	10.000 cum	า
			Sa	y 10.000 cu	ım @ Rs 834	40.93 / cum	Rs 83	409.30
28	5.9.1							
	Centering and shutterir columns, etc for mass		strutting, et	c. and remo	oval of form	for:Foundat	ions, footing	gs, bases of
	Centering and shuttering		strutting, et	c. and remo 1.000	oval of form	for:Foundat	ions, footing 40.000	gs, bases of
	Centering and shutterin columns, etc for mass	concrete			ÌĒ	for:Foundat tal Quantity	40.000	
	Centering and shutterin columns, etc for mass	concrete		1.000	ÌĒ	tal Quantity	40.000 40.000 sqr	
	Centering and shutterin columns, etc for mass	concrete		1.000	To To	tal Quantity ed Quantity	40.000 40.000 sqr	n
	Centering and shutterin columns, etc for mass	concrete	1.000	1.000 T	To To	tal Quantity ed Quantity tal Quantity	40.000 40.000 sqr 0.000 sqm 40.000 sqn	n
29	Centering and shutterin columns, etc for mass	ion by mec t exceeding ift up to 1.5	1.000 S hanical mea g 1.5 m in w 5 m, includin	1.000 T ay 40.000 s ans (Hydra idth or 10 s g getting o	To Total Deduct Net To aqm @ Rs 3 ulic excava sqm on plan ut the exca	tal Quantity ed Quantity tal Quantity 50.00 / sqm tor) /manua	40.000 40.000 sqr 0.000 sqm 40.000 sqn Rs 14 Il means in dressing o	m n 000.00 foundation f sides and
29	Centering and shutterin columns, etc for mass For anchor block 2.8.1 Earth work in excavat trenches or drains (no ramming of bottoms, li excavated soil as dire	ion by mec t exceeding ift up to 1.5 cted, within	1.000 S hanical mea g 1.5 m in w 5 m, includin	1.000 T ay 40.000 s ans (Hydra idth or 10 s g getting o 0 m.All kind	To Total Deduct Net To aqm @ Rs 3 ulic excava aqm on plan ut the exca ds of soil	tal Quantity ed Quantity tal Quantity 50.00 / sqm tor) /manua n), including vated soil a	40.000 40.000 sqr 0.000 sqm 40.000 sqn Rs 14 I means in dressing o and disposa	m n 000.00 foundation f sides and
29	Centering and shutterin columns, etc for mass For anchor block 2.8.1 Earth work in excavat trenches or drains (no ramming of bottoms, li excavated soil as dire	ion by mec t exceeding ift up to 1.5 cted, within	1.000 S hanical mea g 1.5 m in w m, includin a lead of 5	1.000 T ay 40.000 s ans (Hydra idth or 10 s g getting o 0 m.All kind	To Total Deduct Net To aqm @ Rs 3 ulic excava aqm on plan ut the exca ds of soil	tal Quantity ed Quantity tal Quantity 50.00 / sqm tor) /manua n), including vated soil a	40.000 40.000 sqr 0.000 sqm 40.000 sqn Rs 14 Il means in dressing o and disposa	m n 000.00 foundation f sides and
29	Centering and shutterin columns, etc for mass For anchor block 2.8.1 Earth work in excavate trenches or drains (no ramming of bottoms, li excavated soil as dire Co For valve chamber (Taking 50% as hard	ion by mec t exceeding ift up to 1.5 cted, within	hanical mea 1.5 m in w m, includin a lead of 5 of valve chan	1.000 T ay 40.000 s ans (Hydra idth or 10 s g getting o 0 m.All kine nber of size	To Total Deduct Net To aqm @ Rs 3 ulic excava aqm on plan ut the exca ds of soil 1.50x1.50x 1.500	tal Quantity ed Quantity tal Quantity 50.00 / sqm tor) /manua i), including vated soil a	40.000 40.000 sqr 0.000 sqm 40.000 sqn Rs 14 I means in dressing o and disposa los 65.341	m n 000.00 foundation f sides and I of surplus

							65.341 cum	
			S	Say 65.341 d	cum @ Rs 3	09.95 / cum	Rs 202	252.44
30	2.9.1 Excavation work by me drains (not exceeding bottoms, lift up to 1.5 m as directed, within a lea	1.5 m in wi n, including	dth or 10 so getting out	qm on plan the excavat), including	dressing of	sides and	ramming
	Со	nstruction c	of valve char	nber of size	1.50x1.50x	1.20m -18 N	los	
	For valve chamber (Taking 50% of EW as ordinary rock)	18	2.200	2.200	1.500	0.5	65.341	
			Re	2	Тс	tal Quantity	65.341 cur	n
			1		Total Deduct	ed Quantity	0.000 cum	
		1	34	8 2	Net To	tal Quantity	65.341 cum	า
		61	S	Say 65.341 d	cum @ Rs 5	50.62 / cum	Rs 35	978.06
	4.1.6 Providing and laying in shuttering - All work up nominal size)	to plinth lev	vel:1:3:6(1	cement : 3 d	coarse sand	: 6 graded s	stone aggre	-
	Providing and laying in shuttering - All work up nominal size)	to plinth lev	vel:1:3:6(1	cement : 3 d	coarse sand 1.50x1.50x 0.200	: 6 graded s	stone aggree	gate 40 m
	Providing and laying in shuttering - All work up nominal size) Co	nstruction c	vel:1:3:6(1	mber of size	coarse sand 1.50x1.50x 0.200 Tc	: 6 graded s	stone aggree los 17.425 17.425 cur	gate 40 n
	Providing and laying in shuttering - All work up nominal size) Co	nstruction c	vel:1:3:6(1	mber of size	1.50x1.50x 0.200 Tc Total Deduct	: 6 graded s 1.20m -18 N tal Quantity	stone aggree los 17.425 17.425 cur 0.000 cum	gate 40 n
	Providing and laying in shuttering - All work up nominal size) Co	nstruction c	vel:1:3:6 (1 of valve char 2.200	mber of size	coarse sand 1.50x1.50x 0.200 To Total Deduct Net To	: 6 graded s 1.20m -18 N tal Quantity red Quantity	stone aggree los 17.425 17.425 cur 0.000 cum 17.425 cur	gate 40 n
32	Providing and laying in shuttering - All work up nominal size) Co	nstruction of Kera 18	vel:1:3:6 (1 of valve char 2.200 R Sa pecified gra reinforceme	ade of reinfrent - All worl	coarse sand 1.50x1.50x 0.200 To Total Deduct Net To um @ Rs 75 orced ceme	: 6 graded s 1.20m -18 N tal Quantity red Quantity tal Quantity 27.06 / cum ent concrete	stone aggreg los 17.425 17.425 cur 0.000 cum 17.425 cur Rs 131	gate 40 m m 1 159.02 the cost
32	Providing and laying in shuttering - All work up nominal size) Co Base concrete 5.1.2 Providing and laying in centering, shuttering, fin sand :3 graded stone ag	nstruction of the position shishing and ggregate 20	vel:1:3:6 (1 of valve char 2.200 R pecified gra reinforceme 0 mm nomin	ade of reinfent - All worl	coarse sand 1.50x1.50x 0.200 Total Deduct Net To um @ Rs 75 orced ceme < up to plinth	: 6 graded s 1.20m -18 N tal Quantity red Quantity tal Quantity 27.06 / cum ent concrete	stone aggreg los 17.425 cur 0.000 cum 17.425 cur Rs 131 , excluding 3 (1 cement	gate 40 m m 1 159.02 the cost
32	Providing and laying in shuttering - All work up nominal size) Co Base concrete 5.1.2 Providing and laying in centering, shuttering, fin sand :3 graded stone ag	nstruction of the position shishing and ggregate 20	vel:1:3:6 (1 of valve char 2.200 R pecified gra reinforceme 0 mm nomin	ade of reinfent - All worl	coarse sand 1.50x1.50x 0.200 Total Deduct Net To um @ Rs 75 orced ceme < up to plinth	: 6 graded s 1.20m -18 N tal Quantity red Quantity tal Quantity 27.06 / cum ent concrete h level:1:1:5:	stone aggreg los 17.425 cur 0.000 cum 17.425 cur Rs 131 , excluding 3 (1 cement	gate 40 m m 1 159.02 the cost
32	Providing and laying in shuttering - All work up nominal size) Base concrete 5.1.2 Providing and laying in centering, shuttering, fir sand :3 graded stone ag For cover slab and	nstruction of the position shishing and ggregate 20 Construction	rel:1:3:6 (1 of valve char 2.200 Sa pecified gra reinforceme mm nomin n of valve cl	ade of reinfrent - All work al size	coarse sand 1.50x1.50x 0.200 To Total Deduct Net To Im @ Rs 75 orced ceme < up to plinth ize 1.5x1.5x	: 6 graded s 1.20m -18 N tal Quantity red Quantity tal Quantity 27.06 / cum ent concrete h level:1:1:5:	stone aggree los 17.425 cur 0.000 cum 17.425 cur Rs 131 , excluding 3 (1 cement	gate 40 m m 1 159.02 the cost
32	Providing and laying in shuttering - All work up nominal size) Co Base concrete 5.1.2 Providing and laying in centering, shuttering, fin sand :3 graded stone ag For cover slab and Base slab Side wall of valve	nstruction of the position shing and ggregate 20 Construction 18*2	rel:1:3:6 (1 of valve char 2.200 Sa pecified gra reinforceme 0 mm nomin n of valve cl 2.200	cement : 3 of mber of size 2.200 ay 17.425 cu ade of reinfo ent - All work al size hamber of s 2.200	coarse sand 1.50x1.50x 0.200 Total Deduct Net To Im @ Rs 75 orced ceme (up to plinth ize 1.5x1.5x 0.200 1.200	: 6 graded s 1.20m -18 N tal Quantity red Quantity tal Quantity 27.06 / cum ent concrete h level:1:1:5:	stone aggree los 17.425 17.425 cur 0.000 cum 17.425 cur Rs 131 , excluding 3 (1 cement 34.849 34.560	gate 40 m m 159.02 the cost t 1.5 coar
32	Providing and laying in shuttering - All work up nominal size) Co Base concrete 5.1.2 Providing and laying in centering, shuttering, fin sand :3 graded stone ag For cover slab and Base slab Side wall of valve	nstruction of the position shing and ggregate 20 Construction 18*2	rel:1:3:6 (1 of valve char 2.200 Sa pecified gra reinforceme 0 mm nomin n of valve cl 2.200	cement : 3 of mber of size 2.200 av 17.425 cu ade of reinfo ent - All work al size hamber of s 2.200 0.200	coarse sand 1.50x1.50x 0.200 Total Deduct Net To Im @ Rs 75 orced ceme (up to plinth ize 1.5x1.5x 0.200 1.200 To	: 6 graded s	stone aggree los 17.425 17.425 cur 0.000 cum 17.425 cur Rs 131 , excluding 3 (1 cement 34.849 34.560 69.409 cur	gate 40 m m 159.02 the cost t 1.5 coar

	Say 69.409 cum @ Rs 9483.15 / cum Rs 658215.96										
33	5.22.2 Steel reinforcement fo binding all complete u		-	-		, bending, r	placing in p	osition and			
	70 m3 @100 kg m3	1	7000.000				7000.000				
					То	tal Quantity	7000.000	tilogram			
				Т	otal Deduct	ed Quantity	0.000 kilogi	am			
					Net To	otal Quantity	7000.000 k	logram			
	Say 7000.000 kilogram @ Rs 105.23 / kilogram Rs 736610.00										
34	-										
	Valve chamber - side wall	18*4	1.500	1.500	2.		162.000				
	Cover Slab	18	1.500	1.500	441		40.500				
		15	DB	22	То	tal Quantity	202.500 sc	ım			
		124		Т	otal Deduct	ed Quantity	0.000 sqm				
				in el	Net To	tal Quantity	202.500 sq	m			
		Ker		y 202.500 s	qm @ Rs 7	48.62 / sqm	Rs 151	595.55			
35	13.1.1 12 mm cement plaster of	of mix:1:4 (1 cement : 4	fine sand)							
		Constructio	on of valve c	hamber of s	size 1.5x1.5	x1.2 -3 Nos					
		18	9.450				170.100				
					То	tal Quantity	170.100 sc	ım			
				Т	otal Deduct	ed Quantity	0.000 sqm				
					Net To	tal Quantity	170.100 sq	m			
			Sa	y 170.100 s	qm @ Rs 3	27.85 / sqm	Rs 557	767.29			
SI No	Description	No	L	В	D	CF	Quantity	Remark			
3Appen	dix A - (2) - Supply and arrang	, ,) mm DI pun ost of matrei		from Kalth st Index:41		to Nariyanp	ara (Re-			
1	100.98.119 Supply of DI K9 Pipe Co	onformina ta	o IS 8329/20	00. 300mm	Dia.						
		1	4830.000	-,			4830.000				

	2 % for spare	1	97.000				97.000	2% for future maintenan ce
					То	tal Quantity	4927.000	metre
				Т	otal Deduct	ed Quantity	0.000 metr	e
		tal Quantity	4927.000 metre					
			Say 492	27.000 metre	e @ Rs 4520).63 / metre	Rs 2227	3144.01
2	100.98.461 Supply of CI Double Fla Size 200mm.	000, Sluice	Valve with	Cap PN 1.6,				
	200mm sluice valve for scour arrangements	4	A	A			4.000	
		6.4	XZ	K K	То	tal Quantity	4.000 No	
		(L)	110	Т	otal Deduct	ed Quantity	0.000 No	
		152	12a	600	Net To	tal Quantity	4.000 No	
		100		Say 4.000 N	No @ Rs 23	723.65 / No	Rs 94894.60	
3	100.98.463 Supply of CI Double Fla Size 300mm.	anged Sluic	e Valve Cor	nforming to I	S 14846 - 2	000, Sluice	Valve with	Cap PN 1.6,
		2	\mathbf{Q}				2.000	
					То	tal Quantity	2.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	2.000 No	
				Say 2.000 N	No @ Rs 43	312.35 / No	Rs 86	624.70
4	100.98.440 Supply of CI Air Valve,	Conforming	to IS 14848	3 - 2000, Sin	gle Orifice,	Small Orifice	e Type S1, S	Size 25mm.
		3					3.000	
					То	tal Quantity	3.000 No	
				т		ad Quantity	0.000 No	
					otal Deduct	eu Quantity		
						tal Quantity		
						tal Quantity	3.000 No	910.25
5	100.98.444 Supply of CI Air Valve,	Conformina	to IS 14848	Say 3.000	Net To No @ Rs 5	tal Quantity 636.75 / No	3.000 No Rs 16	

	Total Quantity 5.000 No										
				Т	otal Deduct	ed Quantity	0.000 No				
					Net To	tal Quantity	5.000 No				
				Say 5.000	No @ Rs 6	110.65 / No	Rs 30	553.25			
6	od41949/2020_2021 Supply DI specials,Tee	s,Bends,Co	lars,Tapers	etc.							
	90 degree DI bend	10		0.680			6.801				
	45 degree DI bend	10		0.500			5.000				
	22.5 degree DI bend	10		0.440			4.400				
	11.25 degree DI bend	10		0.400			4.000				
	300 x 80mm DI TEE	8	(Get	0.500			4.000				
	300 x 200mm DI TEE	4	1.5	0.640			2.560				
	Total Quantity 26.761 quintal										
		(1)	ANK.	22/27	otal Deduct	ed Quantity	0.000 quint	al			
		15	DAS	K2L	Net To	tal Quantity	26.761 quir	ıtal			
			Say 26.7	61 quintal @	Rs 20384	.00 / quintal	Rs 545	496.22			
SI No	Description	No	L	В	D	CF	Quantity	Remark			
4Append	dix A - (2) - Supply and arrang	- IZ	mm DI pun orking char	and A such a	from Kalth st Index:41		to Nariyanp	ara (Re-			
1	100.1.1 Excavating trenches of dressing of sides, ramit then returning the soil deposited layer by rami lead of 50 m : All kinds of soil (Ref. Item No. 2.10.1 of	ning of bott as required ming, water	oms, depth in layers n	up to 1.5 m ot exceedin	, including g g 20 cm in d	getting out t depth, inclue	he excavate ding consoli	ed soil, and datingeach			
			All cla	sses of soil	- 75%						
		1	4830.000	1.000	1.250	0.75	4528.125				
					То	tal Quantity	4528.125 c	um			
				Т	otal Deduct	ed Quantity	0.000 cum				
					Net To	tal Quantity	4528.125 c	um			
			Say	4528.125 c	um @ Rs 5	79.85 / cum	Rs 262	5633.28			
2	100.1.5 Excavating trenches of dressing of sides, rame then returning the soil	ning of bott	oms, depth	up to 1.5 m	, including	getting out t	he excavate	ed soil, and			

	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 o	f DSR)									
			Ordir	nary Rock -	15%						
		1	4830.000	1.000	1.250	0.15	905.625				
					То	tal Quantity	905.625 ci	ım			
				Т	otal Deduct	ed Quantity	0.000 cum				
					Net To	tal Quantity	905.625 cu	m			
	Say 905.625 cum @ Rs 842.10 / cum Rs 762626.81										
3	100.2.2 Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 m2 on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. Medium Rock (blasting prohibited) New Data derived from Item No.2.9.3										
		1am	Medium	Rock Blast	ing - 5%	2					
		1	4830.000	1.000	1.250	0.05	301.875				
			A TYL	a ana	То	tal Quantity	301.875 cu	ım			
		Kera	ala wat	er Auth	otal Deduct	ed Quantity	0.000 cum				
		D	\mathbf{D}		Net To	tal Quantity	301.875 cu	m			
			Say	301.875 cu	m @ Rs 11(06.34 / cum	Rs 333	976.39			
4	2.7.3 Earth work in excava (exceeding 30 cm in d earth, lead up to 50 m (blasting prohibited	epth, 1.5 m	in width as	well as 10	sqm on pla	n) including	disposal of	fexcavated			
		Ha	ardr rock exc	avating by	chiselling - 3	3%	[
		1	4830.000	1.000	1.250	0.03	181.125				
					То	tal Quantity	181.125 ci	ım			
				Т	otal Deduct	ed Quantity	0.000 cum				
					Net To	tal Quantity	181.125 cu	m			
			Say	181.125 cu	m @ Rs 124	48.58 / cum	Rs 226	6149.05			
5	100.4.1										
	Excavating in hard ro measurements and c		-	•			-				
	1.50m(intial depth 0 m							-			

	avoid damages to nearby structures(200 Nos. of earth filled cement bags for 10m3 blasting) (Ref. Item No. 1004 A of T C)											
	× ·	,	Hardr	rock blasting	g - 2%							
		1	4830.000	1.000	1.250	0.02	120.750					
					То	tal Quantity	120.750 cu	ım				
				Т	otal Deduct	ed Quantity	0.000 cum					
					Net To	tal Quantity	120.750 cu	m				
	Say 120.750 cum @ Rs 4093.40 / cum Rs 494278.05											
6	50.2.25.1 Filling with contractor's own earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m as per direction of site Engineer-in-charge											
	1 250.000 250.000											
		1	8 2	8. 7/	То	tal Quantity	250.000 cu	ım				
	Total Deducted Quantity 0.000 cum											
		15	US	KAN I	Net To	tal Quantity	250.000 cu	m				
	3	KC	Sa	y 250.000 c	um @ Rs 5	48.85 / cum	Rs 137	212.50				
7	100.8.1 Fencing one side of tr casuarina pole (girth (Data Prepared based)	15cm to 24	cm) fixed at	2 m interv		cm plastic c	aution tape	e in vertical				
		1	4000.000				4000.000					
					То	tal Quantity	4000.000 r	netre				
				Т	otal Deduct	ed Quantity	0.000 metre	e				
					Net To	tal Quantity	4000.000 m	netre				
			Say 4	000.000 me	etre @ Rs 28	3.82 / metre	Rs 115	280.00				
8	100.14.5 Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials : 300 mm dia Ductile Iron Class K-9 Pipes Data derived from 18.72.19 in DAR											
		1	4830.000				4830.000					
					То	tal Quantity	4830.000 r	netre				
				Т	otal Deduct	ed Quantity	0.000 metre	e				
					Net To	tal Quantity	4830.000 m	netre				
			Say 48	30.000 met	re @ Rs 214	4.13 / metre	Rs 1034	4247.90				

9	18.70.5 Providing push - on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron F joints and including the cost of rubber gasket:300 mm dia pipe	Pipes including testing of
	800	800.000
	Total Quantity	/ 800.000 joint
	Total Deducted Quantity	/ 0.000 joint
	Net Total Quantity	/ 800.000 joint
	Say 800.000 joint @ Rs 430.68 / join	t Rs 344544.00
10	 18.30.7 Providing flanged joints to double flanged C.I./ D.I pipes and specials, including diameter pipe 	testing of joints:300 mn
	100	100.000
	Total Quantity	/ 100.000 Nos
	Total Deducted Quantity	/ 0.000 Nos
	Net Total Quantity	/ 100.000 Nos
	Say 100.000 Nos @ Rs 603.77 / Nos	s Rs 60377.00
11	18.83.7 Labour for cutting C.I. pipe with steel saw.300 mm diameter C.I. pipe	
	50 states Authority	50.000
	Total Quantity	/ 50.000 Each Cut
	Total Deducted Quantity	/ 0.000 Each Cut
	Net Total Quantity	/ 50.000 Each Cut
	Say 50.000 Each Cut @ Rs 671.63 / Each Cu	t Rs 33581.50
12	 100.35.5 Testing 300mm DI/CI pipeline with potable water to the required test pressure. 300 mm dia Observed Data derived from item no.1023 of PHED DATA 	
	1 4830.000	4830.000
	Total Quantity	/ 4830.000 metre
	Total Deducted Quantity	/ 0.000 metre
	Net Total Quantity	/ 4830.000 metre
	Say 4830.000 metre @ Rs 57.81 / metre	e Rs 279222.30
13	³ 100.31.1.5 "Conveying and fixing C.I. sluice valves (with cap) by providing complete v insertions etc. excluding the cost of valve (the tail pieces if required will be 200 mm diameter. Class I"	

	Data derived from item	no.18.31.4.	1 of DAR		-		-			
	200mm sluice valve for scour arrangements	4					4.000			
					То	tal Quantity	4.000 Nos			
				т	otal Deduct	ed Quantity	0.000 Nos			
					Net To	tal Quantity	4.000 Nos			
			:	Say 4.000 N	os @ Rs 16	25.90 / Nos	Rs 65	03.60		
14	100.31.1.7 "Conveying and fixing insertions etc. exclude 300 mm diameter. Clas Data derived from item	ing the cos s I"	st of valve	., .		•				
		2	8.8.9		A. C.		2.000			
		619	N. R	SN A	То	tal Quantity	2.000 Nos			
		1S	(NY	Т	otal Deduct	ed Quantity	0.000 Nos			
		1ah	Ka	Yay.	Net To	tal Quantity	2.000 Nos			
				Say 2.000 N	os @ Rs 27	08.11 / Nos	Rs 54	16.22		
15	100.32.1 Conveying and fixing C excluding the cost of ai 25 mm Single acting Ai Observed Data derived	r valve(the r Valve	tail pieces if	required wil			s,rubber ins	ertions etc .		
		3					3.000			
					То	tal Quantity	3.000 Nos			
				Т	otal Deduct	ed Quantity	0.000 Nos			
					Net To	tal Quantity	3.000 Nos			
				Say 3.000 I	Nos @ Rs 1	46.63 / Nos	Rs 43	39.89		
16	100.32.3 Conveying and fixing C I Single acting Air Valve of approved quality with bolts,nuts,rubber insertions etc . excluding the cost of air valve(the tail pieces if required will be paid seperately): 50 mm Double acting Air Valve Data derived from item no.18.59.1 of DAR									
		5					5.000			
					To	tal Quantity	5.000 Nos			
				т	otal Deduct	ed Quantity	0.000 Nos			
					Net To	tal Quantity	5.000 Nos			

			Say 5.000) Nos @ Rs 2	229.21 / Nos	Rs 1′	146.05			
17	18.24 Laying in position S & excluding cost of spec	-	ged C.I. special such a	as tees, ber	ids, collars,	tapers and	caps etc			
	90 degree DI bend	10	0.680			6.801				
	45 degree DI bend	10	0.500			5.000				
	22.5 degree DI bend	10	0.440			4.400				
	11.25 degree DI bend	10	0.400			4.000				
	300 x 80mm DI TEE	8	0.500			4.000				
	300 x 200mm DI TEE	4	0.640			2.560				
			Can	Т	otal Quantity	26.761 qu	intal			
	Total Deducted Quantity 0.000 quintal Net Total Quantity 26.761 quintal									
		61	Say 26.761 quin	tal @ Rs 603	3.91 / quintal	Rs 16	161.24			
	300 mm dia 300mm MJ collar	10			0.48	4.800				
		Ker	ala Water Aut	hority T	otal Quantity	4.800 quir	ntal			
				Total Deduc	ted Quantity	0.000 quin	tal			
			R	Net T	otal Quantity	4.800 quin	tal			
			Say 4.800 quintal	@ Rs 14708	3.65 / quintal	Rs 70	601.52			
19	2.8.1 Earth work in excavati trenches or drains (not ramming of bottoms, li excavated soil as direc	exceeding it up to 1.5 ted, within	g 1.5 m in width or 10 5 m, including getting	sqm on pla out the exca nds of soil	n), including avated soil a	dressing o Ind dispose	of sides a			
	50 % hard soil	3	2.200 2.200	1.500	0.5	10.891				
					otal Quantity					
					ted Quantity					
			0 10 00		otal Quantity					
			Say 10.891	cum @ Rs 3	309.95 / cum	Rs 3	375.67			
20	2.9.1 Excavation work by me	chanical m	neans (Hydraulic excav	/ator) / manu	ial means in	foundation	trenche			

	bottoms, lift up to 1.5 m as directed, within a lea	-			ed soil and	disposal of :	surplus exca	avated soils	
	Co	onstruction	of valve cha	mber of size	e 1.50x1.50x	(1.20m -3 N	os		
	50 % O R	3	2.200	2.200	1.500	0.5	10.891		
					То	tal Quantity	10.891 cur	n	
				Т	otal Deduct	ed Quantity	0.000 cum		
					Net To	tal Quantity	10.891 cum	า	
			S	ay 10.891 c	um @ Rs 5	50.62 / cum	Rs 59	96.80	
21	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)								
	Co	onstruction	of valve cha	mber of size	1.50x1.50x	(1.20m -3 N	os		
	Base concrete	3	2.200	2.200	0.100		1.453		
		(1)	1200	21/2	То	tal Quantity	1.453 cum		
		155	US	Т	otal Deduct	ed Quantity	0.000 cum		
				22/31	Net To	tal Quantity	1.453 cum		
	Net Total Quantity 1.453 cum Say 1.453 cum @ Rs 7527.06 / cum Rs 10936.82								
	5.1.2 Kerala Water Authority Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1:5:3 (1 cement 1.5 coars								
22	Providing and laying ir	n position s hishing and	ala Wat pecified gra reinforceme	er Auth ade of reinfo ent - All work	ority prced ceme	nt concrete	, excluding	the cost of	
22	Providing and laying in centering, shuttering, fin sand :3 graded stone a	n position s hishing and ggregate 20	ala Wat pecified gra reinforceme	er Auth ade of reinfo ent - All work al size	ority prced ceme c up to plinth	nt concrete n level:1:1:5	, excluding 3 (1 cement	the cost of	
22	Providing and laying in centering, shuttering, fin sand :3 graded stone a	n position s hishing and ggregate 20	ala Wat pecified gra reinforceme mm nomina	er Auth ade of reinfo ent - All work al size	ority prced ceme c up to plinth	nt concrete n level:1:1:5	, excluding 3 (1 cement	the cost of	
22	Providing and laying in centering, shuttering, fin sand :3 graded stone a	n position s hishing and ggregate 20 postruction	ala Wat pecified gra reinforceme mm nomina of valve char	er Auth ade of reinfo ent - All work al size mber of size	ority prced ceme a up to plinth 1.50x1.50x	nt concrete n level:1:1:5	, excluding 3 (1 cement os	the cost of	
22	Providing and laying in centering, shuttering, fin sand :3 graded stone a Co Cover slab Side wall of valve	n position s nishing and ggregate 20 postruction 3	ala Wat pecified gra reinforceme mm nomina of valve chan 2.100	er Auth ade of reinfo ent - All work al size mber of size 2.100	orced ceme a up to plinth 1.50x1.50x 0.200 1.200	nt concrete n level:1:1:5	e, excluding 3 (1 cement os 2.647 5.185	the cost of t 1.5 coarse	
22	Providing and laying in centering, shuttering, fin sand :3 graded stone a Co Cover slab Side wall of valve	n position s nishing and ggregate 20 postruction 3	ala Wat pecified gra reinforceme mm nomina of valve chan 2.100	er Auth ade of reinfo ent - All work al size mber of size 2.100 0.200	orced ceme a up to plinth 1.50x1.50x 0.200 1.200 To	nt concrete level:1:1:5: 1.20m -3 N	e, excluding 3 (1 cement os 2.647 5.185 7.832 cum	the cost of t 1.5 coarse	
22	Providing and laying in centering, shuttering, fin sand :3 graded stone a Co Cover slab Side wall of valve	n position s nishing and ggregate 20 postruction 3	ala Wat pecified gra reinforceme mm nomina of valve chan 2.100	er Auth ade of reinfo ent - All work al size mber of size 2.100 0.200	orced ceme a up to plinth 1.50x1.50x 0.200 1.200 To To	nt concrete level:1:1:5: 1.20m -3 N	e, excluding 3 (1 cement os 2.647 5.185 7.832 cum 0.000 cum	the cost of t 1.5 coarse	
22	Providing and laying in centering, shuttering, fin sand :3 graded stone a Co Cover slab Side wall of valve	n position s nishing and ggregate 20 postruction 3	ala Wat pecified gra reinforceme mm nomina of valve char 2.100 7.200	er Auth ade of reinfo ent - All work al size mber of size 2.100 0.200	orced ceme a up to plinth 1.50x1.50x 0.200 1.200 To To Total Deduct Net To	nt concrete level:1:1:5: 1.20m -3 N tal Quantity ed Quantity	e, excluding 3 (1 cement os 2.647 5.185 7.832 cum 0.000 cum 7.832 cum	the cost of t 1.5 coarse	
22	Providing and laying in centering, shuttering, fin sand :3 graded stone a Co Cover slab Side wall of valve	r R.C.C wo	ala Wat pecified gra reinforceme mm nomina of valve char 2.100 7.200 Sork including	er Auth ade of reinfo ent - All work al size mber of size 2.100 0.200 T aay 7.832 cu	orced ceme a up to plinth a 1.50x1.50x 0.200 1.200 To To total Deduct Net To m @ Rs 944 ing, cutting	tal Quantity tal Quantity 83.15 / cum	, excluding 3 (1 cement os 2.647 5.185 7.832 cum 0.000 cum 7.832 cum Rs 74 2	the cost of t 1.5 coarse	
	Providing and laying in centering, shuttering, fin sand :3 graded stone a Co Cover slab Side wall of valve chamber 5.22.2 Steel reinforcement fo	r R.C.C wo	ala Wat pecified gra reinforceme mm nomina of valve char 2.100 7.200 Sork including	er Auth ade of reinfo ent - All work al size mber of size 2.100 0.200 T aay 7.832 cu	orced ceme a up to plinth a 1.50x1.50x 0.200 1.200 To To total Deduct Net To m @ Rs 944 ing, cutting	tal Quantity tal Quantity 83.15 / cum	, excluding 3 (1 cement os 2.647 5.185 7.832 cum 0.000 cum 7.832 cum Rs 74 2	the cost of t 1.5 coarse	
	Providing and laying in centering, shuttering, fin sand :3 graded stone a Co Cover slab Side wall of valve chamber 5.22.2 Steel reinforcement fo binding all complete u	r R.C.C wo	ala Wat pecified gra reinforceme mm nomina of valve char 2.100 7.200 7.200 S ork including evelHard dr	er Auth ade of reinfo ent - All work al size mber of size 2.100 0.200 T aay 7.832 cu	orced ceme a up to plinth a 1.50x1.50x 0.200 1.200 To Total Deduct Net To m @ Rs 944 ing, cutting vire	nt concrete level:1:1:5: (1.20m -3 N (1.20m -3 N) (1.20m -3 N (1.20m -3 N) (1.20m -3 N) (1.20	e, excluding 3 (1 cement os 2.647 5.185 7.832 cum 0.000 cum 7.832 cum Rs 74 placing in p	the cost of t 1.5 coarse	

	Net Total Quantity 783.200 kilogram Say 783.200 kilogram @ Rs 105.23 / kilogram Rs 82416.14											
			Say 783.20	0 kilogram	@ Rs 105.2	3 / kilogram	Rs 82	416.14				
24	5.9.2 Centering and shutterin attached pilasters, butt		-			for:Walls (a	ny thicknes	s) including				
	С	onstruction	of valve cha	mber of size	e 1.50x1.50x	(1.20m -3 N	os					
	Side wall	3*4	1.500	1.500			27.000					
	Cover slab	3	1.500	1.500			6.750					
					То	tal Quantity	33.750 sq	n				
				Т	otal Deduct	ed Quantity	0.000 sqm					
			Ca	2	Net To	tal Quantity	33.750 sqn	า				
			s	ay 33.750 s	qm @ Rs 74	48.62 / sqm	Rs 25	265.93				
25	13.1.1 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)											
	C	onstruction o	of valve cha	mber of size	e 1.50x1.50x	(1.20m -3 N	os					
		3	9.450	Carl	2 July	2	28.350					
		A.C.			То	tal Quantity	28.350 sq	n				
			New Bank			ed Quantity						
		Kera	ala Wat	er Auth	OTINet To	tal Quantity	28.350 sqn	n				
		D		ay 28.350 s	qm @ Rs 3	27.85 / sqm	Rs 92	294.55				
26	4.1.3											
	Providing and laying in shuttering - All work up nominal size)	-		-	-	-		-				
			Construe	ction of anch	or block							
	Anchor block	10	1.000	1.000	1.000		10.000					
					То	tal Quantity	10.000 cu	n				
				Т	otal Deduct	ed Quantity	0.000 cum					
					Net To	tal Quantity	10.000 cun	n				
			Sa	iy 10.000 cu	m @ Rs 834	40.93 / cum	Rs 83	409.30				
27	5.9.1 Centering and shutterin columns, etc for mass		strutting, et	c. and remo	oval of form	for:Foundat	ions, footing	gs, bases of				
			Construe	ction of anch	nor block							
	For anchor block	10*4	1.000	1.000			40.000					

					То	tal Quantity	40.000 sqr	n			
				Т	otal Deduct	ed Quantity	0.000 sqm				
					Net To	tal Quantity	40.000 sqm	ı			
			S	Say 40.000 s	sqm @ Rs 3	50.00 / sqm	Rs 14	000.00			
SI No	Description	No	L	В	D	CF	Quantity	Remark			
5Append	dix A - (3) - Supply and I		-		-	-	ukki kavala	(balance			
	work re-ar	ranging)- (a	a) Cost of m	naterials	(Cost Inde	x:41.53 %)					
1	100.98.118 Supply of DI K9 Pipe C	onformina to	o IS 8329/20)00. 250mm	Dia.						
		1	1165.000				1165.000				
		1	23.000	0			23.000				
			JAN	19	То	tal Quantity		metre			
	Total Quantity 1188.000 metre Total Deducted Quantity 0.000 metre										
	Net Total Quantity 1188.000 metre Say 1188.000 metre @ Rs 3616.52 / metre Rs 4296425.76										
2	od41949/2020_2021 Supply DI specials,Tee	s,Bends,Co	Ka	100	2	Ļ					
	250mm 90 degree bend	4 Kore	ala Wat	or Auth	ority	0.48	1.920				
	250mm 45 degree bend					0.36	1.440				
	250mm 22.5 degree bend	4				0.32	1.280				
	250mm 11.25 degree bend	4				0.3	1.200				
	250mmx200mm TEE	1				0.5	0.500				
	250mmx80mm TEE	3				0.37	1.110				
					То	tal Quantity	7.450 quin	tal			
				Т	otal Deduct	ed Quantity	0.000 quint	al			
					Net To	tal Quantity	7.450 quint	al			
			Say 7.4	150 quintal (@ Rs 20384	.00 / quintal	Rs 151	860.80			
3	100.98.461 Supply of CI Double Fla Size 200mm.	anged Sluic	e Valve Cor	nforming to I	S 14846 - 2	000, Sluice	Valve with (Cap PN 1.6,			
	200mm valve for scour arrangements	1					1.000				

		Total Quantity										
				Т	otal Deduct	ed Quantity	0.000 No					
					Net To	tal Quantity	1.000 No					
				Say 1.000 N	lo @ Rs 23	723.65 / No	Rs 23	723.65				
4	100.98.462 Supply of CI Double FI Size 250mm.	anged Sluic	e Valve Con	forming to I	S 14846 - 2	000, Sluice	Valve with (Cap PN 1.6,				
		3					3.000					
					То	tal Quantity	3.000 No					
				т	otal Deduct	ed Quantity	0.000 No					
	Net Total Quantity 3.000 No											
	Say 3.000 No @ Rs 34361.80 / No Rs 103085.40											
5	100.98.440 Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S 3											
			US		То	tal Quantity						
						ed Quantity						
				1021								
		Ker	ala Wate	- Auth		tal Quantity		040.05				
SI No	Description	No		в		636.75 / No _{CF}	Quantity	910.25 Remark				
	ix A - (3) - Supply and	Laying 250	mm DI pum) Working d	ping main f	rom Nariya							
1	100.1.1 Excavating trenches of required width for pipes, cables, etc including excavation for sockets, an dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, an then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidatingeac deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within lead of 50 m : All kinds of soil (Ref. Item No. 2.10.1 of DSR)											
			All clas	sses of soil	- 75%							
	1 1165.000 0.900 1.200 0.75 943.651											
					То	tal Quantity	943.651 cu	ım				
				т	otal Deduct	ed Quantity	0.000 cum					
					Net To	tal Quantity	943.651 cu	m				
			Sa	y 943.651 c	um @ Rs 5	79.85 / cum	Rs 547	176.03				

2	100.1.5 Excavating trenches of dressing of sides, ramit then returning the soil deposited layer by rami lead of 50 m :" Ordinary Rock. (Ref. Item No. 2.13.1 of	ming of bott as required ming, water	oms, depth i , in layers no	up to 1.5 m t exceedin	n, including ng 20 cm in	getting out t depth, inclue	he excavate ding consoli	ed soil, and datingeach
			Ordin	ary Rock -	15%			
		1	1165.000	0.900	1.200	0.15	188.730	
					То	tal Quantity	188.730 cu	ım
			1	0	Total Deduct	ed Quantity	0.000 cum	
				AL	Net To	otal Quantity	188.730 cu	m
			Say	/ 188.730 c	cum @ Rs 8	42.10 / cum	Rs 158	929.53
3	100.2.2 Excavation work by me drains (not exceeding bottoms, lift up to 1.5 n as directed, within a lea Medium Rock (blasting New Data derived from	1.5 m in w n, including ad of 50 m. prohibited)	idth or 10 m getting out th 9.3	2 on plan) ne excavat	, including ed soil and	dressing of	sides and i	amming of
		IXUI (Med	ium Rock -	6% ¹¹			
		1	1165.000	0.900	1.200	0.06	75.492	
					То	tal Quantity	75.492 cur	n
				Т	Total Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	75.492 cum	1
			Say	/ 75.492 cu	ım @ Rs 11	06.34 / cum	Rs 83	519.82
4	2.7.3 Earth work in excavat (exceeding 30 cm in d earth, lead up to 50 m (blasting prohibited	epth, 1.5 m	in width as	well as 10	sqm on pla	n) including	disposal of	excavated
			Ha	rd Rock - 2	2%			
		1	1165.000	0.900	1.200	0.02	25.164	
					То	tal Quantity	25.164 cur	n
				1	Total Deduct	ed Quantity	0.000 cum	
					Net To	otal Quantity	25.164 cum	ı
			Say	/ 25.164 cu	ım @ Rs 12	48.58 / cum	Rs 314	419.27

5	100.4.1 Excavating in hard ro measurements and o 1.50m(intial depth 0 m avoid damages to nea (Ref. Item No. 1004 A c	lisposing u to 1.50m) a rby structure	nserviceable and providing	e materials	s within the by earth fill	e intial leac ed cement	l of 50m ar bags during	nd lift upto
		1	1165.000	0.900	1.200	0.02	25.164	
					То	tal Quantity	25.164 cun	n
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	25.164 cum	1
	Say 25.164 cum @ Rs 4093.40 / cum Rs 103006.32							
6	50.2.25.1 Filling with contractor's not exceeding 20 cm in 50 m and lift up to 1.5	n depth, cor	solidating ea	ach deposit	ed layer by			
		1	10.000	$\lambda \lambda$	431		10.000	
		1B	DAS	22	То	tal Quantity	10.000 cun	n
				Т	otal Deduct	ed Quantity	0.000 cum	
		~	A CLARE	a of the	Net To	tal Quantity	10.000 cum	1
		Ker	ala Wa ^{sa}	ay 10.000 c	um @ Rs 54	48.85 / cum	Rs 54	88.50
7	100.8.1 Fencing one side of t casuarina pole (girth (Data Prepared based	15cm to 24	cm) fixed at	2 m interv		em plastic c	aution tape	in vertical
		1	800.000				800.000	
		I			То	tal Quantity	800.000 m	etre
				Т	otal Deduct	ed Quantity	0.000 metre	9
					Net To	tal Quantity	800.000 me	etre
			Say 8	300.000 me	tre @ Rs 28	3.82 / metre	Rs 230	056.00
8								
	100.14.4 Conveying and laying excluding cost of pipe 250 mm dia Ductile Iron Data derived from 18.7	es and spe n Class K-9	cials : Pipes	st (Spun) /	/ Ductile Iro	on Pipes co	onforming t	o IS: 8329
	Conveying and laying excluding cost of pipe 250 mm dia Ductile Iron	es and spe n Class K-9	cials : Pipes	st (Spun) /	/ Ductile Iro	on Pipes co	onforming t 1165.000	o IS: 8329
	Conveying and laying excluding cost of pipe 250 mm dia Ductile Iron	es and spe n Class K-9 2.18 in DAR	cials : Pipes	st (Spun) /		on Pipes co	1165.000	
	Conveying and laying excluding cost of pipe 250 mm dia Ductile Iron	es and spe n Class K-9 2.18 in DAR	cials : Pipes		То	tal Quantity	1165.000	netre

					Net To	tal Quantity	1165.000 m	netre
			Say 11	65.000 meti	re @ Rs 170	0.19 / metre	Rs 198	271.35
9	18.70.4 Providing push - on-joir joints and including the		••••	,	•	uctile Iron P	ipes includin	g testing of
		230					230.000	
					То	tal Quantity	230.000 jo	int
				т	otal Deduct	ed Quantity	0.000 joint	
					Net To	tal Quantity	230.000 joi	nt
			Sa	y 230.000 je	oint @ Rs 3	29.84 / joint	Rs 75	863.20
10	18.30.6 Providing flanged joints diameter pipe	s to double f	langed C.I./	D.I pipes a	nd specials	, including t	esting of joir	nts:250 mm
		25	20	k K	20		25.000	
		11	120	RXA	То	tal Quantity	25.000 No:	S
		155	US	the state	otal Deduct	ed Quantity	0.000 Nos	
				22/34	Net To	tal Quantity	25.000 Nos	
			S	ay 25.000 N	Nos @ Rs 5	95.56 / Nos	Rs 14	889.00
11	18.83.6 Labour for cutting C.I. p		ala Wat el saw.250 r			_		
		15	2			•	15.000	
					То	tal Quantity	15.000 Ead	ch Cut
				т	otal Deduct	ed Quantity	0.000 Each	Cut
					Net To	tal Quantity	15.000 Eac	h Cut
			Say 15.000	Each Cut @	🛛 Rs 559.11	/ Each Cut	Rs 83	86.65
12	100.35.4 Testing 250mm DI/CI p 250 mm dia Observed Data derived				uired test p	ressure .		
		1	1165.000				1165.000	
					То	tal Quantity	1165.000 r	netre
				Т	otal Deduct	ed Quantity	0.000 metre	e
					Net To	tal Quantity	1165.000 m	netre
			Say 1	165.000 me	etre @ Rs 52	2.99 / metre	Rs 617	733.35
13	100.31.1.5 "Conveying and fixing	C.I. sluice	e valves (wi	th cap) by	providing (complete w	ith bolts, n	uts, rubber

	insertions etc. excluding 200 mm diameter. Clas Data derived from item	s I"	·	ail pieces if	required will	l be paid ser	parately) :	
	200 mm valve for scour arrangements	1					1.000	
					То	tal Quantity	1.000 Nos	
				Т	otal Deduct	ed Quantity	0.000 Nos	
					Net To	tal Quantity	1.000 Nos	
			5	Say 1.000 N	os @ Rs 16	25.90 / Nos	Rs 16	625.90
14	100.31.1.6 "Conveying and fixing insertions etc. exclud 250 mm diameter. Clas Data derived from item	ing the cos s I"	t of valve (
		3	XZ	S. N	213		3.000	
		(K)	120	RXA.	То	tal Quantity	3.000 Nos	
		152	12a	T	otal Deduct	ed Quantity	0.000 Nos	
		ALC:			Net To	tal Quantity	3.000 Nos	
			5	Say 3.000 N	os @ Rs 23	04.82 / Nos	Rs 69	014.46
15	100.32.1 Conveying and fixing C excluding the cost of ai 25 mm Single acting Ai Observed Data derived	I Single act r valve(the t r Valve	ing Air Valv ail pieces if	required wil	ed quality w	1	s,rubber ins	ertions etc .
		3					3.000	
					To	tal Quantity	3.000 Nos	
				Т	otal Deduct	ed Quantity	0.000 Nos	
					Net To	tal Quantity	3.000 Nos	
				Say 3.000 N	Nos @ Rs 1	46.63 / Nos	Rs 4	39.89
16	18.24 Laying in position S & excluding cost of spec	-	ed C.I. spe	cial such as	s tees, benc	ds, collars,	tapers and	caps etc. (
	250 mm 90 degree DI bend	4				0.48	1.920	
	250 mm 45 degree DI bend	4				0.36	1.440	

			1	l.	1	1	1	
	250 mm 22.5 degree DI bend	4				0.32	1.280	
	250 mm 11.25 degree DI bend	4				0.3	1.200	
	250x200mm TEE	1				0.5	0.500	
	250x80mm TEE	3				0.37	1.110	
					То	tal Quantity	7.450 quin	tal
				Т	otal Deduct	ed Quantity	0.000 quint	al
					Net To	tal Quantity	7.450 quint	al
			Say	7.450 quinta	al @ Rs 603	.91 / quintal	Rs 44	99.13
17	18.67.1 Providing and laying S 300 mm dia	& S C.I. Sta	andard spec	cials suitable	e for mecha	nical jointing	g as per IS	13382:Upto
	250mm MJ collar	4	X 2	S. 74	2	0.36	1.440	
		(L)	1200	a ka	То	tal Quantity	1.440 quin	tal
		155	L'à	I	otal Deduct	ed Quantity	0.000 quint	al
	3	1960		22/31	Net To	tal Quantity	1.440 quint	al
			Say 1.4	40 quintal @	@ Rs 14708	.65 / quintal	Rs 21	180.46
18	2.8.1 Earth work in excavat trenches or drains (no ramming of bottoms, li excavated soil as dire	ion by mec t exceeding ift up to 1.5	1.5 m in w m, includir	ans (Hydra vidth or 10 s ng getting o	ulic excava sqm on plar ut the exca	n), including	dressing o	f sides and
		Constructio	on of valve o	hamber of s	size 1.5x1.5	x1.2 -3 Nos		
	50% Hard soil	3	2.200	2.200	1.500	0.5	10.891	
					То	tal Quantity	10.891 cur	n
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	10.891 cum	ı
			S	ay 10.891 c	um @ Rs 3	09.95 / cum	Rs 33	575.67
19	2.9.1 Excavation work by me drains (not exceeding bottoms, lift up to 1.5 n as directed, within a lea	1.5 m in wi n, including	dth or 10 so getting out	qm on plan) the excavat), including	dressing of	sides and	ramming of
		Constructio	on of valve o	hamber of s	size 1.5x1.5	x1.2 -3 Nos		
	50% O R	3	2.200	2.200	1.500	0.5	10.891	

					Тс	tal Quantity	10.891 cur	n
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	10.891 cum	1
			S	ay 10.891 c	um @ Rs 5	50.62 / cum	Rs 59	96.80
20	4.1.6 Providing and laying in shuttering - All work up nominal size)	•		•	-	-		-
		Constructio	on of valve o	hamber of s	size 1.5x1.5	x1.2 -3 Nos		
		3	2.200	2.200	0.100		1.453	
			R	9	Тс	tal Quantity	1.453 cum	
			A	П	otal Deduct	ed Quantity	0.000 cum	
	Net Total Quantity 1.453 cum							
		619	S	ay 1.453 cu	ım @ Rs 75	27.06 / cum	Rs 10	936.82
21	5.1.2 Providing and laying in centering, shuttering, fi sand :3 graded stone a	nishing and Iggregate 20	reinforceme	ent - All work al size	k up to plinth	n level:1:1:5:	-	
		TZ	la Wat	or Auth	size 1.5x1.5x	x1.2 -3 Nos		
		<u></u> gera	11 ² 7.200 ^{al}	0.200	1.200		5.185	
		Constructio	on of valve c	hamber of s	size 1.5x1.5	x1.2 -3 Nos		
	Cover slab	3	2.100	2.100	0.200		2.647	
					Тс	otal Quantity	7.832 cum	
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	otal Quantity	7.832 cum	
			S	ay 7.832 cu	ım @ Rs 94	83.15 / cum	Rs 742	272.03
22	5.9.2 Centering and shutterin attached pilasters, butt		-			for:Walls (a	ny thicknes	s) including
	С	onstruction	of valve cha	mber of size	e 1.50x1.50>	(1.20m -3 N	os	
	Side wall	3*4	1.500	1.500			27.000	
	Cover slab	3	1.500	1.500			6.750	
					Тс	tal Quantity	33.750 sqr	n
				Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	33.750 sqm	<u>۱</u>

			S	ay 33.750 s	qm @ Rs 7	48.62 / sqm	Rs 25	265.93
23	5.22.2 Steel reinforcement fo binding all complete u		-			, bending, p	placing in p	osition and
	For valve chamber	1	783.200				783.200	
					То	tal Quantity	783.200 ki	logram
				Т	otal Deduct	ed Quantity	0.000 kilog	ram
					Net To	tal Quantity	783.200 kil	ogram
			Say 783.20	0 kilogram	@ Rs 105.2	3 / kilogram	Rs 82	416.14
24	13.1.1 12 mm cement plaster of	of mix:1:4(1 cement : 4	fine sand)				
	Co	onstruction of	of valve cha	mber of size	1.50x1.50x	(1.20m -3 No	DS	
		3	9.450		2		28.350	
		619	N. A	S.A	То	tal Quantity	28.350 sqr	n
		15		T	otal Deduct	ed Quantity	0.000 sqm	
		101	Ka	LAY.	Net To	tal Quantity	28.350 sqn	۱ <u> </u>
		1	S	ay 28.350 s	qm @ Rs 3	27.85 / sqm	Rs 92	94.55
25	4.1.3 Providing and laying in shuttering - All work up nominal size)	- ITOIC				-		-
			Construc	ction of anch	or block		I	
	Anchor block	5	1.000	1.000	1.000		5.000	
					То	tal Quantity	5.000 cum	
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	5.000 cum	
			S	ay 5.000 cu	m @ Rs 83	40.93 / cum	Rs 41	704.65
26	5.9.1 Centering and shutterin columns, etc for mass o		strutting, et	c. and remo	val of form	for:Foundati	ions, footing	ls, bases of
			Construc	ction of anch	or block			
	For anchor block	5*4	1.000	1.000	1.000		20.000	
					То	tal Quantity	20.000 sqr	n
				Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	20.000 sqn	1

			S	ay 20.000 s	sqm @ Rs 3	50.00 / sqm	Rs 70	00.00
SI No	Description	No	L	В	D	CF	Quantity	Remark
7Арре	ndix B - (1) - Improvem	ents at Ka	-			nting and p	roviding toi	let etc.
			(Cost Inc	dex:41.53 %	6)			
1	2.31 Clearing jungle includin to 30 cm measured at a m outside the periphery	a height of	1 m above g					• •
	Clearing and levelling the site	1	8.000	5.000	1.000		40.000	
					Тс	otal Quantity	40.000 sqr	n
			R		Fotal Deduct	ted Quantity	0.000 sqm	
					Net To	otal Quantity	40.000 sqm	ı
		1	83.0	Say 40.000	sqm @ Rs	15.43 / sqm	Rs 6	17.20
2	2.8.1 Earth work in excavati trenches or drains (not ramming of bottoms, li excavated soil as direc	exceeding ft up to 1.5	1.5 m in w m, includir	ridth or 10 s	sqm on plar out the exca	n), including	dressing o	f sides and
	Excavation for foundation of toilet	1 Kera	8.800 ala Wat	0.800 er Auth	0.700 011ty		4.928	
	For septic tank		4.400	2.400	2.000		21.120	
	For soak pit	1	1.900	1.900	1.800	1	6.498	
	For ramp	1	1.900	1.900	0.600		2.166	
	For column	4	1.500	1.500	0.700		6.300	
					Тс	otal Quantity	41.012 cur	n
				٦	Fotal Deduct	ted Quantity	0.000 cum	
					Net To	otal Quantity	41.012 cum	ı
			S	ay 41.012 c	cum @ Rs 3	09.95 / cum	Rs 12	711.67
3	15.7.4 Demolishing brick work disposal of unservicea cement mortar	•	-		-	-		
	Demolishing work	1	1.000	0.200	2.500		0.500	
					Тс	otal Quantity	0.500 cum	
				1	Fotal Deduct	ted Quantity	0.000 cum	
					Net To	otal Quantity	0.500 cum	

			S	ay 0.500 cu	m @ Rs 18	05.99 / cum	Rs 9	03.00	
4	15.2.1 Demolishing cement co metres lead as per dire design mix)								
	RCC demolishing work	1	1.000	1.500	0.150		0.225		
					То	tal Quantity	0.225 cum		
				Т	otal Deduct	ed Quantity	0.000 cum		
					Net To	tal Quantity	0.225 cum		
	Say 0.225 cum @ Rs 2134.72 / cum Rs 480.31								
	concrete 1:6:12 (1 cem level with:Cement mort				ne aggrega 0.600	te 20 mm no	ominal size) 3.168	up to pl	
	For basement of toilet	1	8.800	0.450	0.4500	1	1.783		
	Foundation for ramp	1	1.400	1.400	0.300	5	0.588		
						tal Quantity	5.539 cum		
		Ker	er Auth	_					
						tal Quantity			
		P	s	ay 5.539 cu	m @ Rs 75	20,41 / cum	Rs 41	655.55	
6	4.1.5								
	Providing and laying in shuttering - All work up nominal size) Base for columns	•	vel:1:3:6 (1 o	1.500	oarse sand	0	stone aggreg	•	
	Providing and laying in shuttering - All work up nominal size)	to plinth lev	vel:1:3:6 (1 o	cement : 3 c	0.200 0.200	: 6 graded s	stone aggreg 1.800 0.392	gate 20 r	
	Providing and laying in shuttering - All work up nominal size) Base for columns	to plinth lev	vel:1:3:6 (1 o	1.500 1.400	oarse sand 0.200 0.200 To	: 6 graded s	tone aggreg 1.800 0.392 2.192 cum	gate 20 r	
	Providing and laying in shuttering - All work up nominal size) Base for columns	to plinth lev	vel:1:3:6 (1 o	1.500 1.400	0.200 0.200 0.200 To To	: 6 graded s tal Quantity ed Quantity	1.800 0.392 2.192 cum 0.000 cum	gate 20 r	
	Providing and laying in shuttering - All work up nominal size) Base for columns	to plinth lev	vel:1:3:6 (1 o	tement : 3 c 1.500 1.400 T	oarse sand 0.200 0.200 To To otal Deduct Net To	: 6 graded s tal Quantity ed Quantity tal Quantity	1.800 0.392 2.192 cum 0.000 cum 2.192 cum	gate 20 r	
7	Providing and laying in shuttering - All work up nominal size) Base for columns	ing pre cas	vel:1:3:6 (1 o 1.500 1.400 S t solid block of 1979 for	cement : 3 c 1.500 1.400 T Say 2.192 cu s (Factory n super struc	oarse sand 0.200 0.200 To fotal Deduct Net To m @ Rs 76 made) of size	: 6 graded s tal Quantity ed Quantity tal Quantity 90.32 / cum e 40x20x200 floor two le	1.800 0.392 2.192 cum 0.000 cum 2.192 cum Rs 16 cm or neare evel up to fl	gate 20 n	

	Step	1	1.200	0.600	0.150		0.108				
		1	1.200	0.300	0.150		0.054				
	Ventilator	0.8	0.200	0.400			-0.064				
	Door of toilet	1	0.800	0.200	1.800		-0.288				
	Lintel	1	8.800	0.200	0.200		-0.352				
					Тс	otal Quantity	5.443 cum				
				Т	otal Deduct	ed Quantity	-0.704 cum				
					Net To	tal Quantity	4.739 cum				
	Say 4.739 cum @ Rs 7784.73 / cum Rs 36891.84										
	Providing and fixing 1 r gusset plates at the jun coat of approved steel	ctions and primer.Usi	l corners, all	l necessary	fittings com	plete, includ	ding applyin	g a prim			
		1	0.000	1.000	13-						
		15	1DE		10	otal Quantity					
	Total Deducted Quantity 0.000 sqm										
	Net Total Quantity 1.441 sqm										
								74.40			
0	512	Ker		Say 1.441 sq	m @ Rs 52			574.40			
9	5.1.3 Providing and laying in centering, shuttering, fir sand : 4 graded stone a	position and	ala Wat specified gra d reinforcem	er Auth ade of reinfo ent - All wor	m @ Rs 52 IOrity prced ceme	56.35 / sqm	Rs 75	the cos			
9	Providing and laying in centering, shuttering, fir	position and	ala Wat specified gra d reinforcem	er Auth ade of reinfo ent - All wor	m @ Rs 52 IOrity prced ceme	56.35 / sqm	Rs 75	the cos			
9	Providing and laying in centering, shuttering, fir sand : 4 graded stone a	position s nishing and nggregate	ala Wat specified gra d reinforcem 20 mm nomi	er Auth ade of reinfo ent - All wor inal size)	m @ Rs 52 Ority Orćed ceme k up to plin	56.35 / sqm	Rs 75 , excluding 4 (1 cemen	the cos			
9	Providing and laying in centering, shuttering, fir sand : 4 graded stone a Columns footing	position s hishing and aggregate 1	ala Wat specified gra d reinforcem 20 mm nomi 1.300	er Auth ade of reinfo ent - All wor inal size) 1.300	m @ Rs 52 Ority Orced ceme k up to plin 0.300	56.35 / sqm	Rs 75 , excluding 4 (1 cemen 0.507	the cos			
9	Providing and laying in centering, shuttering, fir sand : 4 graded stone a Columns footing Column Footing of ramp	position s hishing and hggregate 1 1	ala Wat specified gra d reinforcem 20 mm nomi 1.300 0.250	er Auth ade of reinfo ent - All wor inal size) 1.300 0.2500	m @ Rs 52 Ority Orced ceme k up to plin 0.300 0.200	56.35 / sqm	Rs 75 , excluding 4 (1 cemen 0.507 0.013	the cos			
9	Providing and laying in centering, shuttering, fir sand : 4 graded stone a Columns footing Column Footing of ramp starting portion	position s hishing and hggregate 1 1 1	ala Wat specified gra d reinforcem 20 mm nomi 1.300 0.250 1.000	er Auth ade of reinfo ent - All wor inal size) 1.300 0.2500 1.400	m @ Rs 52 Ority Orced ceme k up to plin 0.300 0.200 0.200 0.005	56.35 / sqm	Rs 75 , excluding 4 (1 cemen 0.507 0.013 0.280 0.014	the cos t : 2 coa			
9	Providing and laying in centering, shuttering, fir sand : 4 graded stone a Columns footing Column Footing of ramp starting portion	position s hishing and hggregate 1 1 1	ala Wat specified gra d reinforcem 20 mm nomi 1.300 0.250 1.000	er Auth ade of reinfo ent - All wor nal size) 1.300 0.2500 1.400 0.450	m @ Rs 52 Ority Orced ceme k up to plin 0.300 0.200 0.200 0.200 Tc	56.35 / sqm	Rs 75 , excluding 4 (1 cemen 0.507 0.013 0.280 0.014 0.814 cum	the cos t : 2 coa			
9	Providing and laying in centering, shuttering, fir sand : 4 graded stone a Columns footing Column Footing of ramp starting portion	position s hishing and hggregate 1 1 1	ala Wat specified gra d reinforcem 20 mm nomi 1.300 0.250 1.000	er Auth ade of reinfo ent - All wor nal size) 1.300 0.2500 1.400 0.450	m @ Rs 52 Ority Orced ceme k up to plin 0.300 0.200 0.200 0.005 To Total Deduct	56.35 / sqm	Rs 75 , excluding 4 (1 cemen 0.507 0.013 0.280 0.014 0.814 cum 0.000 cum	the cos t : 2 coa			
9	Providing and laying in centering, shuttering, fir sand : 4 graded stone a Columns footing Column Footing of ramp starting portion	position s hishing and hggregate 1 1 1	ala Wat specified gra d reinforcem 20 mm nomi 1.300 0.250 1.000 1.45*4	er Auth ade of reinfo ent - All wor nal size) 1.300 0.2500 1.400 0.450	m @ Rs 52 Ority Orced ceme k up to plin 0.300 0.200 0.200 0.005 To Total Deduct Net To	56.35 / sqm ent concrete th level:1:2:- otal Quantity eed Quantity tal Quantity	Rs 75 , excluding 4 (1 cemen 0.507 0.013 0.280 0.014 0.814 cum 0.000 cum 0.814 cum	the cos t : 2 coa			

	Lintel for latrine	1	8.800	0.200	0.150		0.264			
	Roof slab for latrine	1	3.200	2.200	0.100		0.705			
	Waist slab for ramp	1	3+1+3+1	1.500	0.150		1.800			
	Longitudinal beam for waist slab	2	8.000	0.250	0.300		1.200			
	cross beam for waist slab	2	1.000	0.250	0.250		0.125			
	column	2	0.250	0.2500	3.000		0.375			
		2	0.250	0.250	1.500		0.188			
					Tot	al Quantity	4.657 cum			
			Con	S I	Total Deducte	ed Quantity	0.000 cum			
			21	n	Net Tot	al Quantity	4.657 cum			
	Say 4.657 cum @ Rs 11433.93 / cum Rs 53247.81									
	Qty same above 0.534+4.657	1	5.471		110.000		601.811			
	0.534+4.657		5.471	in of 22/	110.000		001.011			
		Kera	ala Wat	er Auth	ority	al Quantity		•		
					Total Deducte					
						/	601.811 kild	ogram		
			Say 001.01	T KIIOgraffi	@ Rs 102.61	H Kilograffi	KS OI	754 02		
12	5.9.1 Centering and shutterin columns, etc for mass o		strutting, et	c. and remo	oval of form f	or:Foundat	ions, footing	7 51.83 s, base		
12	Centering and shutterin		strutting, etc 4*1.3	c. and remo	oval of form f	or:Foundat	ions, footing 6.240			
12	Centering and shutterin columns, etc for mass c	concrete	-	c. and remo		ör:Foundat	-			
12	Centering and shutterin columns, etc for mass c	concrete 4	4*1.3	c. and remo	0.300	ör:Foundat	6.240			
12	Centering and shutterin columns, etc for mass of Column footing	4 4	4*1.3 4*0.25	c. and remo	0.300 0.200 0.200	or:Foundat	6.240 0.800 0.960	s, base		
12	Centering and shutterin columns, etc for mass of Column footing	4 4	4*1.3 4*0.25		0.300 0.200 0.200	al Quantity	6.240 0.800 0.960 8.000 sqm	s, base		
12	Centering and shutterin columns, etc for mass of Column footing	4 4	4*1.3 4*0.25		0.300 0.200 0.200 Tot	al Quantity	6.240 0.800 0.960 8.000 sqm	s, base		
12	Centering and shutterin columns, etc for mass of Column footing	4 4	4*1.3 4*0.25 4.800	T	0.300 0.200 0.200 Tot	al Quantity ed Quantity al Quantity	6.240 0.800 0.960 8.000 sqm 0.000 sqm 8.000 sqm	s, base		

	Slab	1	3.200	2.200			7.041	
	Side	1	10.800		0.100		1.080	
	Waist slab	1	8.000	1.500			12.000	
	Side	2	8.000	0.150			2.400	
	Cover slab for soak pit	1	1.900	1.900			3.610	
	Side for cover slabs	1	(4.4*2+2.4 *2)+(1.9*4)	0.150			3.180	
					То	tal Quantity	29.311 sqr	n
				Т	otal Deduct	ed Quantity	0.000 sqm	
			Co	3	Net To	tal Quantity	29.311 sqm	ı
			Sa	ay 29.311 s	qm @ Rs 8	51.52 / sqm	Rs 24	958.90
	Centering and shutterin girders bressumers and	-	ers	<u>MA</u>	noval of forr	n for:Lintels		nth bea
	Longitudinal beam	Lista.	8.000	0.250		-	4.000	
		2*2	8.000	0.300			9.600	
	Cross beam	2	0.600	0.250			0.300	
	Side	Ker		er Auth	010.600		1.200	
	Intel side		8.800		0.150		2.640	
						tal Quantity		n
				Т	otal Deduct	-		
							17.740 sqm	
15	5.9.6 Centering and shutter Abutments, Posts and	-		-	removal of	·	1	032.69 Iars, Pi
	Column	2	1.000		3.000		6.000	
		2	1.000		1.500		3.000	
					То	tal Quantity	9.000 sqm	
				Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	9.000 sqm	
			S	Say 9.000 s	qm @ Rs 9	01.48 / sqm	Rs 81	13.32
16	13.7.1							

	Ceiling and Top	2	3.200	2.200			14.081	
					То	tal Quantity	14.081 sqn	า
				Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	14.081 sqm	
			S	ay 14.081 s	qm @ Rs 4	18.79 / sqm	Rs 58	96.98
17	13.2.1 15 mm cement plaster of	on the roug	gh side of sing	gle or half br	ick wall of n	nix:1:4 (1 ce	ement :4 fine	sand)
	Toilet	1	9.600	2.500			24.000	
		1	8.000	2.500			20.000	
	Column	2	1.000	3.000			6.000	
		2	1.000	1.500			3.000	
	Cross beam	2	0.500	0.800			0.800	
	Waist slab	1	8.000	1.500	2.0		12.000	
		2	8.000	0.300	431		4.800	
	Deduction for door	1	0.800	1.800	S.S.	1	-1.440	
	Ventilator	1	0.800	0.400			-0.320	
			61.0	a sata		tal Quantity		า
		-Kei	rala Wat	er Auth	onty		-1.760 sqm	
		D	D	ay 68.840 s			68.840 sqm Rs 260	
18	13.44.1 Finishing walls with wat @ 3.84 kg/10 sqm)	er proofin						
	Qty same plastering (68.84+14.081)	1	68.840+14 .081				82.921	
	· · · · ·		.001					
	Sump	1	18*2		2.250		81.000	
		1			2.250 3.000		81.000 96.000	
	Sump		18*2	0.6+0.6+0. 15				
	Sump Pump house	4	18*2 8.000				96.000	
	Sump Pump house Sunshade	4	18*2 8.000 9.200	15			96.000 49.680	
	Sump Pump house Sunshade	4 4 2	18*2 8.000 9.200 10.600	15 0.2+0.15		2.25	96.000 49.680 7.420	
	Sump Pump house Sunshade Sump cover slab proj.	4 4 2 1	18*2 8.000 9.200 10.600 8.600	15 0.2+0.15	3.000	2.25	96.000 49.680 7.420 1.720	

	Door	1	0.900		2.100		-1.890	
	Shutter	1	2.000		2.100		-4.200	
					То	tal Quantity	337.642 sc	ım
				Т	otal Deduct	ed Quantity	-9.465 sqm	
					Net To	tal Quantity	328.177 sq	m
			Sa	iy 328.177 s	qm @ Rs 1 [.]	12.09 / sqm	Rs 367	785.36
19	13.48.3 Finishing with Deluxe manufacturers specific Two or more coat app approved brand and m	ations:Paint lied @ 0.90	ing Steel wo	ork with Delu	uxe Multi Su	Irface Paint	to give an e	even shade.
	Ventilator	2	0.800	0.400			0.641	
			(1)		То	tal Quantity	0.641 sqm	
		-	75	R Yr	otal Deduct	ed Quantity	0.000 sqm	
		(1)	11/18	33/2	Net To	tal Quantity	0.641 sqm	
		125	US	Say 0.641 s	qm @ Rs 1:	54.62 / sqm	Rs 9	9.11
	and / or alkali resisting 4457, complete as per (1 acid proof cement :- Floor	the direction	n of Enginee	er-in-Charge	.In flooring o		-	•
					То	tal Quantity	0.1.00	
					10		3 750 sam	
				т	otal Deduct		· · ·	
				Т	otal Deduct	ed Quantity	0.000 sqm	
			S		Net To	ed Quantity tal Quantity	0.000 sqm 3.750 sqm	88.19
21	11.21.2.1 Providing and fixing 10 and / or alkali resisting 4457, complete as per acid proof cement : 4 c	mortar bedo the direction	cid and /or a ding, and joir n of Enginee	ay 3.750 sq Ikali resistar nts filled with ər-in-Charge	Net To m @ Rs 18: nt tiles of ap n acid and /o .In dado/ sk	ed Quantity tal Quantity 36.85 / sqm proved mak	0.000 sqm 3.750 sqm Rs 68 e and colour sting cemen	r using acid t as per IS :
21	Providing and fixing 10 and / or alkali resisting 4457, complete as per	mortar bedo the direction	cid and /or a ding, and joir n of Enginee	ay 3.750 sq Ikali resistar nts filled with ər-in-Charge	Net To m @ Rs 18: nt tiles of ap n acid and /o .In dado/ sk	ed Quantity tal Quantity 36.85 / sqm proved mak	0.000 sqm 3.750 sqm Rs 68 e and colour sting cemen	r using acid t as per IS :
21	Providing and fixing 10 and / or alkali resisting 4457, complete as per acid proof cement : 4 c	mortar bedo the direction coarse sand	cid and /or a ding, and join n of Enginee)Acid and all	ay 3.750 sq Ikali resistar hts filled with er-in-Charge kali resistan	Net To m @ Rs 18: nt tiles of ap n acid and /o .In dado/ sk	ed Quantity tal Quantity 36.85 / sqm proved mak	0.000 sqm 3.750 sqm Rs 68 e and colour sting cemen mm thick m	r using acid t as per IS :
21	Providing and fixing 10 and / or alkali resisting 4457, complete as per acid proof cement : 4 c	mortar bedo the direction coarse sand	cid and /or a ding, and joir n of Enginee)Acid and all 8.000	ay 3.750 sq Ikali resistar hts filled with er-in-Charge kali resistan 2.500	Net To m @ Rs 18: nt tiles of ap n acid and /o .In dado/ sk	ed Quantity tal Quantity 36.85 / sqm proved mak	0.000 sqm 3.750 sqm Rs 68 e and colour sting cemen mm thick m 20.000	r using acid t as per IS :
21	Providing and fixing 10 and / or alkali resisting 4457, complete as per acid proof cement : 4 c	mortar bedo the direction coarse sand	cid and /or a ding, and join n of Enginee)Acid and all 8.000 1.800	ay 3.750 sq Ikali resistar hts filled with er-in-Charge kali resistan 2.500 0.800	Net To m @ Rs 183 In tiles of ap n acid and /c .In dado/ sk t tile	ed Quantity tal Quantity 36.85 / sqm proved mak	0.000 sqm 3.750 sqm Rs 68 e and colour sting cemen mm thick m 20.000 -1.440 -0.320	r using acid t as per IS : ortar 1:4 (1
21	Providing and fixing 10 and / or alkali resisting 4457, complete as per acid proof cement : 4 c	mortar bedo the direction coarse sand	cid and /or a ding, and join n of Enginee)Acid and all 8.000 1.800	ay 3.750 sq Ikali resistar nts filled with er-in-Charge kali resistan 2.500 0.800 0.800	Net To m @ Rs 183 In tiles of ap n acid and /c .In dado/ sk t tile To	ed Quantity tal Quantity 36.85 / sqm proved mak proved mak pralkali resis irting on 12 tal Quantity	0.000 sqm 3.750 sqm Rs 68 e and colour sting cemen mm thick m 20.000 -1.440 -0.320	r using acid t as per IS : ortar 1:4 (1

					Net To	tal Quantity	18.240 sqm	ı
			S	ay 18.240 sq	m @ Rs 19	75.33 / sqm	Rs 36	030.02
22	13.71							
	Lettering with black Jap	oan pint of a	pproved bra	and and man	ufacture			
		100	15.000				1500.000	
					То	tal Quantity	1500.000 l ht	_etterxcm
		ed Quantity	0.000 Lette	rxcm ht				
		1500.000 L	etterxcm ht					
		.etterxcm ht	Rs 87	00.00				
23	50.10.1 Steel work in built up G cutting, hoisting,fixing i and bolted with special	n position a	nd applying	a priming c	-			-
		11	25 mr	n GI pipe-1.9	98kg/m		1	Ι
	Hand rails horizontal	2*2	8.000	22	1.8	1.98	63.360	
	Vertical	30*2	0.750	Soll's		1.98	89.100	
			Maria Maria	un of Sector	То	tal Quantity	152.460 kg	9
		Kor	ala Wat	tor Auth	otal Deduct	ed Quantity	0.000 kg	
		KUI			Net To	tal Quantity	152.460 kg	
		P		Say 152.4	60 kg @ Rs	198.21 / kg	Rs 30	219.10
24	13.48.2 Finishing with Deluxe manufacturers specifica or more coat applied approved brand and r	ations:Paint @ 0.90 ltr/	ing wood w 10 sqm ove e	ork with Deluer an under	uxe Multi Su	Irface Paint	of required	shade. Two
	Window - w3	1	1.500	1.350			2.026	
	Window - w2	3	1.000	1.350			4.051	
	Door	1	0.900	2.100			1.891	
					То	tal Quantity	7.968 sqm	
				Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	7.968 sqm	
				Say 7.968 s	qm @ Rs 1	60.00 / sqm	Rs 12	74.88
25	14.75 Repair to plaster of thic patch in proper shape,			•		•	-	-

	polymer modified self Engineer-In-Charge.	curing mor	tar, including	gdisposal o	f rubbish, a	Il complete	as per the	direction of
		1	50.000				50.000	
			•		То	tal Quantity	50.000 sqr	n
				Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	50.000 sqm	ı
			S	ay 50.000 s	qm @ Rs 6	29.03 / sqm	Rs 31	451.50
26	od41173/2020_2021 Providing sanitary fac other plumbing works		-			tank,water	closet,wash	basin and
		1	R	9			1.000	
			1	191	То	tal Quantity	1.000 No	
		-	5.2 8	1 21	otal Deduct	ed Quantity	0.000 No	
		610	N.Z	SAK	Net To	tal Quantity	1.000 No	
		1 B	1012	Say 1.000 N	No @ Rs 46	398.41 / No	Rs 46	398.41
SI No	Description	No	L	В	D	CF	Quantity	Remark
8Appen	dix B - (1) - Improvemer	nts at Kalth	attu auma	1				
				(b) Constru lex:41.53 %		taining wall	and compo	ound wall
1	2.31 Clearing jungle includir to 30 cm measured at m outside the peripher	ng uprooting a height of	(Cost Inc d a wat g of rank veg 1 m above c	dex:41.53 % er Auth getation, gra) ISS, brush w	vood, trees a	and saplings	s of girth up
1	Clearing jungle includin to 30 cm measured at	ng uprooting a height of	(Cost Inc d a wat g of rank veg 1 m above c	dex:41.53 % er Auth getation, gra) ISS, brush w	vood, trees a	and saplings	s of girth up
1	Clearing jungle includin to 30 cm measured at	ng uprooting a height of ry of the are	(Cost Inc g of rank veg 1 m above g a cleared	dex:41.53 % getation, gra ground level	o) Iss, brush w	vood, trees a	and saplings	s of girth up
1	Clearing jungle includin to 30 cm measured at	ng uprooting a height of ry of the are 2	(Cost Inc g of rank veg 1 m above g a cleared 22.000	dex:41.53 % getation, gra ground level 5.000	and remov	vood, trees a	and saplings n up to a dis 220.000 110.000	s of girth up tance of 50
1	Clearing jungle includin to 30 cm measured at	ng uprooting a height of ry of the are 2	(Cost Inc g of rank veg 1 m above g a cleared 22.000	dex:41.53 % getation, gra ground level 5.000 5.000) ss, brush w and remov	rood, trees a al of rubbish	and saplings n up to a dis 220.000 110.000 330.000 sc	s of girth up tance of 50
1	Clearing jungle includin to 30 cm measured at	ng uprooting a height of ry of the are 2	(Cost Inc g of rank veg 1 m above g a cleared 22.000	dex:41.53 % getation, gra ground level 5.000 5.000	s) and remove To To	rood, trees a al of rubbish tal Quantity	and saplings n up to a dis 220.000 110.000 330.000 sc 0.000 sqm	s of girth up tance of 50 ๆm
1	Clearing jungle includin to 30 cm measured at	ng uprooting a height of ry of the are 2	(Cost Inc g of rank veg 1 m above g a cleared 22.000 11.000	dex:41.53 % getation, gra ground level 5.000 5.000 T	e) ass, brush w and remove To To To Total Deduct Net To	rood, trees a al of rubbish tal Quantity ed Quantity	and saplings n up to a dis 220.000 110.000 330.000 sq 330.000 sq 330.000 sq	s of girth up tance of 50
2	Clearing jungle includin to 30 cm measured at	ng uprooting a height of ry of the are 2 2 2 tion by med ot exceeding lift up to 1.5	(Cost Inc g of rank veg 1 m above g a cleared 22.000 11.000 Schanical mea g 1.5 m in w 5 m, includin	dex:41.53 % getation, gra ground level 5.000 5.000 T aay 330.000 ans (Hydrau idth or 10 s ag getting o	b)	rood, trees a al of rubbish tal Quantity ed Quantity tal Quantity 15.43 / sqm tor) /manua	and saplings a up to a dis 220.000 110.000 330.000 sqm 330.000 sq Rs 50 Il means in dressing o	s of girth up tance of 50 m 91.90 foundation f sides and
	Clearing jungle includin to 30 cm measured at m outside the peripher 2.8.1 Earth work in excavat trenches or drains (no ramming of bottoms, I	ng uprooting a height of ry of the are 2 2 2 tion by med ot exceeding lift up to 1.5	(Cost Inc g of rank veg 1 m above g a cleared 22.000 11.000 Schanical mea g 1.5 m in w 5 m, includin	dex:41.53 % getation, gra ground level 5.000 5.000 T aay 330.000 ans (Hydrau idth or 10 s ag getting o	b)	rood, trees a al of rubbish tal Quantity ed Quantity tal Quantity 15.43 / sqm tor) /manua	and saplings a up to a dis 220.000 110.000 330.000 sqm 330.000 sq Rs 50 Il means in dressing o	s of girth up tance of 50 m 91.90 foundation f sides and
	Clearing jungle includin to 30 cm measured at m outside the peripher 2.8.1 Earth work in excavat trenches or drains (no ramming of bottoms, I	ng uprooting a height of ry of the are 2 2 2 tion by med of exceeding lift up to 1.5 ected, within	(Cost Inc g of rank veg 1 m above g a cleared 22.000 11.000 Schanical mea g 1.5 m in w 5 m, includin a lead of 5	dex:41.53 % getation, gra ground level 5.000 5.000 T aay 330.000 ans (Hydrau idth or 10 s ig getting o 0 m.All kind	b)	rood, trees a al of rubbish tal Quantity ed Quantity tal Quantity 15.43 / sqm tor) /manua	and saplings n up to a dis 220.000 110.000 330.000 sq 0.000 sqm 330.000 sq Rs 50 Il means in dressing o nd disposa	s of girth up tance of 50 m 91.90 foundation f sides and

					lota	I Quantity	70.620 cu	m
				Т	otal Deducted	d Quantity	0.000 cum	
					Net Tota	l Quantity	70.620 cun	n
			S	Say 70.620 c	um @ Rs 309).95 / cum	Rs 21	888.67
3	4.1.5 Providing and laying in shuttering - All work up nominal size)	•		•	-	-		-
		1	22.000	1.500	0.200		6.601	
		2	11.000	0.800	0.150		2.640	
		1	22.000	0.800	0.150		2.640	
			M	59	Tota	l Quantity	11.881 cu	m
		-	6.2 7	1 21	otal Deducted	d Quantity	0.000 cum	
		61	X Z	$\sim X$	Net Tota	l Quantity	11.881 cun	n
			Sa	av 11 881 cu	m @ Rs 7690).32 / cum	Rs 91	368 69
4	7.1.1 Random rubble masor concrete 1:6:12 (1 cem level with:Cement mort	ent : 6 coai ar 1:6 (1 ce	rd stone in rse sand : 12 ement : 6 coa	foundation 2 graded sto arse sand)	and plinth inc ne aggregate	cluding lev	velling up v	vith cem
4	Random rubble masor concrete 1:6:12 (1 cem	ent : 6 coai	rd stone in rse sand : 12 ement : 6 coa	foundation 2 graded sto	and plinth inc	cluding lev	velling up v	vith cem
4	Random rubble masor concrete 1:6:12 (1 cem level with:Cement mort	ent : 6 coar ar 1:6 (1 ce Ker	rd stone in rse sand : 12 ment : 6 coa ala Wat	foundation 2 graded sto arse sand) (1.5+0.7)/	and plinth inc ne aggregate Ority	cluding lev	velling up v ominal size)	vith cem
4	Random rubble masor concrete 1:6:12 (1 cem level with:Cement mort length wise back side	ent : 6 coar ar 1:6 (1 ce Ker	rd stone in rse sand : 12 ement : 6 coa ala Wat 22.000	foundation 2 graded sto arse sand) (1.5+0.7)/ 2	and plinth inc ne aggregate Ority 3.200	cluding lev	velling up v ominal size) 77.441	vith cem
4	Random rubble masor concrete 1:6:12 (1 cem level with:Cement mort length wise back side width wise	ent : 6 coar ar 1:6 (1 ce Ker 1 2	rd stone in rse sand : 12 ement : 6 coa 12 22.000 11.000	foundation 2 graded sto arse sand) (1.5+0.7)/ 2 0.800	and plinth inc ne aggregate 0rity 3.200 0.450 0.450	cluding lev	velling up v ominal size) 77.441 7.921 7.921	vith cem up to pli
4	Random rubble masor concrete 1:6:12 (1 cem level with:Cement mort length wise back side width wise	ent : 6 coar ar 1:6 (1 ce Ker 1 2	rd stone in rse sand : 12 ement : 6 coa 12 22.000 11.000	foundation 2 graded sto arse sand) (1.5+0.7)/ 2 0.800 0.800	and plinth inc ne aggregate 0rity 3.200 0.450 0.450	20 mm no	velling up v ominal size) 77.441 7.921 7.921 93.283 cu	vith cem up to pli
4	Random rubble masor concrete 1:6:12 (1 cem level with:Cement mort length wise back side width wise	ent : 6 coar ar 1:6 (1 ce Ker 1 2	rd stone in rse sand : 12 ement : 6 coa 12 22.000 11.000	foundation 2 graded sto arse sand) (1.5+0.7)/ 2 0.800 0.800	and plinth inc ne aggregate 0rity 3.200 0.450 0.450 Tota	20 mm no	velling up v ominal size) 77.441 7.921 7.921 93.283 cu	vith cem up to pli
4	Random rubble masor concrete 1:6:12 (1 cem level with:Cement mort length wise back side width wise	ent : 6 coar ar 1:6 (1 ce Ker 1 2	rd stone in rse sand : 12 ement : 6 coa 22.000 11.000 22.000	foundation 2 graded sto arse sand) (1.5+0.7)/ 2 0.800 0.800 T	and plinth inc ne aggregate 0rity 3.200 0.450 0.450 Tota	luding lev 20 mm no l Quantity d Quantity l Quantity	velling up v ominal size) 77.441 7.921 93.283 cur 0.000 cum 93.283 cur	vith cem up to pli
4	Random rubble masor concrete 1:6:12 (1 cem level with:Cement mort length wise back side width wise	ent : 6 coar ar 1:6 (1 ce Ker 1 2 1 1 crete work ets, column ring, shutte	in walls (any s, pillars, pie	foundation 2 graded sto arse sand) (1.5+0.7)/ 2 0.800 0.800 T ay 93.283 cu y thickness), ers, abutme ng and reinfo	and plinth inc ne aggregate 0.11 0.450 0.450 0.450 Tota Tota Total Deducted Net Tota m @ Rs 7520 including atta nts, posts and	luding lev 20 mm no 20 mm no 1 Quantity 1 Quantity 1 Quantity 1 Quantity 2.41 / cum ached pila d struts et	velling up v ominal size) 77.441 7.921 7.921 93.283 cur 93.283 cur 93.283 cur 93.283 cur sters, buttre c. up tot flo	vith cem up to pli m n 1526.41
	Random rubble masor concrete 1:6:12 (1 cem level with:Cement mort length wise back side width wise front side 5.2.2 Reinforced cement con and string courses, fille excluding cost of cente	ent : 6 coar ar 1:6 (1 ce Ker 1 2 1 1 crete work ets, column ring, shutte	in walls (any s, pillars, pie	foundation 2 graded sto arse sand) (1.5+0.7)/ 2 0.800 0.800 T ay 93.283 cu y thickness), ers, abutme ng and reinfo	and plinth inc ne aggregate 0.11 0.450 0.450 0.450 Tota Tota Total Deducted Net Tota m @ Rs 7520 including atta nts, posts and	luding lev 20 mm no 20 mm no 1 Quantity 1 Quantity 1 Quantity 1 Quantity 2.41 / cum ached pila d struts et	velling up v ominal size) 77.441 7.921 7.921 93.283 cur 93.283 cur 93.283 cur 93.283 cur sters, buttre c. up tot flo	vith cem up to pli m n 1526.41
	Random rubble masor concrete 1:6:12 (1 cem level with:Cement mort length wise back side width wise front side 5.2.2 Reinforced cement con and string courses, fille excluding cost of cente 3 graded stone aggrega	ent : 6 coar ar 1:6 (1 ce Len Len Len Len Len Len Len Len Len Le	in walls (any s, pillars, pie ering, finishin nominal size	foundation 2 graded sto arse sand) (1.5+0.7)/ 2 0.800 0.800 T ay 93.283 cu y thickness), ers, abutme ng and reinfo e) (1.5+0.6)/	and plinth inc ne aggregate 0.450 0.450 0.450 Tota 0.450 Tota 0.450 including atta nts, posts and preement :1:1.	luding lev 20 mm no 20 mm no 1 Quantity 1 Quantity 1 Quantity 1 Quantity 0.41 / cum ached pila d struts et	velling up v ominal size) 77.441 7.921 7.921 93.283 cur 93.283 cur 93.283 cur 93.283 cur sters, buttre c. up tot flo nent : 1.5 co	vith ceme up to pli m n 1526.41

					То	tal Quantity	6.602 cum	
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	6.602 cum	
			Sa	y 6.602 cum	n @ Rs 114	33.93 / cum	Rs 754	486.81
6	5.22.6 Steel reinforcement fo binding all complete u					• •	• ·	
	length wise back side	1	22.000	(1.5+0.6)/ 2	0.200	60.0	277.200	
	width wise	2	11.000	0.450	0.100	60.0	59.401	
	front side	1	22.000	0.450	0.100	60.0	59.401	
		-	6.27		То	tal Quantity	396.002 ki	logram
		6	X Z	5. At	otal Deduct	ed Quantity	0.000 kilogi	ram
		IN	1582	BKA.	Net To	tal Quantity	396.002 kil	ogram
		152	Say 396.00)2 kilogram	@ Rs 102.6	1 / kilogram	Rs 40	633.77
7	50.2.25.1 Filling with contractor's not exceeding 20 cm i 50 m and lift up to 1.5	n depth, cor	nsolidating e	each deposit	ted layer by			-
	Filling yard		22.000	2.000	1.500		66.000	
					То	tal Quantity	66.000 cur	n
				т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	66.000 cum	1
			S	ay 66.000 c	um @ Rs 5	48.85 / cum	Rs 36	224.10
8	50.6.1.3 Solid block masonry us size confirming to IS 2 thickness 20cm and a	2185 Part I	of 1979 for	super struc	ture above	floor two le	evel up to fl	
	compound wall	1	22*2+11*2 +.1*20	0.200	1.500		20.401	
					То	tal Quantity	20.401 cur	n
				т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	20.401 cum	1
			Sa	y 20.401 cu	m @ Rs 77	84.73 / cum	Rs 158	816.28
9	13.7.2							

	12 mm cement plaster fi	inished with	n a floating c	oat of neat of	cement of m	ix:1:4 (1 ce	ement : 4 fine	e sand)
		1	22+20.5+1 1*2		1.5+.2+1.5		206.400	
					То	tal Quantity	206.400 sc	ım
				Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	206.400 sq	m
			Sa	y 206.400 s	qm @ Rs 40)3.29 / sqm	Rs 832	239.06
10	50.10.1 Steel work in built up G cutting, hoisting,fixing in and bolted with special	position a	nd applying	a priming co	-			-
	gate -horizontal member	6	0.750	A.		3.16	14.220	
		10	1.500			3.16	47.401	
		11	NK	$\Delta \lambda$	То	tal Quantity	61.621 kg	
		K	DB	t	otal Deduct	ed Quantity	0.000 kg	
		Lala_	EX.Co	Soll's	Net To	tal Quantity	61.621 kg	
				Say 61.62	21 kg @ Rs	198.21 / kg	Rs 12	213.90
SI No	Description	No		B	D	CF	Quantity	Remark
0 1								
эчрре	endix B - (2) - Design and	d Construc	-	_		ttappana ri	ver- (a)- RC	C work
		d Construc	-	eline Bridge lex:41.53 %		ttappana ri	ver- (a)- RC	C work
9Арре 1	2.31 Clearing jungle including to 30 cm measured at a m outside the periphery	g uprooting a height of	(Cost Inc g of rank veg 1 m above g	lex:41.53 %) iss, brush w	ood, trees a	and saplings	s of girth up
	2.31 Clearing jungle including to 30 cm measured at a	g uprooting a height of	(Cost Inc g of rank veg 1 m above g	lex:41.53 %) iss, brush w	ood, trees a	and saplings	s of girth up
	2.31 Clearing jungle including to 30 cm measured at a	g uprooting a height of of the are	(Cost Inc g of rank veg 1 m above g a cleared	lex:41.53 % getation, gra) iss, brush w	ood, trees a	and saplings n up to a dis	s of girth up
	2.31 Clearing jungle including to 30 cm measured at a	g uprooting a height of of the are	(Cost Inc g of rank veg 1 m above g a cleared 10.000	lex:41.53 % getation, gra pround level 1.000) iss, brush w and remova 1.000	ood, trees a	and saplings nup to a dis 10.000 75.000	of girth up tance of 50
	2.31 Clearing jungle including to 30 cm measured at a	g uprooting a height of of the are	(Cost Inc g of rank veg 1 m above g a cleared 10.000	lex:41.53 % getation, gra pround level 1.000 5.000) iss, brush w and remova 1.000	ood, trees a al of rubbish tal Quantity	and saplings nup to a dis 10.000 75.000 85.000 sqr	of girth up tance of 50
	2.31 Clearing jungle including to 30 cm measured at a	g uprooting a height of of the are	(Cost Inc g of rank veg 1 m above g a cleared 10.000	lex:41.53 % getation, gra pround level 1.000 5.000) iss, brush w and remova 1.000 To To total Deduct	ood, trees a al of rubbish tal Quantity ed Quantity	and saplings nup to a dis 10.000 75.000 85.000 sqr	of girth up tance of 50
	2.31 Clearing jungle including to 30 cm measured at a	g uprooting a height of of the are	(Cost Inc g of rank veg 1 m above g a cleared 10.000 15.000	lex:41.53 % getation, gra pround level 1.000 5.000 T) iss, brush w and remova 1.000 To To total Deduct	ood, trees a al of rubbish tal Quantity ed Quantity tal Quantity	and saplings nup to a dis 10.000 75.000 85.000 sqm 0.000 sqm 85.000 sqm	s of girth up tance of 50 n
	2.31 Clearing jungle including to 30 cm measured at a	g uprooting a height of of the are 1 1 1 on by med exceeding it up to 1.5	(Cost Inc of rank veg 1 m above g a cleared 10.000 15.000 15.000	lex:41.53 % getation, gra pround level 1.000 5.000 T Say 85.000 ans (Hydrau idth or 10 s g getting o) iss, brush w and remova 1.000 To To To To Sqm @ Rs ulic excavate sqm on plan ut the excavate	ood, trees a al of rubbish tal Quantity ed Quantity tal Quantity 15.43 / sqm tor) /manua), including	and saplings nup to a dis 10.000 75.000 85.000 sqm 85.000 sqm Rs 13 al means in dressing o	s of girth up tance of 50 n 11.55 foundation f sides and

					То	tal Quantity	23.520 cur	n
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	23.520 cum	ı
			S	ay 23.520 c	um @ Rs 3	09.95 / cum	Rs 72	90.02
3	4.1.5 Providing and laying in shuttering - All work up nominal size)	-		-	-	-		-
	Foundation for columns	4*2	1.400	1.400	0.250		3.920	
			1.0		То	tal Quantity	3.920 cum	
			/fil	T A	otal Deduct	ed Quantity	0.000 cum	
			6.1		Net To	tal Quantity	3.920 cum	
		6	S	ay 3.920 cu	ım @ Rs 76	90.32 / cum	Rs 30 [,]	146.05
	Providing and laying in concrete for reinforce including pumping of c and reinforcement, inc retard setting of concre Engineer - in-charge. N cement used as per de	d cement o oncrete to cluding adm te, improve Note:- Ceme	concrete wo site of laying nixtures in r workability ent content	ork, using c g but excluc ecommend without impa considered	ement cont ding the cost ed proportion airing streng in this item	tent as per at of centerin ons as per l gth and dura is @ 330 kg	approved ong, shutterin S: 9103 to bility as per g/ cum. Exc	design mix, ag, finishing accelerate, direction of cess or less
	Foundation basement	4*2	1.200	1.200	0.350	1	4.032	
	Step footing	4*2	1.000	1.000	0.250		2.000	
					То	tal Quantity	6.032 cum	
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	6.032 cum	
			S	ay 6.032 cu	ım @ Rs 98	25.93 / cum	Rs 592	270.01
5	5.33.2 Providing and laying ir concrete for reinforce including pumping of c and reinforcement, inc retard setting of concre Engineer - in-charge. N cement used as per de V level	d cement o oncrete to s cluding adm te, improve Note:- Ceme	concrete wo site of laying nixtures in r workability ent content	ork, using c g but excluc ecommend without impa considered	ement cont ding the cos ed proportion airing streng in this item	tent as per at of centerin ons as per l oth and dura is @ 330 k	approved ong, shutterin S: 9103 to bility as per g/ cum. Exc	design mix, ag, finishing accelerate, direction of cess or less
	Column above foundation	4*2	0.300	0.300	6.500		4.680	

			1					
	Beams below slab	4	10.000	0.300	0.500		6.000	
	Cross beams below slab	4	0.400	0.300	0.500		0.240	
	Bracings at 3M level	4*2	0.500	0.300	0.300		0.360	
	Top slab for bridge	2	10.000	1.000	0.150		3.000	
					То	tal Quantity	14.280 cur	n
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	14.280 cum	า
			Say	[,] 14.280 cum	n @ Rs 115	50.40 / cum	Rs 164	939.71
	Extra for providing richt content used is payable BMC/RMC. (Note:- Cer Qty as per above items 4 & 5	e/ recovera	ble separat	ely.Providin	g M-30 grad	de concrete	•	
		1 B		ZA	То	tal Quantity	20.300 cur	n
		1ale	1400	Т	9.1646	ed Quantity		
		1		100	Cal	,		
					Net To	tal Quantity	20.300 cum	า
		Vor	ale Wet	Say 20.300	cum @ Rs			າ ′39.71
7	5.22.1 Steel reinforcement fo binding all complete u		ork including	g straighten	cum @ Rs a	85.70 / cum , bending, į	Rs 17	/39.71
7	Steel reinforcement fo		ork including	g straighten	cum @ Rs a	85.70 / cum , bending, į	Rs 17	/39.71
7	Steel reinforcement fo binding all complete u	pto plinth I	ork including	straighten eel and Mec	cum @ Rs a	85.70 / cum , bending, į	Rs 17 placing in p	/39.71
7	Steel reinforcement fo binding all complete u As per 5.33.1	pto plinth I 1	ork including evelMild ste	straighten el and Mec 100.000	cum @ Rs a ing, cutting lium Tensil	85.70 / cum , bending, į	Rs 17 placing in p 603.200 1570.800	739.71 osition and
7	Steel reinforcement fo binding all complete u As per 5.33.1	pto plinth I 1	ork including evelMild ste	straighten el and Mec 100.000 110.000	cum @ Rs i ing, cutting lium Tensil	85.70 / cum , bending, µ e steel bars	Rs 17 placing in p 603.200 1570.800 2174.000 l	739.71 osition and
7	Steel reinforcement fo binding all complete u As per 5.33.1	pto plinth I 1	ork including evelMild ste	straighten el and Mec 100.000 110.000	cum @ Rs i ing, cutting lium Tensil To To	85.70 / cum , bending, µ e steel bars tal Quantity	Rs 17 placing in p 603.200 1570.800 2174.000 kg	v39.71 osition and (g
7	Steel reinforcement fo binding all complete u As per 5.33.1	pto plinth I 1	ork including evelMild ste 6.032 14.280	straighten el and Mec 100.000 110.000	cum @ Rs i ing, cutting lium Tensil To To otal Deduct Net To	85.70 / cum , bending, µ e steel bars tal Quantity ed Quantity tal Quantity	Rs 17 placing in p 603.200 1570.800 2174.000 kg 2174.000 kg	v39.71 osition and (g
8	Steel reinforcement fo binding all complete u As per 5.33.1	pto plinth I	ork including evelMild ste 6.032 14.280	straighten eel and Mec 100.000 110.000 T Say 2174.00	cum @ Rs i ing, cutting lium Tensil To Total Deduct Net To D0 kg @ Rs	85.70 / cum , bending, r e steel bars tal Quantity ed Quantity tal Quantity 100.91 / kg	Rs 17 placing in p 603.200 1570.800 2174.000 k 2174.000 k 2174.000 k Rs 219	239.71 osition and (g) 9 9378.34
	Steel reinforcement fo binding all complete up As per 5.33.1 As per 5.33.2 5.9.1 Centering and shutterin	pto plinth I	ork including evelMild ste 6.032 14.280	straighten eel and Mec 100.000 110.000 T Say 2174.00	cum @ Rs i ing, cutting lium Tensil To Total Deduct Net To D0 kg @ Rs	85.70 / cum , bending, r e steel bars tal Quantity ed Quantity tal Quantity 100.91 / kg	Rs 17 placing in p 603.200 1570.800 2174.000 k 2174.000 k 2174.000 k Rs 219	239.71 osition and (g) 9 9378.34
	Steel reinforcement fo binding all complete up As per 5.33.1 As per 5.33.2 5.9.1 Centering and shutterin columns, etc for mass of	nto plinth I	strutting, et	straighten eel and Mec 100.000 110.000 T Say 2174.00	cum @ Rs i ing, cutting lium Tensil To To otal Deduct Net To 00 kg @ Rs	85.70 / cum , bending, r e steel bars tal Quantity ed Quantity tal Quantity 100.91 / kg	Rs 17 placing in p 603.200 1570.800 2174.000 kg 2174.000 kg 2174.000 kg Rs 219 ions, footing	239.71 osition and (g) 9 9378.34
	Steel reinforcement fo binding all complete up As per 5.33.1 As per 5.33.2 5.9.1 Centering and shutterin columns, etc for mass of	pto plinth I 1 1 g including concrete 4*2	strutting, et	straighten eel and Mec 100.000 110.000 T Say 2174.00	cum @ Rs i ing, cutting lium Tensile To fotal Deduct Net To 00 kg @ Rs oval of form 0.350 0.250	85.70 / cum , bending, r e steel bars tal Quantity ed Quantity tal Quantity 100.91 / kg	Rs 17 placing in p 603.200 1570.800 2174.000 k 0.000 kg 2174.000 k Rs 219 ions, footing 13.440 8.000	239.71 osition and ((() () () () () () () () (
	Steel reinforcement fo binding all complete up As per 5.33.1 As per 5.33.2 5.9.1 Centering and shutterin columns, etc for mass of	pto plinth I 1 1 g including concrete 4*2	strutting, et	straighten eel and Mec 100.000 110.000 T Say 2174.00 c. and remo	cum @ Rs i ing, cutting lium Tensil To fotal Deduct Net To 00 kg @ Rs oval of form 0.350 0.250 To	85.70 / cum bending, p steel bars tal Quantity ed Quantity tal Quantity 100.91 / kg for:Foundat	Rs 17 olacing in p 603.200 1570.800 2174.000 kg 2174.000 kg 2174.000 kg ions, footing 13.440 8.000 21.440 sqr	239.71 osition and ((() () () () () () () () (

			S	ay 21.440 s	sqm @ Rs 3	50.00 / sqm	Rs 75	04.00
9	5.9.3 Centering and shutteri landings, balconies an	-		etc. and	removal of	form for:Su	spended flo	oors, roo
	Top slab for bridge	1	20.000	1.000			20.000	
	Sides	2	20.000	0.150			6.000	
			•		То	tal Quantity	26.000 sqr	n
		Total Deducted Quanti						
	Net Total Quantit							1
			S	ay 26.000 s	sqm @ Rs 8	51.52 / sqm	Rs 22 ²	39.52
10	5.9.5 Centering and shutterin girders bressumers and	-		tc. and ren	noval of forr	n for:Lintels	, beams, pli	nth bean
	Beam sides	2	20.000	1.000	111		40.000	
	Cross beams below slab sides	4	0.400	1.000	1 is		1.600	
	Bracings at 3M level side and bottom	4*2	0.400	0.900			2.881	
		TZ	1		То	tal Quantity	/ 44.481 sqm	
		Nera		er Auu	Total Deduct	ed Quantity	0.000 sqm	
		\mathbf{D}	\mathbf{Q}		Net To	tal Quantity	44.481 sqm	
			-\$	ay 44.481 s	sqm @ Rs 6	78.28 / sqm	Rs 30 ⁻	70.57
11	5.9.6 Centering and shutter Abutments, Posts and	-	ng strutting	, etc. and	removal of	form for:C	olumns, Pil	lars, Pie
	Column above foundation	4*2	1.200		6.500		62.400	
					То	tal Quantity	62.400 sqr	n
					10	,		
				7	Fotal Deduct		0.000 sqm	
				7	Fotal Deduct	ed Quantity	0.000 sqm 62.400 sqm	
			S		Fotal Deduct	ed Quantity tal Quantity	62.400 sqm	I
12	13.7.1 12 mm cement plaster f	inished with		ay 62.400 s	Total Deduct Net To sqm @ Rs 9	ed Quantity tal Quantity 01.48 / sqm	62.400 sqm Rs 562	252.35
12		inished with 4*2		ay 62.400 s	Total Deduct Net To sqm @ Rs 9	ed Quantity tal Quantity 01.48 / sqm	62.400 sqm Rs 562	252.35

	Cross beams below slab	4	0.400		1.000		1.600	
	Bracings at 3M level	4*2	0.400		1.200		3.840	
	Top slab for bridge	2	20.000	1.000			40.000	
					То	otal Quantity	147.840 sc	ηm
				Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	147.840 sq	m
			Sa	ay 147.840 s	qm @ Rs 4	18.79 / sqm	Rs 619	913.91
13	13.44.1 Finishing walls with wat @ 3.84 kg/10 sqm)	ter proofing	cement pai	nt of require	d shade:Ne	w work (Two	o or more co	oats applied
	Qty same as 13.7.1	1	156.560	19			156.560	
		-	627		То	tal Quantity	156.560 sc	ım
		6.	X Z	- AT	otal Deduct	ed Quantity	0.000 sqm	
		1.B	1512	SX A	Net To	otal Quantity	156.560 sq	m
		132	Sa	ay 156.560 s	qm @ Rs 1	12.09 / sqm	Rs 17	548.81
14	10.26.3 Providing and fixing has staircase railing and si			and the second second	-		-	
		DT	2		То	tal Quantity	452.600 kg]
				L T	otal Deduct	ed Quantity	0.000 kg	
					Net To	tal Quantity	452.600 kg	
				Say 452.60	00 kg @ Rs	194.18 / kg	Rs 878	885.87
15	100.7.1 Bailing out water with 5 and taking back of en complete. NEW DATA (Prepared	igine and p	oump, cost	of fuel lubr	icating oil a			-
	24 days @ 10 hours pumping per day= 10hrx5hpx0.7457= 37.285kwh per day	24	37.285				894.840	
					То	tal Quantity	894.840 Kv	wh
				т	otal Deduct	ed Quantity	0.000 Kwh	
					Net To	tal Quantity	894.840 Kw	/h

			Sa	ay 894.840	Kwh @ Rs	38.57 / Kwh	Rs 34	513.98
SI No	Description	No	L	В	D	CF	Quantity	Remark
0App	endix B - (2) - Design an	d Constru		eline bridge ex:41.53 %		ttappana riv	ver- (b) Stee	l bridge
1	10.2 Structural steel work riv cutting, hoisting, fixing			-				
		ISMB sect	ion 60x60x6n	nm -5.4kg/r	n,M.S sheet	t 94.5kg/m2		
	Longitudinal section - t o p (2 L I S A 7 5 x 7 5 x 8 m m)	2*2	14.400			8.9	512.640	
	top cross (ISA 65x65x8mm)	9	1.200	A		7.7	83.160	
	top diagonal (ISA 65x65x8mm)	2*8	2.100		2	7.7	258.721	
	vertical section both side (ISA 75x75x8mm)	2*9	1.800	X	1A	8.9	288.360	
	diagonal member both side (ISA 65x65x8mm)	2*8 Kor	2.500	or Auth	ority	7.7	308.000	
	diagonal member at both end (ISA 75x75x8mm)	2*2	2.500		2 F	8.9	89.000	
	Longitudinal section- bottom (2L ISA 65x65x8mm)	2*2	18.000			7.7	554.400	
	LS -bottom middle (ISA 65x65x8mm)	2	18.000			7.7	277.200	
	bottom cross (ISLC 100)	11	1.200			7.9	104.280	
	plat form (8 mm chequered plates)	1	18.000	1.000		65.44	1177.920	
	Add 10% wastage	1	3653.681			0.1	365.369	
					То	otal Quantity	4019.050 k	g
				T	otal Deduct	ed Quantity	0.000 kg	
					Net To	otal Quantity	4019.050 kg	9
			(Sav 4019 0	50 ka @ Rs	125.04 / kg	Rs 502	542.01

2	13.52.1								
	Finishing with Epoxy								
	manufacturer's specifica	ations inclu	ding appropr	iate primine	g coat, p	orepara	tion of su	rface, etc. c	omplete.
	steel work								
	5	surface are	a 75*75*8 =0).291mm2,0	65*65*8 T	mm =0	.252mm2	2	
	Longitudinal section - t o p (2 L I S A 7 5 x 7 5 x 8 m m)	2*2	14.400				0.29	16.762	
	top cross (ISA 65x65x8mm)	9	1.200				0.25	2.722	
	top diagonal (ISA 65x65x8mm)	2*8	2.100	~			0.25	8.468	
	vertical section both side (ISA 75x75x8mm)	2*9	1.800	1	2	<	0.29	9.429	
	diagonal member both side (ISA 65x65x8mm)	2*8	2.500	X	H		0.25	10.080	
	diagonal memberat both end (ISA 75x75x8mm)	2*2	2.500			Ð	0.29	2.910	
	Longitudinal section-	Ker	ala Wate	er Auth	ority				
	bottom (2L ISA 65x65x8mm)	2*2	18.000			F	0.25	18.144	
	LS -bottom middle (ISA 65x65x8mm)	2	18.000				0.25	9.072	
	bottom cross (ISLC 100)	11	1.200				0.29	3.842	
_					_	Total	Quantity	81.429 sqr	n
				٦	Fotal De	ducted	Quantity	0.000 sqm	
					N	et Total	Quantity	81.429 sqn	1
			Si	ay 81.429 s					981.10
SI No	Description	No	L	В	D		CF	Quantity	Remark

1	100.37.8.1								
	Fabricating MS pipes of charges of MS plate, a deluxe multi surface pa	III fabricatio aint to give a	n charges, an even sha	charges of	painting the	steel work	with two or	more coat	
	fabricated with 8mm th	ick MS plate							
		1	42.000				42.000		
					To	tal Quantity	42.000 me	tre	
				Т	otal Deduct	ed Quantity	0.000 metre)	
					Net To	tal Quantity	42.000 met	re	
			Say 4	2.000 metre	e @ Rs 7163	3.54 / metre	Rs 300	868.68	
2	100.1.1								
	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidatingeach deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : All kinds of soil (Ref. Item No. 2.10.1 of DSR)								
		1	8.000	0.800	1.200		7.680		
			A Care	in of the	To	tal Quantity	7.680 cum		
		Ker	ala Wat	er Auf	otal Deduct	ed Quantity	0.000 cum		
					ion neg	tal Quantity			
		\mathbf{P}	~	Say 7.680 c	um @ Rs 57	79.85 / cum	Rs 44	53.25	
3	100.37.8.3								
	Cutting 250 mm (ID) M		-		•			-	
	all labour and hire char	ges of tools	etc. comple	ete: For pipe	es fabricated	d with 8mm	thick MS pla	ates.	
		36					36.000		
					To	tal Quantity	36.000 No		
				Т	otal Deduct	ed Quantity	0.000 No		
					Net To	tal Quantity	36.000 No		
	Say 36.000 No @ Rs 272.02 / No Rs 9792.72								
4	100.37.8.4								
	Welding 250mm (ID) MS pipes for making bends and other specials by gas/electric welding machine							-	
	including cost of gas a fabricated with 8mm th	-		bour and h	ire charges	of tools et	c. complete	: For pipes	
			100.				50.000		
		50					50.000		
					To	tal Quantity	50.000 No		

				Т	otal Deduct	ed Quantity	0.000 No		
					Net To	tal Quantity	50.000 No		
				Say 50.000	No @ Rs 1	040.81 / No	Rs 52	040.50	
5	100.37.8.5 Grinding cut and weld hire charges of tools et	-	. ,		-		-	labour and	
		50					50.000		
					То	tal Quantity	50.000 No		
	Total Deducted Quantity 0.000 No								
					Net To	tal Quantity	50.000 No		
	Say 50.000 No @ Rs 195.17 / No Rs 9758.50								
6	 100.14.4 Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials : 250 mm dia Ductile Iron Class K-9 Pipes Data derived from 18.72.18 in DAR 								
		1	42.000	Ser.	2 ar	2	42.000		
		1			То	tal Quantity	42.000 me	tre	
			Valo Hard			ed Quantity	0.000 metre	9	
		Kera	ala Wat	er Auth	OT1 Net To	tal Quantity	42.000 met	re	
7	18.67.1 Providing and laying S 300 mm dia	& S C.I. Sta		42.000 metr			I		
	250 mm M J	2				0.48	0.960		
					То	tal Quantity	0.960 quin	tal	
				т	otal Deduct	ed Quantity	0.000 quint	al	
					Net To	tal Quantity	0.960 quint	al	
			Say 0.9	60 quintal @	2 Rs 14708	.65 / quintal	Rs 14 ⁻	120.30	
8	5.1.3 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)								
		6	1.200	0.800	1.200		6.912		
					То	tal Quantity	6.912 cum		
				Т	otal Deduct	ed Quantity	0.000 cum		

			1					
					Net To	tal Quantity	6.912 cum	
			S	ay 6.912 cu	ım @ Rs 896	64.72 / cum	Rs 61	964.14
9	5.22.6 Steel reinforcement fo binding all complete u		-	-		• •	• •	
	6.92m3@90 kg/m3	1	6.920			90.0	622.800	
					To	tal Quantity	622.800 ki	logram
				Т	otal Deduct	ed Quantity	0.000 kilog	ram
					Net To	tal Quantity	622.800 kil	ogram
	Say 622.800 kilogram @ Rs 102.61 / kilogram Rs 63905.51 100.32.2 Conveying and fixing C I Single acting Air Valve of approved quality with bolts,nuts,rubber insertions etc excluding the cost of air valve(the tail pieces if required will be paid seperately): 40 mm Single acting Air Valve Observed Data derived from item no.18.59.of DAR							
10								
		1	ALC:	27/2	1		1.000	
	Total Quantity 1.000 Nos							
		124		Т	otal Deduct	ed Quantity	0.000 Nos	
			A COM	in of Sel	Net To	tal Quantity	1.000 Nos	
		Kera	ala Wat	Say 1.000 I	Nos @ Rs 1	84.41 / Nos	Rs 1	84.41
11	100.31.1.1 "Conveying and fixing insertions etc. excludi diameter. Class I" Observed Data derived	ng the cost	of valve (th	e tail piece				
	providing scour valve	1					1.000	
					To	tal Quantity	1.000 Nos	
				Т	otal Deduct	ed Quantity	0.000 Nos	
					Net To	tal Quantity	1.000 Nos	
				Say 1.000 I	Nos @ Rs 6	13.74 / Nos	Rs 6	13.74
12	100.98.448 Supply of CI Air Valve with Flanges, Conforming to IS 14845 - 2000, Kinetic Air Valve Type DS1, Size 40mm							DS1, Size
		1					1.000	
	Total Quantit Total Deducted Quantit							
					Net To	tal Quantity	1.000 No	
	1						1	

				Say 1.000	No @ Rs 7	646.15 / No	Rs 7646.15	
13	100.98.457 Supply of CI Double Fla Size 80mm.	anged Sluic	e Valve Co	nforming to I	S 14846 - 2	000, Sluice	Valve with (Cap PN 1.6,
		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	624.05 / No	Rs 66	624.05
SI No	Description	No	L	В	D	CF	Quantity	Remark
12Appen	dix B - (3) - Wash water	disposal a	rrangemen	ts at TP- (a)	- Cost of m	naterials	(Cost Inde	ex:41.53 %)
1	100.98.120 Supply of DI K9 Pipe Co	onforming to	o IS 8329/20	000, 350mm	Dia.			
		1	400.000	$< \gamma$	20		400.000	
	2% for spare	1	8.000	a VA	121		8.000	
		155	US	MAN.	То	tal Quantity	408.000 m	etre
		1 Co		Т	otal Deduct	ed Quantity	0.000 metr	е
				in of El	Net To	tal Quantity	408.000 m	etre
		Kera	ala Say 40	08.000 metre	@ Rs 5506	6.95 / metre	Rs 224	6835.60
2	18.71.6 Providing and laying D 1536):350 mm dia C.I I			ed / welded)	Centrifuga	lly (Spun) C	Cast Iron, C	lass B(IS:
	350 mm dia C.I double flanged pipe	1	40.000				40.000	
					То	tal Quantity	40.000 me	tre
				Т	otal Deduct	ed Quantity	0.000 metr	е
					Net To	tal Quantity	40.000 met	re
			Say 40	0.000 metre	@ Rs 10799	9.16 / metre	Rs 431	966.40
3	3 100.98.464 Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Size 350mm.							Cap PN 1.6,
		1				2.0	2.000	
	Total Quanti						2.000 No	
				Т	otal Deduct	ed Quantity		
					Net To	tal Quantity	2.000 No	

				Say 2.000 I	No @ Rs 77	806.55 / No	Rs 155	613.10	
4	od81358/2020_2021 Supply DI specials,Tee	s,Bends,Col	lars,Tapers	etc.					
	90 degree DI bend	4	0.900				3.600		
	45 degree DI bend	10	0.650				6.500		
	22.5 degree DI bend	15	0.540				8.101		
					То	tal Quantity	18.201 qui	ntal	
	Total Deducted Quantity 0.000 quintal							al	
					Net To	tal Quantity	18.201 quir	ntal	
			Say 18.2	201 quintal	@ Rs 20384	.00 / quintal	Rs 371	009.18	
SI No	Description	No		В	D	CF	Quantity	Remark	
13Append	lix B - (3) - Wash water	disposal a	rrangemen	ts at TP- (b) Working o	charges	(Cost Inde	x:41.53 %)	
	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 of For 350mm DI K9 pipes(65% for all classes of soil)	as required, ming, water	in layers n	ot exceedin	of surplus	depth, inclu	ding consoli	datingeach ed, within a	
				Г	otal Deduct	ed Quantity	0.000 cum		
					Net To	tal Quantity	572.001 cu	m	
			Sa	y 572.001 c	cum @ Rs 5	79.85 / cum	Rs 331	674.78	
2	100.14.6 Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials : 350 mm dia Ductile Iron Class K-9 Pipes Data derived from 18.72.20 in DAR								
	350mm DI K9 pipes	1	400.000				400.000		
					То	tal Quantity	400.000 m	etre	
					otal Deduct	ed Quantity	0.000 metre	э	
					Net To	tal Quantity	400.000 me	etre	
		re @ Rs 283	3.70 / metre						

3	100.31.2.8 Conveying and fixing C. etc. excluding the cost of 350 mm diameter. Class Observed Data derived	of valve (the s II"	e tail pieces	if required w	0 1		, nuts, rubbe	r insertions	
	350 mm diameter class-ll	2					2.000		
					То	tal Quantity	2.000 Nos		
			Total Deducted Quantity 0.000 Nos						
		Net Total Quantity 2.000 Nos							
				Say 2.000 No	os @ Rs 41	48.10 / Nos	Rs 82	96.20	
4	18.83.8 Labour for cutting C.I. pi	ng C.I. pipe with steel saw.350 mm diameter C.I pipe							
	350 mm pipe	15	8.2.8		2		15.000		
		61	N. R.	SN/A	То	tal Quantity	15.000 Ea	ch Cut	
	Total Deducted Quantity 0.000 Each Cut							Cut	
	Net Total Quantity 15.000 Each Cut								
	Say 15.000 Each Cut @ Rs 781.10 / Each Cut Rs 11716.50							716.50	
5	18.70.6 Providing push - on-join joints and including the				<i></i>	uctile Iron Pi	ipes includir	g testing of	
		85	R				85.000		
					То	tal Quantity	85.000 joir	t	
				т	otal Deduct	ed Quantity	0.000 joint		
					Net To	tal Quantity	85.000 join	:	
			ç	Say 85.000 jo	oint @ Rs 4	56.93 / joint	Rs 38	339.05	
6	18.67.2 Providing and laying S & 300 mm dia	& S C.I. Sta	andard spec	ials suitable	for mechan	ical jointing	as per IS 13	382:Above	
	350 mm MJ collar	2	0.620				1.240		
					То	tal Quantity	1.240 quin	al	
	Total Deducted Quantity 0.000 quintal								
					Net To	tal Quantity	1.240 quint	al	
			Say 1.2	240 quintal @	2 Rs 15492	.79 / quintal	Rs 192	211.06	
7	18.24 Laying in position S &	S or flang	ed C.I. spe	cial such as	tees, bend	ds, collars,	tapers and	caps etc. (

	excluding cost of specia	als).	1	1	1	1	1	1
	90 degree DI bend	4	0.900				3.600	
	45 degree DI bend	10	0.650				6.500	
	22.5 degree DI bend	15	0.540				8.101	
					Тс	tal Quantity	18.201 qu	intal
				٢	Fotal Deduct	ed Quantity	0.000 quin	al
					Net To	tal Quantity	18.201 qui	ntal
	Say 18.201 quintal @ Rs 603.91 / quintal Rs 1099							
8	100.35.6 Testing 350mm DI/CI p 350 mm dia Observed Data derived	-	(Con			ressure.	Ι	
		1	400.000		1		400.000	
		61	N. A	SAA	Тс	tal Quantity	400.000 m	etre
		1 B	1012		Fotal Deduct	ed Quantity	0.000 metr	e
	Net Total Quantity 400.000 me							etre
		2 Class	Say	400.000 me	etre @ Rs 7	0.53 / metre	Rs 28	212.00
9	5.1.3 Providing and laying in centering, shuttering, fi sand : 4 graded stone a	nishing an	d reinforcem 20 mm nomi	ent - All wo nal size)	rk up to plin			
				Anchor bloc	k l			
	For anchor block 70 1.000 1.000 1.000						70.000	Pipe line laying through steep hilly terrain. So more anchor block has to be provided.
	Pipe portion	70	1.000	0.200	0.200	3.14	-8.792	
					Тс	tal Quantity	70.000 cu	m
				1	Fotal Deduct	ed Quantity	-8.792 cum	1
					Net To	tal Quantity	61.208 cur	n
			Sa	iy 61.208 cu	um @ Rs 89	64.72 / cum	Rs 548	8712.58

10	5.22.6 Steel reinforcement fo	r R.C.C wo	rk including	g straighten	ing, cutting	, bending, r	placing in p	osition and
	binding all complete u		-			• •	• ·	
			ŀ	Anchor bloc	k		1	
	20 m3 concrete @ 50kg steel/ m3	61.208				40.0	2448.320	
					Тс	otal Quantity	2448.320	kilogram
				Г	otal Deduct	ed Quantity	0.000 kilog	ram
					Net To	otal Quantity	2448.320 k	ilogram
			Say 2448.32	0 kilogram	@ Rs 102.6	1 / kilogram	Rs 251	222.12
11	5.9.1 Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases columns, etc for mass concrete							
	Anchor block							
	Form work for anchor block	70*4	1.000	1.000	1-21		280.000	
	Pipe portion	70*2	0.200	0.200		3.14	-17.584	
		200			То	otal Quantity	280.000 so	դո
			Non Ban	a ana	otal Deduct	ed Quantity	-17.584 sqr	n
		Kera	ala Wat	er Auth	Net To	otal Quantity	262.416 sq	m
			Sa	y 262.416 s	sqm @ Rs 3	50.00 / sqm	Rs 91	845.60
12	od41799/2020_2021							
	Construction of RCC v concrete base,150 mn							
	reinforcement includin							
		2					2.000	
					То	otal Quantity	2.000 No	
				Г	otal Deduct	ed Quantity	0.000 No	
					Net To	otal Quantity	2.000 No	
				Say 2.000 I	No @ Rs 42	969.05 / No	Rs 85	938.10
SI No	Description	No	L	В	D	CF	Quantity	Remark
	ndix B - (4) - supply and		-					-
	LSR at Nariyanpara top	o using 80 i	nm GI pipe	- (a) Cost o	f materials	(Cost Ir	ndex:41.53	%)
1	100.98.440 Supply of CI Air Valve,	Conformina	to IS 14848	s - 2000. Sir	gle Orifice.	Small Orifice	e Type S1. S	Size 25mm.
		3		-,			3.000	
	1				1		I	

					То	tal Quantity	3.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	3.000 No	
				Say 3.000	No @ Rs 5	636.75 / No	Rs 16	910.25
2	100.98.457 Supply of CI Double FI Size 80mm.	anged Sluic	e Valve Con	forming to I	S 14846 - 2	000, Sluice	Valve with (Cap PN 1.6,
		1					1.000	
					То	tal Quantity	1.000 No	
		ed Quantity	0.000 No					
		tal Quantity	1.000 No Rs 6624.05					
		624.05 / No	Rs 6624.05					
3	od41959/2020_2021 Supply of 80mm GI pip	e(m)	50	X	TO		1	
		1	1177.000		A		1177.000	
		152	Wa	100	То	tal Quantity	1177.000 ı	netre
		400		Т	otal Deduct	ed Quantity	0.000 metro	Э
			ALC: N	a ana	Net To	tal Quantity	1177.000 n	netre
		Kera	ala Sayat	77.000 met	e @ Rs 830).16 / metre	Rs 977	098.32
4	od41983/2020_2021 Specials for 80mm GI intermediate sump at							pipes from
		1					1.000	
					То	tal Quantity	1.000 set	
				Т	otal Deduct	ed Quantity	0.000 set	
					Net To	tal Quantity	1.000 set	
				Say 1.000 s	et @ Rs 81	318.93 / set	Rs 81	318.93
SI No	Description	No	L	В	D	CF	Quantity	Remark
	ndix B - (4) - supply an LSR at Nariyanpara to		-				np at Nariya dex:41.53	-
1	100.12.8 Conveying and fixing excluding cost of pipe 80 mm dia nominal bor Data derived from item Data for 10 m	es and fittin	gs - Extern		ngs includii	ng trenchin	g and refilli	ng etc. but

(1	1	l .	1	1			
		1	1177.000				1177.000		
					То	tal Quantity	1177.000 r	netre	
				Т	otal Deduct	ed Quantity	0.000 metre	9	
					Net To	tal Quantity	1177.000 m	netre	
			Say 11	77.000 met	re @ Rs 217	7.74 / metre	Rs 256	279.98	
2	100.31.2.1								
	"Conveying and fixing insertions etc. exclud 80 mm diameter. Class Observed Data derived	ling the cos	st of valve (the tail pie		•			
		1					1.000		
		I	(Can	165		tal Quantity			
			20						
	Total Deducted Quantity 0.000 Nos Net Total Quantity 1.000 Nos Say 1.000 Nos @ Rs 652.74 / Nos Rs 652.74								
3									
	Conveying and fixing C excluding the cost of a 25 mm Single acting A Observed Data derived	ir valve(the t ir Valve	tail pieces if	required wil	ll be paid se		s,rubber ms	enions etc.	
		3					3.000		
		\mathbf{P}	R		То	tal Quantity	3.000 Nos		
				Ч	otal Deduct	ed Quantity	0.000 Nos		
					Net To	tal Quantity	3.000 Nos		
				Say 3.000 I	Nos @ Rs 1	46.63 / Nos	Rs 43	39.89	
4	5.2.2 Reinforced cement cor and string courses, fill excluding cost of cente 3 graded stone aggreg	ets, column: ering, shutte	s, pillars, pie ring, finishin	ers, abutme g and reinfo	nts, posts a	nd struts et	c. up tot floo	or five level	
	Anchor block	10	0.800	0.800	0.600		3.841		
	Total Quantity 3.841 cum								
				Т	otal Deduct	ed Quantity	0.000 cum		
	Net Total Quantity 3.841 cum								
			Sa	y 3.841 cun	n @ Rs 114	33.93 / cum	Rs 439	917.73	
5	5.22.6 Steel reinforcement fo	or R.C.C wo	ork including	g straighten	ing, cutting	, bending, j	placing in p	osition and	

	binding all complete up	to plinth lev	elThermo -	Mechanicall	y Treated b	ars of grade	Fe-500D or	more	
	Anchor block 6.841 m3	1	3.841	50.000			192.050		
					Тс	otal Quantity	192.050 ki	ogram	
				Т	otal Deduc	ted Quantity	0.000 kilogi	am	
					Net To	otal Quantity	192.050 kilogram		
		Rs 19	706.25						
6	5.9.1 Centering and shutterin columns, etc for mass		strutting, e	tc. and remo	oval of form	for:Foundat	ions, footing	s, bases of	
	Anchor block	10*4	0.800	0.600			19.200		
	Total Quantity						19.200 sqr	n	
	Total Deducted Quantity							•	
		otal Quantity	19.200 sqm Rs 6720.00						
		1 B		Say 19.200 s	qm @ Rs 3	50.00 / sqm	Rs 67	20.00	
SI No	Description	No	L	В	D	CF	Quantity	Remark	
1	2.31 Clearing jungle includir to 30 cm measured at a m outside the peripher	a height of	1 m above	TAR ALTR	INTIEV			• ·	
					To	tal Quantity	225.000 so	ım	
				Г	otal Deduc	ted Quantity		<u>.</u>	
					Net To	otal Quantity	225.000 sq	m	
			S	Say 225.000	sqm @ Rs	15.43 / sqm	Rs 34	71.75	
2	2.8.1 Earth work in excavat trenches or drains (no ramming of bottoms, li excavated soil as dire	t exceeding ft up to 1.5	g 1.5 m in v 5 m, includi	vidth or 10 s	sqm on plan ut the exca	n), including	dressing o	f sides and	
		1	15.000	8.000	1.350		162.000		
	Total Quantity 1							ım	
				Т	otal Deduc	ted Quantity	0.000 cum		
					Net To	otal Quantity	162.000 cu	m	
	Say 162.000 cum @ Rs 309.95 / cum Rs 50211.9								

3	2.7.2 Earth work in ex (exceeding 30 cm earth, lead up to (requiring blasting	n in depth, 1.5 n 50 m and lift up	n in width as	well as 10	sqm on pla	an) including	disposal of	f excavated
		1	8.000	3.000	4.000		96.000	
					Тс	otal Quantity	96.000 cur	n
				-	Total Deduc	ted Quantity	0.000 cum	
					Net To	otal Quantity	96.000 cun	า
			S	ay 96.000 (cum @ Rs 7	'49.05 / cum	Rs 71	908.80
4	4.1.6 Providing and lay shuttering - All wo nominal size)	• •			-	-		-
	Base slab	1	9.500	7.000	0.200		13.300	
		1.S	100	and a	Тс	otal Quantity	13.300 cur	n
		102	14a		Total Deduc	ted Quantity	0.000 cum	
		- Aller			Net To	otal Quantity	13.300 cun	า
			Sa	iy 13.300 ci	um @ Rs 75	27.06 / cum	Rs 100	109.90
5	7.1.1 Random rubble r concrete 1:6:12 (1 level with:Cement	nasonry with ha I cement : 6 coa	rse sand : 12	foundation 2 graded sto	and plinth		• •	
		1	9.500	7.000	1.000		66.500	
					То	otal Quantity	66.500 cur	n
				-	Total Deduc	ted Quantity	0.000 cum	
					Net To	otal Quantity	66.500 cun	า
			Sa	iy 66.500 ci	um @ Rs 75	20.41 / cum	Rs 500	107.27
6	4.1.5 Providing and lay shuttering - All wo nominal size)	•			-	-		-
		1	9.400	6.900	0.150		9.729	
		i			Тс	otal Quantity	9.729 cum	
				-	Total Deduc	ted Quantity	0.000 cum	
					Net To	otal Quantity	9.729 cum	
			S	av 9.729 ci	um @ Rs 76	90.32 / cum	Rs 74	819.12

7	5.33.2 Providing and laying in concrete for reinforced including pumping of co and reinforcement, inc retard setting of concret Engineer - in-charge. N cement used as per des V level	d cement of oncrete to s luding adm re, improve lote:- Ceme	concrete wo site of laying nixtures in r workability ent content	ork, using c g but excluc ecommende without impa considered	ement con ling the cos ed proportio airing streng in this item	tent as per at of centerin ons as per gth and dura is @ 330 k	approved ong, shutterin IS: 9103 to Ibility as per g/ cum. Exc	design mix, g, finishing accelerate, direction of ess or less
	Base of sump	1	8.600	6.100	0.250		13.115	
	Side walls	1	28.200	0.300	2.500		21.150	
	Haunch	0.5	25.400	0.400	0.250		1.270	
	Cover slab of sump	1	9.500	7.000	0.150		9.975	
	Beams under roof slab long beam	1	8.000	0.300	0.250		0.600	
	Beams under roof slab short beam	2	2.600	0.300	0.250		0.390	
	Column	1	0.300	0.300	2.000	2	0.180	
	Column footing	1	0.900	0.900	0.250		0.203	
	Deduction for man hole cover	2 Kera	0.600 ala Wat	0.600 er Auth	0.150 OTITY		-0.108	
					Тс	tal Quantity	46.883 cur	n
				Т	otal Deduct	ed Quantity	-0.108 cum	
					Net To	otal Quantity	46.775 cum	1
			Say	46.775 cun	n @ Rs 115	50.40 / cum	Rs 540	269.96
8	5.34.1 Extra for providing riche content used is payable BMC/RMC. (Note:- Cer	e/ recovera	ble separat	ely.Providin	g M-30 gra	de concrete	•	
	Qty same as item 7 - 46.775m3	46.775					46.775	
					Тс	otal Quantity	46.775 cur	n
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	otal Quantity	46.775 cum	1
				Say 46.775	cum @ Rs	85.70 / cum	Rs 40	08.62
9	5.22.6 Steel reinforcement for binding all complete up		-			•		

			Reinford	cement - 12	20kg/m3	I	1	I
	qty same as 5.33.2= 46.775 m3 @ 120kg per m3	1	46.775			120.0	5613.000	
					То	tal Quantity	5613.000 k	kilogram
				Г	otal Deduct	ed Quantity	0.000 kilogi	ram
					Net To	tal Quantity	5613.000 k	ilogram
			Say 5613.00	0 kilogram	@ Rs 102.6	1 / kilogram	Rs 575	949.93
10	5.9.1 Centering and shutterin columns, etc for mass	-	g strutting, etc	c. and remo	oval of form	for:Foundat	ions, footing	ıs, bases
	Base avg thickness	1	9.5+9.5+7 +7	0.200			6.601	
	Base slab of sump	1	9.4+9.4+6. 9+6.9	0.150	21		4.890	
	Footing	1	8.6+8.6+6. 1+6.1	0.250		2	7.350	
		4 CC		22/31	То	tal Quantity	18.841 sqr	n
				10 220	otal Deduct	ed Quantity	0.000 sqm	
		Ker	ala Wate	er Auth	1011Net To	tal Quantity	18.841 sqm	ı
	Г		Si	ay 18.841 s	sqm @ Rs 3	50.00 / sqm	Rs 65	94.35
11	5.9.2 Centering and shutterin attached pilasters, butt	•	•			for:Walls (a	ny thicknes	s) includ
	((8.6*2)+(6.1*2))+((8*2))+((5.5*2))	1	56.400	2.500	1.000		141.000	
					То	tal Quantity	141.000 sc	ηm
				T	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	141.000 sq	m
			Say	y 141.000 s	sqm @ Rs 7	48.62 / sqm	Rs 105	555.42
12	5.9.3 Centering and shutter landings, balconies ar	-		etc. and r	removal of	form for:Su	spended flo	oors, roo
	Cover slab of sump	1	9.500	7.000			66.500	
	Side of cover slab	1	33.000	0.150			4.950	

					Fotal Deduct	ed Quantity	0.000 sam	
							71.450 sqm	
			S	av 71 450 s	sqm @ Rs 8	-		
13	5.9.5 Centering and shutterin girders bressumers and		g strutting, e	-	·	·	I	
	long beam bottom	2	3.850	0.300			2.310	
	Long beam sides	2*2	3.850	0.250			3.850	
	short beam bottom	2	2.600	0.300			1.560	
	short beam sides	2*2	2.600	0.250			2.600	
			Can	2	То	tal Quantity	10.320 sqn	n
			1	12-1	Fotal Deduct	ed Quantity	0.000 sqm	
		1	336	0 2	Net To	tal Quantity	10.320 sqm	1
		11	S	ay 10.320 s	sqm @ Rs 6	78.28 / sqm	Rs 69	99.85
	Abutments, Posts and Columns	1	1.200	2.2500			2.700	
	Sides of column footing	Kera	ala _{3.600} at	er _{0.250} th	lority		0.900	
		\mathcal{D}	2		То	tal Quantity	3.600 sqm	
					Fotal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	3.600 sqm	
				Say 3.600 s	sqm @ Rs 9	01.48 / sqm	Rs 32	45.33
15	13.7.1 12 mm cement plaster fi	inished with	a floating c	oat of neat	cement of m	nix:1:3(1 ce	ment : 3 fine	e sand)
	Inside of tank floor	1	8.000	5.500			44.000	
	Inside tank	1	27.000	2.500			67.500	
	Haunch	1	27.000	0.400			10.800	
	column	1	1.200	2.2500			2.700	
	column footing side	1	3.600	0.2500			0.900	
					То	tal Quantity	125.900 sc	Im
				T	Fotal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	125.900 sq	m
			Sa	v 125.900 s	sqm @ Rs 4	18 79 / sam	Rs 527	725 66

16	13.8.2							
	15 mm cement plaster cement of mix:1: 4 (1	-	-	le or half b	prick wall fir	nished with	a floating c	oat of r
	Base slab sides	1 1	9.4+9.4+6. 9+6.9	0.200			6.521	
	Base slab top	1	9.4+9.4+6.	0.400			12.400	
	Outside of sump	1	8.6+8.6+6. 1+6.1	2.750			80.850	
	Cover slab top	1	9.500	7.000			66.500	
	Cover slab side	1	33.000	0.150			4.950	
	Ceiling	1	8.000	5.500			44.000	
	Projection of cover slab bottom	1	31.000	0.450	2		13.951	
	Beam sides(Long beam)	2	7.700	0.250	121		3.850	
	Beam sides(short beam)	2	5.200	0.250	230	Ę.	2.600	
			Sales and	a de la	То	tal Quantity	235.622 so	qm
		Kei	rala Wate	er Autl	Total Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	235.622 sq	m
			Sa	y 235.622 s	sqm @ Rs 4	53.75 / sqm	Rs 106	6913.48
17	100.41.33 Supplying and fixing 50 labour charges etc com		CI manhole c	over with fi	rame(mediu	um duty) cha	arges includ	ling all c
		2					2.000	
					То	tal Quantity	2.000 Nos	
					Fotal Deduct	ed Quantity	0.000 Nos	
					Net To	tal Quantity	2.000 Nos	
			S	ay 2.000 N	los @ Rs 78	35.95 / Nos	Rs 15	671.90
18	13.44.1 Finishing walls with wat @ 3.84 kg/10 sqm)	er proofin	g cement pain	t of require	ed shade:Ne	w work (Two	o or more co	oats app
	Base slab sides	1	9.4+9.4+6. 9+6.9	0.200			6.521	
	Base slab top	1	9.4+9.4+6.	0.400			12.400	

·								
	Outside of sump	1	8.6+8.6+6. 1+6.1	2.750			80.850	
	Cover slab top	1	9.500	7.000			66.500	
	Cover slab side	1	33.000	0.150			4.950	
	Ceiling	1	8.000	5.500			44.000	
	Projection of cover slab bottom	1	31.000	0.450			13.951	
	Beam sides(Long beam)	2	7.700	0.250			3.850	
	Beam sides(short beam)	2	5.200	0.250			2.600	
			168	A.	То	tal Quantity	235.622 sc	ım
			6.1	T	otal Deduct	ed Quantity	0.000 sqm	
		6	18 2	\mathcal{R}	Net To	tal Quantity	235.622 sq	m
		(k)	Sa	y 235.622 s	qm @ Rs 1	12.09 / sqm	Rs 264	410.87
19	10.26.3 Providing and fixing ha staircase railing and si		and the second second	and the second second			-	
	For 2 Nos	Ladder (Le	ngth 3 mtr, \	Nidth 50 cm	n, 3.65 kg foi	r 1 mtr lengt	h GI pipe)	
	Long member	Kera	ala _{3.000} at	er Auth	ority	3.65	43.800	
	Short member	22	0.500			3.65	40.150	
					То	tal Quantity	83.950 kg	
				Т	otal Deduct	ed Quantity	0.000 kg	
					Net To	tal Quantity	83.950 kg	
				Say 83.9	50 kg @ Rs	194.18 / kg	Rs 16	301.41
20	od149225/2018_2019 DOWEL BARS - Supp 1m in concrete) includ cement grout(0.10kg/d	ding drilling	holes of 20				•	
		50					50.000	
					То	tal Quantity	50.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	50.000 No	
				Say 50.00	0 No @ Rs 4	481.80 / No	Rs 24	090.00
21	od148944/2018_2019							
	Supplying and fixing 10	0mm dia ve	ent cowl incl.	fitting charg	ges etc. com	plete		

		2					2.000	
					Тс	otal Quantity	2.000 No	
				Т	Total Deduct	ted Quantity	0.000 No	
					Net To	otal Quantity	2.000 No	
				Say 2.000	No @ Rs 3	484.50 / No	Rs 69	69.00
22	od148945/2018_2019 Supplying & fixing wall o overflow including labor as per order no : KWA/	ur charges e	etc. Comple	te and inter	connecting	overflow uni		
		1					1.000	
			0	6	Tc	tal Quantity	1.000 No	
			JAN	19/1	Total Deduct	ted Quantity	0.000 No	
		-	6.27		Net To	otal Quantity	1.000 No	
		6.4	X Z	Say 1.000 I	No @ Rs 48	175.54 / No	Rs 48	175.54
SI No	Description	No	1.0	В	D	CF	Quantity	Remark
1	2.8.1 Earth work in excavati	hous	se (Cost	t Index:41.5 ans (Hydra	ulic excava	itor) /manua	I means in	foundation
1	2.8.1 Earth work in excavati trenches or drains (not ramming of bottoms, li excavated soil as direc	hous ion by mec t exceeding ft up to 1.5	se (Cost chanical me g 1.5 m in w 5 m, includir	t Index:41.5 ans (Hydra ridth or 10 s ng getting o 50 m.All kin	is %) ulic excava sqm on plar ut the exca ds of soil	ntor) /manua	Il means in dressing o Ind disposa	foundation f sides and
1	2.8.1 Earth work in excavati trenches or drains (not ramming of bottoms,-li	hous ion by mec t exceeding ft up to 1.5	se (Cost chanical me g 1.5 m in w 5 m, includir	t Index:41.5 ans (Hydra ridth or 10 s ng getting o	33 %) ulic excava sqm on/plar ut the exca	ntor) /manua	I means in dressing o	foundation f sides and
1	2.8.1 Earth work in excavati trenches or drains (not ramming of bottoms, li excavated soil as direc	hous ton by mec t exceeding ft up to 1.5 cted, within	se (Cost chanical me 1.5 m in w 5 m, includir a lead of 5	t Index:41.5 ans (Hydra ridth or 10 s ng getting o 50 m.All kin	is %) ulic excava sqm on plar ut the exca ds of soil	ntor) /manua	Il means in dressing o Ind disposa	foundation f sides and
1	2.8.1 Earth work in excavati trenches or drains (not ramming of bottoms, li excavated soil as direct Foundation	hous fon by mec t exceeding ft up to 1.5 cted, within 1	se (Cost chanical me 1.5 m in w 5 m, includir a lead of 5 27.800	t Index:41.5 ans (Hydra ridth or 10 s ng getting o 50 m.All kin 0.800	ulic excava sqm on plar ut the exca ds of soil	ntor) /manua	Il means in dressing o Ind disposa 13.345	foundation f sides and
1	2.8.1 Earth work in excavati trenches or drains (not ramming of bottoms, li excavated soil as direct Foundation	hous ton by mec t exceeding ft up to 1.5 cted, within 1 5	se (Cost chanical me 1.5 m in w 5 m, includir a lead of 5 27.800 1.500	t Index:41.5 ans (Hydra ridth or 10 s ng getting o 50 m.All kin 0.800 1.500	ulic excava sqm on plan ut the exca ds of soil 0.600 1.000	ntor) /manua	I means in dressing o ind disposa 13.345 11.250	foundation f sides and
1	2.8.1 Earth work in excavati trenches or drains (not ramming of bottoms, li excavated soil as direct Foundation Column foundation For Soakpit Deduction for column	hous ton by mec t exceeding ft up to 1.5 cted, within 1 5 1	se (Cost chanical me of 1.5 m in w 5 m, includin a lead of 5 27.800 1.500 1.200	t Index:41.5 ans (Hydra ridth or 10 s ng getting o 50 m.All kin 0.800 1.500 1.200	33 %) ulic excava sqm on plar ut the exca ds of soil 0.600 1.800 0.600	ntor) /manua	Il means in dressing o and disposa 13.345 11.250 2.592 -2.880	foundation f sides and I of surplus
1	2.8.1 Earth work in excavati trenches or drains (not ramming of bottoms, li excavated soil as direct Foundation Column foundation For Soakpit Deduction for column	hous ton by mec t exceeding ft up to 1.5 cted, within 1 5 1	se (Cost chanical me of 1.5 m in w 5 m, includin a lead of 5 27.800 1.500 1.200	t Index:41.5 ans (Hydra ridth or 10 s ng getting o 50 m.All kin 0.800 1.500 1.200 -0.8	ulic excava sqm on plar ut the exca ds of soil 0.600 1.000 1.800 0.600 Tc	ntor) /manua n), including avated soil a	Il means in dressing o and disposa 13.345 11.250 2.592 -2.880 24.307 cur	foundation f sides and I of surplus
1	2.8.1 Earth work in excavati trenches or drains (not ramming of bottoms, li excavated soil as direct Foundation Column foundation For Soakpit Deduction for column	hous ton by mec t exceeding ft up to 1.5 cted, within 1 5 1	se (Cost chanical me of 1.5 m in w 5 m, includin a lead of 5 27.800 1.500 1.200	t Index:41.5 ans (Hydra ridth or 10 s ng getting o 50 m.All kin 0.800 1.500 1.200 -0.8	ulic excava sqm on plar ut the exca ds of soil 0.600 1.000 1.800 0.600 Tc Total Deduct	ntor) /manua n), including wated soil a	Il means in dressing o and disposa 13.345 11.250 2.592 -2.880 24.307 cur 0.000 cum	foundation f sides and I of surplus
1	2.8.1 Earth work in excavati trenches or drains (not ramming of bottoms, li excavated soil as direct Foundation Column foundation For Soakpit Deduction for column	hous ton by mec t exceeding ft up to 1.5 cted, within 1 5 1	se (Cost chanical me 1.5 m in w 5 m, includin a lead of 5 27.800 1.500 1.200 1.500	t Index:41.5 ans (Hydra ridth or 10 s ng getting o 50 m.All kin 0.800 1.500 1.200 -0.8	ulic excava sqm on plar ut the exca ds of soil 0.600 1.000 1.800 0.600 To Total Deduct	ntor) /manua n), including wated soil a wated soil a btal Quantity ted Quantity	Il means in dressing o and disposa 13.345 11.250 2.592 -2.880 24.307 cur 0.000 cum 24.307 cur	foundation f sides and I of surplus
1	2.8.1 Earth work in excavati trenches or drains (not ramming of bottoms, li excavated soil as direct Foundation Column foundation For Soakpit Deduction for column	house ion by mec t exceeding ft up to 1.5 cted, within 1 5 1 4 4	se (Cost chanical me of 1.5 m in w o m, includin a lead of 5 27.800 1.500 1.500 1.500 5 (excluding e	t Index:41.5 ans (Hydra idth or 10 s ig getting o io m.All kin 0.800 1.500 1.200 -0.8 T Say 24.307 c rock) in tren each deposi	ulic excava sqm on plar ut the exca ds of soil 0.600 1.000 1.800 0.600 Total Deduct Cotal Deduct Cotal Deduct cum @ Rs 3 oches, plinth ted layer by	ntor) /manua n), including wated soil a wated soil a btal Quantity ted Quantity ted Quantity otal Quantity 09.95 / cum	Il means in dressing o and disposa 13.345 11.250 2.592 -2.880 24.307 cur 0.000 cum 24.307 cur Rs 75 undations e	foundation f sides and I of surplus n n i33.95 tc. in layers
	2.8.1 Earth work in excavati trenches or drains (not ramming of bottoms, li excavated soil as direct Foundation Column foundation For Soakpit Deduction for column foundation 50.2.25.1 Filling with contractor's not exceeding 20 cm in	house ion by mec t exceeding ft up to 1.5 cted, within 1 5 1 4 4	se (Cost chanical me of 1.5 m in w o m, includin a lead of 5 27.800 1.500 1.500 1.500 5 (excluding e	t Index:41.5 ans (Hydra idth or 10 s ig getting o io m.All kin 0.800 1.500 1.200 -0.8 T Say 24.307 c rock) in tren each deposi	ulic excava sqm on plar ut the exca ds of soil 0.600 1.000 1.800 0.600 Total Deduct Cotal Deduct Cotal Deduct cum @ Rs 3 oches, plinth ted layer by	ntor) /manua n), including wated soil a wated soil a btal Quantity ted Quantity ted Quantity otal Quantity 09.95 / cum	Il means in dressing o and disposa 13.345 11.250 2.592 -2.880 24.307 cur 0.000 cum 24.307 cur Rs 75 undations e	foundation f sides and I of surplus n n i33.95 tc. in layers

					l otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	19.800 cun	า
			S	ay 19.800 d	cum @ Rs 5	48.85 / cum	Rs 10	867.23
3	7.1.1 Random rubble mason concrete 1:6:12 (1 ceme level with:Cement morta	ent : 6 coa	rse sand : 12	graded sto	•	-	• •	
	Foundation	1	27.800	0.600	0.600		10.008	
	Basement	1	27.800	0.450	0.450		5.630	
	Deduction for column footing	4	1.400	0.600	0.300		-1.008	
		4	1.200	0.450	0.200		-0.432	
			11		Тс	tal Quantity	15.638 cu	n
					Fotal Deduct	ed Quantity	-1.440 cum	l
		(k)	1 1 10	7. V A	Net To	tal Quantity	14.198 cun	า
4	4.1.6 Providing and laying in	•	ement concre	ete of spec	ified grade e	-	e cost of ce	-
4	Providing and laying in shuttering - All work up t nominal size)	o plinth le	ement concre	ete of spec	ified grade o	excluding the	e cost of ce	ntering and
4	Providing and laying in shuttering - All work up t	o plinth le Ker	ement concrevel:1:3:6 (1 c	ete of spec cement : 3 c er Auth	ified grade e coarse sand	excluding the	e cost of ce stone aggre	ntering and
4	Providing and laying in shuttering - All work up t nominal size) Flooring	to plinth le Ker	ement concrevel:1:3:6 (1 c ala Wat 8.000	ete of spec cement : 3 o er Auth 5.500	ified grade e coarse sand tority 0.150	excluding the	e cost of ce stone aggre 6.600	ntering and
4	 Providing and laying in shuttering - All work up t nominal size) Flooring BEd for pumpset 	o plinth le Ker	ement concre vel:1:3:6 (1 c ala Wat 8.000 1.500	ete of spec cement : 3 o er Auth 5.500 1.500	ified grade e coarse sand 0.150 0.200	excluding the	e cost of ce stone aggre 6.600 0.900	ntering and
4	Providing and laying in shuttering - All work up t nominal size) Flooring BEd for pumpset Column base	o plinth le Ker 1 2 5	ement concrevel:1:3:6 (1 c ala Wat 8.000 1.500 1.500	ete of spec cement : 3 o er Auth 5.500 1.500 1.500	ified grade e coarse sand 0.150 0.200 0.200	excluding the	e cost of ce stone aggre 6.600 0.900 2.250	ntering and
4	Providing and laying in shuttering - All work up t nominal size) Flooring BEd for pumpset Column base Base course	bo plinth le Ker 1 2 5 1	ement concrevel:1:3:6 (1 concreve:1:3:6 (1 concreve:1:3	ete of spec cement : 3 o er Auth 5.500 1.500 1.500 0.800	ified grade e coarse sand 0.150 0.200 0.200 0.100 0.100	excluding the	e cost of ce stone aggre 6.600 0.900 2.250 2.224 1.125	ntering and gate 40 mm
4	Providing and laying in shuttering - All work up t nominal size) Flooring BEd for pumpset Column base Base course	bo plinth le Ker 1 2 5 1	ement concrevel:1:3:6 (1 concreve:1:3:6 (1 concreve:1:3	ete of spec cement : 3 o er Auth 5.500 1.500 1.500 0.800 1.500	ified grade e coarse sand 0.150 0.200 0.200 0.100 0.100 Tc	excluding the	e cost of ce stone aggre 6.600 0.900 2.250 2.224 1.125 13.099 cu	ntering and gate 40 mm
4	Providing and laying in shuttering - All work up t nominal size) Flooring BEd for pumpset Column base Base course	bo plinth le Ker 1 2 5 1	ement concrevel:1:3:6 (1 concreve:1:3:6 (1 concreve:1:3	ete of spec cement : 3 o er Auth 5.500 1.500 1.500 0.800 1.500	ified grade e coarse sand 0.150 0.200 0.200 0.100 0.100 To Total Deduct	excluding the : 6 graded s	e cost of ce stone aggre 6.600 0.900 2.250 2.224 1.125 13.099 cur 0.000 cum	ntering and gate 40 mm
4	Providing and laying in shuttering - All work up t nominal size) Flooring BEd for pumpset Column base Base course	bo plinth le Ker 1 2 5 1	ement concrevel:1:3:6 (1 concreve:1:3:6 (1 concreve:1:3	ete of spec cement : 3 o er Auth 5.500 1.500 1.500 0.800 1.500	ified grade e coarse sand 0.150 0.200 0.200 0.100 0.100 To Total Deduct Net To	excluding the : 6 graded s	e cost of ce stone aggre 6.600 0.900 2.250 2.224 1.125 13.099 cu 0.000 cum 13.099 cun	ntering and gate 40 mm
4	Providing and laying in shuttering - All work up t nominal size) Flooring BEd for pumpset Column base Base course	ng pre cas	ement concrevel:1:3:6 (1 or ala Wat 8.000 1.500 27.800 7.500 Sa st solid block of 1979 for	ete of spec cement : 3 o er Auth 5.500 1.500 1.500 0.800 1.500 1.500 1.500	ified grade e coarse sand 0.150 0.200 0.200 0.100 0.100 To Total Deduct Net To um @ Rs 75 made) of siz	excluding the : 6 graded s tal Quantity red Quantity 27.06 / cum e 40x20x200 floor two le	e cost of ce stone aggre 6.600 0.900 2.250 2.224 1.125 13.099 cu 0.000 cum 13.099 cun 13.099 cun Rs 98	ntering and gate 40 mm
	Providing and laying in r shuttering - All work up t nominal size) Flooring BEd for pumpset Column base Base course PCC 50.6.1.3 Solid block masonry usin size confirming to IS 2 ⁴	ng pre cas	ement concrevel:1:3:6 (1 or ala Wat 8.000 1.500 27.800 7.500 Sa st solid block of 1979 for	ete of spec cement : 3 o er Auth 5.500 1.500 1.500 0.800 1.500 1.500 1.500	ified grade e coarse sand 0.150 0.200 0.200 0.100 0.100 To Total Deduct Net To um @ Rs 75 made) of siz	excluding the : 6 graded s tal Quantity red Quantity 27.06 / cum e 40x20x200 floor two le	e cost of ce stone aggre 6.600 0.900 2.250 2.224 1.125 13.099 cu 0.000 cum 13.099 cun 13.099 cun Rs 98	ntering and gate 40 mm

	Derenet	4	9.1*2+6.6*	0.100	0.600		1.884	
	Parapet	1	2	0.100	0.000		1.004	
	Deduction -Rolling shutter	1	3.000	0.200	-3		1.801	
	Window	4	1.100	0.200	-1.5		1.321	
	Ventilator	1	0.800	0.200	6		0.097	
	Door for toilet	1	0.800	0.100	-1.8		0.145	
	Lintel	1	27.800	0.200	2		1.112	
					То	tal Quantity	33.406 cun	า
				Т	otal Deduct	ed Quantity	0.000 cum	
			Con	2	Net To	tal Quantity	33.406 cum	
			Sa	y 33.406 cu	m @ Rs 77	84.73 / cum	Rs 260	056.69
	Supplying and fixing ro together through their designed pipe shaft with and pull operation con springs manufactured the and M.S. top cover of the top cover	entire lengt h brackets, nplete, incl from high te	h and jointee side guides uding the co ensile steel v	d together a and arrange ost of provi wire of adeo	at the end b ements for in ding and fin quate streng ers.80x1.25	by end locks nside and ou king necess gth conform	, mounted c utside locking ary 27.5 cm ing to IS: 44 ths with 1.2 9.000	n specially g with push n long wire 54 - part 1
				Т		ed Quantity		
						tal Quantity	•	
			c	av 0.000 ca		17.29 / sqm		55 61
7	10.5.1 Providing and fixing 1 gusset plates at the jur coat of approved steel	nctions and	I.S. sheet do corners, all	por with fram	me of 40x40 fittings com	0x6 mm ang plete, includ	le iron and ding applying	3 mm M.S.
	Window	4	1.100	1.500	1.000		6.601	
	Ventilator	1	0.800	0.600	1.000		0.480	
					Тс	tal Quantity	7.081 sqm	
				Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	7.081 sqm	
			S	ay 7.081 sq	m @ Rs 54	40.63 / sqm	Rs 38	525.10
8	9.6.1							
	Providing and fixing 35	mm thick t	factory made	e laminated	veneer lun	nber door sh	nutter confor	ming to IS:

	14616 and TADS 15:2 required size with nece with panels of:12 mm t or graded wood particle as per IS: 848:	essery screv hick plain g	vs, all compl rade- 1, med	ete as per o dium density	directions of Engineer- y flat pressed three lay	n-Charge ar	nd panel oard FP
	Door	1	0.800	1.800		1.441	
					Total Quantity	/ 1.441 sqm	
				т	otal Deducted Quantity	0.000 sqm	
					Net Total Quantity	1.441 sqm	
			S	ay 1.441 sq	m @ Rs 3239.48 / sqm	Rs 46	68.09
	Providing and laying in centering, shuttering, fi sand :3 graded stone a	nishing and Iggregate 20	reinforceme) mm nomina	nt - All work al size	up to plinth level:1:1:5	:3 (1 cement	
	Column Footing	5	1.400	1.400	0.300	2.940	
		5	1.200	1.200	0.200	1.440	
		5	0.300	0.300	0.550	0.248	
					Total Quantity		
		τ	1 117		otal Deducted Quantity		
		Ker			OT Net Total Quantity		
		\mathbf{D}	S	ay 4.628 cu	m @ Rs 9483.15 / cum	Rs 43	888.02
10	5.2.2				in aluding attached pile	asters buttre	
10	5.2.2 Reinforced cement cor and string courses, fille excluding cost of cente 3 graded stone aggreg Lintel	ets, column ering, shutte	s, pillars, pie ring, finishing	ers, abutme g and reinfo	nts, posts and struts e	tc. up tot flo	or five le
10	Reinforced cement cor and string courses, fille excluding cost of cente 3 graded stone aggreg	ets, column ering, shutte ate 20mm	s, pillars, pie ring, finishing nominal size	ers, abutme g and reinfo)	nts, posts and struts e prcement :1:1.5:3(1 ce	tc. up tot floo ment : 1.5 cc	or five le
10	Reinforced cement cor and string courses, fille excluding cost of cente 3 graded stone aggreg Lintel	ets, column ering, shutte ate 20 mm 1	s, pillars, pie ring, finishing nominal size 27.800	ers, abutme g and reinfo) 0.200	nts, posts and struts e prcement :1:1.5:3(1 ce 0.200	tc. up tot floo ment : 1.5 cc	or five le
10	Reinforced cement cor and string courses, fille excluding cost of cente 3 graded stone aggreg Lintel Sunshade	ets, column ering, shutte ate 20 mm 1 1	s, pillars, pie ring, finishing nominal size 27.800 31.400	ers, abutme g and reinfo) 0.200 0.700	nts, posts and struts e prcement :1:1.5:3(1 ce 0.200 0.085	tc. up tot floo ment : 1.5 cc 1.112 1.869	or five le
10	Reinforced cement cor and string courses, fille excluding cost of cente 3 graded stone aggreg Lintel Sunshade Beams long	ets, column ering, shutte ate 20 mm 1 1 1	s, pillars, pie ring, finishing nominal size 27.800 31.400 8.400	ers, abutme g and reinfo) 0.200 0.700 0.300	nts, posts and struts e orcement :1:1.5:3(1 ce 0.200 0.085 0.400	tc. up tot floo ment : 1.5 cc 1.112 1.869 1.008	or five le
10	Reinforced cement cor and string courses, fille excluding cost of cente 3 graded stone aggreg Lintel Sunshade Beams long Beams short	ets, column ering, shutte ate 20 mm 1 1 1 2	s, pillars, pie ring, finishing nominal size 27.800 31.400 8.400 2.600	ers, abutme g and reinfo) 0.200 0.700 0.300 0.300	0.200 0.200 0.085 0.400	tc. up tot floo ment : 1.5 cc 1.112 1.869 1.008 0.625	or five le
10	Reinforced cement cor and string courses, fille excluding cost of cente 3 graded stone aggreg Lintel Sunshade Beams long Beams short Beam cover shutter	ets, column ering, shutte ate 20 mm 1 1 1 2 1	s, pillars, pie ring, finishing nominal size 27.800 31.400 8.400 2.600 3.300	ers, abutmerg and reinfo) 0.200 0.700 0.300 0.300 0.200	0.200 0.200 0.085 0.400 0.300	tc. up tot floo ment : 1.5 cc 1.112 1.869 1.008 0.625 0.198	or five le
	Reinforced cement cor and string courses, fille excluding cost of center 3 graded stone aggreg Lintel Sunshade Beams long Beams short Beam cover shutter Roof slab	ets, column ering, shutte ate 20 mm 1 1 1 2 1 1 1	s, pillars, pie ring, finishing nominal size 27.800 31.400 8.400 2.600 3.300 9.100	ers, abutmerg and reinfor) 0.200 0.700 0.300 0.300 0.200 6.600	0.200 0.200 0.085 0.400 0.300 0.100	tc. up tot floo ment : 1.5 cc 1.112 1.869 1.008 0.625 0.198 6.006	or five le

					Total Deduct	ted Quantity	0.000 cum	
					Net To	otal Quantity	12.898 cum)
			Say	12.898 cur	m @ Rs 114	33.93 / cum	Rs 147	474.83
11	5.22.6 Steel reinforcement binding all complete		-	-				
	Qty same(10+11)	1	4.628+12. 898			120.0	2103.120	
					Тс	otal Quantity	2103.120	kilogram
				-	Total Deduct	ted Quantity	0.000 kilogi	am
			R	6	Net To	otal Quantity	2103.120 k	ilogram
			Say 2103.12	0 kilogram	@ Rs 102.6	1 / kilogram	Rs 215	801.14
12	5.9.1 Centering and shutte columns, etc for mas		ng strutting, et	c. and remo	oval of form	for:Foundat	ions, footing	s, bases
	Column footing	5	1.4*4	0.300	1.8		8.400	
		5	1.2*4	0.200	632	5	4.800	
		5	.3*4	0.450			2.700	
		Ke	rala Wate	er Auth	lority	otal Quantity ted Quantity		n
		D	DI			otal Quantity		
		T .		av 15 900 s		50.00 / sqm		
13	5.9.3 Centering and shutt landings, balconies	-		etc. and	removal of	form for:Su	spended flo	oors, roof
	Sunshade	1	9.1*2+6.6* 2	0.700			21.980	
	Side	1	9.8*2+2*7. 2		0.085		2.890	
	Roof slab	1	8.700	5.800			50.460	
	Side	1	8.7*2+5.8* 2		0.100		2.901	
	Soakpit slab	1	1.200	1.200			1.440	
		1	1.2*4		0.150		0.720	
					To	otal Quantity	80.391 sqr	n

					Net To	tal Quantity	80.391 sqn	า
			S	ay 80.391 s	sqm @ Rs 8	51.52 / sqm	Rs 68	454.54
14	5.9.5 Centering and shutter girders bressumers a	-		etc. and ren	noval of forr	n for:Lintels	, beams, pl	inth beam
	Lintel	1	27.800	0.300			8.340	
	Beams	1	8.400		.4*2		6.721	
		2	2.600		.4*2		4.160	
	Beam over shutter	1	3.300	0.850			2.805	
					То	tal Quantity	22.026 sqr	m
			Ca	2	Fotal Deduct	ed Quantity	0.000 sqm	
			21	m-	Net To	tal Quantity	22.026 sqn	า
			s	ay 22.026 s	sqm @ Rs 6	78.28 / sqm	Rs 14	939.80
	Centering and shutte Abutments, Posts an	and the second s	.3*4		3.600	L.	4.320	
			.5 4	100	5.000		4.520	
		4	3+1+1		3 600		7 200	
		4 Vo:	.3+.1+.1	or Auth	3.600	tal Quantity	7.200	m
		17	1964	er Auth	nority To	tal Quantity	11.520 sqr	n
		17	1964		Tority To	ed Quantity	11.520 sqr 0.000 sqm	
		17	ala Wat		Fotal Deduct	ed Quantity Ital Quantity	11.520 sqr 0.000 sqm 11.520 sqn	า
16	13.7.1 12 mm cement plaster	P	rala Wat	ay 11.520 s	Total Deduct Net To Soqm @ Rs 9	ed Quantity tal Quantity 01.48 / sqm	11.520 sqr 0.000 sqm 11.520 sqn Rs 10	n 385.05
16		P	rala Wat	ay 11.520 s	Total Deduct Net To Soqm @ Rs 9	ed Quantity tal Quantity 01.48 / sqm	11.520 sqr 0.000 sqm 11.520 sqn Rs 10	n 385.05
16	12 mm cement plaster	Finished wi	th a floating c	ay 11.520 s	Total Deduct Net To Soqm @ Rs 9	ed Quantity tal Quantity 01.48 / sqm	11.520 sqr 0.000 sqm 11.520 sqn Rs 10 ement : 3 find	n 385.05
16	12 mm cement plaster Ceiling and top	finished wi	th a floating o	ay 11.520 s toat of neat 7.200	Total Deduct Net To sqm @ Rs 9 cement of m	ed Quantity tal Quantity 01.48 / sqm	11.520 sqr 0.000 sqm 11.520 sqn Rs 10 ement : 3 find 139.680 48.000	n 385.05 e sand)
16	12 mm cement plaster Ceiling and top	finished wi	th a floating o	ay 11.520 s toat of neat 7.200 6.000	Total Deduct Net To sqm @ Rs 9 cement of m	ed Quantity tal Quantity 01.48 / sqm hix:1:3 (1 ce	11.520 sqr 0.000 sqm 11.520 sqn Rs 10 ement : 3 find 139.680 48.000 187.680 sc	n 385.05 e sand)
16	12 mm cement plaster Ceiling and top	finished wi	th a floating o	ay 11.520 s toat of neat 7.200 6.000	Total Deduct Net To sqm @ Rs 9 cement of m To Total Deduct	ed Quantity tal Quantity 01.48 / sqm hix:1:3 (1 ce	11.520 sqr 0.000 sqm 11.520 sqn Rs 10 ement : 3 fine 139.680 48.000 187.680 sq 0.000 sqm	n 385.05 e sand) qm
16	12 mm cement plaster Ceiling and top	finished wi	th a floating of 9.700 8.000	ay 11.520 s toat of neat 7.200 6.000	Total Deduct Net To sqm @ Rs 9 cement of m To Total Deduct	ed Quantity Ital Quantity 01.48 / sqm hix:1:3 (1 ce Ital Quantity ed Quantity Ital Quantity	11.520 sqr 0.000 sqm 11.520 sqn Rs 10 ement : 3 fine 139.680 48.000 187.680 sq 0.000 sqm 187.680 sq	n 385.05 e sand) qm
16	12 mm cement plaster Ceiling and top	finished wir 2 1	th a floating of 9.700 8.000 Sa	ay 11.520 s toat of neat 7.200 6.000	Total Deduct Net To sqm @ Rs 9 cement of m Cotal Deduct Net To sqm @ Rs 4	ed Quantity tal Quantity 01.48 / sqm nix:1:3 (1 ce tal Quantity ed Quantity tal Quantity 18.79 / sqm	11.520 sqr 0.000 sqm 11.520 sqn Rs 10 ement : 3 find 139.680 48.000 187.680 sq 0.000 sqm 187.680 sq Rs 78	n 385.05 e sand) qm m 598.51

		1	8.4*2+5.9* 2	4.500		128.701		
	Parapet	1	9.1*2+6.6* 2	1.300		40.820		
	Column	4	0.200	4.100		3.280		
		1	.3*4	4.100		4.920		
	Beams	2	2.850	1.000		5.700		
		1	8.400	1.000		8.400		
	Beams over shutter	1	3.200	0.800		2.561		
	Deduction	1	3.000	3.000		-9.000		
		1	0.800	1.800		-1.440		
		4	1.100	1.500		-6.600		
		1	0.800	0.600	3	-0.480		
	Shutter	1	3.000	3.000	1 4 1	9.000		
		1A	(D)	PL	Total Quantity	324.882 sqm		
		1ah	K.G.	Sol 1	Total Deducted Quantity	-17.520 sqm		
		1		10 01 00	Net Total Quantity	307.362 sqm		
		Var			sqm @ Rs 453.75 / sqm	Rs 139465.51		
18	13.44.1 Finishing walls with wat @ 3.84 kg/10 sqm)	er proofing		er Auth	ed shade:New work (Two	o or more coats applied		
	Qty same 17 and 18(187.68+307.362)	1	187.68+30 7.362			495.043		
					Total Quantity	495.043 sqm		
				Г	Total Deducted Quantity	0.000 sqm		
					Net Total Quantity	495.043 sqm		
			Sa	y 495.043 s	sqm @ Rs 112.09 / sqm	Rs 55489.37		
19	13.50.1 Applying priming coat:V (hard and soft wood)	Vith ready r	nixed pink o	r Grey prim	er of approved and mar	ufacture on wood work		
	Shutter	1	3.000	3.000		9.000		
					Total Quantity	9.000 sqm		
				T	Total Deducted Quantity	0.000 sqm		
					Net Total Quantity	9.000 sqm		
	Net Total Quantity 9.000 sqm @ Rs 70.13 / sqm							

20	13.48.3 Finishing with Delux manufacturers specif Two or more coat ap approved brand and	ications:Pain plied @ 0.90	ting Steel wo Itr/10 sqm o	ork with Del	uxe Multi Su	urface Paint	to give an e	even shade.		
	Shutter	1	3.000	3.000			9.000			
	Window	4	1.100	1.500			6.601			
			L	L	To	otal Quantity	15.601 sqi	n		
				Т	otal Deduct	ed Quantity	0.000 sqm			
					Net To	tal Quantity	15.601 sqn	า		
			S	ay 15.601 s	qm @ Rs 1	54.62 / sqm	Rs 24	12.23		
21	13.71 Lettering with black Japan pint of approved brand and manufacture									
		100	15.000	0 7	2		1500.000			
		(b)	N	DA	Тс	otal Quantity	1500.000 ht	Letterxcm		
		102	Ka	Т	otal Deduct	ed Quantity	0.000 Lette	erxcm ht		
	Net Total Quantity 1500.000 Letterxcm ht @ Rs 5.80 / Letterxcm ht Rs 8700.00									
		Say 2	1500.000 Let	terxcm ht @						
22	od148939/2018_2019 Providing sanitary fac tank and 100ltr water	Her Ker	ala Wat	er Auth s including v	Rs 5.80 / L Ority vater closet	_etterxcm ht	Rs 87	700.00		
22	Providing sanitary fac	Her Ker	ala Wat	er Auth s including v	Rs 5.80 / L Ority vater closet electrical fit	_etterxcm ht ,flushing cis ttings.	Rs 87 stern ,wash 1.000	700.00		
22	Providing sanitary fac	Her Silities and electronic tank and oth	ala Wat	er Auth s including v sanitary and	Rs 5.80 / L Ority vater closet electrical fit	_etterxcm ht ,flushing cis ttings. 	Rs 87 stern ,wash 1.000 1.000 No	700.00		
22	Providing sanitary fac	Her Silities and electronic tank and oth	ala Wat	er Auth s including v sanitary and	Rs 5.80 / L Ority vater closet electrical fit Cotal Deduct	_etterxcm ht ,flushing cis ttings. otal Quantity and Quantity	Rs 87 stern ,wash 1.000 1.000 No 0.000 No	700.00		
22	Providing sanitary fac	Her Silities and electronic tank and oth	ala Wat	er Auth s including v sanitary and	Rs 5.80 / L Ority vater closet electrical fit cotal Deduct Net To	_etterxcm ht ,flushing cis ttings. otal Quantity and Quantity otal Quantity	Rs 87 stern ,wash 1.000 1.000 No 0.000 No 1.000 No	700.00		
	Providing sanitary factors tank and 100ltr water	bilities and electron terms and other terms and other terms and te	ala Wat	er Auth s including v sanitary and	Rs 5.80 / L Ority vater closet electrical fit cotal Deduct Net To	_etterxcm ht ,flushing cis ttings. otal Quantity and Quantity	Rs 87 stern ,wash 1.000 1.000 No 0.000 No 1.000 No	700.00		
22	Providing sanitary fac	with hard stor	ala Wat	er Auth s including v sanitary and T Say 1.000 N tion and plir	Rs 5.80 / L OTITY vater closet electrical fit cotal Deduct Net To Net To No @ Rs 86	_etterxcm ht ,flushing cis ttings. otal Quantity and Quantity otal Quantity 206.16 / No	Rs 87 stern ,wash 1.000 1.000 No 0.000 No 1.000 No Rs 86 p with ceme	200.00		
	Providing sanitary factors tank and 100ltr water od148926/2018_2019 Dry rubble masonry v 1:6:12 (1 cement : 6	with hard stor	ala Wat	er Auth s including v sanitary and T Say 1.000 N tion and plir	Rs 5.80 / L OTITY vater closet electrical fit cotal Deduct Net To Net To No @ Rs 86	_etterxcm ht ,flushing cis ttings. otal Quantity and Quantity otal Quantity 206.16 / No	Rs 87 stern ,wash 1.000 1.000 No 0.000 No 1.000 No Rs 86 p with ceme	200.00		
	Providing sanitary factors tank and 100ltr water od148926/2018_2019 Dry rubble masonry v 1:6:12 (1 cement : 6	with hard stor	ala Wat	er Auth s including v sanitary and T Say 1.000 N tion and plir d stone agg	Rs 5.80 / L OTITY vater closet electrical fit electrical fit To Total Deduct Net To No @ Rs 86 oth including regate 20 m	_etterxcm ht ,flushing cis ttings. otal Quantity and Quantity otal Quantity 206.16 / No	Rs 87 stern ,wash 1.000 1.000 No 0.000 No 1.000 No Rs 86 p with ceme size) up to 6.783	200.00 basin,septic 206.16 ent concrete plinth level		
	Providing sanitary factors tank and 100ltr water od148926/2018_2019 Dry rubble masonry v 1:6:12 (1 cement : 6	with hard stor	ala Wat	er Auth s including v sanitary and T Say 1.000 N tion and plin d stone agg 3.14*.6	Rs 5.80 / L OTITY vater closet electrical fit electrical fit To Total Deduct Net To No @ Rs 86 hth including regate 20 n 1.800 To	_etterxcm ht ,flushing cis ttings. otal Quantity and Quantity 206.16 / No g levelling u nm nominal	Rs 87 stern ,wash 1.000 1.000 No 0.000 No 1.000 No 1.000 No stern ,wash 6.783 6.783 cum	200.00 basin,septic 206.16 ent concrete plinth level		
	Providing sanitary factors tank and 100ltr water od148926/2018_2019 Dry rubble masonry v 1:6:12 (1 cement : 6	with hard stor	ala Wat	er Auth s including v sanitary and T Say 1.000 N tion and plin d stone agg 3.14*.6	Rs 5.80 / L OTITY vater closet electrical fit cotal Deduct Net To No @ Rs 86 nth including regate 20 n 1.800 To Total Deduct	_etterxcm ht ,flushing cis ttings. 	Rs 87 stern ,wash 1.000 1.000 No 0.000 No 1.000 No 1.000 No 0.000 No 6.783 6.783 cum 0.000 cum	200.00 basin,septic 206.16 ent concrete plinth level		

24	11.21.1.1 Providing and fixing ² and / or alkali resistir 4457, complete as pe (1 acid proof cement	ng mortar bed er the directio	ding, and joi n of Enginee	nts filled wit er-in-Charge	h acid and / e.In flooring	or alkali resi	sting cemen	t as per IS :		
	Floor	1 1	2.800	1.500			4.200			
		1	2.000	1.500		tal Quantity				
						ed Quantity				
							tity 4.200 sqm			
			S	Sav 4 200 sc		36.85 / sqm		14 77		
25	11.21.2.1 Providing and fixing ² and / or alkali resistin 4457, complete as po acid proof cement : 4	ng mortar bed er the directio	ding, and joi n of Enginee	nts filled wit er-in-Charge	h acid and / e.In dado/ sł	or alkali resi	sting cemen	t as per IS		
	For side wall	1	8.600	3.000	LA!		25.800			
	Deduction	1	0.800	0.400	1.50	1.1	-0.320			
		1	1.800	0.800	13D		-1.440			
				IN DE L	Тс	otal Quantity	25.800 sqr	n		
		Ker	ala Wat	er Aut	otal Deduct	ed Quantity	-1.760 sqm			
					Net To	tal Quantity	24.040 sqm	1		
		Ρ	Sa	ay 24.040 so	ım @ Rs 19	75.33 / sqm	Rs 474	186.93		
SI No	Description	No	E E	В	D	CF	Quantity	Remark		
18Apper	ndix B - (6) - construct	ion of interm wall and com	-	-	Nariyanpar ndex:41.53	.,	truction of	protection		
1	2.8.1 Earth work in excav trenches or drains (ramming of bottoms excavated soil as di	not exceeding , lift up to 1.8 rected, withir	g 1.5 m in w 5 m, includir n a lead of 5	vidth or 10 s ng getting o 50 m.All kin	sqm on plar ut the exca ds of soil	n), including	dressing o Ind disposa	f sides and		
		1	23.000	1.200	1.500		41.400			
						otal Quantity		n		
				7		ed Quantity				
							41.400 cum			
			S	Say 41.400 c	um @ Rs 3	09.95 / cum	Rs 128	331.93		
2	4.1.5 Providing and laying	in position ce	ement concr	ete of spec	fied grade (excluding th	e cost of ce	ntering and		

	nominal size)							
	, ,	1	23.000	1.200	0.200		5.520	
					Т	otal Quantity	5.520 cum	
				-	Total Deduc	ted Quantity	0.000 cum	
					Net To	otal Quantity	5.520 cum	
			S	ay 5.520 ci	um @ Rs 76	90.32 / cum	Rs 42	450.57
3	concrete 1:6:12 (masonry with ha (1 cement : 6 coa nt mortar 1:6 (1 co	rse sand : 12	graded sto	•	-	• •	
		1	23.000	0.900	1.600		33.120	
			6.11		Т	otal Quantity	33.120 cu	n
		6	X 2	X X	Total Deduc	ted Quantity	0.000 cum	
		11	11/10	<u>ava</u>	Net To	otal Quantity	33.120 cun	า
	Say 33.120 cum @ Rs 7520.41 / cum Rs 249							
4		ent concrete work es, fillets, columr	in walls (any	thickness)	, including a	attached pila	sters, buttre	
4	Reinforced ceme and string course excluding cost of 3 graded stone a	es, fillets, columr f centering, shutte aggregate 20 mm	in walls (any ns, pillars, pie ering, finishin nominal size	thickness) ers, abutme g and reinfo	, including a ents, posts a orcement :1	attached pila and struts et	sters, buttre c. up tot flo nent : 1.5 co	esses, pli or five le
4	Reinforced ceme and string course excluding cost of 3 graded stone a Belt	es, fillets, columr f centering, shutte aggregate 20 mm 1	in walls (any ns, pillars, pie ering, finishin nominal size 23.000	thickness) ers, abutme g and reinfe) 0.900	, including a ents, posts a orcement :1 0.150	attached pila and struts et	sters, buttre c. up tot flo nent : 1.5 cc 3.105	esses, pli or five le
4	Reinforced ceme and string course excluding cost of 3 graded stone a	es, fillets, columr f centering, shutte aggregate 20 mm	in walls (any ns, pillars, pie ering, finishin nominal size	thickness) ers, abutme g and reinfo	, including a ents, posts a orcement :1 0.150 0.050	attached pila and struts et :1.5:3(1 cen	sters, buttre c. up tot flo nent : 1.5 cc 3.105 0.690	esses, pli or five le parse sar
4	Reinforced ceme and string course excluding cost of 3 graded stone a Belt	es, fillets, columr f centering, shutte aggregate 20 mm 1	in walls (any ns, pillars, pie ering, finishin nominal size 23.000	thickness) ers, abutme g and reinfe) 0.900 0.600	, including a ents, posts a orcement :1 0.150 0.050	attached pila and struts et :1.5:3(1 cen	sters, buttre c. up tot flo nent : 1.5 cc 3.105 0.690 3.795 cum	esses, pli or five le parse sar
4	Reinforced ceme and string course excluding cost of 3 graded stone a Belt	es, fillets, columr f centering, shutte aggregate 20 mm 1	in walls (any ns, pillars, pie ering, finishin nominal size 23.000	thickness) ers, abutme g and reinfe) 0.900 0.600	, including a ents, posts a orcement :1 0.150 0.050 Total Deduc	attached pila and struts et :1.5:3(1 cen ptal Quantity ted Quantity	sters, buttre c. up tot flo nent : 1.5 cc 3.105 0.690 3.795 cum 0.000 cum	esses, pli or five le parse sar
4	Reinforced ceme and string course excluding cost of 3 graded stone a Belt	es, fillets, columr f centering, shutte aggregate 20 mm 1	in walls (any ns, pillars, pie ering, finishin nominal size 23.000 23.000	thickness) ers, abutme g and reinfe) 0.900 0.600	, including a ents, posts a orcement :1 0.150 0.050 Total Deduct Net To	attached pila and struts et :1.5:3(1 cen otal Quantity ted Quantity otal Quantity	sters, buttre c. up tot flo nent : 1.5 cc 3.105 0.690 3.795 cum 0.000 cum 3.795 cum	esses, pli or five le parse sar
4	Reinforced ceme and string course excluding cost of 3 graded stone a Belt Top 50.2.25.1 Filling with contra not exceeding 20	es, fillets, columr f centering, shutte aggregate 20 mm 1	in walls (any ns, pillars, pie ering, finishin nominal size 23.000 23.000 Sa (excluding r onsolidating e	y 3.795 cur cock) in trer	, including a ents, posts a orcement :1 0.150 0.050 Total Deduct Net To m @ Rs 114 nches, plinth ited layer by	attached pila and struts et :1.5:3(1 cen otal Quantity ted Quantity otal Quantity otal Quantity a33.93 / cum	sters, buttre c. up tot flo nent : 1.5 cc 3.105 0.690 3.795 cum 0.000 cum 3.795 cum Rs 43 undations e	esses, pli or five le barse sar 391.76
	Reinforced ceme and string course excluding cost of 3 graded stone a Belt Top 50.2.25.1 Filling with contra not exceeding 20	es, fillets, columr f centering, shutte aggregate 20 mm 1 1 1 actor's own earth 0 cm in depth, co	in walls (any ns, pillars, pie ering, finishin nominal size 23.000 23.000 Sa (excluding r onsolidating e	y 3.795 cur cock) in trer	, including a ents, posts a orcement :1 0.150 0.050 Total Deduct Net To m @ Rs 114 nches, plinth ited layer by	attached pila and struts et :1.5:3(1 cen otal Quantity ted Quantity otal Quantity otal Quantity a33.93 / cum	sters, buttre c. up tot flo nent : 1.5 cc 3.105 0.690 3.795 cum 0.000 cum 3.795 cum Rs 43 undations e	esses, pli or five le barse sar 391.76
	Reinforced ceme and string course excluding cost of 3 graded stone a Belt Top 50.2.25.1 Filling with contra not exceeding 20	es, fillets, columr f centering, shutte aggregate 20 mm 1 1 1 actor's own earth 0 cm in depth, co to 1.5 m as per c	in walls (any ns, pillars, pie ering, finishin nominal size 23.000 23.000 Sa (excluding r prisolidating e lirection of sit	y 3.795 cur cock) in trer ach depos	, including a ents, posts a orcement :1 0.150 0.050 Total Deduct Net To m @ Rs 114 nches, plinth ited layer by r-in-charge 0.900	attached pila and struts et :1.5:3(1 cen otal Quantity ted Quantity otal Quantity otal Quantity a33.93 / cum	sters, buttre c. up tot flo nent : 1.5 cc 3.105 0.690 3.795 cum 0.000 cum 3.795 cum Rs 43 undations e nd watering 48.600	esses, pli or five le parse sar 391.76 tc. in lay
	Reinforced ceme and string course excluding cost of 3 graded stone a Belt Top 50.2.25.1 Filling with contra not exceeding 20	es, fillets, columr f centering, shutte aggregate 20 mm 1 1 1 actor's own earth 0 cm in depth, co to 1.5 m as per c	in walls (any ns, pillars, pie ering, finishin nominal size 23.000 23.000 Sa (excluding r prisolidating e lirection of sit	y 3.795 cur ock) in trer ach depos te Enginee 3.000	, including a ents, posts a orcement :1 0.150 0.050 Total Deduct Net To m @ Rs 114 nches, plinth ited layer by r-in-charge 0.900	attached pila and struts et :1.5:3(1 cen ctal Quantity ted Quantity tal Quantity (33.93 / cum n, sides of fo y ramming a	sters, buttre c. up tot flo nent : 1.5 cc 3.105 0.690 3.795 cum 0.000 cum 3.795 cum Rs 43 undations e nd watering 48.600 48.600 cur	esses, pli or five le parse sar 391.76 tc. in laye
	Reinforced ceme and string course excluding cost of 3 graded stone a Belt Top 50.2.25.1 Filling with contra not exceeding 20	es, fillets, columr f centering, shutte aggregate 20 mm 1 1 1 actor's own earth 0 cm in depth, co to 1.5 m as per c	in walls (any ns, pillars, pie ering, finishin nominal size 23.000 23.000 Sa (excluding r prisolidating e lirection of sit	y 3.795 cur ock) in trer ach depos te Enginee 3.000	, including a ents, posts a orcement :1 0.150 0.050 Total Deduce m @ Rs 114 nches, plinth ited layer by r-in-charge 0.900 Total Deduce	attached pila and struts et :1.5:3(1 cen ctal Quantity ted Quantity tal Quantity (33.93 / cum n, sides of fo y ramming a ctal Quantity	sters, buttre c. up tot flo nent : 1.5 cc 3.105 0.690 3.795 cum 0.000 cum 3.795 cum Rs 43 undations e nd watering 48.600 48.600 cum 0.000 cum	esses, pli or five le parse sar 391.76 tc. in lay , lead up m

6	50.6.1.3 Solid block masonry u size confirming to IS thickness 20cm and	2185 Part	l of 1979 for	super stru	cture above	floor two le	evel up to fl			
	Compound wall	1	22*2+10*2	0.200	1.500		19.201			
					Tc	tal Quantity	19.201 cur	n		
				7	otal Deduct	ed Quantity	0.000 cum			
					Net To	otal Quantity	19.201 cum	1		
			Say	/ 19.201 cu	ım @ Rs 77	84.73 / cum	Rs 149	9.201 cum Rs 149474.60 eent : 4 fine sand) 204.800 204.800 sqm		
7	13.7.2 12 mm cement plaster	finished w	ith a floating co	pat of neat	cement of m	nix:1:4(1 ce	ment : 4 fine	e sand)		
		1	22*2+10*2	AL	1.5+1.5+.2		204.800			
			6.1	1	То	tal Quantity	204.800 so	Im		
		6	CX 2	8. N	Total Deduct	ed Quantity	0.000 sqm			
		(k	ANDE	NA	Net To	otal Quantity	204.800 sq	m		
		1/55	Say	/ 204.800 s	sqm @ Rs 4	03.29 / sqm	Rs 82	593.79		
	Steel work in built up cutting, hoisting,fixing and bolted with specia	in position	and applying a	a priming c	oat of appro			-		
	gate -horizonta member	D6	0.750		T	3.16	14.220			
		10	1.500			3.16	47.401			
					Тс	tal Quantity	61.621 kg			
				7	otal Deduct	ed Quantity	0.000 kg			
					Net To	tal Quantity	61.621 kg			
		_		Say 61.6	21 kg @ Rs	198.21 / kg	Rs 12	213.90		
SI No	Description	No	L	В	D	CF	Quantity	Remark		
19App	endix B - (7) - Supplyin GL		ng 80mm GI p st of material		ain from su t Index:41.5	-	o Alady Kur	isumala		
1	od190319/2018_2019 Supply of 80mm GI pi	pe(m)								
		1	310.000				310.000			
			· .		To	tal Quantity	310.000 m	etre		
				٦	Total Deduct	ed Quantity	0.000 metre	e		
					Net To	tal Quantity	310.000 me	etre		

			Say 3	310.000 meti	re @ Rs 830).16 / metre	Rs 257	349.60	
2	od190323/2018_2019								
	Specials for 80mm GI p	oipe							
		1					1.000		
					То	tal Quantity	1.000 set		
				Т	otal Deduct	ed Quantity	0.000 set		
					Net To	tal Quantity	1.000 set		
				Say 1.000 s	et @ Rs 214	417.90 / set	Rs 21	417.90	
3	100.98.428 Supply of CI Non Retur	n Valve, Co	nforming to	IS 5312 Par	t I - 1984, P	N 1.6, Size	80mm.		
		2	R	3			2.000		
	Total Quantity 2.000 No								
	Total Deducted Quantity 0.000 No								
		11	Y R	SA A	Net To	tal Quantity	2.000 No		
		1A		Say 2.000	No @ Rs 5	943.40 / No	Rs 11	886.80	
4	100.98.440 Supply of CI Air Valve,	Conforming	to IS 14848	3 - 2000, Sin	gle Orifice, 3	Small Orifice	e Type S1, S	Size 25mm.	
		2	No Barto	a			2.000		
		Kera	ala Wat	er Auth	Ority To	tal Quantity	2.000 No		
						ed Quantity			
		РП			Net To	tal Quantity	2.000 No		
				Say 2.000	No @ Rs 5	636.75 / No	Rs 11	273.50	
SI No	Description	No	L	В	D	CF	Quantity	Remark	
20Appe	ndix B - (7) - Supplying GLS					-	o Alady Ku	isumala	
1	GLSR- (b) Working charges (Cost Index:41.53 %) 100.4.1 Excavating in hard rock for trenches by blasting for laying pipes and stacking useful materials for measurements and disposing unserviceable materials within the intial lead of 50m and lift upto 1.50m(intial depth 0 m to 1.50m) and providing protection by earth filled cement bags during blasting to avoid damages to nearby structures(200 Nos. of earth filled cement bags for 10m3 blasting) (Ref. Item No. 1004 A of T C)								
		1	50.000	0.400	0.400		8.000		
			I	II	То	tal Quantity		l	
				т		ed Quantity			
						tal Quantity			
			S	Say 8.000 cu				747.20	

2	100.12.8 Conveying and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. but excluding cost of pipes and fittings - External work. 80 mm dia nominal bore Data derived from item no.18.12.8 of DAR Data for 10 m 80mm Gl pipe 1 310.000 310.000									
	80mm GI pipe	1	310.000				310.000			
					То	tal Quantity	310.000 m	etre		
				Т	otal Deduct	ed Quantity	0.000 metre	e		
	Net Total Quantity 310.000 metre									
	Say 310.000 metre @ Rs 217.74 / metre Rs 67499.40									
3	Say 310.000 metre @ RS 217.74 / metre RS 67499.40 100.31.2.1 "Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) : 80 mm diameter. Class II" Observed Data derived from item no.18.31.of DAR									
	Sluice valve and NR valve	2	Dà		J.		2.000			
		ACC -			То	tal Quantity	2.000 Nos			
			No and	a and T	otal Deduct	ed Quantity	0.000 Nos			
		Kera	ala Wat	er Auth	OriNet To	tal Quantity	2.000 Nos			
				Say 2.000 I	Nos @ Rs 6	52.74 / Nos	Rs 13	05.48		
4	100.32.1 Conveying and fixing C excluding the cost of ai 25 mm Single acting Ai Observed Data derived	r valve(the t r Valve	ail pieces if	required wil			s,rubber ins	ertions etc .		
		2					2.000			
					То	tal Quantity	2.000 Nos			
				Т	otal Deduct	ed Quantity	0.000 Nos			
					Net To	tal Quantity	2.000 Nos			
				Say 2.000 I	Nos @ Rs 1	46.63 / Nos	Rs 2	93.26		
5	Net Total Quantity 2.000 Nos Say 2.000 Nos @ Rs 146.63 / Nos Rs 293.26 5.2.2 Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up tot floor five level excluding cost of centering, shuttering, finishing and reinforcement :1:1.5:3(1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) Anchor block 50 0.450 0.450 4.557									

	1									
					То	tal Quantity	4.557 cum			
				7	Fotal Deduct	ed Quantity	0.000 cum			
					Net To	tal Quantity	4.557 cum			
			Sa	ay 4.557 cur	n @ Rs 1143	33.93 / cum	Rs 52	104.42		
6	5.22.6 Steel reinforcement fo binding all complete u					• •	• ·			
	Steel reinforcement @ 50kg/m3	1	4.557			50.0	227.851			
					То	tal Quantity	227.851 ki	logram		
			R	6	Fotal Deduct	ed Quantity	0.000 kilog	ram		
	Net Total Quantity 227.851 kilogram									
		-	Say 227.85	51 kilogram	@ Rs 102.6	1 / kilogram	Rs 23	379.79		
7	5.9.1 Centering and shutterin columns, etc for mass		strutting, et	c. and remo	oval of form ·	for:Foundat	ions, footing	js, bases of		
	For anchor block	50*4	0.450	0.450			40.500			
				in of Sector	То	tal Quantity	40.500 sqr	n		
		Kor	ala Wat	or Auth	Fotal Deduct	ed Quantity	0.000 sqm			
					Net To	tal Quantity	40.500 sqm	ı		
		P	S	ay 40.500 s	sqm @ Rs 3	50.00 / sqm	Rs 14	175.00		
8	od1153/2019_2020 DOWEL BARS - Suppl 1m in concrete) includ cement grout(0.10kg/	ding drilling	holes of 20				0 (
	For anchor block	50*4					200.000			
					То	tal Quantity	200.000 N	0		
				٦	Fotal Deduct	ed Quantity	0.000 No			
					Net To	tal Quantity	200.000 No)		
				Say 200.00	0 No @ Rs	481.80 / No	Rs 96	360.00		
9	od1154/2019_2020 80mm GI pipes by cut welded portion,testing tools, plant and materi	the line to	the required	l pressure,	including the	e charges h	ire and con	veyance of		
		45					45.000			
					То	tal Quantity	45.000 No			

	Total Deducted Quantity 0.000 No								
					Net To	tal Quantity	45.000 No		
				Say 45.00	0 No @ Rs	468.28 / No	Rs 210	072.60	
SI No	Description	No	L	В	D	CF	Quantity	Remark	
	21Appendix B - (8)- Lin	e charging	, stabilizatio	on& interco	onnection	(Cost Ind	lex:41.53 %)	
		No Specifi	cations add	ed under thi	s Estimate				
SI No	Description	No	L	В	D	CF	Quantity	Remark	
22Appe	ndix B - (8)- Line chargi Zone I from T	-			. ,	connection Index:41.53		stribution	
1	100.1.1 Excavating trenches of dressing of sides, rame then returning the soil deposited layer by ram lead of 50 m : All kinds of soil (Ref. Item No. 2.10.1 of	ming of both as required ming, wate	oms, depth , in layers n	up to 1.5 m ot exceedin	, including g 20 cm in	getting out t depth, inclue	he excavate ding consoli	ed soil, and datingeach	
		1	100.000	0.800	1.200	0.7	67.200		
		1			То	otal Quantity	67.200 cur	n	
			AND HER	T and	otal Deduct	ed Quantity	0.000 cum		
		Kera	ala Wat	er Auth	OTINE To	tal Quantity	67.200 cum	1	
		D	S	ay 67.200 c	um @ Rs 5	79.85 / cum	Rs 389	965.92	
2	100.1.5 Excavating trenches of dressing of sides, ramin then returning the soil deposited layer by ramin lead of 50 m :" Ordinary Rock. (Ref. Item No. 2.13.1 of	ming of both as required iming, wate	oms, depth , in layers n	up to 1.5 m ot exceedin	, including g 20 cm in	getting out t depth, inclue	he excavate ding consoli	ed soil, and datingeach	
		1	100.000	0.800	1.200	0.2	19.201		
		I	1			tal Quantity	19.201 cur	n	
				Т		ed Quantity			
						tal Quantity		1	
			S	ay 19.201 c	um @ Rs 8	42.10 / cum	Rs 16′	169.16	
3	Say 19.201 cum @ Rs 842.10 / cum Rs 16169.16 100.2.1 Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 m2 on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils								

	as directed, within a lea Medium Rock (Requirir							
	New Data derived from	•	9.2 of DAR.		Γ	I	I	
		1	100.000	0.800	1.200	0.07	6.721	
					То	tal Quantity	6.721 cum	
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	6.721 cum	
				Say 6.721 c	um @ Rs 7	49.12 / cum	Rs 50	34.84
4	100.1.13 "Excavating trenches dressing of sides, ram then returning the soil deposited layer by ram lead of 50 m : Hard Rock(Blasting Pro (Ref. Item No. 2.13.3 0)	ming of both as required ming, wate phibited)	toms, depth , in layers no	up to 1.5 m ot exceedin	, including g 20 cm in	getting out t depth, inclu	the excavate	ed soil, and datingeach
		1	100.000	0.800	1.200	0.03	2.880	
		102	Ka	Sar.	To	tal Quantity	2.880 cum	
		1	922	т		ed Quantity		
			Var Hal	SPE B		tal Quantity		
		Ker	ala Wat	er Auth ay 2.880 cu	ority	24.48 / cum		78.50
5	100.8.1 Fencing one side of to casuarina pole (girth (Data Prepared based)	15cm to 24	cm) fixed at	t 2 m interv		cm plastic c	caution tape	e in vertical
		1	100.000				100.000	
_					То	tal Quantity	100.000 m	etre
				Т	otal Deduct	ed Quantity	0.000 metre	Э
					Net To	tal Quantity	100.000 me	etre
			Say	100.000 me	etre @ Rs 28	3.82 / metre	Rs 28	82.00
6	50.2.25.1 Filling with contractor's not exceeding 20 cm ir 50 m and lift up to 1.5	n depth, cor	nsolidating e	ach deposit	ted layer by			-
		1	5.000				5.000	
					То	tal Quantity	5.000 cum	
				Т	otal Deduct	ed Quantity	0.000 cum	

					Net To	tal Quantity	5.000 cum			
				Say 5.000 c	um @ Rs 5	48.85 / cum	Rs 27	44.25		
7	100.14.3 Conveying and laying excluding cost of pipe 200 mm dia Ductile Iror Data derived from 18.72	es and spe Class K-9	cials: Pipes	ast (Spun)	/ Ductile Ir	on Pipes co	onforming t	o IS: 8329		
	Laying	1	100.000				100.000			
							100.000 m			
				T			0.000 metre			
			119,	12.			100.000 me			
	Say 100.000 metre @ Rs 127.45 / metre Rs 12745.00									
8	18.70.3 Providing push - on-joir joints and including the			· · · · · · · · · · · · · · · · · · ·		uctile Iron Pi	ipes includir	ng testing of		
		20			T'à		20.000			
		10h	Ka	0.27.	То	tal Quantity	20.000 joir	nt		
		200		т	otal Deduct	ed Quantity	0.000 joint			
			Nor Box	SPE B	Net To	tal Quantity	20.000 join	t		
		Kera	ala Wat	Say 20.000 j	oint @ Rs 2	70.11 / joint	Rs 54	02.20		
9	18.30.5 Providing flanged joints diameter pipe	to double t	ilanged C.I.	/ D.I pipes a	nd specials	, including to	esting of joir	nts:200 mm		
		3					3.000			
					То	tal Quantity	3.000 Nos			
				Т	otal Deduct	ed Quantity	0.000 Nos			
					Net To	tal Quantity	3.000 Nos			
				Say 3.000 I	Nos @ Rs 4	36.83 / Nos	Rs 13	10.49		
10	18.67.1 Providing and laying S 300 mm dia	& S C.I. St	andard spe	cials suitable	e for mecha	nical jointing	g as per IS	13382:Upto		
	200 mm Mechanical joint	2				0.48	0.960			
					То	tal Quantity	0.960 quin	tal		
				Т	otal Deduct	ed Quantity	0.000 quint	al		
					Net To	tal Quantity	0.960 quint	al		

			Say 0.9	960 quintal @	2 Rs 14708	.65 / quintal	Rs 14	120.30	
11	18.25.1 Providing and laying S class):Upto 300 mm dia		ndard speci	als such as	tees, bends	s, collars, ta	pers, caps	etc. (Heavy	
	200mm DI 45 degree bend	1				0.26	0.260		
	200mm DI 22.5 degree bend	2				0.23	0.460		
	200mm DI 11.25 degree bend	1				0.21	0.210		
					То	tal Quantity	0.930 quin	tal	
			Con	ை	otal Deduct	ed Quantity	0.000 quint	al	
	Net Total Quantity 0.930 quintal								
		1	Say 0	.930 quintal	@ Rs 6536.	.99 / quintal	Rs 60	79.40	
12	18.83.5 Labour for cutting C.I. p	ipe with ste	el saw.200 i	mm diamete	r C.I. pipe				
		7	XO	Sar.	1 all	2	7.000		
					То	tal Quantity	7.000 Eacl	n Cut	
			ALC: N		otal Deduct	ed Quantity	0.000 Each	Cut	
		Kera	ala Wat	er Auth	OT1 Net To	tal Quantity	7.000 Each	Cut	
		D	Say 7.000	Each Cut	🛛 Rs 449.57	/ Each Cut	Rs 31	46.99	
13	100.35.3 Testing 200mm DI/CI pi 200 mm dia Observed Data derived	-	-		uired test pr	ressure			
		1	100.000				100.000		
					То	tal Quantity	100.000 m	etre	
				Т	otal Deduct	ed Quantity	0.000 metre	е	
					Net To	tal Quantity	100.000 me	etre	
			Say	100.000 me	etre @ Rs 41	1.56 / metre	Rs 41	56.00	
14	4.1.3 Providing and laying in shuttering - All work up nominal size)	•		•	-	-		-	
	For Anchor block	3	1.000	1.000	1.000		3.000		
					То	tal Quantity	3.000 cum		

				Т	otal Deduct	ed Quantity	0.000 cum			
					Net To	tal Quantity	3.000 cum			
			S	ay 3.000 cu	m @ Rs 834	40.93 / cum	Rs 250)22.79		
15	5.9.1 Centering and shutterir columns, etc for mass		strutting, et	c. and remo	oval of form	for:Foundati	ions, footing	s, bases of		
	For anchor block	3*4	1.000	1.000			12.000			
					То	tal Quantity	12.000 sqn	n		
				Т	otal Deduct	ed Quantity	0.000 sqm			
					Net To	tal Quantity	12.000 sqm	1		
			es	ay 12.000 s	qm @ Rs 3	50.00 / sqm	Rs 42	00.00		
16	100.31.1.5 "Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) : 200 mm diameter. Class I" Data derived from item no.18.31.4.1 of DAR									
		1	A.C.	Say.	125%	2	1.000			
					То	tal Quantity	1.000 Nos			
			Bas		otal Deduct	ed Quantity	0.000 Nos			
	Kerala Water Authority Net Total Quantity 1.000 Nos									
17	100.32.3	P	R	Say 1.000 N	os @ Rs 16	25.90 / Nos	Rs 16	25.90		
	Conveying and fixing C excluding the cost of ai 50 mm Double acting A Data derived from item	r valve(the ir Valve	tail pieces if				s,rubber ins	ertions etc .		
		2					2.000			
					То	tal Quantity	2.000 Nos			
				Т	otal Deduct	ed Quantity	0.000 Nos			
					Net To	tal Quantity	2.000 Nos			
				Say 2.000 I	Nos @ Rs 2	29.21 / Nos	Rs 4	58.42		
18	od190175/2018_2019 Construction of RCC va base,125mm side wall, including plastering ins	150mm bot	tom and co	ver slab of o	hamber wit	h M20 conc	rete with rei			
	valve chamber	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 N	lo @ Rs 420	076.66 / No	Rs 42	076.66	
19	100.98.117 Supply of DI K9 Pipe C	onforming to	o IS 8329/20	000, 200mm	Dia.				
		1	100.000				100.000		
		I	I	I	То	tal Quantity	100.000 m	etre	
				т	otal Deduct	ed Quantity	0.000 metro	e	
		tal Quantity	100.000 me	etre					
			Say 10	0.000 metre	@ Rs 2589	9.08 / metre	Rs 258	908.00	
20	100.98.435 Supply of CI Air Valve,	e Type DK,	Size 50mm						
			2.000						
		11	Y R	SAA	То	tal Quantity	2.000 No		
		1A	(D)N	2 International	otal Deduct	ed Quantity	0.000 No		
		1 ala	Ka	SA.	Net To	tal Quantity	2.000 No		
	Say 2.000 No @ Rs 7951.65 / No Rs 15903.30								
21	100.98.461 Supply of CI Double FI Size 200mm.	anged Sluic	e Valve Cor	nforming to I	S 14846 - 2	000, Sluice	Valve with (Cap PN 1.6,	
		\mathbf{P}_1	R		` -	1	1.000		
					То	tal Quantity	1.000 No		
				Т	otal Deduct	ed Quantity	0.000 No		
					Net To	tal Quantity	1.000 No		
			I	Say 1.000 N	lo @ Rs 23 ⁻	723.65 / No	Rs 23	723.65	
SI No	Description	No	L	В	D	CF	Quantity	Remark	
23Appe	endix B - (8)- Line char Maryk	ging, stabil ulam using			on- (b) Inter ost Index:41		n work to Z	one 1A-	
1	100.12.8 Conveying and fixing excluding cost of pipe 80 mm dia nominal bor Data derived from item Data for 10 m	es and fittin	igs - Extern		ngs includir	ng trenchin	g and refilli	ng etc. but	
		1	250.000				250.000		

				т	otal Deducte	ed Quantity	0.000 metre	e		
					Net To	tal Quantity	250.000 me	etre		
			Say 2	50.000 metr	re @ Rs 217	7.74 / metre	Rs 54	435.00		
2	100.31.1.1 "Conveying and fixing insertions etc. excludi diameter. Class I" Observed Data derived	ng the cost	of valve (th	ne tail piece						
		1					1.000			
					To	tal Quantity	1.000 Nos			
		ed Quantity	0.000 Nos							
		tal Quantity	1.000 Nos							
			6.1	Say 1.000 N	Nos @ Rs 6	13.74 / Nos	Rs 6 [°]	13.74		
3	od190319/2018_2019 Supply of 80mm GI pipe(m)									
		1	250.000	24	1.50	×	250.000			
		1840-		15/3	To	tal Quantity	250.000 m	etre		
				nol 7	otal Deducte	ed Quantity	0.000 metre	9		
		Ker	a la Wa t	er Auth	Net To	tal Quantity	250.000 me	etre		
4	od3655/2019_2020 Specials for 80 mm GI	(m) pipe - 10	R	of pipe supp).16 / metre	Rs 207	540.00		
		1					1.000			
					To	tal Quantity	1.000 set			
				Т	otal Deducte	ed Quantity	0.000 set			
					Net To	tal Quantity	1.000 set			
				Say 1.000 s	et @ Rs 172	272.50 / set	Rs 17	272.50		
5	100.98.457 Supply of CI Double FI Size 80mm.	anged Sluic	e Valve Cor	forming to I	S 14846 - 2	000, Sluice	Valve with (Cap PN 1.6,		
		1					1.000			
					To	tal Quantity	1.000 No			
				т	otal Deducte	ed Quantity	0.000 No			
					Net To	tal Quantity	1.000 No			
				Say 1.000	No @ Rs 66	624.05 / No	Rs 66	24.05		

		1	-		1	i.				
SI No	Description	No	L	В	D	CF	Quantity	Remark		
24Appe	ndix B - (8)- Line charg	ging, stabili	zation& inte	rconnectio	n - (c)- Inte	rconnectior	work to La	abbakada		
	Tank using 15	0 mm D I K	9 Pipe for Pu	umping ma	in (Cost	t Index:41.5	3 %)			
1	100.1.1 Excavating trenches dressing of sides, ran then returning the soi deposited layer by ran lead of 50 m : All kinds of soil (Ref. Item No. 2.10.1	nming of bo I as required mming, wate	ttoms, depth d, in layers n	up to 1.5 m ot exceedin	n, including ng 20 cm in	getting out t depth, inclu	the excavate	ed soil, and idatingeach		
		1	180.000	0.800	1.150	0.7	115.920			
			Ca	2	Тс	otal Quantity	115.920 cu	ım		
			1	m-	otal Deduct	ted Quantity	0.000 cum			
		1	436	3 2	Net To	otal Quantity	115.920 cu	m		
		11	Sa	ay 115.920 c	um @ Rs 5	79.85 / cum	Rs 67	216.21		
	Excavating trenches dressing of sides, ran then returning the soi deposited layer by ran lead of 50 m :" Ordinary Rock. (Ref. Item No. 2.13.1	nming of bot I as required mming, wate Ker	ttoms, depth d, in layers n	up to 1.5 m ot exceedin d disposing	n, including ag 20 cm in of surplus ority 1.150	getting out t depth, inclu	the excavate ding consoli oil as direct 33.120	ed soil, and idatingeach ed, within a		
						ted Quantity				
						otal Quantity		 າ		
			S	Say 33.120 d						
3	Say 33.120 cum @ Rs 842.10 / cum Rs 27890.35 100.2.1 Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 m2 on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. Medium Rock (Requiring Blasting) New Data derived from Item No.2.9.2 of DAR.									
		1	180.000	0.800	1.150	0.07	11.592			
		1			Tc	otal Quantity	11.592 cur	n		
				٦		ted Quantity				
						-				

		tal Quantity	11.592 cum	1							
			S	ay 11.592 c	cum @ Rs 74	49.12 / cum	Rs 86	83.80			
4	100.1.13 "Excavating trenched dressing of sides, rat then returning the so deposited layer by rat lead of 50 m : Hard Rock(Blasting F (Ref. Item No. 2.13.3	mming of bo bil as required amming, wate Prohibited)	ttoms, depth d, in layers no	up to 1.5 m ot exceedin	n, including g ng 20 cm in d	getting out t depth, inclue	the excavate	ed soil, and idatingeach			
		1	180.000	0.800	1.150	0.03	4.968				
			Re	0	То	tal Quantity	4.968 cum				
	Total Deducted Quantity 0.000 cum										
	Net Total Quantity 4.968 cum										
		6	S	ay 4.968 cu	ım @ Rs 162	24.48 / cum	Rs 80	70.42			
	casuarina pole (girt	Fencing one side of trenches, 1.50 m height with two rows of 10 cm plastic caution tape in vertical casuarina pole (girth 15cm to 24cm) fixed at 2 m intervals. (Data Prepared based on PWD SDB - Item No.1009)									
		1 V	180.000		• 4		180.000				
		Kei	ala Wat								
		\mathbf{P}	R^{+}	1	Total Deduct						
							180.000 me				
			Say	180.000 me	etre @ Rs 28	3.82 / metre	Rs 51	87.60			
6	50.2.25.1 Filling with contracto not exceeding 20 cm 50 m and lift up to 1	n in depth, co	onsolidating e	ach deposi	ted layer by			-			
		1	5.000				5.000				
					То	tal Quantity	5.000 cum				
				Г	Total Deduct	ed Quantity	0.000 cum				
					Net To	tal Quantity	5.000 cum				
			:	Say 5.000 c	cum @ Rs 54	48.85 / cum	Rs 27	44.25			
7	100.14.2 Conveying and layi excluding cost of p 150 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	o IS: 8329			

	Laying 100mm DI K9 pipes	1	180.000				180.000				
					То	tal Quantity	180.000 m	etre			
				т	otal Deduct	ed Quantity	0.000 metre	e			
					Net To	tal Quantity	180.000 me	etre			
			Say	180.000 me	tre @ Rs 91	.50 / metre	Rs 164	470.00			
8	18.70.2 Providing push - on-joir joints and including the			•	•	uctile Iron Pi	pes includir	ig testing of			
		28					28.000				
			R	-	То	tal Quantity	28.000 joir	nt			
			N	19 - T	otal Deduct	ed Quantity	0.000 joint				
		-	6.2.1		Net To	tal Quantity	28.000 join	t			
		619	5	Say 28.000 je	oint @ Rs 1	84.13 / joint	Rs 51	55.64			
9	18.30.4 Providing flanged joints diameter pipe	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:150 mm									
		7			05		7.000				
		Kor	ala Wat	or Auth	To	tal Quantity	7.000 Nos				
					otal Deduct	ed Quantity	0.000 Nos				
		\mathbf{P}	R		Net To	tal Quantity	7.000 Nos				
				Say 7.000 N	Nos @ Rs 4	02.30 / Nos	Rs 28	16.10			
10	18.67.1 Providing and laying S 300 mm dia	& S C.I. Sta	andard spec	cials suitable	e for mecha	nical jointing	g as per IS	13382:Upto			
	150mm Mechanical joint collar	1				0.31	0.310				
					То	tal Quantity	0.310 quin	tal			
				т	otal Deduct	ed Quantity	0.000 quint	al			
					Net To	tal Quantity	0.310 quint	al			
	Say 0.310 quintal @ Rs 14708.65 / quintal Rs 4559.68										
11	18.66.1 Providing and laying s suitable for flanged jo		•			nds, collars	tapers and	l caps etc.,			
	45 degree bend	2				0.16	0.320				
	22.5 degree bend	12				0.15	1.800				

					То	tal Quantity	2.120 quin	tal			
				т	otal Deduct	ed Quantity	0.000 quint	al			
					Net To	tal Quantity	2.120 quint	al			
			Say 2.	120 quintal	@ Rs 9150	.76 / quintal	Rs 19	399.61			
12	18.83.4 Labour for cutting C.I.	pipe with ste	el saw.150 r	nm diamete	er C.I. pipe						
		8					8.000				
	Total Quantity 8.000 Each Cut										
	Total Deducted Quantity 0.000 Each Cut										
	Net Total Quantity 8.000 Each Cut										
			Say 8.000	Each Cut @	2 Rs 337.12	2 / Each Cut	Rs 26	96.96			
	Testing 150mm DI/CI pipeline with potable water to the required test pressure 150 mm dia Observed Data derived from item no.1018 of PHED DATA										
		1	180.000	ILD DATA	100	1	180.000				
		164		Est.	То	tal Quantity		etre			
			24 Colores	T	1.00		0.000 metre				
		Ker	ala Wat	er Auth	OriNet To	tal Quantity	180.000 me	etre			
	-				etre @ Rs 32			18.40			
14	100.98.116 Supply of DI K9 Pipe €	Conforming t	o IS 8329/20	00, 150mm	Dia.						
		1	180.000				180.000				
					То	tal Quantity	180.000 m	etre			
				Т	otal Deduct	ed Quantity	0.000 metre	Э			
					Net To	tal Quantity	180.000 me	etre			
			Say 18	0.000 metre	e @ Rs 1890	0.44 / metre	Rs 340	279.20			
SI No	Description	No	L	В	D	CF	Quantity	Remark			
25Appe	endix B - (8)- Line charging, stabilization& interconnection - (d) Interconnection work to distribution line at Labbakada using 250 mm D I k9 pipe (Cost Index:41.53 %)										

1	100.1.1 Excavating trenches of dressing of sides, ram then returning the soil a deposited layer by ram lead of 50 m : All kinds of soil (Ref. Item No. 2.10.1 of	ning of bott as required, ming, water	oms, depth in layers no	up to 1.5 m ot exceeding	, including g 20 cm in	getting out t depth, inclue	he excavate ding consoli	ed soil, and datingeach	
		1	100.000	0.800	1.200	0.7	67.200		
					То	tal Quantity	67.200 cun	ı	
				Т	otal Deduct	ed Quantity	0.000 cum		
	Net Total Quantity 67.200 cum								
	Say 67.200 cum @ Rs 579.85 / cum Rs 38965.92								
2	100.1.5 Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidatingeach deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :" Ordinary Rock. (Ref. Item No. 2.13.1 of DSR)								
		Kera				0.2	19.201 cun		
		\mathbf{P}	\prec	т	· -	ed Quantity		·	
							19.201 cum		
			S	ay 19.201 c		42.10 / cum	Rs 161		
3	100.2.1 Excavation work by me drains (not exceeding bottoms, lift up to 1.5 m as directed, within a lea Medium Rock (Requirin New Data derived from	1.5 m in wi n, including ad of 50 m. g Blasting)	dth or 10 m getting out t	2 on plan),	, including	dressing of	sides and r	amming of	
		1	100.000	0.800	1.200	0.07	6.721		
			L		То	tal Quantity	6.721 cum		
				Т	otal Deduct	ed Quantity	0.000 cum		
					Net To	tal Quantity	6.721 cum		
			\$	Say 6.721 c	um @ Rs 7	49.12 / cum	Rs 50	34.84	
4	100.1.13								

	"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 consolidatingeach deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : Hard Rock(Blasting Prohibited) (Ref. Item No. 2.13.3 Of DSR)										
		1	100.000	0.800	1.200	0.03	2.880				
					То	tal Quantity	2.880 cum				
				Т	otal Deduct	ed Quantity	0.000 cum				
					Net To	tal Quantity	2.880 cum				
			S	ay 2.880 cu	m @ Rs 16	24.48 / cum	Rs 46	78.50			
5	100.8.1 Fencing one side of trenches, 1.50 m height with two rows of 10 cm plastic caution tape in vertical casuarina pole (girth 15cm to 24cm) fixed at 2 m intervals. (Data Prepared based on PWD SDB - Item No.1009)										
		1	100.000		1 a		100.000				
		1ah	KQ	Say.	То	tal Quantity	100.000 m	etre			
				Т	otal Deduct	ed Quantity	0.000 metre)			
			1 W/at	a ana	Net To	tal Quantity	100.000 me	etre			
		Kera	ala wal Say	100.000 me	etre @ Rs 28	3.82 / metre	Rs 28	82.00			
6	50.2.25.1 Filling with contractor's not exceeding 20 cm ir 50 m and lift up to 1.5	n depth, con	solidating e	ach deposit	ted layer by			-			
		1	5.000				5.000				
					То	tal Quantity	5.000 cum				
				Т	otal Deduct	ed Quantity	0.000 cum				
					Net To	tal Quantity	5.000 cum				
				Say 5.000 c	um @ Rs 54	48.85 / cum	Rs 27	44.25			
7	100.14.4 Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials : 250 mm dia Ductile Iron Class K-9 Pipes Data derived from 18.72.18 in DAR										
		1	100.000				100.000				
					То	tal Quantity	100.000 m	etre			

		ed Quantity	0.000 metre	e								
					Net To	tal Quantity	100.000 me	etre				
			Say 1	00.000 met	re @ Rs 170).19 / metre	Rs 17	019.00				
8	18.70.4 Providing push - on-join joints and including the		••••		•	uctile Iron Pi	ipes includir	ng testing of				
		18					18.000					
					То	tal Quantity	18.000 joir	nt				
				Т	otal Deduct	ed Quantity	0.000 joint					
					Net To	tal Quantity	18.000 join	t				
			(CS	Say 18.000 je	oint @ Rs 3	29.84 / joint	Rs 59	37.12				
9	18.30.6 Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:250 mm diameter pipe											
		5	120	21/2	121		5.000					
		155	US	No.	То	tal Quantity	5.000 Nos					
		1800		Т	otal Deduct	ed Quantity	0.000 Nos					
			Party and	101 2 /	Net To	tal Quantity	5.000 Nos					
		Kerala Wat Say 5.000 Nos @ Rs 595.56 / Nos Rs 2977.80										
10	18.67.1 Providing and laying S 300 mm dia	& S C.I. St	andard spec	cials suitable	e for mecha	18.67.1 Providing and laying S & S C.I. Standard specials suitable for mechanical jointing as per IS 13382:Upto						
	250 mm MJ collar	2				0.36	0.720					
	250 mm MJ collar	2			То	0.36 tal Quantity						
	250 mm MJ collar	2		Т		tal Quantity		tal				
	250 mm MJ collar	2		Т	otal Deduct	tal Quantity ed Quantity	0.720 quin	tal				
	250 mm MJ collar	2	Say 0.7	T ′20 quintal @	otal Deduct Net To	tal Quantity ed Quantity tal Quantity	0.720 quin 0.000 quint 0.720 quint	tal				
11	250 mm MJ collar 18.66.1 Providing and laying S suitable for flanged jo	S&S.C.I Sta	andard spec	′20 quintal 《 cials such a	otal Deduct Net To Rs 14708 as tees, bei	tal Quantity ed Quantity tal Quantity .65 / quintal	0.720 quin 0.000 quint 0.720 quint Rs 10	tal al al 590.23				
11	18.66.1 Providing and laying S	S&S.C.I Sta	andard spec	′20 quintal 《 cials such a	otal Deduct Net To Rs 14708 as tees, bei	tal Quantity ed Quantity tal Quantity .65 / quintal	0.720 quin 0.000 quint 0.720 quint Rs 10	tal al al 590.23				
11	18.66.1 Providing and laying S suitable for flanged jo 250 mm 22.5 degree	S&S.C.I Stanting as p	andard spec	′20 quintal 《 cials such a	otal Deduct Net To Rs 14708 as tees, bei	tal Quantity ed Quantity tal Quantity .65 / quintal nds, collars	0.720 quin 0.000 quint 0.720 quint Rs 10 tapers and	tal al al 590.23				
11	18.66.1 Providing and laying S suitable for flanged jo 250 mm 22.5 degree bend 250 mm 45 degree	S&S.C.I Sta inting as p 2	andard spec	′20 quintal 《 cials such a	otal Deduct Net To Rs 14708 as tees, ber mm dia	tal Quantity ed Quantity tal Quantity .65 / quintal nds, collars 0.32	0.720 quin 0.000 quint 0.720 quint Rs 10 tapers and 0.640 0.720	tal al 590.23				

							1		
					Net To	otal Quantity	1.360 quint	al	
			Say 1	.360 quintal	@ Rs 9150	.76 / quintal	Rs 12	445.03	
12	18.83.6								
	Labour for cutting C.I. p	pipe with ste	el saw.250	mm diamete	er C.I. pipe				
		5					5.000		
					Тс	otal Quantity	5.000 Eac	h Cut	
				Т	otal Deduct	ted Quantity	0.000 Each	ı Cut	
					Net To	otal Quantity	5.000 Each	ı Cut	
			Say 5.000) Each Cut @	2 Rs 559.11	I / Each Cut	Rs 27	795.55	
13	100.35.4 Testing 250mm DI/CI pipeline with potable water to the required test pressure . 250 mm dia Observed Data derived from item no.1022 of PHED DATA								
		1	100.000	8 7	2.0		100.000		
		(1.)	110	2012	Тс	otal Quantity	100.000 m	etre	
		15	De		otal Deduct	ted Quantity	0.000 metr	e	
		1445		22/3	Net To	otal Quantity	100.000 m	etre	
			Say	100.000 me	etre @ Rs 5	2.99 / metre	Rs 52	299.00	
14	100.31.1.6 "Conveying and fixing insertions etc. exclud 250 mm diameter. Clas Data derived from item	g C.I. sluice ing the cos ss I"	e valves (w st of valve		providing				
	250mm valve	1					1.000		
					Тс	otal Quantity	1.000 Nos		
				Т	otal Deduct	ted Quantity	0.000 Nos		
					Net To	otal Quantity	1.000 Nos		
			:	Say 1.000 N	os @ Rs 23	04.82 / Nos	Rs 23	804.82	
15	Say 1.000 Nos @ Rs 2304.82 / Nos Rs 2304.82 100.32.3 Conveying and fixing C I Single acting Air Valve of approved quality with bolts,nuts,rubber insertions etc . excluding the cost of air valve(the tail pieces if required will be paid seperately): 50 mm Double acting Air Valve Data derived from item no.18.59.1 of DAR								
		1					1.000		
					Тс	tal Quantity	1.000 Nos		
				Т	otal Deduct	ted Quantity	0.000 Nos		

					Net To	tal Quantity	1.000 Nos			
				Say 1.000 N	Nos @ Rs 2	29.21 / Nos	Rs 2	29.21		
16	100.98.118									
	Supply of DI K9 Pipe C	conforming to	o IS 8329/20	000, 250mm	Dia.					
		1	100.000				100.000			
					То	tal Quantity	100.000 m	etre		
				Т	otal Deduct	ed Quantity	0.000 metre	e		
					Net To	tal Quantity	100.000 me	etre		
			Say 10	0.000 metre	e @ Rs 3616	6.52 / metre	Rs 361	652.00		
17	100.98.462 Supply of CI Double FI Size 250mm.	anged Sluic	e Valve Cor	nforming to I	S 14846 - 2	000, Sluice	Valve with (Cap PN 1.6,		
		1	\mathbb{C}^{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 34361.80 / No Rs 34361.80									
18	100.98.444 Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Large Orifice Type S2, Size 50mm.									
		1					1.000			
		P			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	110.65 / No	Rs 61	10.65		
SI No	Description	No	L	В	D	CF	Quantity	Remark		
26App	endix B - (8)- Line char Gravity	ging, stabil main using			on - (e) Inte Cost Index:		n to Kochu	thovala		
1	100.12.10									
	"Conveying and fixing excluding cost of pipe 125 mm dia nominal bo Observed Data derived	es and fitting	gs - Extern	al work.	ngs includi	ng trenchin	g and refilli	ng etc. but		
		1	100.000				100.000			
					То	tal Quantity	100.000 m	etre		
				Т	otal Deduct	ed Quantity	0.000 metre	e		
					Net To	tal Quantity	100.000 me	etre		

			Say 1	00.000 met	re @ Rs 274	4.99 / metre	Rs 27	499.00		
2	4.1.3 Providing and laying in shuttering - All work up nominal size)	-		-	-	-		-		
	For anchor block	4	0.800	0.800	0.800		2.049			
					То	tal Quantity	2.049 cum			
				Т	otal Deduct	ed Quantity	0.000 cum			
	Net Total Quantity 2.049 cum									
	Say 2.049 cum @ Rs 8340.93 / cum Rs 170									
3	5.9.1 Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete									
	For anchor block	4*4	0.800	0.800			10.241			
		11	NE	$\partial \lambda$	Тс	tal Quantity	10.241 sqr	n		
		15	DB	Ch I	otal Deduct	ed Quantity	0.000 sqm			
	Net Total Quantity 10.241 sqm									
	Say 10.241 sqm @ Rs 350.00 / sqm Rs 3584.35									
4	od189995/2018_2019 Supplying 125mm GI(n	n) pipe	ala Wat	er Auth	ority					
			100.000				100.000			
					Тс	tal Quantity	100.000 m	etre		
				Т	otal Deduct	ed Quantity	0.000 metre	Э		
					Net To	tal Quantity	100.000 me	etre		
			Say 10	0.000 metre	e @ Rs 1434	4.45 / metre	Rs 143	445.00		
5	od3663/2019_2020 Specials for 125 mm G	I(m) pipe - 1	0 % of value	e of pipe sup	oply.					
		1					1.000			
					То	tal Quantity	1.000 set			
				Т	otal Deduct	ed Quantity	0.000 set			
					Net To	tal Quantity	1.000 set			
	Say 1.000 set @ Rs 14345.00 / set Rs 14345.00									
SI No	Description	No	L	В	D	CF	Quantity	Remark		
27Appe	ndix B - (8)- Line charg from Kochuthov	-			.,	connection		stribution		

1	100.1.1 Excavating trenches of dressing of sides, ram then returning the soil a deposited layer by ram lead of 50 m : All kinds of soil (Ref. Item No. 2.10.1 of	ning of bott as required, ming, water	oms, depth in layers no	up to 1.5 m ot exceeding	,including; g 20 cm in(getting out t depth, inclue	he excavate ding consoli	ed soil, and datingeach	
		1	100.000	0.800	1.200	0.7	67.200		
			L		То	tal Quantity	67.200 cun	n	
				Т	otal Deduct	ed Quantity	0.000 cum		
			1	0	Net To	tal Quantity	67.200 cum	1	
	Say 67.200 cum @ Rs 579.85 / cum Rs 38965.92								
2	100.1.5 Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidatingeach deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :" Ordinary Rock. (Ref. Item No. 2.13.1 of DSR)								
		Kera	100.000 t	ero.800th	011.200	0.2	19.201		
					То	tal Quantity	19.201 cun	n	
				Т	otal Deduct	ed Quantity	0.000 cum		
					Net To	tal Quantity	19.201 cum	<u> </u>	
			Sa	ay 19.201 c	um @ Rs 84	42.10 / cum	Rs 161	69.16	
3	100.2.1 Excavation work by me drains (not exceeding bottoms, lift up to 1.5 m as directed, within a lea Medium Rock (Requirin New Data derived from	1.5 m in wi n, including ad of 50 m. g Blasting)	dth or 10 m getting out t	2 on plan),	including	dressing of	sides and r	amming of	
		1	100.000	0.800	1.200	0.07	6.721		
				I	То	tal Quantity	6.721 cum		
				Т	otal Deduct	ed Quantity	0.000 cum		
					Net To	tal Quantity	6.721 cum		
			Ş	Say 6.721 c	um @ Rs 74	49.12 / cum	Rs 50	34.84	
4	100.1.13								

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	"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 consolidatingeach deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : Hard Rock(Blasting Prohibited) (Ref. Item No. 2.13.3 Of DSR)									
		1	100.000	0.800	1.200	0.03	2.880			
					То	tal Quantity	2.880 cum			
				Т	otal Deduct	ed Quantity	0.000 cum			
					Net To	tal Quantity	2.880 cum			
			S	ay 2.880 cu	m @ Rs 16	24.48 / cum	Rs 46	78.50		
5	100.8.1 Fencing one side of trenches, 1.50 m height with two rows of 10 cm plastic caution tape in vertical casuarina pole (girth 15cm to 24cm) fixed at 2 m intervals. (Data Prepared based on PWD SDB - Item No.1009)									
		1	100.000	2LA	1 CA	<u></u>	100.000			
	Total Quantity 100.000 metre									
				Т	otal Deduct	ed Quantity	0.000 metre	e		
		Var	1 Wet		Net To	tal Quantity	100.000 me	etre		
		Kera	say	100.000 me	etre @ Rs 28	3.82 / metre	Rs 28	82.00		
6	50.2.25.1 Filling with contractor's not exceeding 20 cm in 50 m and lift up to 1.5	depth, con	solidating e	ach deposit	ted layer by			•		
		1	5.000				5.000			
					То	tal Quantity	5.000 cum			
				Т	otal Deduct	ed Quantity	0.000 cum			
					Net To	tal Quantity	5.000 cum			
				Say 5.000 c	um @ Rs 54	48.85 / cum	Rs 27	44.25		
7	100.14.3 Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials : 200 mm dia Ductile Iron Class K-9 Pipes Data derived from 18.72.17 in DAR									
		1	100.000				100.000			
					То	tal Quantity	100.000 m	etre		

				Т	otal Deduct	ed Quantity	0.000 metre	e	
					Net To	tal Quantity	100.000 me	etre	
			Say 1	00.000 meti	re @ Rs 127	7.45 / metre	Rs 12	745.00	
8	18.70.3 Providing push - on-join joints and including the		••••		•	uctile Iron Pi	pes includin	g testing of	
		18					18.000		
					То	tal Quantity	18.000 joir	ıt	
				Т	otal Deduct	ed Quantity	0.000 joint		
					Net To	tal Quantity	18.000 joint	t	
			S	Say 18.000 je	oint @ Rs 2 [·]	70.11 / joint	Rs 48	61.98	
9	18.30.5 Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:200 mm diameter pipe								
		4	1200	av A	121		4.000		
		155	Va	6252	То	tal Quantity	4.000 Nos		
	Total Deducted Quantity 0.000 Nos								
		Net Total Quantity 4.000 Nos Kerala Wat Say 4.000 Nos @ Rs 436.83 / Nos Rs 1747.32							
		Kera	ala Wat	Say 4.000 1	Nos @ Rs 4	36.83 / Nos	Rs 17	47.32	
10	18.67.1 Providing and laying S 300 mm dia	& S C.I. Sta	andard spec	cials suitable	e for mecha	nical jointing	g as per IS ⁻	13382:Upto	
	200 mm MJ collar	2				0.27	0.540		
					То	tal Quantity	0.540 quin	tal	
				Т	otal Deduct	ed Quantity	0.000 quint	al	
					Net To	tal Quantity	0.540 quint	al	
			Say 0.5	40 quintal @	2 Rs 14708	.65 / quintal	Rs 79	42.67	
11	18.66.1 Providing and laying S suitable for flanged joi		•			nds, collars	tapers and	l caps etc.,	
	200 mmx 22.5 degree bend	4				0.23	0.920		
	200 mmx 45 degree bend	4				0.26	1.040		
	Total Quantity							tal	
	Total Deducted Quantity 0.000								

							4.000							
					Net Io	tal Quantity	1.960 quini	al						
			Say 1	.960 quintal	@ Rs 9150	.76 / quintal	Rs 17	935.49						
12	18.83.5 Labour for cutting C.I.	pipe with ste	el saw.200	mm diamete	er C.I. pipe									
		5					5.000							
					To	tal Quantity	5.000 Eac	h Cut						
				Т	otal Deduct	ed Quantity	0.000 Each	n Cut						
					Net To	tal Quantity	5.000 Each	n Cut						
	Say 5.000 Each Cut @ Rs 449.57 / Each Cut Rs 2247.85													
13	100.35.3 Testing 200mm DI/CI pipeline with potable water to the required test pressure 200 mm dia Observed Data derived from item no.1020 of PHED DATA													
		1	100.000	8. 7/	2.0		100.000							
		(k)	NO	32/2	То	tal Quantity	100.000 m	ietre						
		15	US		otal Deduct	ed Quantity	0.000 metr	e						
		14th		22/31	Net To	tal Quantity	100.000 m	etre						
			Say	100.000 me	etre @ Rs 4	1.56 / metre	Rs 41	156.00						
14	4.1.3 Providing and laying i shuttering - All work u nominal size)	n position ce		ete of speci	fied grade e	-		-						
	For anchor block	4	1.000	1.000	1.000		4.000							
					То	tal Quantity	4.000 cum	I						
				Т	otal Deduct	ed Quantity	0.000 cum							
					Net To	tal Quantity	4.000 cum							
			S	Say 4.000 cu	ım @ Rs 834	40.93 / cum	Rs 33	363.72						
15	5.9.1 Centering and shutter columns, etc for mass	• •	strutting, et	c. and remo	oval of form	for:Foundat	ions, footing	js, bases of						
	For anchor block	4*4	1.000	1.000			16.000							
					То	tal Quantity	16.000 sq	n						
				Т	otal Deduct	ed Quantity	0.000 sqm							
	Net Total Quantity 16.000 sqm						n							
			S	Say 16.000 s	qm @ Rs 3	50.00 / sqm	Rs 56	600.00						
16	od192891/2018 2019													

	Construction of RCC v concrete base,150 mn									
	reinforcement includin									
		1					1.000			
					Тс	otal Quantity	1.000 No			
				1	otal Deduc	ted Quantity	0.000 No			
					Net To	otal Quantity	1.000 No			
				Say 1.000 I	No @ Rs 42	2969.05 / No	Rs 42	969.05		
17	100.31.1.5 "Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubb insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) : 200 mm diameter. Class I" Data derived from item no.18.31.4.1 of DAR									
		1			-		1.000			
		6.0	X	AN W	Т.	otal Quantity				
		(\mathcal{V})	1		1-2					
	Total Deducted Quantity 0.000 Nos Net Total Quantity 1.000 Nos									
	-	100		Say 1.000 N			Rs 1625.90			
	Conveying and fixing C excluding the cost of ai 25 mm Single acting Ai Observed Data derived	r valve(the t Valve	tail pieces	if required wi			s,rubber ins	ertions etc .		
		1					1.000			
			I		To	otal Quantity	1.000 Nos	I		
				ſ	otal Deduc	ted Quantity	0.000 Nos			
					Net To	otal Quantity	1.000 Nos			
				Say 1.000	Nos @ Rs 1	46.63 / Nos	Rs 1	46.63		
19	100.98.117 Supply of DI K9 Pipe Co	onforming to	o IS 8329/2	2000, 200mm	Dia.					
		1	100.000				100.000			
					Тс	otal Quantity	100.000 m	etre		
				Г	otal Deduc	ted Quantity	0.000 metr	Э		
					Net To	otal Quantity	100.000 m	etre		
			Say 1	00.000 metre	e @ Rs 258	9.08 / metre	Rs 258	908.00		
20	100.98.461									

	Supply of CI Double Fla Size 200mm.	nged Sluic	e Valve Con	forming to I	S 14846 - 2	000, Sluice	Valve with (Cap PN 1.6,	
		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 N	No @ Rs 23	723.65 / No	Rs 23	723.65	
21	100.98.440 Supply of CI Air Valve, C	Conforming	to IS 14848	- 2000, Sin	gle Orifice,	Small Orifice	e Type S1, S	Size 25mm.	
		1					1.000		
			Can	2	То	tal Quantity			
	Total Deducted Quantity 0.000 No Net Total Quantity 1.000 No								
	Say 1.000 No @ Rs 5636.75 / No Rs 5636.75								
SI No	Description	No	L	В	D	CF	Quantity	Remark	
28Appen	ndix B - (8)- Line chargin to Mar	a set of the set of the second	ation& intero on Kattappa		- (g) Interco st Index:41.		between Idu	Ikkikavala	
1	100.12.10 "Conveying and fixing excluding cost of pipes 125 mm dia nominal bor Observed Data derived	and fittin	gs - Externa	al work.		ng trenchin	g and refilli	ng etc. but	
		1	450.000				450.000		
		1	500.000				500.000		
	Total Deducted Quantity 0.000 metre								
				Т		tal Quantity ed Quantity			
				Т	otal Deduct		0.000 metro	Э	
			Say 9		otal Deduct Net To	ed Quantity	0.000 metro 950.000 me	Э	
2	15.2.1 Demolishing cement co metres lead as per direc design mix)		nually / by m	50.000 meti nechanical r	otal Deduct Net To re @ Rs 274 means inclu	ed Quantity tal Quantity 4.99 / metre ding dispos	0.000 metro 950.000 me Rs 261 al of materi	e etre 240.50 al within 50	
2	Demolishing cement co metres lead as per direc		nually / by m	50.000 meti nechanical r	otal Deduct Net To re @ Rs 274 means inclu	ed Quantity tal Quantity 4.99 / metre ding dispos	0.000 metro 950.000 me Rs 261 al of materi	e etre 240.50 al within 50	
2	Demolishing cement co metres lead as per direc design mix) Demolishing of road surface concrete for	ction of En	nually / by m gineer - in-C	50.000 meti nechanical r harge.Nom	otal Deduct Net To re @ Rs 274 means inclu inal concret 0.200	ed Quantity tal Quantity 4.99 / metre ding dispos	0.000 metro 950.000 me Rs 261 al of materi cher mix (i/o 90.000	e etre 240.50 al within 50 c equivalent	

					Net To	tal Quantity	90.000 cum	ı		
			Sa	y 90.000 cu	ım @ Rs 21	34.72 / cum	Rs 192	124.80		
3	4.1.3 Providing and laying in shuttering - All work up nominal size)	•		-	•	-		•		
	For anchor block	20	0.600	0.600	0.600		4.320			
	For restoration of road	1	750.000	0.600	0.200		90.000			
					То	tal Quantity	94.320 cur	n		
				Т	otal Deduct	ed Quantity	0.000 cum			
			Re	6	Net To	tal Quantity	94.320 cum	۱		
			Sa	y 94.320 cu	ım @ Rs 83	40.93 / cum	Rs 786	716.52		
4	od189995/2018_2019 Supplying 125mm GI(m) pipe									
	125 mm GI(m) pipe	1	450.000	22/2	121		450.000			
		1	500.000		3 20	2	500.000			
	Total Quantity 950.000 metre Total Deducted Quantity 0.000 metre									
		Ker	ala Wate	er Auth	OriNet To	tal Quantity	950.000 me	etre		
			Say 95	0.000 metre	e @ Rs 1434	1.45 / metre	Rs 136	2727.50		
5	od3664/2019_2020 Specials for 125 mm GI	(m) pipe	10 % of value	of pipe su	pply.					
		1					1.000			
					То	tal Quantity	1.000 set			
				Т	otal Deduct	ed Quantity	0.000 set			
					Net To	tal Quantity	1.000 set			
			S	ay 1.000 se	et @ Rs 136	277.50 / set	Rs 136	277.50		
SI No	Description	No	L	В	D	CF	Quantity	Remark		
29Appe	ndix B - (8)- Line chargin	ng, stabiliz distributio			n - (h) Gap f ex:41.53 %)	-	s at various	places of		
1	100.12.6									
	Conveying and fixing		•		ngs includiı	ng trenching	g and refilli	ng etc. but		
	excluding cost of pipe 50 mm dia nominal bore		igs - Externa	ai work.						
	Observed Data derived		no.18.12.6 of	DAR						
	Data for 10 m									

			1				1			
	At various places of distribution system	1	300.000				300.000			
					То	tal Quantity	300.000 m	etre		
				Т	otal Deduct	ed Quantity	0.000 metre	÷		
					Net To	tal Quantity	300.000 me	etre		
			Say 3	300.000 meti	re @ Rs 174	1.65 / metre	Rs 523	395.00		
2	100.12.7									
	Conveying and fixing excluding cost of pipe 65 mm dia nominal born Data derived from item	es and fittin	gs - Extern		ngs includir	ng trenchin	g and refilli	ng etc. but		
	Data for 10 m	4	450.000				450.000			
		1	450.000				450.000			
		1	÷2-9	8 %	7 1 3		450.000 m			
	Total Deducted Quantity 0.000 metre Net Total Quantity 450.000 metre									
		1 sta	Say 4	50.000 metr	re @ Rs 217	7.39 / metre	Rs 978	325.50		
	Conveying and fixing excluding cost of pipe 80 mm dia nominal bord Data derived from item Data for 10 m	es and fittin	gs - Extern	al work	ority			ig etc. but		
		1	600.000				600.000			
					То	tal Quantity	600.000 m	etre		
				т	otal Deduct	ed Quantity	0.000 metre	9		
					Net To	tal Quantity	600.000 me	etre		
			Say 6	600.000 meti	re @ Rs 217	7.74 / metre	Rs 130	644.00		
4	Say 600.000 metre @ Rs 217.74 / metre Rs 130644.00 100.12.9 Conveying and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. but excluding cost of pipes and fittings - External work. 100 mm dia nominal bore Observed Data derived from item no.18.12 of DAR									
		1	300.000				300.000			
		<u> </u>			То	tal Quantity		etre		
				т		-	0.000 metre			
				•		-	300.000 me			

			Say 3	800.000 met	re @ Rs 24	5.48 / metre	Rs 73	644.00		
5	100.12.10 "Conveying and fixing excluding cost of pipe 125 mm dia nominal bo Observed Data derived	s and fitting	gs - Extern	al work.	ngs includi	ng trenchin	g and refilli	ng etc. but		
		1	150.000				150.000			
					То	tal Quantity	150.000 m	etre		
				Т	otal Deduct	ed Quantity	0.000 metre	9		
					Net To	tal Quantity	150.000 me	etre		
	Say 150.000 metre @ Rs 274.99 / metre Rs 41248.50									
6	5.1.3 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)									
	Anchor block	1	16.000	0.600	0.600		5.760			
	Total Quantity 5.760 cum									
	Total Deducted Quantity 0.000 cum									
			No and	1010022	Net To	tal Quantity	5.760 cum			
		Kera	ala Was	ay 5.760 cu	m @ Rs 89	64.72 / cum	Rs 51	636.79		
7	od189999/2018_2019 Supply of 50mm GI pipe	e (M).	2		'F	1				
	50mm GI(m) pipe	1	300.000				300.000			
					То	tal Quantity	300.000 m	etre		
				Т	otal Deduct	ed Quantity	0.000 metre	9		
					Net To	tal Quantity	300.000 me	etre		
			Say 3	00.000 met	re @ Rs 509	9.59 / metre	Rs 152	877.00		
8	od190454/2018_2019 Supply 65 mm GI pipe(m) as per di	rection							
		1	450.000				450.000			
					То	tal Quantity	450.000 m	etre		
				Т	otal Deduct	ed Quantity	0.000 metre	9		
					Net To	tal Quantity	450.000 me	etre		
			Say 4	50.000 met	re @ Rs 649	9.33 / metre	Rs 292	198.50		
9	od190319/2018_2019									
	Supply of 80mm GI pipe	e(m)								

		1	600.000				600.000		
					То	tal Quantity	600.000 m	etre	
				Т	otal Deduct	ed Quantity	0.000 metre	9	
					Net To	tal Quantity	600.000 me	etre	
			Say 6	600.000 meti	re @ Rs 830).16 / metre	Rs 498	096.00	
10	od190456/2018_2019 Supply of 100 mm GI(m	n) pipe							
		1	300.000				300.000		
					То	tal Quantity	300.000 m	etre	
				т	otal Deduct	ed Quantity	0.000 metre	9	
			(Ga	5A)	Net To	tal Quantity	300.000 me	etre	
			Say 30	0.000 metre	@ Rs 1052	2.32 / metre	Rs 315	696.00	
11	od189995/2018_2019 Supplying 125mm GI(m) pipe								
		1	150.000	21	TR.		150.000		
		1ah	Ka	Sar.	То	tal Quantity	150.000 m	etre	
				Т	otal Deduct	ed Quantity	0.000 metre	e	
		T7	1 337	A BRE P	Net To	tal Quantity	150.000 me	etre	
		Kera	Say 15	60.000 metre	@ Rs 1434	1.45 / metre	Rs 215	167.50	
12	od269/2019_2020 Specials for GI (m) pipe GI(m) pipes.	es- KIIFB Ay	yappancovi	I Gap filling	works - 50m	nm, 65mm, 8	30mm, 100n	nm, 125mm	
		1					1.000		
					То	tal Quantity	1.000 set		
				Т	otal Deduct	ed Quantity	0.000 set		
					Net To	tal Quantity	1.000 set		
			S	ay 1.000 se	t @ Rs 1288	368.00 / set	Rs 128	868.00	
SI No	Description	No	L	В	D	CF	Quantity	Remark	
30Append	dix B - (8)- Line chargin syste	ig, stabiliza m in Zone			- (i) Leak re t Index:41.		works in di	stribution	

1	100.47.1.3Leak rectification work in 50 mm PVC (Class 2 to 6) pipe line including detecting and locating leak, earth work excavation in all kinds of soil for for exposing leak portion of the pipe including tar cutting / concrete cutting, cutting the pipe diametrically perpendicular to the axis of pipe line with out causing any damages to the remaining portion, dismantling and lifting the pipe from trenches, smoothening the cut ends, conveying the new pipe to the site, cutting and lowering new pipe in to the trenches, placing in position aligning the pipe to line and level and jointing the new pipe with the existing pipe with solvent cement or or any available joint and testing the pipe line by operating the valves concerned, and rectifying the defects if noticed and without causing any damages to the existing utilities and refilling the trenches using excavated earth in layers not exceeding 20cm depth including consolidating each layers by ramming, watering, charges for removing surplus soil from work site, including hire for tools and plant, conveyance of tools and materials, bailing out water, providing caution boards,lighting,watching, ribbon fencing, traffic controlling etc.complete as per the direction of Departmental officers including the cost of pipe and PVC specials; PVC Pipes and specials shall be of good quality and conforming to relevant standards: All Socketed Jointing.zone II20									
		20					20.000			
		6	X 2	K X	Тс	tal Quantity	20.000 Lea	ak		
	Total Deducted Quantity 0.000 Leak									
	Net Total Quantity 20.000 Leak									
		100	Say	20.000 Lea	ık @ Rs 139	9.52 / Leak	Rs 279	990.40		
2	100.47.1.4 Leak rectification work work excavation in all k cutting, cutting the pipe to the remaining portion conveying the new pipe aligning the pipe to line or any available joint a defects if noticed and w excavated earth in laye watering, charges for re- of tools and materials, k controlling etc.complete specials; PVC Pipes a Socketed Jointing.	inds of soil diametrica on, disman e to the site and level a and testing vithout caus ers not exc emoving sui pailing out v e as per the	for for expo lly perpendid tling and lif e, cutting an and jointing the pipe lin ing any dam eeding 20cr rplus soil fro vater, provid e direction of	sing leak po cular to the a ting the pip d lowering i the new pip he by opera hages to the m depth inc m work site ling caution	rtion of the axis of pipe be from trer new pipe in e with the e ting the val existing util luding cons , including h boards,light ntal officers	pipe includir line with out to the s, smoo to the trence existing pipe ves concerr ities and refi solidating ea hire for tools ting,watching including the	ng tar cutting t causing an othening the hes,placing with solvent ned, and re- lling the tren ach layers b and plant, c g, ribbon fen e cost of pip	g / concrete y damages e cut ends, in position t cement or ctifying the nches using y ramming, conveyance ucing, traffic e and PVC		
	Zone VII and Zone VI	30					30.000			
					Тс	otal Quantity	30.000 Lea	ak		
				Т	otal Deduct	ed Quantity	0.000 Leak			
					Net To	otal Quantity	30.000 Lea	k		
			Say	30.000 Lea	ık @ Rs 169	92.18 / Leak	Rs 507	765.40		
3	100.47.1.5									

	Leak rectification work in 75 mm PVC (Class 2 to 6) pipe line including detecting and locating leak, earth work excavation in all kinds of soil for for exposing leak portion of the pipe including tar cutting / concrete cutting, cutting the pipe diametrically perpendicular to the axis of pipe line with out causing any damages to the remaining portion, dismantling and lifting the pipe from trenches, smoothening the cut ends, conveying the new pipe to the site, cutting and lowering new pipe in to the trenches, placing in position aligning the pipe to line and level and jointing the new pipe with the existing pipe with solvent cement or or any available joint and testing the pipe line by operating the valves concerned, and rectifying the defects if noticed and without causing any damages to the existing utilities and refilling the trenches using excavated earth in layers not exceeding 20cm depth including consolidating each layers by ramming, watering, charges for removing surplus soil from work site, including hire for tools and plant, conveyance of tools and materials, bailing out water, providing caution boards,lighting,watching, ribbon fencing, traffic controlling etc.complete as per the direction of Departmental officers including the cost of pipe and PVC specials; PVC Pipes and specials shall be of good quality and conforming to relevant standards; All Socketed Jointing.											
	15 15.000 Total Quantity 15.000 Leak											
	Total Quantity 15.000 Leak											
		11	Y A	T AT	otal Deduct	ed Quantity	0.000 Leak					
		A		220	Net To	tal Quantity	15.000 Lea	k				
		194	Say	15.000 Lea	ik @ Rs 181	7.26 / Leak	Rs 272	258.90				
4	100.47.1.6 Leak rectification work in 90 mm PVC (Class 2 to 6) pipe line including detecting and locating leak, earth work excavation in all kinds of soil for for exposing leak portion of the pipe including tar cutting / concrete cutting, cutting the pipe diametrically perpendicular to the axis of pipe line with out causing any damages to the remaining portion, dismantling and lifting the pipe from trenches, smoothening the cut ends, conveying the new pipe to the site, cutting and lowering new pipe in to the trenches, placing in position aligning the pipe to line and level and jointing the new pipe with the existing pipe with solvent cement or or any available joint and testing the pipe line by operating the valves concerned, and rectifying the defects if noticed and without causing any damages to the existing utilities and refilling the trenches using excavated earth in layers not exceeding 20cm depth including consolidating each layers by ramming, watering, charges for removing surplus soil from work site, including hire for tools and plant, conveyance of tools and materials, bailing out water, providing caution boards,lighting,watching, ribbon fencing, traffic controlling etc.complete as per the direction of Departmental officers including the cost of pipe and PVC specials; PVC Pipes and specials shall be of good quality and conforming to relevant standards: All											
	Zone I and II	15					15.000					
					То	tal Quantity	15.000 Lea	ak				
				Т	otal Deduct	ed Quantity	0.000 Leak					
					Net To	tal Quantity	15.000 Lea	k				
			Say	15.000 Lea	ık @ Rs 204	6.80 / Leak	Rs 30	702.00				
5	100.47.2.1 Leak rectification work	in 90 mm P	VC (Class 2	to 6) pipe l	ine including	g detecting a	and locating	leak, earth				

Г

	work excavation in all kinds of soil for for exposing leak portion of the pipe including tar cutting / concrete cutting, cutting the pipe diametrically perpendicular to the axis of pipe line with out causing any damages to the balance portion, dismantling and lifting the pipe from trenches, smoothening the cut ends, conveying the new pipe, cutting and lowering new pipe in to the trenches, placing in position aligning the pipe to line and level and jointing the new pipe with the existing pipe with solvent cement or repairable joint and testing the pipe line by operating the valves concerned, and rectifying the defects if noticed and refilling the trenches in layers not exceeding 20cm depth including consolidating each layers by ramming, watering, charges for removing surplus soil from work site without causing any damages to the existing utilities, including hire for tools and plant, conveyance of tools and materials, bailing out water, providing caution boards, lighting, ribbon fencing, watching, traffic control etc.complete as per the direction of Departmental officers, including the cost of pipe & specials but excluding the cost of CIR Joints; PVC Pipes and specials shall be of good quality and conforming to relevant standards: Socket & CIR Jointing.									
	Zone I and II	7	1	-			7.000			
	Total Quantity 7.000 Leak									
	Total Deducted Quantity 0.000 Leak									
		6	XX	S. W	Net To	tal Quantity	7.000 Leak			
		(L)	Say	7.000 Lea	k @ Rs 229	94.70 / Leak	Rs 16	062.90		
6	100.47.2.2 Leak rectification work i work excavation in all k cutting, cutting the pipe to the balance portion conveying the new pipe pipe to line and level a joint and testing the pip refilling the trenches in watering, charges for re utilities, including hire for caution boards,lighting Departmental officers, Pipes and specials sha	inds of soil diametrical a, dismantli a, cutting ar nd jointing e line by op ayers not e emoving su or tools and a, ribbon fe including th	for for exposi- ly perpendic ang and liftin the new pipe perating the ver- exceeding 20 rplus soil fro- l plant, conver- ncing, watch ne cost of pip	ing leak po ular to the a ag the pipe ew pipe in with the e alves conc cm depth in m work site eyance of to ning, traffic pe & specia	rtion of the axis of pipe from trend to the trend existing pipe erned, and cluding cor e without ca cools and ma cools and ma control etc als but excl	pipe includir line with out ches, smoothes, placing with solver rectifying the solidating e using any d aterials, bailit c.complete uding the c	ng tar cuttin t causing ar othening the in position nt cement o e defects if ach layers h amages to ng out wate as per the ost of CIR	g / concrete ny damages e cut ends, aligning the r repairable noticed and by ramming, the existing er, providing direction of Joints; PVC		
		10					10.000			
					То	tal Quantity	10.000 Lea	ak		
				Т	otal Deduct	ed Quantity	0.000 Leak			
					Net To	tal Quantity	10.000 Lea	k		
			Say	10.000 Lea	k @ Rs 267	'9.96 / Leak	Rs 26	799.60		
7	100.47.2.3 Leak rectification work i work excavation in all k cutting, cutting the pipe to the balance portion	inds of soil diametrical	for for expos	ing leak po ular to the a	rtion of the axis of pipe	pipe includir line with ou	ng tar cuttin t causing ar	g / concrete ny damages		

	pipe to line and level a joint and testing the pip refilling the trenches in watering, charges for r utilities, including hire f caution boards, lighting Departmental officers,	nd jointing be line by op layers not e emoving su or tools and g, ribbon fe including th	the new pip berating the exceeding 2 rplus soil fr plant, con- ncing, wate ne cost of p	be with the e valves conc 0cm depth in om work site veyance of to ching, traffic bipe & specia	xisting pipe erned, and ncluding con e without ca pols and ma control et als but exc	e with solver rectifying the nsolidating e ausing any d aterials, baili c.complete	in position aligning the at cement or repairable e defects if noticed and ach layers by ramming, amages to the existing ng out water, providing as per the direction of ost of CIR Joints; PVC Socket & CIR Jointing.			
	zone VI	10					10.000			
	Total Quantity 10.000 Leak									
			-	Т	otal Deduc	ted Quantity	0.000 Leak			
			(G)		Net To	otal Quantity	10.000 Leak			
			Say	y 10.000 Lea	k @ Rs 32	25.99 / Leak	Rs 32259.90			
8	work excavation in all k cutting, cutting the pipe to the balance portion conveying the new pipe pipe to line and level a joint and testing the pip refilling the trenches in watering, charges for r utilities, including hire f caution boards, lighting Departmental officers,	inds of soil diametrica n, dismantli e, cutting ar nd jointing be line by op layers not e emoving su or tools anc g, ribbon fe including th	for for expo ly perpendi- ing and lift ad lowering the new pip perating the exceeding 2 rplus soil fr plant, com- ncing, wate ne cost of p	esing leak po icular to the a ing the pipe new pipe in be with the e valves conc Ocm depth in om work site veyance of to ching, traffic pipe & specia	rtion of the axis of pipe e from tren to the trend xisting pipe erned, and neluding con e without ca bols and ma control et als but exc g to relevar	pipe includir line with our oches, smoo ches, placing with solver rectifying the nsolidating e ausing any d aterials, baili c.complete	and locating leak, earth ing tar cutting / concrete t causing any damages othening the cut ends, in position aligning the nt cement or repairable e defects if noticed and ach layers by ramming, amages to the existing ng out water, providing as per the direction of ost of CIR Joints; PVC Socket & CIR Jointing. 56.000 56.000 Leak			
				Т	otal Deduc	ted Quantity	0.000 Leak			
					Net To	otal Quantity	56.000 Leak			
			Say	y 56.000 Lea	k @ Rs 369	90.21 / Leak	Rs 206651.76			
9	one side of the joint) in pipe including tar cuttin joint without causing an with mechanical and typ line to the required test	ncluding ear ng / concrete ny damages ton joint afte pressure, re	th work exc e cutting, by to the rema er cleaning t ectifying an	cavation in a y cutting and aining portion the ends, cer y defects not	Il kinds of s removing a of the line ntering the p ticed and re	soil for expose a portion of p and specials pipe, providir efilling the tre	k a length of 1.0m from sing leak portion of the pipe from the damaged and replacing the pipe ng the joints, testing the nches using excavated by ramming, watering,			

	removing the surplus so the charges of hire an lighting, watching, ribbo and as per the direction	d conveya on fencing,	nce of tools caution boa	s, plants and ards, traffic d	I materials iversion bu	to the leak	site, bailing	g out water,	
	Zone II ,III and VII	5					5.000		
					Тс	otal Quantity	5.000 Leal	k	
				т	otal Deduct	ted Quantity	0.000 Leak		
					Net To	otal Quantity	5.000 Leak		
		Say 5.000 Leak @ Rs 5858.48 / Leak Rs 29							
10	100.49.1.3 Rectification of joint lead one side of the joint) in pipe including tar cuttin joint without causing and with mechanical and tyte line to the required test earth in layers not exco removing the surplus so the charges of hire an lighting, watching, ribbo and as per the direction	y damages on joint after pressure, r ceeding 200 bil from the d conveyar	rth work exe e cutting, by to the rema er cleaning t ectifying an cm depth in work site, w nce of tools caution boa nental office	cavation in a v cutting and aining portion the ends, cer y defects not acluding cons vithout causir s, plants and ards, traffic d	Il kinds of s removing a of the line ntering the p iced and re solidating e ng any dam I materials iversion bu blete.	soil for expose a portion of p and specials bipe, providir filling the tre each layers ages to any to the leak	sing leak po pipe from the and replacing the joints inches using by ramming other utilities site, bailing cost of mech	ortion of the le damaged ing the pipe , testing the g excavated g, watering, es, including g out water,	
		B LEI		el Auti			3.000		
			R	Т		ted Quantity			
						otal Quantity			
			Si	ay 3.000 Lea				960.58	
11	100.49.1.4 Rectification of joint lea one side of the joint) in pipe including tar cuttin joint without causing an with mechanical and tyt line to the required test earth in layers not exc removing the surplus so the charges of hire an lighting, watching, ribbo and as per the direction	y damages on joint after pressure, r ceeding 200 bil from the d conveyation fencing,	50mm DI Pip rth work exc e cutting, by to the rema er cleaning t ectifying an cm depth in work site, w nce of tools caution boa	be (cutting, re cavation in a cutting and aining portion he ends, cer y defects not cluding cons vithout causir s, plants and ards, traffic d	emoving an Il kinds of s removing a of the line ntering the p iced and re solidating e ng any dam I materials iversion bu	d laying bac soil for expose a portion of p and specials bipe, providir filling the tre each layers ages to any to the leak	k a length o sing leak po pipe from th and replac ng the joints nches using by ramming other utilitie site, bailing	of 1.0m from ortion of the le damaged ing the pipe , testing the g excavated g, watering, es, including g out water,	
		3		İ			3.000		
			I	· · · · · · · · · · · · · · · · · · ·	Тс	otal Quantity		k	

				-				
				I		-	0.000 Leak	
					Net To	tal Quantity	3.000 Leak	
			Sa	y 3.000 Lea	k @ Rs 791	2.50 / Leak	Rs 237	737.50
12	100.49.1.5 Rectification of joint lea one side of the joint) in pipe including tar cuttin joint without causing an with mechanical and tyt line to the required test earth in layers not exc removing the surplus so the charges of hire an lighting, watching, ribbo and as per the direction	cluding ear g / concrete y damages on joint afte pressure, re eeeding 20c bil from the d conveyar	th work exc e cutting, by to the remain r cleaning th ectifying any m depth ind work site, with nee of tools caution boa	avation in a cutting and ining portion ne ends, cer defects not cluding con- ithout causir , plants anc rds, traffic d	Il kinds of s removing a of the line a ntering the p iced and ref solidating e ng any dama I materials iversion but	oil for exposi- portion of p and specials ipe, providir illing the tre ach layers ages to any to the leak	sing leak po pipe from the and replacing the joints, nches using by ramming other utilitie site, bailing	ortion of the e damaged ing the pipe , testing the g excavated g, watering, s, including g out water,
		1	8.3	8. 7/	1		1.000	
		(1)	120	23/2	To	tal Quantity	1.000 Leak	< Comparison of the second sec
		155	US	the state	otal Deduct	ed Quantity	0.000 Leak	
				22/34	Net To	tal Quantity	1.000 Leak	
	Say 1.000 Leak @ Rs 8846.13 / Leak Rs 8846.13							
13	100.50.1.1 Rectification of leakage earth work excavation cutting, by cutting, remo damages to the remain size and jointing by thra jointing to make a wate and refilling the trend consolidating each lay causing any damages t materials to the leak s diversion, including the departmental officers	es of 32 mm in all kinds oving and st ning portion aded couple r tight joint, ches using ers by ramm o any other ite, bailing he cost of	s of soil for acking the o and specia er and union testing the l excavated ning, wateri utilities, incl out water, l specials b	50mm GI Pi exposing le damaged po ls and conv of suitable ine to the re earth in la ng, removir luding the ch ighting, wat	pes by repla ak portion of rtion from the eying and r size including quired press ayers not en ag the surpling harges hire a the surpling of the surpling of t	of the pipe i he existing li replacing wi ng threading sure, rectify exceeding 2 us soil from and convey on fencing,	ncluding tar ne without of th GI Pipes a alignment, ing any defe 20cm depth the work s ance of tools caution boa	r / concrete causing any of suitable , laying and ects noticed n including ite, without s, plant and ards, traffic
	Zone I,II,III and VI	40					40.000	
					То	tal Quantity	40.000 Lea	ak
	-			Т	otal Deduct	ed Quantity	0.000 Leak	
					Net To	tal Quantity	40.000 Lea	k
			Say	40.000 Lea	k @ Rs 227	9.32 / Leak	Rs 91′	172.80
14	100.50.1.2 Rectification of leakag	jes of 65 m	nm GI Pipe	s by replac	ing lengths	up to 1.0n	n including	earth work

	excavation in all kindss of soil for exposing leak portion of the pipe including tar / concrete cutting, by cutting, removing and stacking the damaged portion from the existing line without causing any damages to the remaining portion and specials and conveying and replacing with GI Pipes of suitable size and jointing by thraded coupler and union of suitable size including threading, alignment, laying and jointing to make a water tight joint, testing the line to the required pressure, rectifying any defects noticed and refilling the trenches using excavated earth in layers not exceeding 20cm depth including consolidating each layers by ramming, watering, removing the surplus soil from the work site, without causing any damages to any other utilities, including the charges hire and conveyance of tools, plant and materials to the leak site, bailing out water, lighting, watching, ribbon fencing, caution boards, traffic diversion, including the cost of specials but excluding cost of pipe and as per the direction of departmental officers etc. complete.									
	Zone I,II,III ,IV and VI	25					25.000			
	Total Quantity 25.000 Leak									
			A	SPA T	otal Deducte	ed Quantity	0.000 Leak			
	Net Total Quantity 25.000 Leak									
		619	Say	/ 25.000 Lea	k @ Rs 325	1.11 / Leak	Rs 812	277.75		
15	100.50.1.3 Rectification of leakages of 80 mm GI Pipes by replacing lengths up to 1.0m including earth work excavation in all kindss of soil for exposing leak portion of the pipe including tar / concrete cutting, by cutting, removing and stacking the damaged portion from the existing line without causing any damages to the remaining portion and specials and conveying and replacing with GI Pipes of suitable size and jointing by thraded coupler and union of suitable size including threading, alignment, laying and jointing to make a water tight joint, testing the line to the required pressure, rectifying any defects noticed and refilling the trenches using excavated earth in layers not exceeding 20cm depth including consolidating each layers by ramming, watering, removing the surplus soil from the work site, without causing any damages to any other utilities, including the charges hire and conveyance of tools, plant and materials to the leak site, bailing out water, lighting, watching, ribbon fencing, caution boards, traffic diversion, including the cost of specials but excluding cost of pipe and as per the direction of departmental officers etc. complete.									
	Zone I,II,III,IV and VI	16					16.000			
						tal Quantity				
				Т			0.000 Leak			
							16.000 Lea			
16	100.50.1.4 Rectification of leakag excavation in all kinds cutting, removing and s to the remaining portic jointing by thraded coup make a water tight join	s of soil for stacking the in and spec oler and unio	mm GI Pipe exposing le damaged p sials and co on of suitab	eak portion of portion from t nveying and le size includ	ing lengths of the pipe i the existing I replacing ling threadir	up to 1.0n ncluding ta line without with GI Pipe ng, alignmer	n including r / concrete t causing an es of suitab nt, laying an	cutting, by y damages le size and d jointing to		

	refilling the trenches u each layers by rammi damages to any other the leak site, bailing including the cost of sp etc. complete.	ng, waterin utilities, incl out water,	g, removing uding the cha lighting, wat	the surplus arges hire a ching, ribbo	soil from t nd conveya on fencing,	the work site ance of tools caution bo	e, without c , plant and ards, traffic	ausing any materials to c diversion,	
		5					5.000		
					To	tal Quantity	5.000 Leal	٢	
	Total Deducted Quantity 0.000 Leak Net Total Quantity 5.000 Leak								
			Sa	y 5.000 Lea	k @ Rs 372	28.38 / Leak	Rs 18	641.90	
17	100.50.1.5 Rectification of leakage excavation in all kinds cutting, removing and to the remaining portion jointing by thraded cour make a water tight join refilling the trenches un each layers by ramming damages to any other the leak site, bailing of including the cost of speet.	ss of soil for stacking the on and spe- pler and un int, testing sing excava ng, waterin utilities, incl out water,	e exposing le e damaged p cials and cor ion of suitable the line to th ated earth in g, removing uding the cha lighting, wat	ak portion of ortion from the nveying and e size includ e required layers not e the surplus arges hire a ching, ribbo	of the pipe the existing l replacing ling threadi pressure, 1 exceeding 2 soil from t nd conveya on fencing, d as per th	including ta line without with GI Pipe ng, alignmer rectifying ar 20cm depth the work site ance of tools caution bo	r / concrete causing an es of suitab nt, laying an ny defects r including co e, without c , plant and ards, traffic of departme 6.000	e cutting, by ny damages ale size and d jointing to noticed and onsolidating rausing any materials to c diversion, ntal officers	
				Т	otal Deduct	ed Quantity	0.000 Leak		
					Net To	tal Quantity	6.000 Leak		
			Sa	y 6.000 Lea	k @ Rs 431	4.97 / Leak	Rs 25	889.82	
18	100.50.1.6 Rectification of leakage excavation in all kinds cutting, removing and to the remaining portion jointing by thraded cour make a water tight join refilling the trenches un each layers by ramming damages to any other the leak site, bailing of including the cost of specific sectors of specific sectors and the sector sectors and the sectors of specific sectors and the sectors are sectors are sectors are sectors are sectors and the sectors are set of the sectors are sectors a	ss of soil for stacking the on and spe- pler and un int, testing sing excava ng, waterin utilities, incl out water,	exposing le e damaged p cials and cor ion of suitable the line to th ated earth in g, removing uding the cha lighting, wat	ak portion of ortion from the nveying and e size includ e required layers not e the surplus arges hire a ching, ribbo	of the pipe the existing I replacing ling threadi pressure, i exceeding 2 soil from t nd conveya on fencing,	including ta line without with GI Pipe ng, alignmer rectifying ar 20cm depth the work site ance of tools caution bo	r / concrete t causing ar es of suitab nt, laying an ny defects r including co e, without c , plant and ards, traffic	e cutting, by ny damages le size and d jointing to noticed and onsolidating ausing any materials to c diversion,	

	etc. complete.		_				-				
		4					4.000				
					То	tal Quantity	4.000 Leal	ĸ			
				Т	otal Deduct	ed Quantity	0.000 Leak				
					Net To	tal Quantity	4.000 Leak				
			Sa	y 4.000 Lea	k @ Rs 493	8.51 / Leak	Rs 19	754.04			
19	100.37.3 Welding MS sheet, pip welding rod / gas, all	-			-		Iding incluc	ling cost of			
	150mm GI	4	2*3.14*7.5				188.400				
	125mm GI	4	2*3.14*6.2 5	A			157.000				
	100mm GI	5	2*3.14*5		1		157.000				
	80mm GI	25	2*3.14*4	S. K	111		628.000				
	65	30	2*3.14*3.5		T-A		659.400				
	Total Quantity 1789.800 cm										
	Total Deducted Quantity 0.000 cm										
			Rich	APR B	Net To	tal Quantity	1789.800 c	m			
		Kera	ala Wat	Say 1789.80	00 cm @ Rs	12.45 / cm	Rs 22	283.01			
20	100.58.1 Rectifying the leakage kinds of soil for expos portion of pipe, fixing connecting with existing and refilling the trend consolidating each lay causing any damages t and materials to the lead diversion, including co complete.	ing the pipe new 20/25 g pipe line,t ches using ers by ram o any other ak site, baili	eline include mm GI pipe esting the li excavated ming, water rutilities, inc ng out wate	ing concrete e and speci ne to the re- l earth in la ing, removir luding the c r, lighting, w	I tar cuttir als in place quired press ayers not e ng the surpl harges of hi vatching, rib	e of damage sure, rectifying exceeding 2 us soil from the and convi	nd removin ed portion of ing any defe 20cm deption the work so veyance of to , caution bo	g damaged of pipe and ects noticed h including site, without cools, plants pards, traffic			
		10					10.000				
	Total Quantity 10.000 Leak										
				Т	otal Deduct	ed Quantity	0.000 Leak				
					Net To	tal Quantity	10.000 Lea	ık			
			Sa	iy 10.000 Le	ak @ Rs 82	4.64 / Leak	Rs 82	246.40			
21	100.56.1 Supplying and fixing 15	5 / 20 mm F	PVC public t	ap after disi	mantling the	e damaged t	tap includin	g all cost of			

	materials, labour charge	es, hire for	tools and as	per the dire	ction of the	department	officers etc	complete.		
		15					15.000			
					То	tal Quantity	15.000 No:	6		
				Т	otal Deduct	ed Quantity	0.000 Nos			
					Net To	tal Quantity	15.000 Nos			
			S	ay 15.000 N	Nos @ Rs 1	33.53 / Nos	Rs 20	02.95		
22	100.98.1008 Engaging Coolie									
	Engaging coolie for cleaning inside of water tanks, premises of water tanks, plant compound, pump houses etc	40	A	N			40.000			
		610	N R	SN /	То	tal Quantity	40.000 Day	ý		
		S	1 NY	Т	otal Deduct	ed Quantity	0.000 Day			
	Net Total Quantity 40.000 Day									
	Say 40.000 Day @ Rs 917.26 / Day Rs 36690.40									
23	13.44.1 Finishing walls with wat @ 3.84 kg/10 sqm)	er proofing	cement pair	it of require	d shade:Ne	w work (Two	o or more co	ats applied		
	Painting the existing GL tanks and raw water pump house		1200.000				1200.000			
					То	tal Quantity	1200.000 ទ	sqm		
				Т	otal Deduct	ed Quantity	0.000 sqm			
					Net To	tal Quantity	1200.000 s	qm		
			Say	1200.000 s	qm @ Rs 1′	12.09 / sqm	Rs 134	508.00		
24	100.98.48 Supply of PVC Tap									
		15					15.000			
					То	tal Quantity	15.000 No			
				T	otal Deduct	ed Quantity	0.000 No			
					Net To	tal Quantity	15.000 No			
				Say 15.0	00 No @ Rs	75.15 / No	Rs 11	27.25		
SI No	Description	No	L	В	D	CF	Quantity	Remark		

	endix B - (8)- Line charg main with aerator at ti		ant using 3	50mm DIK9		providing s				
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	of required ming of bott as required nming, wate	width for p toms, depth , in layers n	ipes, cables up to 1.5 m ot exceeding	s, etc inclu , including g 20 cm in (ding excav getting out t depth, inclu	the excavate ding consoli	ed soil, and datingeach		
	1 80.000 1.100 1.300 0.75 85.801									
	Total Quantity 85.801 cum									
				12-1	otal Deduct	ed Quantity	0.000 cum			
		1	150		Net To	tal Quantity	85.801 cum	1		
		11	S	ay 85.801 c	um @ Rs 5	79.85 / cum	Rs 497	751.71		
2	100.1.5 Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidatingeach deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :" Kerala Water Authority Ordinary Rock. (Ref. Item No. 2.13.1 of DSR)									
		1	80.000	1.100	1.300	0.2	22.881			
					То	tal Quantity	22.881 cur	n		
				Т		ed Quantity				
							22.881 cum			
3	Say 22.881 cum @ Rs 842.10 / cum Rs 19268.09 100.2.2 Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 m2 on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. Medium Rock (blasting prohibited) New Data derived from Item No.2.9.3									
		1	80.000	1.100	1.300	0.05	5.721			
					То	tal Quantity	5.721 cum			
				Т	otal Deduct	ed Quantity	0.000 cum			

					Net To	tal Quantity	5.721 cum				
			S	Say 5.721 cu	m @ Rs 11	06.34 / cum	Rs 63	29.37			
4	50.2.25.1 Filling with contractor's not exceeding 20 cm ir 50 m and lift up to 1.5	n depth, cor	solidating e	each deposi	ted layer by			-			
		1	5.000				5.000				
					То	tal Quantity	5.000 cum				
				Т	otal Deduct	ed Quantity	0.000 cum				
					Net To	tal Quantity	5.000 cum				
			R	Say 5.000 c	um @ Rs 54	48.85 / cum	Rs 27	44.25			
5	100.14.6 Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials : 350 mm dia Ductile Iron Class K-9 Pipes Data derived from 18.72.20 in DAR										
	350mm DIK9 pipes 1 80.000 80.000										
	Total Quantity 80.000 metre										
					otal Deduct	ed Quantity	0.000 metre	Э			
		Kera	ala Wat	er Auth	OriNet To	tal Quantity	80.000 met	re			
			Say	80.000 met	re @ Rs 283	3.70 / metre	Rs 22	696.00			
6	18.70.6 Providing push - on-joir joints and including the		• • • •	,	•	uctile Iron Pi	pes includir	ng testing of			
		16					16.000				
					То	tal Quantity	16.000 joir	nt			
				Т	otal Deduct	ed Quantity	0.000 joint				
					Net To	tal Quantity	16.000 join	t			
			5	Say 16.000 j	oint @ Rs 4	56.93 / joint	Rs 73	10.88			
7	18.30.8 Providing flanged joints diameter pipe	to double f	flanged C.I.	/ D.I pipes a	nd specials	, including to	esting of joir	nts:350 mm			
		2					2.000				
					То	tal Quantity	2.000 Nos				
	Total Deducted Quantity 0.000 Nos										
					Net To	tal Quantity	2.000 Nos				

				Say 2.000 I	Nos @ Rs 8	11.46 / Nos	Rs 16	Rs 1622.92		
8	18.26.2 Providing and laying f suitable for flanged jo	-		•		bends, coll	ars, tapers	, caps etc.,		
	350mm DI 45 degree bend	2				0.65	1.300			
	350mm DI 22.5 degree bend	5				0.58	2.900			
	350mm DI 11.25 degree bend	3				0.57	1.710			
	Total Quantity 5.910 quintal Total Deducted Quantity 0.000 quintal Net Total Quantity 5.910 quintal									
	Say 5.910 quintal @ Rs 9660.34 / quintal Rs 57092.61									
9	18.83.8 Labour for cutting C.I. pipe with steel saw.350 mm diameter C.I pipe									
		8	XC	Sar.	2 all	L.	8.000			
					То	tal Quantity	8.000 Eac	n Cut		
			Var Hard		otal Deduct	ed Quantity	0.000 Each	Cut		
		Kera	ala Wat	er Auth	Net To	tal Quantity	8.000 Each	Cut		
10	100.35.6		Say 8.000	Each Cut @	2 Rs 781.10	/ Each Cut	Rs 62	248.80		
	Testing 350mm DI/CI p	ipeline with	potable wat	er to the req	uired test pr	essure.				
	350 mm dia Observed Data derived	from item n	o 1024 of P							
		1	80.000				80.000			
		-			То	tal Quantity		tre		
				Т	otal Deduct			Э		
							80.000 met			
			Say	y 80.000 me	etre @ Rs 70).53 / metre	Rs 56	42.40		
11	4.1.3 Providing and laying in shuttering - All work up nominal size)	•		•	-	-		-		
	For anchor block at various places of pumping main	25	1.000	1.000	1.200		30.000			

							1	
					То	tal Quantity	30.000 cur	n
				Г	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	30.000 cun	ı
			Sa	ay 30.000 cu	ım @ Rs 83	40.93 / cum	Rs 250	227.90
12	5.22.6 Steel reinforcement f binding all complete					• •	• •	
	30m3@40kg/m3	1	30.000			40.0	1200.000	
					То	tal Quantity	1200.000	kilogram
				Г	otal Deduct	ed Quantity	0.000 kilog	ram
			R	-2	Net To	tal Quantity	1200.000 k	ilogram
			Say 1200.00	00 kilogram	@ Rs 102.6	1 / kilogram	Rs 123	132.00
	Fabricating MS pipes charges of MS plate, deluxe multi surface p fabricated with 8mm t	all fabricatio	on charges, an even sh	charges of	painting the	e steel work	with two o	more coat
	M S pipe 350 mm	1	10.000		S.Co.		10.000	
			ALC: NO.	ta ana	То	tal Quantity	10.000 me	tre
		Kera	ala Wat	er Auth	otal Deduct	ed Quantity	0.000 metro	Э
					Net To	tal Quantity	10.000 met	re
			Say 2	10.000 metre	e @ Rs 914	5.95 / metre	Rs 91	459.50
14	100.37.10.3 Cutting 350 mm (ID) I all labour and hire cha		-		•			-
		5					5.000	
					То	tal Quantity	5.000 No	
				1	Total Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	5.000 No	
				Say 5.00	0 No @ Rs	374.28 / No	Rs 18	571.40
15	100.37.10.4 Welding 350 mm (ID)		-		ther special	s by gas/el		ng machine
	including cost of gas fabricated with 8mm	-	-	abour and h	nire charges	of tools et	c. complete	: For pipes
		-	-	abour and h	ire charges	of tools et	c. complete 5.000	: For pipes

				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	5.000 No	
				Say 5.000	No @ Rs 1	432.07 / No	Rs 71	60.35
16	100.37.10.5 Grinding cut and weld hire charges of tools e	-	. ,		-		-	labour and
		5					5.000	
					То	tal Quantity	5.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	5.000 No	
			R	Say 5.00	0 No @ Rs	268.48 / No	Rs 13	42.40
17	100.37.6.1 Fabricating MS pipes charges of MS plate, a deluxe multi surface pa fabricated with 8mm th	all fabrication aint to give	on charges, an even sha	charges of	painting the	e steel work	with two or	more coat
	150mm MS pipe	2	LC.	Ser.		2	2.000	
					То	tal Quantity	2.000 metr	е
			ALC:			ed Quantity	0.000 metre	Э
		Kera	ala Wat	er Auth	Net To	tal Quantity	2.000 metre	Э
		D	Say	2.000 metre	e @ Rs 5174	4.62 / metre	Rs 10	349.24
18	100.37.6.3 Cutting 150mm (ID)MS labour and hire charges		-				-	-
		3					3.000	
					То	tal Quantity	3.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	3.000 No	
				Say 3.00	0 No @ Rs	169.77 / No	Rs 5	09.31
19	100.37.6.4 Welding 150mm (ID) M including cost of gas a fabricated with 8mm th	and welding	g rods ,all la		•			-
		3					3.000	
					То	tal Quantity	3.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	

					Net To	tal Quantity	3.000 No	
				Say 3.00	0 No @ Rs	649.48 / No	Rs 19	48.44
20	100.37.6.5 Grinding cut and weld e charges of tools etc. co	-	. ,	•••	-		iding all labo	our and hire
		3					3.000	
					То	tal Quantity	3.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	3.000 No	
				Say 3.00	0 No @ Rs	121.79 / No	Rs 3	65.37
21	100.98.120 Supply of DI K9 Pipe C	onforming to	o IS 8329/20)00, 350mm	Dia.			
	350mm DIK9 pipes	1	80.000		1		80.000	
		6. 9	X Z	S_{X}	То	tal Quantity	80.000 me	tre
		1A	1512	SACT.	otal Deduct	ed Quantity	0.000 metre	e
		132	La Ca		Net To	tal Quantity	80.000 met	re
			Say 8	0.000 metre	e @ Rs 5506	6.95 / metre	Rs 440	556.00
22	od83893/2020_2021 Providing 350mm surge manual means in four including dressing of si soil and disposal of sur per DSR Observed dat	ndation tren des and ran rplus excava	ches or dra nming of bo	ains (not ex ottoms, lift up	cceeding 1. o to 1.5 m, i	5 m in widt ncluding ge	h or 10 sqr tting out the	n on plan), excavated
		1	4.000	2.500	1.500		15.000	
					То	tal Quantity	15.000 cur	n
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	15.000 cum	1
			S	ay 15.000 c	um @ Rs 42	25.54 / cum	Rs 63	83.10
23	od83894/2020_2021 Providing 350mm surge clear water pumping m cutting the existing DI p arrestor.(Rate as per D	ain including vipe, insertin	g cost of sp g surge arre	ecials such	as 2 Nos. T	ail piece, 2	Nos. Mecha	nical joints,
		1					1.000	
					То	tal Quantity	1.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	

					Net To	otal Quantity	1.000 No	
			S	Say 1.000 N	o @ Rs 600	000.00 / No	Rs 600	000.00
24	od83895/2020_2021 Providing 350mm surg block including charges				-	•		
		1	4.000	2.500	0.500		5.000	
					Тс	otal Quantity	5.000 cum	
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	otal Quantity	5.000 cum	
			S	Say 5.000 cu	ım @ Rs 89	41.83 / cum	Rs 44	709.15
25	od83896/2020_2021 Providing 350mm surg Kg/cm2 with flanged e 200mm D/F CI sluice v by the departmental off	ends includi alve - 1 No.	ing all cost etc and all	of material labour chai	ls such as rges for fittii	200mm air	cushion val	ve - 1 No.,
		1	DN	22		<u> </u>	1.000	
		191	KQ.	LOY.	Тс	otal Quantity	1.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
		Von	la Wat	an Anth	Net To	otal Quantity	1.000 No	
		Kera		Say 1.000 N	o @ Rs 409	500.00 / No	Rs 409	500.00
26	od83897/2020_2021 Providing 350mm surg providing the zero veloc directed by the departm	city valve in	cluding all c	cost of mater	rials, labour	charge, form		
		1		·		,	1.000	
					Tc	otal Quantity		<u> </u>
				Т		ted Quantity		
					Net To	otal Quantity	1.000 No	
				Say 1.000 N	No @ Rs 63	841.40 / No	Rs 63	841.40
SI No	Description	No	L	В	D	CF	Quantity	Remark
	32Appendix B- (9) -	Road resto	oration wor	rks-(a) PWD	road (0	Cost Index:4	41.53 %)	
1	od178589/2018_2019 Removal of unservicea excluding replacement specification code- 3.1	t by suitabl I1)	e soil whic	h shall be p	baid separa	ately (PWD	sanctioned	price rate-
	Berm cutting (Actu	al cutting wi	dth for trend	ch 0.5 mtr, F	Restoration	width 1.5 tim	es of trench	width)

			1		1	1		
	Alady WTP junction to Marykulam	1	900.000	0.750	0.250		168.750	
	Marykulam to Velliyamkandam junction	1	2000.000	0.750	0.250		375.000	
	Velliyamkandam junction to Kalthotty	1	950.000	0.750	0.250		178.125	
	Kalthotty to Nariyanpara junction	1	2800.000	0.750	0.250		525.000	
					Тс	otal Quantity	1246.875 c	um
				1	Fotal Deduct	ed Quantity	0.000 cum	
			Can	2	Net To	otal Quantity	1246.875 c	um
			Sa	y 1246.875	cum @ Rs	47.61 / cum	Rs 593	363.72
2	od178591/2018_2019 Maintenance of Earthe shoulder to the desig equipment.(PWD sand	n level by	/ adding fre	sh approv	ed soil and		•	
	Berm cutting (Actua	al cutting w	vidth for trenc	h 0.5 mtr, F	Restoration v	width 1.5 tim	es of trench	width)
	Alady WTP junction to Marykulam	1	900.000	0.750	• .		675.000	
	Marykulam to Velliyamkandam junction	Ker	ala Wat 2000.000	o.750		Ŧ	1500.000	
	Velliyamkandam junction to Kalthotty	1	950.000	0.750			712.500	
	Kalthotty to Nariyanpara junction	1	2800.000	0.750			2100.000	
					Тс	otal Quantity	4987.500 s	qm
				1	Fotal Deduct	ed Quantity	0.000 sqm	
					Net To	otal Quantity	4987.500 s	գտ
			Sa	y 4987.500	sqm @ Rs	41.25 / sqm	Rs 205	734.38
3	od178592/2018_2019 Construction of granula grader on prepared surf vibratory roller to achie base - Mix in Place Me	ace, mixir ve the des	ng by mix in p sired density,	blace metho complete	od with rotav as per claus	vator at OM se 401. Grad	C, and comp	acting with
	Tar road cutting (Act	ual cutting	width for trer	nch 0.5 mtr,	Restoration	n width 1.5 ti	mes of trenc	h width)

					1		1]
	Alady WTP junction to Marykulam	1	400.000	0.750	0.150		45.000	
	Marykulam to Velliyamkandam junction	1	400.000	0.750	0.150		45.000	
	Velliyamkandam junction to Kalthotty	1	600.000	0.750	0.150		67.500	
	Kalthotty to Nariyanpara junction	1	600.000	0.750	0.150		67.500	
					То	tal Quantity	225.000 ci	ım
				7	Fotal Deduct	ed Quantity	0.000 cum	
			(Can	2	Net To	tal Quantity	225.000 cu	m
			Say	225.000 cu	um @ Rs 31	78.82 / cum	Rs 715	234.50
	including premixing the tipper to site, laying in u compacting with vibrato 4.12)	iniform lay	ers with pave	er in sub- ba	ase / base co	ourse on we	Il prepared	surface and
	Tar road cutting (Act	ual cutting	width for tren	nch 0.5 mtr,	Restoration	width 1.5 ti	mes of trend	ch width)
	Alady WTP junction to Marykulam	Ker 1	ala Wat	er Auth 0.750	0.100		30.000	
	Marykulam to Velliyamkandam junction	1	400.000	0.750	0.100		30.000	
	Velliyamkandam junction to Kalthotty	1	600.000	0.750	0.100		45.000	
	Kalthotty to Nariyanpara junction	1	600.000	0.750	0.100		45.000	
					То	tal Quantity	150.000 cu	ım
				٦	Fotal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	150.000 cu	m
			Say	150.000 cu	um @ Rs 334	44.36 / cum	Rs 501	654.00
5	od178594/2018_2019 Prime Coat- Providing a Base including clearing means.(PWD sanctione	of road s	urface and s	praying prir				-
	Tar road cutting (Act	ual cutting	width for trer	nch 0.5 mtr,	Restoration	width 1.5 ti	mes of trend	ch width)

Alady WTP junction to Marykulam 1 400.000 0.750 300.000 Mary kulam to Velliyamkandam 1 400.000 0.750 300.000 Velliyamkandam 1 600.000 0.750 450.000 Kalthotty 1 600.000 0.750 8.100 Supplying and stacking 12mm hard blue granite broken stone in standard heaps for measurement 3.2.1.a) PWD sanctioned rate-specification code- 55.2 8.100 Mary kulam 1 400.000 0.750 0.027 8.100 Mary kulam 1 400.000 0.750 0.027 8.100 Velliyamkandam 1 600.000 0.750 0.027 12.150 Kalthotty 1 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>									
Velliyamkandam 1 400.000 0.750 300.000 Velliyamkandam 1 600.000 0.750 450.000 Kalthotty 1 600.000 0.750 450.000 sqm Vellyamkandam Say 1500.000 sqm @ Rs 54.39 / sqm Rs 81585.00 6 od178595/2018_2019 Supplying and stacking 12mm hard blue granite broken stone in standard heaps for measurement 3.2.1.a)- PWD sanctioned rate-specification code-55.2 Tar road cutting (Actual cutting width for trench 0.5 mtr, Restoration width 1.5 times of trench width Marykulam Velliyamkandam 1 400.000 0.750 0.027 8.100 Velliyamkandam 1 600.000 0.750 0.027<			1	400.000	0.750			300.000	
junction to Kalthotty 1 600.000 0.750 450.000 K a 1 th o tt y to Nariyanpara junction 1 600.000 0.750 450.000 K a 1 th o tt y to Nariyanpara junction 1 600.000 0.750 450.000 Total Quantity 1500.000 sqm Total Deducted Quantity 0.000 sqm Supplying and stacking 12mm hard blue granite broken stone in standard heaps for measurement 3.2.1.a) - PWD sanctioned rate-specification code- 55.2 Tar road cutting (Actual cutting width for trench 0.5 mtr, Restoration width 1.5 times of trench width Alady WTP junction to Marykulam M a r y k u l a m to Velliy a m k and a m junction 1 600.000 0.750 0.027 8.100 K a 1 th o tt y to Nariyanpara junction 1 600.000 0.750 0.027 12.150 K a 1 th o tt y to Nariyanpara junction 1 600.000 0.750 0.027 12.150 Total Quantity 40.500 cum Total Qu		Velliyamkandam	1	400.000	0.750			300.000	
Nariyanpara junction 1 600.000 0.750 450.000 Total Quantity 1500.000 sqm Total Deducted Quantity 0.000 sqm Net Total Quantity 1500.000 sqm Say 1500.000 sqm @ Rs 54.39 / sqm Rs 81585.00 6 od178595/2018_2019 Supplying and stacking 12mm hard blue granite broken stone in standard heaps for measurement 3.2.1.a)- PWD sanctioned rate-specification code- 55.2 Tar road cutting (Actual cutting width for trench 0.5 mtr, Restoration width 1.5 times of trench width Alady WTP junction to 1 Alady WTP junction to 1 400.000 0.750 0.027 8.100 Marykulam 1 600.000 0.750 0.027 8.100 Velliy am kan d am junction 1 600.000 0.750 0.027 12.150 K al th o tt y to Nariyanpara junction 1 600.000 0.750 0.027 12.150 K al th o tt y to Nariyanpara junction 1 600.000 0.750 0.027 12.150 Velliy a m kan d am junction 1 600.000 0.750 0.027 12.150 Kal th o tt y to Nariyanpara junction 1 600.000 0.750 0.027 12.150			1	600.000	0.750			450.000	
Total Deducted Quantity 0.000 sqm Net Total Quantity 0.000 sqm Net Total Quantity 1500.000 sqm Say 1500.000 sqm @ Rs 54.39 / sqm Rs 81585.00 od178595/2018_2019 Supplying and stacking 12mm hard blue granite broken stone in standard heaps for measurement 3.2.1.a)- PWD sanctioned rate-specification code- 55.2 Tar road cutting (Actual cutting width for trench 0.5 mtr, Restoration width 1.5 times of trench width Alady WTP junction to 1 400.000 0.750 0.027 8.100 Marykulam 1 400.000 0.750 0.027 8.100 Velliy am k and am 1 600.000 0.750 0.027 12.150 K a 1 th o t ty to 1 600.000 0.750 0.027 12.150 K a 1 th o t ty to 1 600.000 0.750 0.027 12.150 K a 1 th o t ty to 1 600.000 0.750 0.027 12.150 K a 1 th o t ty to 1 600.000 0.750 0.027 12.150 K a 1 th o t ty to 1 600.000		-	1	600.000	0.750			450.000	
Net Total Quantity 1500.000 sqm Say 1500.000 sqm @ Rs 54.39 / sqm Rs 81585.00 6 od178595/2018_2019 Supplying and stacking 12mm hard blue granite broken stone in standard heaps for measurement 3.2.1.a)- PWD sanctioned rate-specification code- 55.2 Tar road cutting (Actual cutting width for trench 0.5 mtr, Restoration width 1.5 times of trench width Alady WTP junction to Alady WTP junction to 1 400.000 0.750 0.027 8.100 Marykulam 1 400.000 0.750 0.027 8.100 Velliy am k a n d am junction 1 600.000 0.750 0.027 12.150 K a l th o tt y to Nariyanpara junction 1 600.000 0.750 0.027 12.150 K a l th o tt y to Nariyanpara junction 1 600.000 0.750 0.027 12.150 Total Deducted Quantity 0.000 cum Total Quantity 40.500 cum 40.500 cum Say 40.500 cum @ Rs 2631.07 / cum Rs 106558.32 7 od178596/2018_2019 Supplying and stacking 6mm hard blue granite broken stone in standard heaps for measurement						То	tal Quantity	1500.000 :	sqm
Say 1500.000 sqm @ Rs 54.39 / sqm Rs 81585.00 6 od178595/2018_2019 Supplying and stacking 12mm hard blue granite broken stone in standard heaps for measurement 3.2.1.a)- PWD sanctioned rate-specification code- 55.2 Tar road cutting (Actual cutting width for trench 0.5 mtr, Restoration width 1.5 times of trench width Alady WTP junction to 1 400.000 0.750 0.027 8.100 M ar y k u l a m to Ker alay are Autority 8.100 0.750 0.027 8.100 Velliy am k an d a m 1 600.000 0.750 0.027 8.100 Velliy am k an d a m 1 600.000 0.750 0.027 12.150 K a l t h o t t y to 1 600.000 0.750 0.027 12.150 K a l t h o t t y to 1 600.000 0.750 0.027 12.150 Total Quantity 40.500 cum Total Quantity 40.500 cum Say 40.500 cum @ Rs 2631.07 / cum Rs 106558.34 7 od178596/2018_2019 Supplying and stacking 6mm hard blue granite broken stone in standard heaps for measurement					٦	Fotal Deduct	ed Quantity	0.000 sqm	
6 od178595/2018_2019 Supplying and stacking 12mm hard blue granite broken stone in standard heaps for measurement 3.2.1.a)- PWD sanctioned rate-specification code- 55.2 Tar road cutting (Actual cutting width for trench 0.5 mtr, Restoration width 1.5 times of trench width Alady WTP junction to 1 400.000 0.750 0.027 Marykulam Marykulam Marykulam Velliy a m k an d a m 1 400.000 0.750 0.027 junction Velliy a m k an d a m 1 600.000 0.750 0.027 Velliy a m k an d a m 1 600.000 0.750 0.027 Velliy a m k an d a m 1 600.000 0.750 0.027 Velliy a m k an d a m 1 600.000 0.750 0.027 Velliy a m k an d a m 1 600.000 0.750 0.027 Velliy a m k an d a m 1 600.000 0.750 0.027 Velliy a m k an d a m 1 600.000 0.750 0.027 Velliy a m k an d a m 1 600.000 0.750 0.027 Velliy a m k a n d a m 1 600.000 0.750 0.027 Velliy a m k a n d a m 1 600.000 0.750 0.027 Velliy a m k a n d a m 1 600.000 0.750 0.027 Ka I th o tt y to 1 600.000 0.750 0.027 Nariyanpara junction Velliy a m ka n d a m 1 600.000 0.750 0.027 Velliy a m k a n d a m 1 600.000 0.750 0.027 Ka I th o tt y to 1 600.000 0.750 0.027 Velliy a m ka n d a m 1 600.000 0.750 0.027 Velliy a m ka n d a m 1 600.00				(Ga	22	Net To	tal Quantity	1500.000 s	qm
Supplying and stacking 12mm hard blue granite broken stone in standard heaps for measurement 3.2.1.a)- PWD sanctioned rate-specification code- 55.2 Tar road cutting (Actual cutting width for trench 0.5 mtr, Restoration width 1.5 times of trench width Alady WTP junction to 1 400.000 0.750 0.027 8.100 Marykulam 1 400.000 0.750 0.027 8.100 Marykulam 1 400.000 0.750 0.027 8.100 Velliy am k an d am junction 1 600.000 0.750 0.027 12.150 K a l t h o t t y t o Nariyanpara junction 1 600.000 0.750 0.027 12.150 K a l t h o t t y t o Nariyanpara junction 1 600.000 0.750 0.027 12.150 Total Deducted Quantity 0.000 cum 7000 cum Supplying and stacking 6mm hard blue granite broken stone in standard heaps for measurement Rs 106558.34				Sa	y 1500.000	sqm @ Rs	54.39 / sqm	Rs 81	585.00
Alady WTP junction to Marykulam 1 400.000 0.750 0.027 8.100 Marykulam 1 400.000 0.750 0.027 8.100 Marykulam 1 400.000 0.750 0.027 8.100 Velliyamkandam 1 400.000 0.750 0.027 8.100 Velliyamkandam 1 600.000 0.750 0.027 12.150 Kalthotty 1 0.000 cum To	6	Supplying and stacking				stone in star	ndard heaps	s for measu	rement(IRC
Marykulam 1 400.000 0.750 0.027 8.100 Marykulam Marykulam to Velliyamkandam Kerala Water Auth 400.000 ortv 0.027 8.100 Velliyamkandam 1 400.000 0.750 0.027 8.100 Velliyamkandam 1 600.000 0.750 0.027 12.150 Kalthotty Kalthotty Kalthotty		Tar road cutting (Act	tual cutting	width for trer	nch 0.5 mtr,	Restoration	width 1.5 ti	mes of trend	ch width)
Velliyamkandam 1 400.000 0.750 0.027 8.100 junction Velliyamkandam 1 600.000 0.750 0.027 12.150 Kalthotty Kalthotty Kalthotty			1	400.000	0.750	0.027		8.100	
junction to Kalthotty 1 600.000 0.750 0.027 12.150 K a I t h o t t y t o Nariyanpara junction 1 600.000 0.750 0.027 12.150 Total Quantity 40.500 cum Net Total Quantity 0.000 cum Say 40.500 cum @ Rs 2631.07 / cum 7 od178596/2018_2019 Supplying and stacking 6mm hard blue granite broken stone in standard heaps for measurement		Velliyamkandam	Kera	ala Wat 400.000	er Auth 0.750	ority 0.027		8.100	
Nariyanpara junction 1 600.000 0.750 0.027 12.150 Total Quantity 40.500 cum Total Deducted Quantity 0.000 cum Net Total Quantity 0.000 cum Say 40.500 cum @ Rs 2631.07 / cum Rs 106558.34 0d178596/2018_2019 Supplying and stacking 6mm hard blue granite broken stone in standard heaps for measurement			1	600.000	0.750	0.027		12.150	
Total Deducted Quantity 0.000 cum Net Total Quantity 40.500 cum Say 40.500 cum @ Rs 2631.07 / cum Rs 106558.34 7 od178596/2018_2019 Supplying and stacking 6mm hard blue granite broken stone in standard heaps for measurement		-	1	600.000	0.750	0.027		12.150	
Net Total Quantity 40.500 cum Say 40.500 cum @ Rs 2631.07 / cum Rs 106558.34 7 od178596/2018_2019 Supplying and stacking 6mm hard blue granite broken stone in standard heaps for measurement						То	tal Quantity	40.500 cur	n
Say 40.500 cum @ Rs 2631.07 / cum Rs 106558.34 7 od178596/2018_2019 Supplying and stacking 6mm hard blue granite broken stone in standard heaps for measurement					٦	Fotal Deduct	ed Quantity	0.000 cum	
7 od178596/2018_2019 Supplying and stacking 6mm hard blue granite broken stone in standard heaps for measurement						Net To	tal Quantity	40.500 cun	า
Supplying and stacking 6mm hard blue granite broken stone in standard heaps for measurement				Sa	y 40.500 cu	um @ Rs 26	31.07 / cum	Rs 106	558.34
	7	Supplying and stacking	-	-		tone in stan	idard heaps	for measu	rement(IRC
Tar road cutting (Actual cutting width for trench 0.5 mtr, Restoration width 1.5 times of trench width		Tar road cutting (Act	tual cutting	width for trer	nch 0.5 mtr,	Restoration	width 1.5 ti	mes of trend	ch width)
Alady WTP junction to Marykulam 1 400.000 0.750 0.009 2.700			1	400.000	0.750	0.009		2.700	

	Marykulam to Velliyamkandam junction	1	400.000	0.750	0.009		2.700	
	Velliyamkandam junction to Kalthotty	1	600.000	0.750	0.009		4.050	
	Kalthotty to Nariyanpara junction	1	600.000	0.750	0.009		4.050	
					Tota	l Quantity	13.500 cun	า
				-	Total Deducted	d Quantity	0.000 cum	
					Net Tota	l Quantity	13.500 cum	
			Sa	y 13.500 ci	um @ Rs 2631	.07 / cum	Rs 355	519.45
8	od178597/2018_2019 Supplying and stackin sanctioned rate- spec	-		oken stone	e in standard	heaps fo	r measuren	nent.(PWI
	Tar road cutting (Act	ual cutting	g width for trer	nch 0.5 mtr	, Restoration w	vidth 1.5 ti	mes of trenc	h width)
	Alady WTP junction to Marykulam	1	400.000	0.750	0.100	5	30.000	
	Marykulam to Velliyamkandam junction	1	400.000	0.750	0.100		30.000	
	Velliyamkandam junction to Kalthotty		cala Wat 600.000	er Auth 0.750	0.100		45.000	
	Kalthotty to Nariyanpara junction	1	600.000	0.750	0.100	1	45.000	
					Tota	l Quantity	150.000 cu	m
				-	Total Deducted	d Quantity	0.000 cum	
					Net Tota	l Quantity	150.000 cu	m
			Say	150.000 cu	um @ Rs 2537	7.36 / cum	Rs 380	604.00
9	od178598/2018_2019 Providing, laying and ro departmental aggregate to required line, grade a kg of bitumen (VG 30) static roller of 80-100 k cum of 6 mm departme PWD sanctioned rate-s	es premixe and level o 10 sqm in XN capacit ntal aggre	ed with 12.96 for a previous cluding mixin my, finished to egates premix	kg of bitum ly prepared g in a suita required le ed with 8.6	en per 10 sqm I base, after p able plant, layi evel and grade	using per riming the ng and ro s,followed	netration gra existing sur lling with a t by a seal c	de bitumer face with t hree whee oat of 0.09
	Tar road cutting (Act				, Restoration w	vidth 1.5 ti	mes of trenc	h width)
			,		,			

	Alady WTP junction to	1	400.000	0.750			300.000	
	Marykulam Marykulam to Velliyamkandam junction	1	400.000	0.750			300.000	
	Velliyamkandam junction to Kalthotty	1	600.000	0.750			450.000	
	Kalthotty to Nariyanpara junction	1	600.000	0.750			450.000	
					Тс	otal Quantity	1500.000 ຮ	qm
				1	Fotal Deduct	ed Quantity	0.000 sqm	
			(Ga	2	Net To	otal Quantity	1500.000 s	qm
			Say	1500.000 s	sqm @ Rs 1	92.02 / sqm	Rs 288	030.00
	Plain cement concrete mechanically mixed, pla sanctioned rate- specifi	aced in fou cation code	ndation and c e- 12.4)	compacted	by vibration	including cu	iring for 14 c	lays.(PWI
	Concrete road cutting (Actual cutti	ing width for t	trench 0.5 r	ntr, Restora	tion width 1.	5 times of tre	ench width
	Alady WTP junction to Marykulam	1	200.000	0.750	0.150		22.500	
	Marykulam to Velliyamkandam junction	Ker	ala Wat 500.000	er Autr 0.750	0.150	Ŧ	56.250	
	Velliyamkandam junction to Kalthotty	1	450.000	0.750	0.150		50.625	
	Kalthotty to Nariyanpara junction	1	600.000	0.750	0.150		67.500	
					Тс	tal Quantity	196.875 cu	ım
				٦	Fotal Deduct	ed Quantity	0.000 cum	
					Net To	otal Quantity	196.875 cu	m
			Say	196.875 cu	um @ Rs 70	32.06 / cum	Rs 1384	4436.81
11	od178600/2018_2019 CPlain/Reinforced Cer Specifications PCC		-			•	-	
	Concrete road cutting (Actual cutt	ing width for t	trench 0.5 r	ntr, Restora	tion width 1.	5 times of tre	ench width
	Alady WTP junction to	1	200.000	0.750	0.075		11.250	

	Marykulam to Velliyamkandam junction Velliyamkandam junction to Kalthotty Kalthotty to Nariyanpara junction	1	500.000 450.000 600.000	0.750 0.750 0.750		tal Quantity ed Quantity		n
						tal Quantity		033.34
SI No	Description	No	L	в		23.47 / cum _{CF}	Quantity	Remark
33Appen	dix B - (9) - Road resto	ration work	200	ge/ Pancha	yat/ PMGSY	′ roads	(Cost Index	:41.53 %)
1	od178592/2018_2019 Construction of granula grader on prepared sur vibratory roller to achie base - Mix in Place Me	face, mixing	g by mix in ired density	place metho , complete a	od with rotav as per claus	vator at OM0 se 401. Grad	C, and comp	acting with
	Tar road cut	ting- Actual	cutting widt	h50 m, R	estoration w	idth 1.5 time	es i,e 0.75 m	1
	Kalthotty Junction to School	Kera	1300.000 t	er ^{0,750} th	019.150		33.750	
	Nariyanpara School junction to sump	D 1	525.000	0.750	0.150	•	59.063	
	Nariyanpara sump to school junction	1	550.000	0.750	0.150		61.875	
					То	tal Quantity	154.688 cu	ım
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	154.688 cu	m
			Say	[,] 154.688 cu	ım @ Rs 31	78.82 / cum	Rs 491	725.31
2	od178593/2018_2019 Providing, laying, sprea including premixing the tipper to site, laying in u compacting with vibrato 4.12)	Material wi	th water at 0 ers with pave	OMC in mec or in sub- ba	chanical mix use / base co	plant carriag	ge of mixed Il prepared s	Material by surface and
	Tar road cut	ting- Actual	cutting widt	h50 m, R	estoration w	idth 1.5 time	es i,e 0.75 m	
	Kalthotty Junction to School	1	300.000	0.750	0.100		22.500	

			-			31.07 / cum	Rs 732				
		y 27.845 cum									
				1	Total Deduct	ed Quantity	0.000 cum				
					То	tal Quantity	27.845 cun	า			
	Nariyanpara sump to school junction	1	550.000	0.750	0.027		11.138				
	Nariyanpara School junction to sump	1	525.000	0.750	0.027		10.632				
	Kalthotty Junction to School	1	300.000	0.750	0.027		6.075				
	Tar road cutt	ing- Actua	I cutting width	n50 m, R	estoration w	idth 1.5 time	es i,e 0.75 m				
4	od178595/2018_2019 Supplying and stacking 12mm hard blue granite broken stone in standard heaps for measurement(IR 3.2.1.a)- PWD sanctioned rate-specification code- 55.2										
			Sa	y 1031.250	sqm @ Rs	54.39 / sqm	Rs 560	89.69			
			K		Net To	tal Quantity	1031.250 so	qm			
					Total Deduct	ed Quantity	0.000 sqm				
		Ker	ala Wat	er Auth	To	tal Quantity	1031.250 s	qm			
	Nariyanpara sump to school junction	1	550.000	0.750			412.500				
	Nariyanpara School junction to sump	1	525.000	0.750			393.750				
	Kalthotty Junction to School	1	300.000	0.750	11		225.000				
	Tar road cutt	ing- Actua	I cutting width	n50 m, R	estoration w	idth 1.5 time	es i,e 0.75 m				
	Prime Coat- Providing and applying primer coat with bitumen emulsion on prepared surface of granu Base including clearing of road surface and spraying primer at the rate of 0.7kg/sqm using mechanic means.(PWD sanctioned rate- specification code-5.1) Tar road cutting- Actual cutting width50 m, Restoration width 1.5 times i,e 0.75 m										
3	od178594/2018_2019		Say	103.125 00	ım @ Rs 33	44.30 / Culli	NS 344	007.13			
			Sou	102 125 0			103.125 cur Rs 344				
				T	Total Deduct	,					
					То	tal Quantity	103.125 cu	m			
	Nariyanpara sump to school junction	1	550.000	0.750	0.100		41.250				
	Nariyanpara School junction to sump	1	525.000	0.750	0.100		39.375				

5	od178596/2018_2019 Supplying and stacking 3.2.1.a)- PWD sanction		-		stone in stand	dard heaps	for measure	ement(IRC
	Tar road cut	ting- Actua	I cutting width	n50 m, R	estoration wi	dth 1.5 time	es i,e 0.75 m	
	Kalthotty Junction to School	1	300.000	0.750	0.009		2.025	
	Nariyanpara School junction to sump	1	525.000	0.750	0.009		3.544	
	Nariyanpara sump to school junction	1	550.000	0.750	0.009		3.713	
					Tot	al Quantity	9.282 cum	
			Con	2	Total Deducte	ed Quantity	0.000 cum	
			20	12.	Net Tot	al Quantity	9.282 cum	
			S	ay 9.282 cu	um @ Rs 263	31.07 / cum	Rs 244	21.59
	Tar road cut	ting- Actua	I cutting width	n50 m, R	estoration wi	dth 1.5 time	es i.e 0.75 m	
	Kalthotty Junction to School Nariyanpara School	1 Ker	300.000 ala Wat 525.000	0.750 er Auth 0.750	0.090 ority 0.090		20.250	
	School		ala Wat	er Auth	0.090 lority		20.250	
	School Nariyanpara School junction to sump Nariyanpara sump to	Ker	ala Wat 525.000	er Auth 0.750	0.090 0111y 0.090 0.090	al Quantity	20.250 35.438 37.125	
	School Nariyanpara School junction to sump Nariyanpara sump to	Ker	ala Wat 525.000	er Auth 0.750 0.750	0.090 0111y 0.090 0.090	al Quantity	20.250 35.438 37.125 92.813 cum	
	School Nariyanpara School junction to sump Nariyanpara sump to	Ker	ala Wat 525.000	er Auth 0.750 0.750	0.090 ority 0.090 0.090 Tot	al Quantity	20.250 35.438 37.125 92.813 cum	1
	School Nariyanpara School junction to sump Nariyanpara sump to	Ker	ala Wat 525.000 550.000	er Auth 0.750 0.750	0.090 ority 0.090 0.090 Tot	al Quantity ed Quantity al Quantity	20.250 35.438 37.125 92.813 cum 0.000 cum	1
7	School Nariyanpara School junction to sump Nariyanpara sump to	bling of op es premixe and level of N capacity ntal aggre	standard vation (1997)	er Auth 0.750 0.750 y 92.813 cu remix carpe kg of bitum ly prepared g in a suita required le ed with 8.6	0.090 0.090 0.090 Tot Total Deducte Net Tot um @ Rs 253 et of 20 mm t en per 10 sqr base, after able plant, lay evel and grad	al Quantity ed Quantity al Quantity al Quantity al Quantity ar Quantity and Quantity and rol priming the ying and rol les,followed	20.250 35.438 37.125 92.813 cum 0.000 cum 92.813 cum 92.813 cum retration grad existing surf ling with a th by a seal cum	n 499.99 1 of 12 mi de bitume face with nree wheo oat of 0.0

				1						
	Kalthotty Junction to School	1	300.000	0.750			225.000			
	Nariyanpara School junction to sump	1	525.000	0.750			393.750			
	Nariyanpara sump to school junction	1	550.000	0.750			412.500			
	Total Quantity 1031.250									
	Total Deducted Quantity 0.000 sqm Net Total Quantity 1031.250									
								1031.250 sqm		
		Rs 198020.63								
8	4.1.3 Providing and laying in position cement concrete of specified grade excluding the cost of centering an shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand : 4 graded stone aggregate 20 mr nominal size)									
	CC 1:2:4 for concreting trenched portion of concrete road surface									
	For concreting trenched portion of concrete road surface	1	750.000	0.600	0.150	L	67.500			
		1	A Calence	in a se	То	tal Quantity	67.500 cur	n		
			ity 0.000 cum							
		67.500 cum								
	Say 67.500 cum @ Rs 8340.93 / cum Rs 563012									
SI No	Description	No		В	D	CF	Quantity	Remark		
34Appe	34Appendix B - (8)- Line charging, stabilization& interconnection - (k)- Providing Flow Meters (Cost Index:41.53 %)									
1	od90786/2020_2021 Supplying and fixing 200mm Dia Mechanical Flow meter of Woltman type conforming to ISO 4064 Class B of ARAD/ ZENNER/ REYCHEM RPG/ ITRON make and the flow meter shall be tested and certified by FCRI- Palakkad.									
	Supply, erection and commissioning of Flow meters									
	At TP sump	1					1.000			
	At Kochuthovala GLSR	1					1.000			
	At Nariyanpara Bottom GLSR	1					1.000			
		3.000 No								
		0.000 No								

		3.000 No							
		Rs 117420.87							
2	od90787/2020_2021 Supplying and fixing 250mm Dia Mechanical Flow meter of Woltman type conforming to ISO 4064 Class B of ARAD/ ZENNER/ REYCHEM RPG/ ITRON make and the flow meter shall be tested and certified by FCRI- Palakkad.								
	Supply, erection and commissioning of flow meters								
	At Labbakkada GLSR	1			1.000				
	At Meppera GLSR	1			1.000				
			Total Quantity	2.000 No					
		Total Deducted Quantity	/ 0.000 No						
		Net Total Quantity	y 2.000 No						
		-	Say 2.000) No @ Rs 81012.36 / No	Rs 162024.72				
	od93515/2020_2021 Supplying and fixing 300mm Dia Electromagnetic Flow meter conforming to protection level of IP-68 for flow sensor and IP-67 foe transmitter and having an accuracy level of 0.5 % with (LED/LCD) display unit,UPS and battery. This flow meter should have the housing(flow sensor) to be made of SS304/ carbor steel with anti corrosive protection and inside liner to be made of hard rubber or neoprene all conforming to drinking water standards. The flow meter should be coupled Hart for data acquisition and transfer ,with provision for wireless transfer through GSM. The manufactures Should have the calibration standard. As per ISO 17.0.25 and the product shall have sufficient warranty provisions.								
	At Mulakaramedu GLSR	D 1	RI (Total Quantity	1.000				
		0.000 No							
		1.000 No							
		Rs 198254.17							
	121218018.94 0.0%								
	0.0%								
	18.0%								
	21819243.41								
	143037262.35 62737.65								
	Lumpsum for round off	143100000.00							
					Total Rs 14,31,00,000				

Rupees Fourteen Crore Thirty One Lakh Only



Kerala Water Authority PRICE