DETAILED ESTIMATE

<u>Jal Jeevan Mission (JJM)-WSS - to Santhanpara, Rajakumary (Part) and Senapathy (Part)</u>

<u>Panchayaths in Idukki District-Package IIIA-Supplying and Laying Distribution and providing</u>

<u>FHTC in Rajakumary GP-Pipeline Work</u>

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
1	Supplying, Laying	and com	missioning o	f Distributio	on- Cost of mate	erials	
1.001	100.98.119						
	Supply of DI K9 P	ipe Confo	orming to IS 8	3329/2000, 3	300mm Dia.		
	300 mm DI I	ζ9					
		1	1504.000				1504.000
	Spare pipe	1	38.000				38.000
	Reduction for MS pipe	-1	20.000				-20.000
	Total		410	KODA			1522.000
			732	Tot	al Quantity in	metre	1522.000
1.002	100.98.118			J			
	Supply of DI K9 P	ipe Confo	orming to IS 8	8 <mark>32</mark> 9/2000, 2	250mm Dia.		
	250 mm DI	K9	OF PUBLIC V	VI FOR THE IV VORKS	IANAGEMENT		
		1	2519.000				2519.000
	Spare pipe	1	63.000				63.000
	Reduction for MS pipe	-1	25.000				-25.000
	Total						2557.000
				Tot	al Quantity in	metre	2557.000
1.003	100.98.117						
	Supply of DI K9 P	ipe Confo	orming to IS 8	3329/2000, 2	200mm Dia.		
	200 mm DI	K9					
		1	3293.000				3293.000
	Spare pipe	1	83.000				83.000
	Reduction for MS pipe	-1	33.000				-33.000
	Total						3343.000
				Tot	al Quantity in	metre	3343.000
1.004	100.98.116						
	Supply of DI K9 P	ipe Confo	orming to IS 8	3329/2000,	150mm Dia.		
	150 mm DI K	9				,	
		1	1474.000				1474.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Spare pipe	1	37.000				37.000
	Deduction for MS pipe	-1	15.000				-15.000
	Total						1496.000
				Tot	al Quantity	in metre	1496.000
1.005	100.98.134						
	Supply of HDPE F	Pipe PE 10	00 (IS 4984/1	995), 8kg, 9	0mm Outer	Dia.	
	90mm HDPE 8	kg					
		1	5466.000				5466.000
	Total						5466.000
				Tot	al Quantity	in metre	5466.000
1.006	OD99555/2022-20)23					
	90mm HDPE Spec	cials (8kg)) (3% Cost of	pipe)			
	90mm HDPE S	pecials(8k	(g)				
		1	5466.000	20177			5466.000
	Total		-collis	September 1			5466.000
				Tot	al Quantity	in metre	5466.000
1.007	100.98.154	×					
	Supply of HDPE I	Pipe PE 10	00 (IS 4984/1	995), 10kg,	90mm Outer	· Dia.	
	90mm HDPE 10	Okg	,				
		1	9057.000				9057.000
	Total						9057.000
				Tot	al Quantity	in metre	9057.000
1.008	OD100162/2022-2	2023					
	Specials for 90 mr	n HDPE p	oipe(10kg) (3°	% Cost of p	ipe)		
	Specials for 90	mm HDP	E pipe(10kg)				
		1	9057.000				9057.000
	Total						9057.000
				Tot	al Quantity	in metre	9057.000
1.009	100.98.194						
	Supply of HDPE F	Pipe PE 10	00 (IS 4984/1	995), 16kg,	90mm Outer	Dia.	
	90mm HDPE 10	6kg					
	90mm HDPE 16kg	1	24740.00 0			1.0000	24740.00 0
	For rider line	1	3000.000			1.0000	3000.000
	Total						27740.00 0

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
				Tot	al Quantity i	n metre	27740.00 0
1.010	OD100204/2022-2	2023					
	Specials for 90mm	n HDPE P	ipe (16kg) (3	% Cost of p	ipe)		
	Specials for 90m	ım HDPE	Pipe (16kg)				
		1	27740.00 0				27740.00 0
	Total						27740.00 0
				Tot	al Quantity i	n metre	27740.00 0
1.011	100.98.135					-	
	Supply of HDPE I	Pipe PE 10	00 (IS 4984/1	995), 8kg, 1	10mm Outer	Dia.	
	110mm HDPE	8kg		le/\			
		1	622.000				622.000
	Total		411	KADA			622.000
				Tot	al Quantity i	n metre	622.000
1.012	OD99923/2022-20)23					
	110 mm HDPE sp	ecials (8k	g) (3% Cost	of pipe)			
	110 mm HDPE	specials	(8kg)	M FOR THE M WORKS	IANAGEMENT		
		1	622.000				622.000
	Total						622.000
				Tot	al Quantity i	n metre	622.000
1.013	100.98.155						
	Supply of HDPE I	Pipe PE 10	00 (IS 4984/1	995), 10kg,	110mm Oute	r Dia.	
	110mm HDPE	10kg					
		1	898.000				898.000
	Total						898.000
				Tot	al Quantity i	n metre	898.000
1.014	OD100178/2022-2	2023					
	110mm HDPE sp	ecials (10	kg) (3% Cos	t of pipe)			
	110mm HDPE s	specials (1	0kg)				
		1	898.000				898.000
	Total						898.000
				Tot	al Quantity i	n metre	898.000
1.015	100.98.195						
	Supply of HDPE I	Pipe PE 10	00 (IS 4984/1	995), 16kg,	110mm Oute	r Dia.	
	110mm HDPE						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
		1	2201.000				2201.000
	Total						2201.000
				Tota	al Quantity	in metre	2201.000
1.016	OD100207/2022-2	2023					
	Specials for 110mm	m HDPE	16kg				
	Specials for 110	mm HDP	E 16kg				
		1	2201.000				2201.000
	Total						2201.000
				Tota	al Quantity	in metre	2201.000
1.017	100.98.436						
	Supply of CI Air V Size 80mm.		nforming to I	S 14848 - 20	000, Kinetic	Air Valve	Type DK,
	80 mm CI air valv		A	1		<u> </u>	
		3	a si				3.000
	Total		(41,65)	(4)[1]			3.000
					Total Quant	tity in no	3.000
1.018	100.98.444			7	_		
	Supply of CI Air V Type S2, Size 50m	/alve, Con nm.		S 14848 - 20		Orifice, La	rge Orifice
	50 mm CI air valv	e	0. 10000	TOTAL S			
		1					1.000
	Total						1.000
				, , , , , , , , , , , , , , , , , , ,	Fotal Quant	tity in no	1.000
1.019	100.98.445						
	Supply of CI Air V Size 40mm.	/alve, Co	nforming to I	S 14848 - 20	000, Double	Orifice Ty	pe DS2,
	40 mm CI air valv	e				т т	
		9					9.000
	Total						9.000
				ř	Total Quant	tity in no	9.000
1.020	100.98.440						
	Supply of CI Air V Type S1, Size 25m		nforming to I	S 14848 - 20	000, Single C	Orifice, Sn	nall Orifice
	25 mm CI air valv			Т		 	
		58					58.000
	Total						58.000
				r	Total Quant	tity in no	58.000
1.021	100.98.475						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity						
	Supply of CI Doub Valve with Cap PN			ve Conformi	ng to IS 1484	46 - 2000,	Sluice						
	300 mm sluice va	ılve											
		1					1.00						
	Total						1.00						
				,	Total Quanti	ity in no	1.00						
1.022	100.98.474					-							
	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.0, Size 250mm.												
	250 mm sluice v	alve											
		1					1.00						
	Total						1.00						
				,	Total Quant	ity in no	1.00						
	100.98.473												
1.023	100.98.473		Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.0, Size 200mm.										
1.023	Supply of CI Doub			ve Conformi	ng to IS 1484	46 - 2000,	Sluice						
1.023	Supply of CI Doub	N 1.0, Size		ve Conformi	ng to IS 1484	46 - 2000,	Sluice						
1.023	Supply of CI Doub Valve with Cap PN	N 1.0, Size		ve Conformi	ng to IS 1484	46 - 2000,							
1.023	Supply of CI Doub Valve with Cap PN	N 1.0, Size		ve Conformi	ng to IS 1484	46 - 2000.	1.00						
1.023	Supply of CI Doub Valve with Cap PN 200 mm Sluice va	N 1.0, Size		210	ng to IS 1484		1.00 1.00						
	Supply of CI Doub Valve with Cap PN 200 mm Sluice va	N 1.0, Size	e 200mm.	210	Ē		1.00 1.00						
	Supply of CI Doub Valve with Cap PN 200 mm Sluice va Total	N 1.0, Size	d Sluice Val	2 C	Fotal Quant	ity in no	1.00 1.00 1.00						
	Supply of CI Doub Valve with Cap PN 200 mm Sluice va Total 100.98.472 Supply of CI Doub	N 1.0, Size	d Sluice Val	2 C	Fotal Quant	ity in no	1.00 1.00 1.00						
	Supply of CI Doub Valve with Cap PN 200 mm Sluice va Total 100.98.472 Supply of CI Doub Valve with Cap PN	N 1.0, Size	d Sluice Val	2 C	Fotal Quant	ity in no	1.00 1.00 1.00 Sluice						
	Supply of CI Doub Valve with Cap PN 200 mm Sluice va Total 100.98.472 Supply of CI Doub Valve with Cap PN	N 1.0, Size alve 1 ole Flange N 1.0, Size	d Sluice Val	2 C	Fotal Quant	ity in no	1.00 1.00 1.00 Sluice						
	Supply of CI Doub Valve with Cap PN 200 mm Sluice va Total 100.98.472 Supply of CI Doub Valve with Cap PN 150 mm sluice v	N 1.0, Size alve 1 ole Flange N 1.0, Size	d Sluice Val	ve Conformi	Fotal Quant	ity in no 46 - 2000.	1.00 1.00 1.00 Sluice 1.00 1.00						
1.024	Supply of CI Doub Valve with Cap PN 200 mm Sluice va Total 100.98.472 Supply of CI Doub Valve with Cap PN 150 mm sluice v	N 1.0, Size alve 1 ole Flange N 1.0, Size	d Sluice Val	ve Conformi	Fotal Quant ing to IS 1484	ity in no 46 - 2000.	1.00 1.00 1.00 Sluice 1.00 1.00						
1.024	Supply of CI Doub Valve with Cap PN 200 mm Sluice va Total 100.98.472 Supply of CI Doub Valve with Cap PN 150 mm sluice v	ole Flange valve 1 ole Flange valve 1	d Sluice Vale 150mm.	ve Conformi	Total Quanting to IS 1484	ity in no 46 - 2000, ity in no	1.00 1.00 1.00 Sluice 1.00 1.00						
1.024	Supply of CI Doub Valve with Cap PN 200 mm Sluice va Total 100.98.472 Supply of CI Doub Valve with Cap PN 150 mm sluice value Total 100.98.469 Supply of CI Doub	ole Flange valve	d Sluice Vale 150mm.	ve Conformi	Total Quanting to IS 1484	ity in no 46 - 2000, ity in no	1.00 1.00 1.00 Sluice 1.00 1.00						
1.024	Supply of CI Doub Valve with Cap PN 200 mm Sluice va Total 100.98.472 Supply of CI Doub Valve with Cap PN 150 mm sluice va Total 100.98.469 Supply of CI Doub Valve with Cap PN 200.98.469 Supply of CI Doub Valve with Cap PN 200.98.469	ole Flange valve	d Sluice Vale 150mm.	ve Conformi	Total Quanting to IS 1484	ity in no 46 - 2000, ity in no	1.00 1.00 1.00 Sluice 1.00 1.00						
1.024	Supply of CI Doub Valve with Cap PN 200 mm Sluice va Total 100.98.472 Supply of CI Doub Valve with Cap PN 150 mm sluice va Total 100.98.469 Supply of CI Doub Valve with Cap PN 200.98.469 Supply of CI Doub Valve with Cap PN 200.98.469	ole Flange valve 1 ole Flange valve 1 ole Flange valve 1 ole Flange valve	d Sluice Vale 150mm.	ve Conformi	Total Quanting to IS 1484	ity in no 46 - 2000, ity in no	1.00 1.00 1.00 Sluice 1.00 1.00 Sluice						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Excavating trenches ockets, and dressing etting out the exceeding 20cm in watering, etc., and 50m, in all kinds o	ng of side avated so depth, in disposing	es, ramming oil, and then recluding cons	of bottoms, deturning the solidating each	lepth up to 1. soil as requir th deposited	.5m, inclured, in lay layer by r	ding ers not amming,	
	Excav	ating tren	ches- All kir	nds of soil				
	300 mm DI K9	1	1504.000	1.000	1.250	0.7500 00	1410.000	
	250 mm DI K9	1	2519.000	0.900	1.200	0.7500 00	2040.390	
	200 mm DI K9	1	3293.000	0.800	1.150	0.7500 00	2272.170	
	150 mm DI K9	1	1474.000	0.600	1.100	0.7500 00	729.630	
	110mm HDPE	1	3721.000	0.600	1.100	0.7500 00	1841.895	
	90mm HDPE	1	39263.00 0	0.500	1.000	0.7500 00	14723.62 5	
	90mm HDPE Rider line	1	3000.000	0.500	1.000	0.7500 00	1125.000	
	Deduction for ms pipe 300mm	-1	20.000	1.000	1.250	0.7500 00	-18.750	
	Deduction for ms pipe 250mm	-1	25.000	0.900	1.200	0.7500 00	-20.250	
	Deduction for ms pipe 200mm	-1	33.000	0.800	1.150	0.7500 00	-22.770	
	Deduction for ms pipe 150mm	-1	15.000	0.600	1.100	0.7500 00	-7.425	
	Dismantling of flexible pavement	-1	5400.000	0.600	0.300		-972.000	
	Demolishing cement concrete	-1	4500.000	0.600	0.150		-405.000	
	Total						22696.51 5	
				To	otal Quantity	y in cum	22696.51 5	
2.002	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 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50 m, in Ordinary Rock.							
			es- Ordinary	rock				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	300 mm DI K9	1	1504.000	1.000	1.250	0.1500 00	282.000
	250 mm DI K9	1	2519.000	0.900	1.200	0.1500 00	408.078
	200 mm DI K9	1	3293.000	0.800	1.150	0.1500 00	454.434
	150 mm DI K9	1	1474.000	0.600	1.100	0.1500 00	145.926
	110mm HDPE	1	3721.000	0.600	1.100	0.1500 00	368.379
	90mm HDPE	1	39263.00 0	0.500	1.000	0.1500 00	2944.725
	90mm HDPE Rider line	1	3000.000	0.500	1.000	0.1500 00	225.000
	Deduction for ms pipe 300mm	-1	20.000	1.000	1.250	0.1500 00	-3.750
	Deduction for ms pipe 250mm	-1	25.000	0.900	1.200	0.1500 00	-4.050
	Deduction for ms pipe 200mm	-1	33.000	0.800	1.150	0.1500 00	-4.554
	Deduction for ms pipe 150mm	-1	15.000	0.600	1.100	0.1500 00	-1.485
	Total		e-PLATFOR OF PUBLIC		ANAGEMENT		4814.703
				To	tal Quantity	y in cum	4814.703
2.003	100.2.3						
	Excavating trenches sockets, and dressing the excepting out the exception of the exception	ing of side avated so depth, in disposing	es, ramming of il, and then re icluding cons g of surplus e	of bottoms, deturning the solidating eac xcavated soil	epth up to 1. soil as required	5m, inclured, in lay layer by r	ding ers not amming,
	Excavating	g trenches	- Medium ro	ck			
	300 mm DI K9	1	1504.000	1.000	1.250	0.0500 00	94.000
	250 mm DI K9	1	2519.000	0.900	1.200	0.0500 00	136.026
	200 mm DI K9	1	3293.000	0.800	1.150	0.0500 00	151.478
	150 mm DI K9	1	1474.000	0.600	1.100	$0.0500 \\ 00$	48.642
	110mm HDPE	1	3721.000	0.600	1.100	0.0500 00	122.793
			39263.00			0.0500	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	90mm HDPE Rider line	1	3000.000	0.500	1.000	0.0500 00	75.000
	Deduction for ms pipe 300mm	-1	20.000	1.000	1.250	0.0500 00	-1.250
	Deduction for ms pipe 250mm	-1	25.000	0.900	1.200	0.0500 00	-1.350
	Deduction for ms pipe 200mm	-1	33.000	0.800	1.150	0.0500 00	-1.518
	Deduction for ms pipe 150mm	-1	15.000	0.600	1.100	0.0500 00	-0.495
	Total						1604.901
				To	tal Quantity	y in cum	1604.901
2.004	100.1.13						
	Excavating trenches sockets, and dressing etting out the exceeding 20cm in watering, etc., and 50m, in Hard Rock	ng of side avated so depth, in disposing	es, ramming oil, and then re cluding cons g of surplus e	of bottoms, deturning the solidating each acceptance of the control of the contro	lepth up to 1. soil as requir th deposited	.5m, inclured, in lay layer by r	iding ers not amming,
	Excavation			3-16			
	300 mm DI K9	1	1504.000	1.000	1.250	0.0500	94.000
	250 mm DI K9	1	2519.000	0.900	1.200	0.0500 00	136.026
	200 mm DI K9	1	3293.000	0.800	1.150	0.0500 00	151.478
	150 mm DI K9	1	1474.000	0.600	1.100	0.0500 00	48.642
	110mm HDPE	1	3721.000	0.600	1.100	0.0500 00	122.793
	90mm HDPE	1	39263.00 0	0.500	1.000	0.0500	981.575
	90mm HDPE Rider line	1	3000.000	0.500	1.000	0.0500	75.000
	Deduction for ms pipe 300mm	-1	20.000	1.000	1.250	0.0500 00	-1.250
	Deduction for ms pipe 250mm	-1	25.000	0.900	1.200	0.0500	-1.350
	Deduction for ms pipe 200mm	-1	33.000	0.800	1.150	0.0500 00	-1.518
	Deduction for ms pipe 150mm	-1	15.000	0.600	1.100	0.0500 00	-0.495
	Total						1604.901
				To	tal Quantity	y in cum	1604.901

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
2.005	100.8.1											
	Fencing one side of in vertical casuaring						aution tape					
	Fencing one side	for trenc	hes									
		1	50000.00 0				50000.00					
	Total 50000.											
	Total Quantity in metre											
2.006	100.59.1											
	200mm along the any damage to oth and plant, cost of caution boards, tracomplete, before comechanical means	er utilities consumab affic diver arrying of and carry	s, including the sand charge sion, and as put the demoliving out the e	he charges for lightinger the direction of bitum excavation.	or hire and cong, watching ion of depart	onveyance , ribbon fe mental of	e of tools encing, ficers etc.					
	Cutting the bitur	ninous / c		S								
		2	1200.000	\leftarrow $+$ L			2400.000					
	Total	_	e-PLATFOR	M FOR THE M	ANAGEMENT		2400.000					
			OF PUBLIC	works Tot	al Quantity	in metre	2400.000					
2.007	Dismantling of fle disposal of disman Engineer-in-charg	ıtled mate										
	Dismantling o	f flexible	pavement									
		1	5400.000	0.600	0.300		972.000					
	Total						972.000					
				Te	otal Quantit	y in cum	972.000					
2.008	15.2.2											
	Demolishing ceme material within 50 concrete 1:4:8 lear	metres le	ad as per dire	ection of Eng	gineer - in-Cl							
	Demolishing of	cement co	ncrete		<u> </u>							
		1	4500.000	0.600	0.150		405.000					
	Total						405.000					
				To	otal Quantit	y in cum	405.000					
2.009	18.12.8											
	Providing and fixing refilling etc. Exter				tings includir	ng trenchi	ng and					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Providing and fix	king 80 mi	m GI				
		1	13467.00 0				13467.00 0
	Total						13467.00 0
				Tot	al Quantity	13467.00 0	
2.010	100.10.1						
	Laying HDPE pip and aligning the prelectrofusion mack working pressure a into the trenches a before back filling appliances etc., con Diameter pipes.	ipes, elect hines, test and after t lready ma and level implete bu	ro-fusion we ing the pipeli esting, aligni ide, testing the ling the trend	Iding using a ine thus fabr ing the pipel he line to suit ches includir	automatic or icated to suit ine, lowering table pressuring all labour	semi-auto the hydra the pipe e with pot charge, hi	matic sulic in position able water re for
	Laying John In	1	39263.00				39263.00
	Total		P	710			39263.00 0
			e-PLATFOR OF PUBLIC	M FOR TITOT	al Quantity	in metre	39263.00 0
2.011	100.10.2						
	Laying HDPE pip and aligning the predectrofusion mack working pressures into the trenches a before back filling appliances etc., co Outer Diameter Pi	ipes, elect hines, test and after t lready ma and level implete bu pes.	ro-fusion we ing the pipeli esting, aligni de, testing the ling the trend	Iding using a ine thus fabring the pipel ne line to suit ches includir	automatic or icated to suit ine, lowering table pressur- ng all labour	semi-auto the hydra the pipe e with pot charge, hi	matic sulic in position able water re for
		1	3721.000				3721.000
	Total						3721.000
				Tot	al Quantity	in metre	3721.000
2.012	Conveying and lay conforming to IS: Iron Class K-9 Pig	8329 excl					
	Conveying and la		mm DI				
		1	1524.000				1524.000
	Total						1524.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
				Tot	al Quantity	in metre	1524.000			
2.013	18.70.5									
	Providing push - on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket:300 mm dia pipe									
	Push on Joints									
		280					280.000			
	Total						280.000			
				To	tal Quantity	in joint	280.000			
2.014	18.30.7									
	Providing flanged testing of joints:30			ed C.I./ D.I p	ipes and spec	cials, inclu	ıding			
	Flanged joints									
		4	-53.	W/\-			4.000			
	Total			(A)			4.000			
			S. S		Total Quant	ity in no	4.000			
2.015	OD113332/2022-2			- 16						
	Labour for cutting		vith steel saw	<mark>v 30</mark> 0 mm dia	ameter of DI	Pipe				
	Labour for cutting		e-PLATFOR	M FOR THE M	ANAGEMENT					
		40	OF PUBLIC	WORKS			40.000			
	Total						40.000			
				Total Q	uantity in E	Cach Cut	40.000			
2.016	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									
	Testing 300mm p	ipe								
		1	1524.000				1524.000			
	Total						1524.000			
				Tot	al Quantity	in metre	1524.000			
2.017	100.14.4									
	Conveying and lay to IS: 8329 exclud K-9 Pipes.									
	Conveying and la	aying 250	mm DI							
		1	2544.000				2544.000			
	Total						2544.000			
				Tot	al Quantity	in metre	2544.000			
2.018	18.70.4									

	Specification	No	Length	Width	Depth	Cf	Quantity				
	Providing push - o Pipes including tes pipes										
	Providing push- o	on -joints									
		465					465.000				
	Total						465.00				
				To	tal Quantity	in joint	465.00				
2.019	18.30.6										
	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:250 mm diameter pipe										
	Providing flange	ed joints t	o double flar	iged pipes							
		5					5.00				
	Total						5.00				
			Л	W/L	Total Quant	ity in no	5.00				
2.020	OD113323/2022-2	023	a iki	57A		•					
	Labour for cutting		vith steel saw	250 mm dia	ameter of DI	Pipe					
	Labour for cutting										
		60					60.00				
	Total						60.00				
			OF PUBLIC	Total C	Quantity in E	ach Cut	60.00				
2.021	100.35.4										
	Testing 250mm Dl 250 mm dia Observed Data der		•		•	test pressu	ıre .				
	Testing 250 mm	DI									
	Testing 250 mm	DI 1	2544.000				2544.00				
	Testing 250 mm l		2544.000				2544.00 2544.00				
	<u> </u>		2544.000	Tot	al Quantity	in metre	2544.00				
2.022	<u> </u>		2544.000	Tot	al Quantity	in metre	2544.00				
2.022	Total	ing S&S	Centrifugally	y Cast (Spun) / Ductile Iro	on Pipes c	2544.00 2544.00 onforming				
2.022	Total 100.14.3 Conveying and lay to IS: 8329 excludi	ing S&S	Centrifugally f pipes and s	y Cast (Spun) / Ductile Iro	on Pipes c	2544.00 2544.00 onforming				
2.022	Total 100.14.3 Conveying and lay to IS: 8329 excluding K-9 Pipes.	ing S&S	Centrifugally f pipes and s	y Cast (Spun) / Ductile Iro	on Pipes c	2544.00 2544.00 onforming ron Class				
2.022	Total 100.14.3 Conveying and lay to IS: 8329 excluding K-9 Pipes.	ing S&S ing cost o	Centrifugally f pipes and s mm DI	y Cast (Spun) / Ductile Iro	on Pipes c	2544.00 2544.00 onforming				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Providing push - or Pipes including test pipes	n-joints to sting of jo	o Centrifugal ints and incl	lly (Spun) Cauding the cos	ast Iron Pipes st of rubber g	s or Ductil gasket:200	e Iron mm dia
	Providing push-	on -joint	S				
		610					610.000
	Total						610.000
				To	tal Quantity	y in joint	610.000
2.024	18.30.5					-	
	Providing flanged testing of joints:20			ed C.I./ D.I p	ipes and spec	cials, inclu	ıding
	Providing flang	ed joints t	o double fla	nged pipes			
		6					6.000
	Total						6.000
				W/\	Total Quant	ity in no	6.000
2.025	OD113324/2022-2	2023		640			
	Labour for cutting	DI pipe v	vith steel sav	v 200 mm di	ameter of DI	Pipe	
	Labour for cutting	3					
		60					60.000
	Total	100					60.000
			OF PUBLIC	Total ()uantity in H	Each Cut	60.000
2.026	100.35.3				•	•	
	Testing 200mm D 200 mm dia Observed Data der		_		_	test pressi	ure
	Testing 200 mm	DI					
		1	3326.000				3326.000
	Total						3326.000
				Tot	al Quantity	in metre	3326.000
2.027	100.14.2						
	Conveying and lay to IS: 8329 exclud K-9 Pipes.						
	Conveying and la	aying 150	mm DI				
		1	1489.000				1489.000
	Total						1489.000
				Tot	al Quantity	in metre	1489.000
	18.70.2						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Providing push - o Pipes including tes pipes						
	Providing push-	on -joints					
		275					275.000
	Total						275.000
				To	tal Quantity	y in joint	275.000
2.029	18.30.4						
	Providing flanged testing of joints:15			ed C.I./ D.I p	ipes and spec	cials, inclu	ıding
	Providing flang	ed joints	to double fla	nged pipes			
		3					3.000
	Total						3.000
			J	W/L	Total Quant	ity in no	3.000
2.030	OD113325/2022-2	2023	a iki		-		
	Labour for cutting		vith steel sav	v 150 mm di	ameter of DI	Pipe	
	Labour for cutting						
		15		711			15.000
	Total	10			-		15.000
			OF PUBLIC	WOR Total C	Quantity in F	Cach Cut	15.000
2.031	100.35.2			10111	zuantity in 1	zach Cat	15.000
2.031	Testing 150mm D 150 mm dia Observed Data der		-		•	test pressi	ıre
	Testing 150 mm	DI					
		1	1489.000				1489.000
	Total						1489.000
				Tot	al Quantity	in metre	1489.000
2.032	18.69.1						
_,,,,	Providing and layi per IS: 9523:Upto			ss K - 12 sui	table for med	chanical jo	ointing as
	Providing and layi						
	300 mm DI K9	3				0.4800	1.440
	250 mm DI K9	5				0.3600 00	1.800
	200 mm DI K9	7				0.2700 00	1.890
	150 mm DI K9	3				0.2000	0.600

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						5.730
				Total	Quantity ir	n quintal	5.730
2.033	18.68.1						
	Providing and layi IS: 9523:Upt 600		ecials of clas	s K - 12 suita	able for push	- on joint	ing as per
	DI Specials					Г	
	300 mm 90 degree	4				0.6800	2.720
	300 mm 45 degree	8				0.5000 00	4.000
	300 mm 22.5 degree	10				0.4400 00	4.400
	300 mm 11.25 degree	15				0.4000	6.000
	250 mm 90 degree	4	a sk			0.4800 00	1.920
	250 mm 45 degree	12				0.3600 00	4.320
	250 mm 22.5 degree	15		3 10		0.3200 00	4.800
	250 mm 11.25 degree	15	e-PLATFOR	M FOR THE M	ANAGEMENT	0.3000 00	4.500
	200 mm 90 degree	4				0.3200 00	1.280
	200 mm 45 degree	15				0.2600 00	3.900
	200 mm 22.5 degree	21				0.2300 00	4.830
	200 mm 11.5 degree	32				0.2100 00	6.720
	150 mm 90 degree	4				0.2000	0.800
	150 mm 45 degree	7				0.1600 00	1.120
	150 mm 22.5 degree	17				0.1500 00	2.550
	150 mm 11.25 degree	24				0.1400 00	3.360
	300x250 Tee	5				1.0300 00	5.150
	300x200 Tee	7				0.9500 00	6.650
	300x150 Tee	8				0.9000 00	7.200

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	300X80 Tee	11				0.8900 00	9.790
	250x200	5				0.7100 00	3.550
	250x150 Tee	8				0.6900 00	5.520
	250X80 Tee	10				0.6400 00	6.400
	150x80 Tee	40				0.2900	11.600
	300 TP	2				0.4300 00	0.860
	250 TP	2				0.3200 00	0.640
	200 TP	2	J	le/\		0.2300 00	0.460
	150 TP	2	A			0.1600 00	0.320
	Total		soull's	The state of the s			115.360
							44 = 240
2.034	100.32.4 Conveying and fix	ing C. I. D	Oouble Actin		of approved		115.360
2.034	100.32.4 Conveying and fix nuts, rubber insert required, will be p	ions etc., c aid separat ve	omplete, but	g Air Valve t excluding t	of approved he cost of air	quality wi	ith bolts, il pieces, if
2.034	Conveying and fix nuts, rubber insert required, will be p 80 mm CI air val	ions etc., c aid separat	omplete, but	g Air Valve t excluding t	of approved he cost of air	quality wi	ith bolts, il pieces, if
2.034	Conveying and fix nuts, rubber insert required, will be p	ions etc., c aid separat ve	omplete, but	ng Air Valve t excluding t Double Acti	of approved he cost of aii ing Air Valv	quality wi valve (tai e.	3.000 3.000
	Conveying and fix nuts, rubber insert required, will be p 80 mm CI air val	ions etc., c aid separat ve	omplete, but	ng Air Valve t excluding t Double Acti	of approved he cost of air	quality wi valve (tai e.	ith bolts, il pieces, if
	Conveying and fix nuts, rubber insert required, will be p 80 mm CI air val	ions etc., c aid separat ve 3 ing C. I. D ions etc., c	omplete, butely): 80mm Double Actinomplete, butely	g Air Valve t excluding t Double Acti	of approved he cost of air ing Air Valv	quality wing a quality in no quality wing a quality	3.000 3.000 3.000 ith bolts,
	Conveying and fix nuts, rubber insert required, will be p 80 mm CI air val Total 100.32.3 Conveying and fix nuts, rubber insert	ions etc., c aid separat ve 3 ing C. I. D ions etc., c aid separat	omplete, butely): 80mm Double Actinomplete, but	g Air Valve t excluding t Double Acti	of approved he cost of air ing Air Valv	quality wing a quality in no quality wing a quality	3.000 3.000 3.000 ith bolts, il pieces, if
	Conveying and fix nuts, rubber insert required, will be p 80 mm CI air val Total 100.32.3 Conveying and fix nuts, rubber insert required, will be p 50 mm CI air valv	ions etc., c aid separat ve 3 ing C. I. D ions etc., c aid separat	omplete, butely): 80mm Double Actinomplete, but	g Air Valve t excluding t Double Acti	of approved he cost of air ing Air Valv	quality wing a quality in no quality wing a quality	3.000 3.000 3.000 3.000 1.000
	Conveying and fix nuts, rubber insert required, will be p 80 mm CI air val Total 100.32.3 Conveying and fix nuts, rubber insert required, will be p	ions etc., c aid separat ve 3 ing C. I. D ions etc., c aid separat e	omplete, butely): 80mm Double Actinomplete, but	g Air Valve t excluding t Double Acti	of approved he cost of air Valve Total Quant of approved he cost of air ing Air Valve	quality wing valve (taile).	3.000 3.000 3.000 3.000 1.000
2.035	Conveying and fix nuts, rubber insert required, will be p 80 mm CI air val Total 100.32.3 Conveying and fix nuts, rubber insert required, will be p 50 mm CI air valv Total	ions etc., c aid separat ve 3 ing C. I. D ions etc., c aid separat e	omplete, butely): 80mm Double Actinomplete, but	g Air Valve t excluding t Double Acti	of approved he cost of air ing Air Valv	quality wing valve (taile).	3.000 3.000 3.000 3.000 ith bolts, il pieces, if
2.035	Conveying and fix nuts, rubber insert required, will be p 80 mm CI air val Total 100.32.3 Conveying and fix nuts, rubber insert required, will be p 50 mm CI air valv	ions etc., c aid separat ve 3 ing C. I. D ions etc., c aid separat e 1	Double Acting tomplete, but tely): 80mm	ag Air Valve t excluding to Double Active ag Air Valve t excluding to Double Active t excluding to	of approved the cost of air valve of approved the cost of air ing Air Valve of approved the cost of air valve of approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost o	quality wite valve (taile). Lity in no quality wite valve (taile).	3.000 3.000 3.000 3.000 1.000 1.000 1.000
2.035	Conveying and fix nuts, rubber insert required, will be p 80 mm CI air val Total 100.32.3 Conveying and fix nuts, rubber insert required, will be p 50 mm CI air valv Total 100.32.2 Conveying and fix nuts, rubber insert required, will be p 50 mm CI air valv	ions etc., c aid separat ve 3 ing C. I. D ions etc., c aid separat e 1	Double Acting tomplete, but tely): 80mm	ag Air Valve t excluding to Double Active ag Air Valve t excluding to Double Active t excluding to	of approved the cost of air valve of approved the cost of air ing Air Valve of approved the cost of air valve of approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost of air valve of a approved to the cost o	quality wite valve (taile). Lity in no quality wite valve (taile).	3.000 3.000 3.000 3.000 3.000 1.000 1.000 1.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Total						9.000		
				ı	Total Quant	ity in no	9.000		
2.037	100.32.1								
	Conveying and fixing C. I. Single Acting Air Valve of approved quality with nuts, rubber insertions etc., complete, but excluding the cost of air valve (tail required, will be paid separately): 25mm Single Acting Air Valve. 25 mm CI air valve								
	25 mm CI air valv	e		Γ	Г				
		58					58.000		
	Total						58.000		
				I	Total Quant	ity in no	58.000		
2.038	100.31.1.7								
	Conveying and fix insertions etc., con will be paid separa	nplete, bu	t excluding t	he cost of the					
	Conveying and fix	ing Sluice	e valve 300m	nm	 				
		1		X-8 (13)			1.000		
	Total						1.000		
	Total						1,000		
2.039	100.31.1.6		P	710	Total Quant	ity in no	1.000		
2.039	100.31.1.6 Conveying and fix insertions etc., conwill be paid separa	nplete, but ately): 250	t excluding t	(with cap) by	providing b	olts, nuts,	1.000		
2.039	100.31.1.6 Conveying and fix insertions etc., con	nplete, but ately): 250 lve	t excluding t	(with cap) by	providing b	olts, nuts,	1.000 rubber required,		
2.039	100.31.1.6 Conveying and fix insertions etc., con will be paid separa 250 mm sluice va	nplete, but ately): 250	t excluding t	(with cap) by	providing b	olts, nuts,	rubber required,		
2.039	100.31.1.6 Conveying and fix insertions etc., conwill be paid separa	nplete, but ately): 250 lve	t excluding t	(with cap) by the cost of the er, Class I.	providing be valve (tail p	olts, nuts, pieces, if r	1.000 rubber required, 1.000 1.000		
	100.31.1.6 Conveying and fix insertions etc., con will be paid separa 250 mm sluice va	nplete, but ately): 250 lve	t excluding t	(with cap) by the cost of the er, Class I.	providing b	olts, nuts, pieces, if r	rubber required,		
	100.31.1.6 Conveying and fix insertions etc., conwill be paid separa 250 mm sluice va Total 100.31.1.5 Conveying and fix insertions etc., conwill be paid separa	nplete, buntely): 250 lve ling C.I. sl mplete, buntely): 200	t excluding to mm diameter the	(with cap) by the cost of the cr, Class I. (with cap) by the cost of the	r providing be e valve (tail p	olts, nuts, pieces, if r	1.000 rubber required, 1.000 1.000 1.000 rubber		
	100.31.1.6 Conveying and fix insertions etc., conwill be paid separa 250 mm sluice va Total 100.31.1.5 Conveying and fix insertions etc., conveying and fix insertions etc., conveying etc.,	nplete, buntely): 250 lve ling C.I. sl mplete, buntely): 200 lve	t excluding to mm diameter the	(with cap) by the cost of the cr, Class I. (with cap) by the cost of the	r providing be e valve (tail p	olts, nuts, pieces, if r	1.000 rubber required, 1.000 1.000 1.000 rubber required,		
	100.31.1.6 Conveying and fix insertions etc., conwill be paid separa 250 mm sluice va Total 100.31.1.5 Conveying and fix insertions etc., conwill be paid separa 200 mm Sluice value.	nplete, buntely): 250 lve ling C.I. sl mplete, buntely): 200	t excluding to mm diameter the	(with cap) by the cost of the cr, Class I. (with cap) by the cost of the	r providing be e valve (tail p	olts, nuts, pieces, if r	1.000 rubber required, 1.000 1.000 rubber required, 1.000		
	100.31.1.6 Conveying and fix insertions etc., conwill be paid separa 250 mm sluice va Total 100.31.1.5 Conveying and fix insertions etc., conwill be paid separa	nplete, buntely): 250 lve ling C.I. sl mplete, buntely): 200 lve	t excluding to mm diameter the	(with cap) by the cost of the cr, Class I. (with cap) by the cost of the cr, Class I.	r providing be e valve (tail p	olts, nuts, pieces, if r	1.000 rubber required, 1.000 1.000 1.000 rubber required, 1.000 1.000		
2.040	100.31.1.6 Conveying and fix insertions etc., conwill be paid separa 250 mm sluice va Total 100.31.1.5 Conveying and fix insertions etc., conwill be paid separa 200 mm Sluice val Total	nplete, buntely): 250 lve ling C.I. sl mplete, buntely): 200 lve	t excluding to mm diameter the	(with cap) by the cost of the cr, Class I. (with cap) by the cost of the cr, Class I.	r providing be e valve (tail p	olts, nuts, pieces, if r	1.000 rubber required, 1.000 1.000 rubber required, 1.000		
2.040	100.31.1.6 Conveying and fix insertions etc., conwill be paid separa 250 mm sluice va Total 100.31.1.5 Conveying and fix insertions etc., conwill be paid separa 200 mm Sluice value.	nplete, but ately): 250 lve lve	duice valves t excluding to mm diameter the diameter than the diam	(with cap) by the cost of the cr, Class I. (with cap) by the cost of the cr, Class I.	r providing be e valve (tail providing be providing be e valve (tail providing be e valve (tail providing be evalve)	olts, nuts, pieces, if rolts, nuts, pieces, if rolts, nuts, pieces, if rolts, nuts, olts, nuts,	1.000 rubber required, 1.000 1.000 1.000 rubber required, 1.000 1.000 1.000 rubber		
2.040	100.31.1.6 Conveying and fix insertions etc., conwill be paid separa 250 mm sluice va Total 100.31.1.5 Conveying and fix insertions etc., conwill be paid separa 200 mm Sluice val Total 100.31.1.4 Conveying and fix insertions etc., conwill separa 200 mm Sluice val	ting C.I. sling C.I. s	duice valves t excluding to mm diameter the diameter than the diam	(with cap) by the cost of the cr, Class I. (with cap) by the cost of the cr, Class I.	r providing be e valve (tail providing be providing be e valve (tail providing be e valve (tail providing be evalve)	olts, nuts, pieces, if rolts, nuts, pieces, if rolts, nuts, pieces, if rolts, nuts, olts, nuts,	1.000 rubber required, 1.000 1.000 1.000 rubber required, 1.000 1.000 1.000 rubber		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						1.000
					Total Quant	ity in no	1.000
2.042	100.31.1.1					2	
	Conveying and fix insertions etc., con will be paid separa	nplete, bu	t excluding t	the cost of the			
	80 mm sluice valv	/e					
		28					28.000
	Total						28.000
					Total Quant	ity in no	28.000
2.043	100.37.9.1						
	In situ fabrication including cost and of painting the stee even shade over ar	conveyar el work w	nce charges of the two or me	of M.S. plate ore coat delu	, all fabrication exe multi surf	on charges	s, charges
	300 mm MS pipe		(A:13)	944			
	MS pipe	1	20.000	September 1			20.000
	Total						20.000
							20.000
		M		Tot	al Quantity	in metre	20.000
2.044	100.37.9.2	M	e-PLATFOR	Tot		in metre	
2.044	100.37.9.2 Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates.	ce charge n two or n	diameter 300 s of M.S. pla nore coat del	Omm using 1 ate, all fabric uxe multi su	2mm thick Mation charges	I.S. plate is, charges give an e	20.000 including of painting ven shade
2.044	Fabricating M.S. f cost and conveyan the steel work with over an under-coat	ce charge n two or n	diameter 300 s of M.S. pla nore coat del	Omm using 1 ate, all fabric uxe multi su	2mm thick Mation charges	I.S. plate is, charges give an e	20.000 including of painting ven shade
2.044	Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates.	ce charge n two or n	diameter 300 s of M.S. pla nore coat del	Omm using 1 ate, all fabric uxe multi su	2mm thick Mation charges	I.S. plate is, charges give an e	20.000 including of painting ven shade
2.044	Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates.	ce charge n two or n t of prime	diameter 300 s of M.S. pla nore coat del	Omm using 1 ate, all fabric uxe multi su	2mm thick Mation charges	I.S. plate is, charges give an e	including of painting ven shade thick M.S.
2.044	Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates. Flanges	ce charge n two or n t of prime	diameter 300 s of M.S. pla nore coat del	Omm using 1 ate, all fabric uxe multi surete: For pipe	2mm thick Mation charges	I.S. plate in the state of the	including of painting ven shade thick M.S.
	Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates. Flanges	ce charge n two or n t of prime	diameter 300 s of M.S. pla nore coat del	Omm using 1 ate, all fabric uxe multi surete: For pipe	2mm thick Mation charges rface paint to s fabricated v	I.S. plate in the state of the	including of painting ven shade thick M.S. 8.000
	Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates. Flanges Total	ce charge n two or n t of prime 8	diameter 300s of M.S. planore coat del retc., complepipes for majour and hire	Omm using 1 ate, all fabric uxe multi surete: For pipe	2mm thick Mation charges rface paint to s fabricated v	I.S. plate in the second secon	including of painting ven shade thick M.S. 8.000 8.000 8.000
	Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates. Flanges Total 100.37.9.3 Cutting 300mm (I. including cost of g	ce charge n two or n t of prime 8	diameter 300s of M.S. planore coat del retc., complepipes for majour and hire	Omm using 1 ate, all fabric uxe multi surete: For pipe	2mm thick Mation charges rface paint to s fabricated v	I.S. plate in the second secon	including of painting ven shade thick M.S. 8.000 8.000 8.000
	Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates. Flanges Total 100.37.9.3 Cutting 300mm (Lincluding cost of g fabricated with 8m	ce charge n two or n t of prime 8	diameter 300s of M.S. planore coat del retc., complepipes for majour and hire	Omm using 1 ate, all fabric uxe multi surete: For pipe	2mm thick Mation charges rface paint to s fabricated v	I.S. plate in the second secon	including of painting ven shade thick M.S. 8.000 8.000 8.000
	Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates. Flanges Total 100.37.9.3 Cutting 300mm (Lincluding cost of g fabricated with 8m	D.) M.S. gas, all lab	diameter 300s of M.S. planore coat del retc., complepipes for majour and hire	Omm using 1 ate, all fabric uxe multi surete: For pipe	2mm thick Mation charges rface paint to s fabricated v	I.S. plate in the second secon	including of painting ven shade thick M.S. 8.000 8.000 8.000 as cutting r pipes
	Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates. Flanges Total 100.37.9.3 Cutting 300mm (I. including cost of g fabricated with 8m Cutting	D.) M.S. gas, all lab	diameter 300s of M.S. planore coat del retc., complepipes for majour and hire	Omm using 1 ate, all fabric uxe multi surete: For pipe	2mm thick Mation charges rface paint to s fabricated v	ity in no	including of painting ven shade thick M.S. 8.000 8.000 8.000 as cutting r pipes

	Specification	No	Length	Width	Depth	Cf	Quantity				
	Welding 300mm (welding machine i tools etc., complete	ncluding	cost of gas a	nd welding r	ods, all laboı	ır and hire	gas/electric charges of				
	Welding										
		10					10.000				
	Total						10.000				
	Total Quantity in no 10.000										
2.047											
	Grinding cut and vincluding all labou 8mm thick M.S. pl	r and hire									
	Grinding										
		20					20.000				
	Total			340			20.000				
			- B		Total Quant	ity in no	20.000				
2.048	100.37.8.1		1611A	WALLEY TO							
	of painting the stee even shade over ar MS pipe 250mm			etc., comple		ace paint	to give an				
		1	25.000				25.000				
	TD 4 1						25.000				
	Total						25.000				
	Total			Tot	al Quantity	in metre					
2.049	100.37.8.2			Tot	al Quantity	in metre					
2.049	100.37.8.2 Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates.	ce charge 1 two or m	s of M.S. pla nore coat del	Omm using 1 te, all fabric uxe multi su	2mm thick Mation charges	I.S. plate is, charges give an e	25.000 including of painting ven shade				
2.049	100.37.8.2 Fabricating M.S. f cost and conveyan the steel work with over an under-coat	ce charge n two or m tof prime	s of M.S. pla nore coat del	Omm using 1 te, all fabric uxe multi su	2mm thick Mation charges	I.S. plate is, charges give an e	including of painting ven shade thick M.S.				
2.049	100.37.8.2 Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates. MS flange	ce charge 1 two or m	s of M.S. pla nore coat del	Omm using 1 te, all fabric uxe multi su	2mm thick Mation charges	I.S. plate is, charges give an e	including of painting ven shade thick M.S.				
2.049	100.37.8.2 Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates.	ce charge n two or m tof prime	s of M.S. pla nore coat del	Omm using 1 te, all fabric uxe multi su ete: For pipe	2mm thick Nation charges rface paint to s fabricated	I.S. plate is, charges give an ewith 8mm	including of painting ven shade thick M.S. 10.000				
	100.37.8.2 Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates. MS flange	ce charge n two or m tof prime	s of M.S. pla nore coat del	Omm using 1 te, all fabric uxe multi su ete: For pipe	2mm thick Mation charges	I.S. plate is, charges give an ewith 8mm	including of painting ven shade thick M.S. 10.000				
	100.37.8.2 Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates. MS flange	two or n of prime. 10 D.) M.S. as, all lab	s of M.S. pla nore coat del- r etc., comple pipes for ma our and hire	Omm using 1 te, all fabric uxe multi su ete: For pipe	2mm thick Nation charges rface paint to s fabricated v	I.S. plate is, charges give an ewith 8mm	including of painting ven shade thick M.S. 10.000 10.000 10.000				
	Total 100.37.8.2 Fabricating M.S. f cost and conveyanthe steel work with over an under-coatplates. MS flange Total 100.37.8.3 Cutting 250mm (Lincluding cost of g	two or n of prime. 10 D.) M.S. as, all lab	s of M.S. pla nore coat del- r etc., comple pipes for ma our and hire	Omm using 1 te, all fabric uxe multi su ete: For pipe	2mm thick Nation charges rface paint to s fabricated v	I.S. plate is, charges give an ewith 8mm	including of painting ven shade thick M.S. 10.000 10.000 10.000				
	Total 100.37.8.2 Fabricating M.S. f cost and conveyanthe steel work with over an under-coatplates. MS flange Total 100.37.8.3 Cutting 250mm (Lincluding cost of g fabricated with 8 m	two or n of prime. 10 D.) M.S. as, all lab	s of M.S. pla nore coat del- r etc., comple pipes for ma our and hire	Omm using 1 te, all fabric uxe multi su ete: For pipe	2mm thick Nation charges rface paint to s fabricated v	I.S. plate is, charges give an ewith 8mm	including of painting ven shade thick M.S. 10.000 10.000 10.000				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
				ı	Total Quant	tity in no	12.000		
2.051	100.37.8.4								
	Welding 250mm (welding machine i tools etc., complet	ncluding	cost of gas a	nd welding r	ods, all laboi	ır and hire	gas/electric charges of		
	Welding								
		12					12.000		
	Total						12.000		
				I	Total Quan	tity in no	12.000		
2.052	100.37.8.5								
	Grinding cut and vincluding all labout 8mm thick M.S. p. Grinding	r and hire							
		24	- 68				24.000		
	Total		(41)	X-8 (1)			24.000		
					Total Quant	tity in no	24.000		
2.053	100.37.7.1			<i></i>					
	In situ fabrication including cost and of painting the stee even shade over an MS pipe 200 mm	conveyar el work w	nce charges of the two or me	of M.S. plate, ore coat delu	, all fabricati xe multi sur	on charges	s, charges		
		1	33.000				33.000		
	Total						33.000		
				Tot	al Quantity	in metre	33.000		
2.054	100.37.7.2								
	Fabricating M.S. f cost and conveyan the steel work with over an under-coarplates.	ce charge 1 two or n	s of M.S. pla nore coat del	ite, all fabric uxe multi su	ation charges rface paint to	s, charges o give an e	of painting ven shade		
	MS flange								
		12					12.000		
	Total						12.000		
				-	Total Quan	tity in no	12.000		
2.055	100.37.7.3								
	Cutting 200mm (Including cost of g fabricated with 8m	as, all lab	our and hire						

	Specification	No	Length	Width	Depth	Cf	Quantity					
	Cutting					-						
		16					16.000					
	Total						16.000					
				,	Total Quant	ity in no	16.000					
2.056	100.37.7.4					-						
	welding machine i	Welding 200mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges o tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.										
	Welding											
		16					16.000					
	Total						16.000					
				,	Total Quant	ity in no	16.000					
2.057	100.37.7.5											
	Grinding cut and vincluding all labou 8mm thick M.S. p	r and hire	of 200mm charges of t	(I.D.) M.S. p ools etc., cor	ipes during f nplete: For p	abrication ipes fabri	work cated with					
	Grinding			STATES								
		32					32.000					
	Total						32.000					
			e-PLATFOR OF PUBLIC	M FOR THE M WORKS	Total Quant	ity in no	32.000					
2.058	100.37.6.1											
	In situ fabrication including cost and of painting the stee even shade over an	conveyan el work wi	ce charges of th two or m	of M.S. plate, ore coat delu	, all fabrication xe multi surf	on charges	s, charges					
	MS pipe 150 mm											
		1	15.000				15.000					
	Total	1	15.000									
	Total	1	15.000	Tot	al Quantity	in metre	15.000					
	Total 100.37.6.2	1	15.000	Tot	al Quantity	in metre						
2.059		langes of o	diameter 150 s of M.S. pla nore coat del	Omm using 1: te, all fabrica uxe multi sur	2mm thick Mation charges	I.S. plate is, charges give an e	15.000 15.000 including of painting ven shade					
2.059	100.37.6.2 Fabricating M.S. f cost and conveyan the steel work with over an under-coat	langes of o	diameter 150 s of M.S. pla nore coat del	Omm using 1: te, all fabrica uxe multi sur	2mm thick Mation charges	I.S. plate is, charges give an e	15.000 15.000 including of painting ven shade					
2.059	100.37.6.2 Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates.	langes of o	diameter 150 s of M.S. pla nore coat del	Omm using 1: te, all fabrica uxe multi sur	2mm thick Mation charges	I.S. plate is, charges give an e	15.000 15.000 including of painting ven shade thick M.S.					
2.059	100.37.6.2 Fabricating M.S. f cost and conveyan the steel work with over an under-coat plates.	langes of occeptance charges a two or many of primer	diameter 150 s of M.S. pla nore coat del	Omm using 1: te, all fabrica uxe multi sur	2mm thick Mation charges	I.S. plate is, charges give an e	including of painting ven shade					

	Specification	No	Length	Width	Depth	Cf	Quantity
	Cutting 150mm (I. including cost of g fabricated with 8m	as, all lab	our and hire				
	Cutting						
		8					8.000
	Total						8.000
				,	Total Quant	ity in no	8.000
2.061	100.37.6.4					-	
	Welding 150mm (welding machine i tools etc., complete	ncluding	cost of gas ar	nd welding re	ods, all labou	ır and hire	
	Welding						
		8					8.000
	Total			340			8.000
			- B		Fotal Quant	ity in no	8.000
2.062	100.37.6.5		400				
		1 -		WANDING SAME			1 < 0.04
	Total	16	OF PUBLIC	WORKS			
	Total	16	OF PUBLIC	WORKS	Fotal Quant	ity in no	16.000
2.063		16	OF PUBLIC	WORKS	Fotal Quant	ity in no	16.000
2.063		ivation by ing 30 cm of excava I and neat	n in depth, 1 nted earth, lea ly dressed.A	means (Hyd 5 m in width ad up to 50 n ll kinds of so	raulic excava as well as 10 and lift up t	ntor)/manu O sqm on j	plan) disposed
2.063	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Excavation	vation by ing 30 cm of excava	n in depth, 1 nted earth, lea	means (Hyd 5 m in width ad up to 50 n	raulic excava as well as 10 and lift up t	ntor)/manu O sqm on j	16.000 16.000 all means plan) disposed
2.063	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Excavation valve Chamber	ivation by ing 30 cm of excava I and neat	n in depth, 1 nted earth, lea ly dressed.A	means (Hyd 5 m in width ad up to 50 n ll kinds of so	raulic excava as well as 10 and lift up t	ntor)/manu O sqm on j	16.000 16.000 ual means plan) disposed
2.063	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Excavation valve Chamber Size 1x1x1	ivation by ing 30 cm of excava I and neat	n in depth, 1 nted earth, lea ly dressed.A	means (Hyd 5 m in width ad up to 50 n ll kinds of so 1.600	raulic excava as well as 10 and lift up t	ntor)/manu) sqm on j to 1.5 m, o	16.000 16.000 ual means plan) disposed 96.000
	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Excavation valve Chamber Size 1x1x1	nvation by ing 30 cm of excava I and neat 25	n in depth, 1 ted earth, lea ly dressed.A 1.600 tion cement All work up	means (Hyde 5 m in width ad up to 50 n ll kinds of so 1.600	raulic excava as well as 10 and lift up to il 1.500 otal Quantity	y in cum	16.000 16.000 1al means plan) disposed 96.000 96.000
	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Excavation valve Chamber Size 1x1x1 Total 4.1.3 Providing and layi of centering and sh	nvation by ing 30 cm of excava I and neat 25 ng in posi nuttering -	n in depth, 1 ted earth, lea ly dressed.A 1.600 tion cement All work up	means (Hyde 5 m in width ad up to 50 n ll kinds of so 1.600	raulic excava as well as 10 and lift up to il 1.500 otal Quantity	y in cum	16.000 16.000 1al means plan) disposed 96.000 96.000
	2.6.1 Earth work in excaover areas (exceed including disposal earth to be levelled Excavation valve Chamber Size 1x1x1 Total 4.1.3 Providing and layi of centering and sh (zone-III): 4 grade	nvation by ing 30 cm of excava I and neat 25 ng in posi nuttering -	n in depth, 1 ted earth, lea ly dressed.A 1.600 tion cement All work up	means (Hyde 5 m in width ad up to 50 n ll kinds of so 1.600	raulic excava as well as 10 and lift up to il 1.500 otal Quantity	y in cum	16.000 16.000 16.000 16.000 96.000 96.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Anchor Block	120	0.400	0.400	0.400		7.680
	Total						60.160
				To	tal Quantit	y in cum	60.160
2.065	5.1.2						
	Providing and layi excluding the cost to plinth level:1:1: nominal size	of centeri	ng, shuttering	g, finishing a	and reinforce	ment - Al	l work up
	RCC 1:1.5:3						
	Base slab 1X1X1	25	1.500	1.500	0.150		8.438
	Long wall 1X1X1	25	3.000	0.250	1.000		18.750
	short wall 1X1X1	25	2.000	0.250	1.000		12.500
	slab 1X1X1	25	1.500	1.500	0.250		14.063
	Total		- 4				53.751
			1610X	To	tal Quantit	y in cum	53.751
2.066	5.9.2			Target .			
	Centering and shutthickness) includir	ttering inc g attache	luding strutti d pilasters, bu	n <mark>g, e</mark> tc. and : <mark>atte</mark> resses, pl	removal of finth and stri	orm for: V	Valls (any s etc.
	Centering and sh	uttering	e-PLATFOR	M FOR THE M	ANAGEMENT		
	Side wall Outer 1x1x1	25	1.5*4	NORKS	1.000		150.000
	Side wall Inner 1x1x1	25	1*4		1.000		100.000
	Total						250.000
				To	tal Quantit	y in sqm	250.000
2.067	5.9.1						
	Centering and shut footings, bases of				removal of f	orm for:F	oundations,
	Centering and shut	tering					
	Anchor block	90	0.8*4		0.800		230.400
	Anchor block	120	0.4*4		0.400		76.800
	Cover slab side wall 1x1x1	25	1.5*4		0.250		37.500
	Total						344.700
				To	tal Quantit	y in sqm	344.700
2.068	5.22.6						
	Steel reinforcemer in position and bin bars of grade Fe-5	ding all c	omplete upto				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Reinforcement	-				-			
	For valve chamber	54				60.000 000	3240.000		
	Total						3240.000		
				Total (Quantity in l	kilogram	3240.000		
2.069	16.83								
	Taking out existing CC interlocking paver blocks from footpath/ central verincluding removal of rubbish etc., disposal of unserviceable material to the ground, for which payment shall be made separately and stacking of service material within 50 metre lead as per direction of Engineer-in-Charge.								
	Taking out Interlo	ck							
		1	1000.000	0.900			900.000		
	Total						900.000		
				To	otal Quantit	y in sqm	900.000		
2.070	16.84		- E						
	required line, leve compacted bed of the direction of Er department free of	coarse san	nd, filling the	joints with	fine sand etc	l all comp	lete as per		
	Laying Old Inter l	ock	e-PLATFOR	M FOR THE M	IANAGEMENT				
		1	1000.000	0.900		0.8000	720.000		
	Total						720.000		
				Te	otal Quantit	y in sqm	720.000		
2.071	16.68								
	Providing and laying 60 mm thick factory made cement concrete interlocking paver block of M - 30 grade made by block making machine with strong vibratory compaction, of approved size, design & Dampeter and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.								
	Laying New Inter	lock							
		1	1000.000	0.900		0.2000	180.000		
	Total						180.000		
				To	otal Quantit	y in sqm	180.000		
3	Providing FHTCs								
3.001	100.60.13.4.2		<u> </u>						

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Providing 15mm (AC / GI mains up Pipe, PE80, PN16, Compression / GN way wheel valve, etc. and connecting and refilling in all of average cross so fixing water meter complete including charges, including weather resistant F excluding charges the direction of the	to 125 mm, Conform, Conform, Parass sbend, MT g with the kinds of section 0.3 the cost of the cost of P / PE mm for cuttin	n dia., up to hing to IS 498 specials viz. Is A, FTA, cout mains, testing soil up to a dom x 0.75m for watching, proportion of tested Classeter box of mg the concret	a length of 5 34: 2016 or 1 orass ferrule, plers, GI / M ng the joints epth of 1.50r or laying con roviding cau e for tools, c as B Multijet ninimum size te / tarred / b	m using 20m ater edition a brass hexag IS Service Sa etc. completen for main linection pipe tion boards, sost of consurwater meter a 300mm x 20m ater edition at 20m of 20	am (1/2 in and PP PN on all nippl addle of sue including and service traffic commables and with ISI roomm x 1	ich) PE 16 e, GM full itable size g trenching and trench ce pipe, trol etc. d labour nark and 50mm, but	
	Upto 125mm GI(80mm)			Г	г		
	80 mm GI	224					224.000	
	Total		1	W1.			224.000	
			a iki	a de la composição de l	Total Quant	ity in no	224.000	
3.002	100.60.13.6.2		45					
	Providing 20mm (3/4 inch) house connection with 15mm water meter from existing AC / GI mains up to 125 mm dia., up to a length of 5 m using 25mm (3/4 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, GI / MS Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per							
		for cuttin	g the concret	te / tarred / b	200mm x 20	00mm x 1	nark and 50mm, but	
	excluding charges	for cuttin e departm	g the concret	te / tarred / b	200mm x 20	00mm x 1	nark and 50mm, but	
	excluding charges the direction of the	for cuttin e departm	g the concret	te / tarred / b	200mm x 20	00mm x 1	nark and 50mm, but	
	excluding charges the direction of the	for cutting departm	g the concret	te / tarred / b	200mm x 20	00mm x 1	nark and 50mm, but nd as per	
	excluding charges the direction of the Upto 125mm GI(8	for cutting departm	g the concret	te / tarred / b	200mm x 20	00mm x 1 ads etc, ar	nark and 50mm, but ad as per	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Providing 15mm (PVC / HDPE main PE Pipe, PE80, PN Compression / GM way wheel valve, land connecting wirefilling in all kind average cross sectiwater meter, lighticincluding cost of nincluding the cost resistant PP / PE mexcluding charges the direction of the	as up to 1 116, Conf 1 / Brass s bend, MT th the mails of soil us on 0.3m and ang, watch naterials, of tested one for cuttin	10 mm dia., forming to IS specials viz. A, FTA, couins, testing that to a depth x 0.75m for lang, providing, providing for tools Class B Multiof minimum g the concre	up to a length 4984: 2016 brass ferrule, plers, PVC S ne joints etc. of 1.50m for laying connecting caution bots, cost of contijet water me size 300mm te / tarred / b	or of 5m using or later edition brass hexago bervice Saddle complete incomplete incomplete incomplete and brands, traffic esumables and eter with ISI x 200mm x	g 20mm (on and PP onal nippl le of suital cluding tre racing and d service p control etc d labour cl mark and 150mm, b	1/2 inch) PN 16 le, GM full ble size etc. enching and trench of pipe, fixing c. complete harges, weather
	Upto 110mm H	DPE(90m	m,110mm)	T	Г		
		782					782.000
	Total		-4.9	W.			782.000
-			A 18		Total Quant	ity in no	782.000
3.004	100.60.13.3.2		1000	16250			
	Providing 20mm (PVC / HDPE mair PE Pipe, PE80, PN Compression / GM way wheel valve, land connecting wirefilling in all kind average cross sectiwater meter, lightiincluding cost of nicharges, including mark resistant PP excluding charges the direction of the	as up to 1 116, Conf 1 / Brass s bend, MT th the man ls of soil un ion 0.3 m ing, watch materials, the cost of PE mete for cutting	orming to IS specials viz. A, FTA, couins, testing that to a depth x 0.75m for laing, providing, providing frested Claser box of ming the concreental officers	up to a length 4984: 2016 brass ferrule, iplers, PVC Serie joints etc. of 1.50m for laying connecting caution both, cost of cons B Multijet imum size 30 te / tarred / b	or of 5m using or later edition brass hexago bervice Saddle complete incomplete incomplete incomplete and brands, traffic osumables and water meter a 200mm x	g 25mm (on and PP onal nippl le of suital cluding tre racing and d service p control etc d labour and weath mm x 150	3/4 inch) PN 16 le, GM full ble size etc. enching and trench of pipe, fixing c. complete her with ISI mm, but
	Upto 110mm H	DPE(90n	nm,110mm)	T		<u> </u>	
		1174					1174.000
	Total						1174.000
				ı	Total Quant	ity in no	1174.000
3.005	100.60.14.7.2						

	Specification	No	Length	Width	Depth	Cf	Quantity	
	Providing 15mm (mains from 150mr Pipe, PE80, PN16, Compression / GW way wheel valve, I testing the joints eto a depth of 1.50r 0.75m for laying cwatching, providir materials, hire for tested Class B Mu box of minimum sthe concrete / tarredepartmental offic	n to 200n, Conform I / Brass second, MT tc. completed for main connection and caution tools, cosel tijet water ize 300m and / bitum	am dia., up to ling to IS 490 specials viz. I A, FTA, cou ete including a line tracing a pipe and se boards, traff t of consuma or meter with m x 200mm	o a length of 84: 2016 or 1 brass ferrule, plers etc. and trenching arg and trench or vice pipe, fific control etables and laboration and x 150mm, but the state of the state	5 m using 20 ater edition a brass hexag d connecting nd refilling in of average craxing water m c. complete i our charges, d weather result excluding of	omm (1/2) and PP PN on all nippl with the rate all kinds oss section eter, light neluding dincluding sistant PP charges for the property of th	inch) PE 16 e, GM full mains, of soil up n 0.3m x ing, cost of the cost of / PE meter	
	CI mains from 15		200mm DI					
	CI mains	80					80.000	
	Total		J	Ter?\			80.000	
			TIK.		Total Quant	ity in no	80.000	
3.006	100.60.14.9.2		#F					
	mains from 150mm to 200mm dia., up to a length of 5 m using 25mm (3/4 inch) Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM way wheel valve, bend, MTA, FTA, couplers etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil to a depth of 1.50m for main line tracing and trench of average cross section 0.3m 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cotested Class B Multijet water meter with ISI mark and weather resistant PP / PE m box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the							
	way wheel valve, I testing the joints e to a depth of 1.50r 0.75m for laying c watching, providir materials, hire for tested Class B Mu box of minimum s the concrete / tarred departmental offic	bend, MT tc. comple in for main connection ing caution tools, cos ltijet wate ize 300m ed / bitum ers.	A, FTA, cou ete including a line tracing a pipe and se boards, traft t of consuma ar meter with m x 200mm inous roads of	brass ferrule, uplers etc. and trenching are and trench or rvice pipe, fific control et ables and laboration ISI mark and x 150mm, but the properties of the	brass hexag d connecting and refilling in of average cro xing water m c. complete i our charges, d weather result excluding	onal nippl with the rate all kinds oss section neter, light ncluding of including sistant PP charges fo	e, GM full mains, of soil up n 0.3m x ing, cost of the cost of / PE meter	
	way wheel valve, I testing the joints e to a depth of 1.50r 0.75m for laying c watching, providir materials, hire for tested Class B Mu box of minimum s the concrete / tarredepartmental offic CI mains from 1	bend, MT tc. comple in for main onnection ing caution tools, cos ltijet wate ize 300mm ed / bitum ers.	A, FTA, cou ete including a line tracing a pipe and se boards, traft t of consuma ar meter with m x 200mm inous roads of	brass ferrule, uplers etc. and trenching are and trench or rvice pipe, fific control et ables and laboration ISI mark and x 150mm, but the properties of the	brass hexag d connecting and refilling in of average cro xing water m c. complete i our charges, d weather result excluding	onal nippl with the rate all kinds oss section neter, light ncluding of including sistant PP charges fo	e, GM full mains, of soil up n 0.3m x sing, cost of the cost of / PE meter or cutting	
	way wheel valve, I testing the joints e to a depth of 1.50r 0.75m for laying c watching, providir materials, hire for tested Class B Mu box of minimum s the concrete / tarredepartmental offic CI mains from 1 CI mains	bend, MT tc. comple in for main connection ing caution tools, cos ltijet wate ize 300m ed / bitum ers.	A, FTA, cou ete including a line tracing a pipe and se boards, traft t of consuma ar meter with m x 200mm inous roads of	brass ferrule, uplers etc. and trenching are and trench or rvice pipe, fific control et ables and laboration ISI mark and x 150mm, but the properties of the	brass hexag d connecting and refilling in of average cro xing water m c. complete i our charges, d weather result excluding	onal nippl with the rate all kinds oss section neter, light ncluding of including sistant PP charges fo	e, GM full mains, of soil up n 0.3m x ing, cost of the cost of / PE meter or cutting	
	way wheel valve, I testing the joints e to a depth of 1.50r 0.75m for laying c watching, providir materials, hire for tested Class B Mu box of minimum s the concrete / tarredepartmental offic CI mains from 1	bend, MT tc. comple in for main onnection ing caution tools, cos ltijet wate ize 300mm ed / bitum ers.	A, FTA, cou ete including a line tracing a pipe and se boards, traft t of consuma ar meter with m x 200mm inous roads of	brass ferrule, plers etc. and trenching are and trench or rvice pipe, fific control etables and laboration ISI mark and x 150mm, butter, and as pe	brass hexag d connecting nd refilling in of average creating water m c. complete it our charges, d weather result excluding or the direction	onal nippl with the r all kinds oss section neter, light ncluding including sistant PP charges for on of the	e, GM full mains, of soil up n 0.3m x ing, cost of the cost of / PE meter or cutting	
3 007	way wheel valve, I testing the joints e to a depth of 1.50r 0.75m for laying c watching, providir materials, hire for tested Class B Mu box of minimum s the concrete / tarredepartmental offic CI mains from 1 CI mains Total	bend, MT tc. comple in for main onnection ing caution tools, cos ltijet wate ize 300mm ed / bitum ers.	A, FTA, cou ete including a line tracing a pipe and se boards, traft t of consuma ar meter with m x 200mm inous roads of	brass ferrule, plers etc. and trenching are and trench or rvice pipe, fific control etables and laboration ISI mark and x 150mm, butter, and as pe	brass hexag d connecting and refilling in of average cro xing water m c. complete i our charges, d weather result excluding	onal nippl with the r all kinds oss section neter, light ncluding including sistant PP charges for on of the	e, GM full mains, of soil up n 0.3m x ing, cost of the cost of / PE meter or cutting	
3.007	way wheel valve, I testing the joints e to a depth of 1.50r 0.75m for laying c watching, providir materials, hire for tested Class B Mu box of minimum s the concrete / tarredepartmental offic CI mains from 1 CI mains	bend, MT tc. comple n for main onnection ng caution tools, cos ltijet wate ize 300m ed / bitum ers. 50mm to 1/2 inch using 20m r edition a ables, hire	A, FTA, couete including a line tracing a pipe and se boards, traff t of consumar meter with m x 200mm inous roads of 200mm DI	brass ferrule, plers etc. and trenching arg and trench or vice pipe, fific control etables and laborated and the state of	brass hexagd connecting in drefilling in of average croxing water mc. complete it our charges, dweather result excluding for the direction. Total Quantater meter assets, PN16, on specials in the direction of t	onal nippl with the r all kinds oss section neter, light ncluding cincluding sistant PP charges for on of the sembly for Conformincluding c	e, GM full mains, of soil up n 0.3m x sing, cost of the cost of / PE meter or cutting 118.000 118.000 115 mm ing to IS ost of	
3.007	way wheel valve, I testing the joints e to a depth of 1.50r 0.75m for laying c watching, providir materials, hire for tested Class B Mu box of minimum s the concrete / tarredepartmental offic CI mains from 1 CI mains Total 100.60.21.1.1 Providing 15mm (water connection, 4984: 2016 or late materials, consumers)	bend, MT tc. comple n for main onnection ng caution tools, cos ltijet wate ize 300m ed / bitum ers. 50mm to 1/2 inch using 20m r edition a ables, hire	A, FTA, couete including a line tracing a pipe and se boards, traff t of consumar meter with m x 200mm inous roads of 200mm DI	brass ferrule, plers etc. and trenching arg and trench or vice pipe, fific control etables and laborated and the state of	brass hexagd connecting in drefilling in of average croxing water mc. complete it our charges, dweather result excluding for the direction. Total Quantater meter assets, PN16, on specials in the direction of t	onal nippl with the r all kinds oss section neter, light ncluding cincluding sistant PP charges for on of the sembly for Conformincluding c	e, GM full mains, of soil up n 0.3m x sing, cost of the cost of / PE meter or cutting 118.000 118.000 115mm ing to IS ost of	
3.007	way wheel valve, I testing the joints e to a depth of 1.50r 0.75m for laying c watching, providir materials, hire for tested Class B Mu box of minimum s the concrete / tarredepartmental offic CI mains from 1 CI mains Total Providing 15mm (water connection, 4984: 2016 or late materials, consumdirections of the decorate of the decor	bend, MT tc. comple n for main onnection ng caution tools, cos ltijet wate ize 300m ed / bitum ers. 50mm to 1/2 inch using 20m r edition a ables, hire	A, FTA, couete including a line tracing a pipe and se boards, traff t of consumar meter with m x 200mm inous roads of 200mm DI	brass ferrule, plers etc. and trenching arg and trench or vice pipe, fific control etables and laborated and the state of	brass hexagd connecting in drefilling in of average croxing water mc. complete it our charges, dweather result excluding for the direction. Total Quantater meter assets, PN16, on specials in the direction of t	onal nippl with the r all kinds oss section neter, light ncluding cincluding sistant PP charges for on of the sembly for Conformincluding c	e, GM full mains, of soil up n 0.3m x sing, cost of the cost of / PE meter or cutting 118.000 118.000 115mm ing to IS ost of	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
					Total Quant	ity in no	1086.000		
3.008	100.60.21.2.1								
	Providing 20mm (3/4 inch) GM Air Valve in the water meter assembly for 20mm water connection, using 25mm (3/4 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression specials including cost of materials, consumables, hire for tools and labour charges etc. complete and as per the directions of the department officers.								
	25mm Air valve								
		1628					1628.000		
	Total						1628.000		
				ı	Total Quant	ity in no	1628.000		
3.009	100.60.23.3.1								
	Providing 15mm F connection, using specials and PP PN hire charges for to departmental offic 20 mm PVC Tap	20mm (1, N 16 Com ols and la	/2 inch) Indi pression spec	ian Standard cials includir	uPVC Class ng cost of ma	6 pipes, u terials, co	PVC nsumables,		
	20 11111 / 6 141	1086		7			1086.000		
	Total	1000		TIL			1086.000		
			e-PLATFOR	M FOR THE M	Total Quant	ity in no	1086.000		
3.010	100.60.23.4.1		OF PUBLIC	WOODLOS.					
	Providing 15mm F connection, using specials and PP PN hire charges for to departmental offic	25mm (3, N 16 Com ols and la	/4 inch) Indi pression spec	ian Standard cials includir	Class 6 uPV ng cost of ma	C pipes, u terials, co	PVC nsumables,		
	25 mm PVC Tap					F			
		1628					1628.000		
	Total						1628.000		
				ı	Total Quant	ity in no	1628.000		
3.011	100.60.15.1.1								
	Providing addition PE80, PN16, Confitesting the joints ending the joints ending the average cross sectilighting, watching, materials, hire for excluding the cost directions of the defeated Additional Lenging	forming to tc., by trent ton 0.3m of providing tools, cost of cutting epartment	o IS 4984: 20 nehing and re x 0.75m for l g caution boot t of consuma g of concrete	16 or later edefilling in all aying of con ards, traffic calles and laboration	dition and PN kinds of soil nection pipe control etc., is our charges e	N16 special with tren and service neluding cete. comple	als and ch of ce pipe, cost of ete, but		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Additional Length 20mm Pipe (24m/Connection	1086	24.000				26064.00 0		
	Total						26064.00 0		
		in metre	26064.00 0						
3.012	100.60.15.2.1								
	Providing addition PE80, PN16, Conf testing the joints e average cross secti lighting, watching, materials, hire for excluding the cost directions of the de	forming to tc., by tre- tion 0.3m a providin tools, cos of cutting	o IS 4984: 20 nching and re x 0.75m for l g caution boat t of consuma g of concrete	16 or later edefilling in all aying of con ards, traffic calles and laboration	dition and PN kinds of soi nection pipe control etc., i our charges of	N 16 special with trenders and service of the control of the complete.	als and als and als of of ce pipe, cost of ete, but		
	Additional Length	1 25 mm I	Pipe			Т			
	Additional Length 25mm Pipe (48m/Connection	1628	48.000	A I C	ANAGEMENT		78144.00 0		
	Total						78144.00 0		
				Tot	al Quantity	in metre	78144.00 0		
3.013	15.2.1								
	Demolishing ceme material within 50 concrete 1:3:6 or r	metres le	ad as per dire	ection of Eng	gineer - in-Cl	cluding d harge.Nor	isposal of ninal		
	Demolishing cem	ent concre	ete						
		1	2500.000	0.300	0.150		112.500		
	Total						112.500		
_				To	otal Quantit	y in cum	112.500		
3.014	100.59.1	,		• • • • • • • • • • • • • • • • • • • •	1: 0		1 4 0		
	Cutting the bitumi 200mm along the any damage to oth and plant, cost of caution boards, tracomplete, before comechanical means	sides of predictions of process o	roposed align s, including to les and charge sion, and as put the demoli- ving out the e	nment of the he charges for lightinger the direct tion of bitunexcavation.	pipe to be la or hire and co ng, watching tion of depar- ninous / conc	id without onveyance , ribbon fe tmental of crete road	t causing to of tools encing, ficers etc. by		
	Cutting the bitum	inous / co	ncrete roads	with cutting	machine for	a minimu	m depth of		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	200mm							
		2	3000.000				6000.000	
	Total						6000.000	
				Tota	al Quantity	in metre	6000.000	
3.015	15.59				•	•		
	Dismantling of fle disposal of dismar Engineer-in-charg	ıtled mate						
	Dismantling man	ually / by	mechanical	I				
		1	6000.000	0.600	0.200		720.000	
	Total						720.000	
				To	tal Quantit	y in cum	720.000	
4	Road restoration c	harges PV	VD/SH/NH					
4.001	3.6		-63					
	Excavation for roa including cutting a accordance with rethe embankment le	and loadin equiremen	g in tippers, to tts of lines, gr	trimming bot rades and cro	ttom and side	e slopes, i	n	
	Excavation							
	Berm PWD	1	15000.00 0	0.500	0.200		1500.000	
	Berm SH/NH	1	11000.00 0	0.500	0.200		1100.000	
	CC Pavement PWD/NH	1	2000.000	0.600	0.350		420.000	
	Tar cut PWD	1	1400.000	0.600	0.500		420.000	
	Bitumen Cutting SH/NH	1	1000.000	0.600	0.500		300.000	
	Interlock	1	1000.000	0.900	0.200		180.000	
	Total						3920.000	
				To	tal Quantit	y in cum	3920.000	
4.002	4.2.A.1							
	4.2.A.1 Construction of granular sub-base by providing graded material, spreading in unif layers with a motor grader on a prepared surface, mixing by mix in-place method rotavator at OMC, and compacting with a vibratory roller to achieve the desired density, complete as per clause 401. Grading-III -For lower sub-base - Mix in Planethod							
	GSB							
	Berm PWD	1	15000.00	0.500	0.200		1500.000	
	Berm SH/NH	1	11000.00	0.500	0.200		1100.000	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	CC Pavement PWD/NH	1	2000.000	0.600	0.150		180.000	
	Tar cut PWD	1	1400.000	0.600	0.200		168.000	
	Bitumen Cutting SH/NH	1	1000.000	0.600	0.200		120.000	
	Interlock	1	1000.000	0.900	0.200		180.000	
	Total						3248.000	
	Total Quantity in cum							
4.003	4.12							
	Providing, laying, Macadam specific mechanical mix pl layers with paver i with vibratory roll WMM TAR CUT PWD BITUMEN	ation incluant carria, n sub- baser to achie	uding premix ge of mixed I se / base cour eve the desire	ing the Mate Material by the second well produced density.	rial with wat ipper to site, repared surfa	ter at OM laying in	C in uniform ompacting	
	CUTTING SH	1	1000.000	0.600	0.200		120.000	
							288.000	
	Total						200.000	
4.004		M	e-PLATFOR!	TO M FOR THE M	tal Quantity	y in cum	288.000	
4.004		ncluding c	ner coat with elearing of roa	bitumen em ad surface ar	alsion (SS)	on prepare	288.000 ed surface	
4.004	5.1.a Providing and app of granular Base in 0.70 - 1.0 kg/sqm	ncluding c	ner coat with elearing of roa	bitumen em ad surface ar	alsion (SS)	on prepare	288.000 ed surface he rate of	
4.004	5.1.a Providing and app of granular Base in 0.70 - 1.0 kg/sqm Primer coat	ncluding c using med	ner coat with clearing of roa chanical mear	bitumen em ad surface an as.	alsion (SS)	on prepare	288.000 ed surface he rate of 1400.000	
4.004	5.1.a Providing and app of granular Base in 0.70 - 1.0 kg/sqm Primer coat TAR CUT PWD BITUMEN	ncluding cusing med	ner coat with clearing of roa chanical mear	bitumen em ad surface ar as.	alsion (SS)	on prepare	288.000 ed surface he rate of 1400.000	
4.004	5.1.a Providing and app of granular Base in 0.70 - 1.0 kg/sqm Primer coat TAR CUT PWD BITUMEN CUTTING SH	ncluding cusing med	ner coat with clearing of roa chanical mear	bitumen emiad surface aris. 1.000 1.500	alsion (SS)	on prepare	288.000 ed surface he rate of 1400.000 1500.000	
4.004	5.1.a Providing and app of granular Base in 0.70 - 1.0 kg/sqm Primer coat TAR CUT PWD BITUMEN CUTTING SH Total	ncluding cusing med	ner coat with clearing of roa chanical mear	bitumen emiad surface aris. 1.000 1.500	alsion (SS) o	on prepare	288.000 ed surface he rate of 1400.000 1500.000 2900.000	
	5.1.a Providing and app of granular Base in 0.70 - 1.0 kg/sqm Primer coat TAR CUT PWD BITUMEN CUTTING SH Total	lying tack	ner coat with elearing of roachanical mear 1400.000 1000.000	bitumen emiad surface aris. 1.000 1.500 Total	ulsion (SS) of ad spraying potal Quantity	on prepare orimer at t	288.000 ed surface he rate of 1400.000 1500.000 2900.000 2900.000 on pressure	
	5.1.a Providing and app of granular Base in 0.70 - 1.0 kg/sqm Primer coat TAR CUT PWD BITUMEN CUTTING SH Total 5.2.b Providing and app distributor at the ra	lying tack	ner coat with elearing of roachanical mear 1400.000 1000.000	bitumen emiad surface aris. 1.000 1.500 Total	ulsion (SS) of ad spraying potal Quantity	on prepare orimer at t	288.000 ed surface he rate of 1400.000 1500.000 2900.000 2900.000 on pressure	
	5.1.a Providing and app of granular Base in 0.70 - 1.0 kg/sqm Primer coat TAR CUT PWD BITUMEN CUTTING SH Total 5.2.b Providing and app distributor at the racleaned with mech	lying tack	ner coat with elearing of roachanical mear 1400.000 1000.000	bitumen emiad surface aris. 1.000 1.500 Total	ulsion (SS) of ad spraying potal Quantity	on prepare orimer at t	288.000 ed surface he rate of 1400.000 1500.000 2900.000 2900.000 on pressure	
	5.1.a Providing and app of granular Base in 0.70 - 1.0 kg/sqm Primer coat TAR CUT PWD BITUMEN CUTTING SH Total 5.2.b Providing and app distributor at the racleaned with mech	lying tack ate of 0.25 aanical bro	ner coat with elearing of roachanical mear 1400.000 1000.000 coat with bit 5 - 0.30 kg per poom.	bitumen emilad surface aris. 1.000 1.500 To tumen emuls er sqm on the	ulsion (SS) of ad spraying potal Quantity	on prepare orimer at t	288.000 ed surface he rate of 1400.000 1500.000 2900.000 2900.000 on pressure arface	
	5.1.a Providing and app of granular Base in 0.70 - 1.0 kg/sqm Primer coat TAR CUT PWD BITUMEN CUTTING SH Total 5.2.b Providing and app distributor at the racleaned with mech	lying tack ate of 0.25 annical bro	ner coat with elearing of roachanical mear 1400.000 1000.000 1000.000 coat with bit 5 - 0.30 kg per pom.	bitumen emilad surface aris. 1.000 1.500 To tumen emulser sqm on the	ulsion (SS) of ad spraying potal Quantity	on prepare orimer at t	288.000 ed surface he rate of 1400.000 1500.000 2900.000 2900.000 on pressure arface 1400.000	
	5.1.a Providing and app of granular Base in 0.70 - 1.0 kg/sqm Primer coat TAR CUT PWD BITUMEN CUTTING SH Total 5.2.b Providing and app distributor at the racleaned with mech Tack coat Tar PWD SHTC cut	lying tack ate of 0.25 annical bro	ner coat with elearing of roachanical mear 1400.000 1000.000 1000.000 coat with bit 5 - 0.30 kg per pom.	bitumen emulad surface aris. 1.000 1.500 Total tumen emuls ar sqm on the s	ulsion (SS) of spraying potal Quantity	y in sqm ng emulsi	288.000 ed surface he rate of 1400.000 1500.000 2900.000 on pressure irface 1400.000 1500.000	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Providing and layi an average output premixed with a b previously prepare alignment and roll For Grading II - (1	of 75 tonr ituminous ed surface ed as per o	nes per hour to binder (VG) with paver fi clauses 501.6	using crushe 30), transport inisher to the	d aggregates rted to the sit required gra	of specifi e, laid ove ade, level,	ed grading er a and
	BM	Г				Γ	
	BM	1	1000.000	1.500	0.050		75.000
	Total				. 10		75.000
4.007				To	otal Quantit	y in cum	75.000
	Providing and app distributor at the ra cleaned with mech Tack coat	ate of 0.20) - 0.30 kg pe				
	BITUMEN CUTTING SH	1	1000.000	1.500			1500.000
	Total		23/1				1500.000
_							
				T	otal Quantit	y in sqm	1500.000
4.008	5.6.2.a Providing and layi			e with 80-10	00 TPH hot m	nix plant p	producing
4.008		of 75 tonr ituminous of mix to whe require and tandetion claus	nes per hour of binder(NRM work site, lay d grade, leve em rollers to	e with 80-10 using crushe MB) @ 5.4 p ing with a hyl, and alignmachieve the	00 TPH hot med aggregates bercent of mixydrostatic parent, rolling desired comp	nix plant p of specifi x and fille ver finishe with smoo	oroducing ed grading, r, er with oth per
4.008	Providing and layi an average output premixed with a b- transporting the ho sensor control to the wheeled, vibratory MORTH specifica	of 75 tonr ituminous of mix to whe require and tandetion claus	nes per hour of binder(NRM work site, lay d grade, leve em rollers to	e with 80-10 using crushe MB) @ 5.4 p ing with a hyl, and alignmachieve the	00 TPH hot med aggregates bercent of mixydrostatic parent, rolling desired comp	nix plant p of specifi x and fille ver finishe with smoo	oroducing ed grading, r, er with oth per
4.008	Providing and layi an average output premixed with a be transporting the ho sensor control to the wheeled, vibratory MORTH specifical mm Nominal Size	of 75 tonr ituminous of mix to whe require and tandetion claus	nes per hour of binder(NRM work site, lay d grade, leve em rollers to	e with 80-10 using crushe MB) @ 5.4 p ing with a hyl, and alignmachieve the	00 TPH hot med aggregates bercent of mixydrostatic parent, rolling desired comp	nix plant p of specifi x and fille ver finished with smoot paction as r Grading	oroducing ed grading, r, er with oth per - II (13.2
4.008	Providing and layi an average output premixed with a be transporting the ho sensor control to the wheeled, vibratory MORTH specifica mm Nominal Size	of 75 tonr ituminous of mix to whe require and tandetion claus	nes per hour i binder(NRM work site, lay d grade, leve em rollers to e No. 507 co	e with 80-10 using crushe MB) @ 5.4 ping with a hydrachieve the emplete in all	00 TPH hot med aggregates bercent of mixydrostatic parent, rolling desired completes For	nix plant p of specifi x and fille ver finished with smoot paction as r Grading	oroducing ed grading, r, er with oth per - II (13.2
4.008	Providing and layi an average output premixed with a b transporting the ho sensor control to the wheeled, vibratory MORTH specifica mm Nominal Size BC	of 75 tonr ituminous of mix to whe require and tandetion claus	nes per hour i binder(NRM work site, lay d grade, leve em rollers to e No. 507 co	e with 80-10 using crushe MB) @ 5.4 ping with a hydronic achieve the emplete in all 1.500	00 TPH hot med aggregates bercent of mixydrostatic parent, rolling desired completes For	nix plant p of specifi x and fille ver finished with smooth paction as r Grading	oroducing ed grading. r, er with oth per - II (13.2
4.008	Providing and layi an average output premixed with a bi transporting the ho sensor control to the wheeled, vibratory MORTH specifica mm Nominal Size BC BC	of 75 tonr ituminous of mix to whe require and tandetion claus	nes per hour i binder(NRM work site, lay d grade, leve em rollers to e No. 507 co	e with 80-10 using crushe MB) @ 5.4 ping with a hydronic achieve the emplete in all 1.500	00 TPH hot med aggregates be	nix plant p of specifi x and fille ver finished with smooth paction as r Grading	oroducing ed grading. r, er with oth per - II (13.2
	Providing and layi an average output premixed with a b transporting the hosensor control to the wheeled, vibratory MORTH specifica mm Nominal Size BC BC Total 5.7.1 Providing, laying a thickness compose grade bitumen (V course on a previo appropriate capaci	of 75 tonrituminous of mix to whe require and tandation claus) and rollinged of 11.2 G - 30) to ously prepaty not less	g of close-gramm to 0.09 the required base, inc. than 75 toni	e with 80-10 using crushe MB) @ 5.4 ping with a hydronic achieve the emplete in all added premix mm (Type-Aline, grade, cluding mixines/hour., lay	00 TPH hot med aggregates bercent of mixydrostatic parent, rolling desired completes For a complete of the com	nix plant p of specifi x and fille ver finished with smoot paction as r Grading y in cum terial of 2 using vise serve as we ble HMP coing with a	oroducing ed grading, r, er with oth per - II (13.2 45.000 45.000 45.000 20 mm cosity rearing of Smooth
	Providing and layi an average output premixed with a bit transporting the hosensor control to the wheeled, vibratory MORTH specifica mm Nominal Size BC Total 5.7.1 Providing, laying a thickness compose grade bitumen (V course on a previo appropriate capaci wheeled roller 8-1	of 75 tonrituminous of mix to whe require and tandetion claus) and rollinged of 11.2 G - 30) to susly preparty not less 0 tonne car	g of close-gramm to 0.09 the required base, inc. than 75 toni	e with 80-10 using crushe MB) @ 5.4 ping with a hydronic achieve the emplete in all added premix mm (Type-Aline, grade, cluding mixines/hour., lay	00 TPH hot med aggregates bercent of mixydrostatic parent, rolling desired completes For a complete of the com	nix plant p of specifi x and fille ver finished with smoot paction as r Grading y in cum terial of 2 using vise serve as we ble HMP coing with a	oroducing ed grading, r, er with oth per - II (13.2 45.000 45.000 45.000 20 mm cosity rearing of Smooth
	Providing and layi an average output premixed with a b transporting the hosensor control to the wheeled, vibratory MORTH specifica mm Nominal Size BC BC Total 5.7.1 Providing, laying a thickness compose grade bitumen (V course on a previo appropriate capaci	of 75 tonrituminous of mix to whe require and tandetion claus) and rollinged of 11.2 G - 30) to susly preparty not less 0 tonne car	g of close-gramm to 0.09 the required base, inc. than 75 toni	e with 80-10 using crushe MB) @ 5.4 ping with a hydronic achieve the emplete in all added premix mm (Type-Aline, grade, cluding mixines/hour., lay	00 TPH hot med aggregates bercent of mixydrostatic parent, rolling desired completes For a complete of the com	nix plant p of specifi x and fille ver finished with smoot paction as r Grading y in cum terial of 2 using vise serve as we ble HMP coing with a	oroducing ed grading, r, er with oth per - II (13.2 45.000 45.000 45.000 20 mm cosity rearing of Smooth
	Providing and layi an average output premixed with a betransporting the hosensor control to the wheeled, vibratory MORTH specifica mm Nominal Size BC BC Total 5.7.1 Providing, laying at thickness compose grade bitumen (V course on a previous appropriate capacitische wheeled roller 8-1 Close graded pre	of 75 tonrituminous of mix to whe require and tandation claus) and rollinged of 11.2 G - 30) to usly preparty not less 0 tonne care	g of close-gramm to 0.09 the required base, incompacity, and f	e with 80-10 using crushe MB) @ 5.4 ping with a hydronic achieve the emplete in all 1.500 To added premix mm (Type-Aline, grade, cluding mixines/hour., layinishing to the mixing to th	00 TPH hot med aggregates bercent of mixydrostatic parent, rolling desired completes For a complete of the com	nix plant p of specifi x and fille ver finished with smoot paction as r Grading y in cum terial of 2 using vise serve as we ble HMP coing with a	oroducing ed grading, r, er with oth per - II (13.2 45.000 45.000 45.000 20 mm cosity rearing of Smooth grade.

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
4.010	5.8.a			-	-	-				
	Providing and laying surface dressing as wearing course in single coat using crushed stone aggregates of specified size on a layer of bituminous binder (VG 30) laid on the prepared surface and rolling with 8-10 tonne smooth wheeled steel roller. Grading I - 19 mm nominal chipping size									
	Seal coat									
	TAR CUT PWD	1	1400.000	1.000			1400.000			
	Total			•			1400.000			
				To	otal Quantity	y in sqm	1400.000			
4.011	12.4				•	•				
	Plain cement conc 40 mm nominal siz vibration including	ze mechar	nically mixed							
	CC 40mm									
	CC SHOULDER PWD/SH	1	2000.000	0.500	0.100		100.000			
	Total						100.000			
				To	tal Quantity	y in cum	100.000			
4.012	12.8.B.1									
4.012	Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications PCC Grade M20 									
4.012	Plain/Reinforced (as per Dra	awing and			
4.012	Plain/Reinforced (as per Dra	awing and			
4.012	Plain/Reinforced (Technical Specific					as per Dra				
4.012	Plain/Reinforced C Technical Specific Wearing Coat CC SHOULDER	cations &l	t;br> PCC	C Grade M20	 	as per Dra	50.000			
4.012	Plain/Reinforced C Technical Specific Wearing Coat CC SHOULDER PWD/SH	cations &l	t;br> PCC	0.500	 	-	50.000 50.00 0			
	Plain/Reinforced C Technical Specific Wearing Coat CC SHOULDER PWD/SH	eations &l	2000.000	0.500	 	-	50.000 50.00 0			
5	Plain/Reinforced (Technical Specific Wearing Coat CC SHOULDER PWD/SH Total	eations &l	2000.000	0.500	 	-	50.000 50.000			
5	Plain/Reinforced (Technical Specific Wearing Coat CC SHOULDER PWD/SH Total Road restoration c	harges LS using Hy tion for recluding curce with reembankn	draulic Excapadwork in seatting and loaequirements nent location	vator and Tipoil with hydrading in tippe of lines, grad with a lift up	 0.050 otal Quantity opers with diaulic excava ers, trimming les and cross	y in cum sposal up tor of 0.9 bottom a sections,	50.000 50.000 to 1000 m cum nd side and			
5	Plain/Reinforced C Technical Specific Wearing Coat CC SHOULDER PWD/SH Total Road restoration c 3.5.3 Excavation in Soil Excavation in Soil Excavation in Soil accordant transporting to the	harges LS using Hy tion for recluding curce with reembankn	draulic Excapadwork in seatting and loaequirements nent location	vator and Tipoil with hydrading in tippe of lines, grad with a lift up	 0.050 otal Quantity opers with diaulic excava ers, trimming les and cross	y in cum sposal up tor of 0.9 bottom a sections,	50.000 50.000 to 1000 m cum nd side and			
5	Plain/Reinforced (Technical Specific Wearing Coat CC SHOULDER PWD/SH Total Road restoration c 3.5.3 Excavation in Soil Excavation in Soil Excavation in Soil capacity in slopes, in accordar transporting to the as per Technical S	harges LS using Hy tion for recluding curce with reembankn	draulic Excapadwork in seatting and loaequirements nent location	vator and Tipoil with hydrading in tippe of lines, grad with a lift up	 0.050 otal Quantity opers with diaulic excava ers, trimming les and cross	y in cum sposal up tor of 0.9 bottom a sections,	50.000 50.000 to 1000 m cum nd side and o 1000 m			
5	Plain/Reinforced (Technical Specific Wearing Coat CC SHOULDER PWD/SH Total Road restoration c 3.5.3 Excavation in Soil Excavation characteristics in accordant transporting to the as per Technical S Excavation	harges LS using Hy ation for re cluding cu ce with re embankn pecification	2000.000 draulic Excapadwork in sutting and loaequirements nent location on Clause 30	vator and Tipoil with hydrading in tipped with a lift up 2.3	one of the control of	y in cum sposal up tor of 0.9 bottom a sections,	50.000 50.000 to 1000 m cum nd side and o 1000 m			
5	Plain/Reinforced C Technical Specific Wearing Coat CC SHOULDER PWD/SH Total Road restoration c 3.5.3 Excavation in Soil Excaval bucket capacity in slopes, in accordar transporting to the as per Technical S Excavation Tar Road For Concrete	harges LS using Hy tion for re cluding cu nce with re embankn pecification	2000.000 draulic Excapadwork in softting and loaequirements nent location on Clause 30 3000.000	vator and Tipoil with hydrading in tippe of lines, grad with a lift up 2.3	one of the content of	y in cum sposal up tor of 0.9 bottom a sections,	50.000 50.000 to 1000 m cum nd side and			

	Specification	No	Length	Width	Depth	Cf	Quantity
	Granular Sub-base Place Method < material, spreading by mix in place more roller to achieve the 401. (i)	br> Cog in unifor ethod with the desired	onstruction of rm layers with rotavator at density, com	f granular such motor grade OMC, and complete as per	b-base by proler on prepare compacting v	oviding wed surface with smooth	ell graded e, mixing th wheel
	GSB	,				· · · · · · · · · · · · · · · · · · ·	
	Tar Road	1	3000.000	0.600	0.200		360.000
	For Concrete Road	1	2500.000	0.600	0.200		300.000
	Total						660.000
				To	tal Quantit	y in cum	660.000
5.003	4.9						
	Wet Mix Macadam stone aggregate to with water at OMO tipper to site, layin base and compacti desired density inc Tables 400.11 &ar Mechanical Means	wet mix in meching in uniform with significant with significant with significant with the sig	macadam spe anical mixer orm layers in mooth wheel thting, barrice 2 and Techni	ecification in (Pug Mill), c sub-base/bas roller of 80 ading and ma	cluding premearriage of mose course on to 100kN we aintenance or	nixing the nixed mate a well pre- night to act f diversion	material crial by pared sub- hieve the n, etc as per
	WMM		-0.0				
	For tar Road	1	3000.000	0.600	0.200		360.000
	Total						360.000
				Tr.			
				10	tal Quantit	y in cum	360.000
5.004	5.1.1a Prime Coat :- Low bitumen emulsion road surface and s means as per Tech	(SS-1) on oraying pr	prepared sur	roviding and rface of gran ate of 0.70-1	applying pr	imer coat luding cle	with eaning of
5.004	5.1.1a Prime Coat :- Low bitumen emulsion road surface and s	(SS-1) on oraying pr	prepared sur rimer at the ra cification Cla	roviding and rface of gran ate of 0.70-1	applying pr	imer coat luding cle	with eaning of
5.004	5.1.1a Prime Coat :- Low bitumen emulsion road surface and symeans as per Tech prime coat For tar Road	(SS-1) on oraying pr	prepared sur	roviding and rface of gran ate of 0.70-1	applying pr	imer coat luding cle	with caning of anical
5.004	5.1.1a Prime Coat :- Low bitumen emulsion road surface and symeans as per Tech prime coat	(SS-1) on praying pr nical Spe	prepared sur rimer at the ra cification Cla	roviding and rface of gran ate of 0.70-1 ause 502	applying pr	imer coat luding cle	with caning of anical 3000.000 3000.000
	5.1.1a Prime Coat :- Low bitumen emulsion road surface and symeans as per Tech prime coat For tar Road	(SS-1) on praying pr nical Spe	prepared sur rimer at the ra cification Cla	roviding and rface of gran ate of 0.70-1 ause 502	applying pr	imer coat luding cle ing mech	with caning of anical
	5.1.1a Prime Coat :- Low bitumen emulsion road surface and symeans as per Tech prime coat For tar Road Total 5.2.3a Tack Coat <br& disgranular="" emulsion="" surfaces="" t<="" td="" using=""><td>(SS-1) on praying prinical Special 1 2gt;Providential of the principle of</td><td>prepared surimer at the recification Classification Classification</td><td>roviding and rface of gran ate of 0.70-1 ause 502 1.000 To ying tack coa 0.25 to 0.30 k</td><td>applying prular base inc .0 kg/sqm us otal Quantit at with Bitun</td><td>imer coat luding cle ing mechang y in sqm</td><td>with eaning of anical 3000.000 3000.000 3000.000 ion (RS-1) ared</td></br&>	(SS-1) on praying prinical Special 1 2gt;Providential of the principle of	prepared surimer at the recification Classification	roviding and rface of gran ate of 0.70-1 ause 502 1.000 To ying tack coa 0.25 to 0.30 k	applying prular base inc .0 kg/sqm us otal Quantit at with Bitun	imer coat luding cle ing mechang y in sqm	with eaning of anical 3000.000 3000.000 3000.000 ion (RS-1) ared
	5.1.1a Prime Coat :- Low bitumen emulsion road surface and symeans as per Tech prime coat For tar Road Total 5.2.3a Tack Coat <br&using dis<="" emulsion="" td=""><td>(SS-1) on praying prinical Special 1 2gt;Providential of the principle of</td><td>prepared surimer at the recification Classification Classification</td><td>roviding and rface of gran ate of 0.70-1 ause 502 1.000 To ying tack coa 0.25 to 0.30 k</td><td>applying prular base inc .0 kg/sqm us otal Quantit at with Bitun</td><td>imer coat luding cle ing mechang y in sqm</td><td>with eaning of anical 3000.000 3000.000 3000.000 ion (RS-1) ared</td></br&using>	(SS-1) on praying prinical Special 1 2gt;Providential of the principle of	prepared surimer at the recification Classification	roviding and rface of gran ate of 0.70-1 ause 502 1.000 To ying tack coa 0.25 to 0.30 k	applying prular base inc .0 kg/sqm us otal Quantit at with Bitun	imer coat luding cle ing mechang y in sqm	with eaning of anical 3000.000 3000.000 3000.000 ion (RS-1) ared
	5.1.1a Prime Coat :- Low bitumen emulsion road surface and symeans as per Tech prime coat For tar Road Total 5.2.3a Tack Coat <br&using disgranular="" emulsion="" specific<="" surfaces="" td="" technical="" to=""><td>(SS-1) on praying prinical Special 1 2gt;Providential of the principle of</td><td>prepared surimer at the recification Classification Classification</td><td>roviding and rface of gran ate of 0.70-1 ause 502 1.000 To ying tack coa 0.25 to 0.30 k</td><td>applying prular base inc .0 kg/sqm us otal Quantit at with Bitun</td><td>imer coat luding cle ing mechang y in sqm</td><td>with eaning of anical 3000.000 3000.000 3000.000 ion (RS-1) ared</td></br&using>	(SS-1) on praying prinical Special 1 2gt;Providential of the principle of	prepared surimer at the recification Classification	roviding and rface of gran ate of 0.70-1 ause 502 1.000 To ying tack coa 0.25 to 0.30 k	applying prular base inc .0 kg/sqm us otal Quantit at with Bitun	imer coat luding cle ing mechang y in sqm	with eaning of anical 3000.000 3000.000 3000.000 ion (RS-1) ared

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
				T	otal Quantit	y in sqm	3000.000		
5.006	5.9.1.2a								
	20mm thick Open-Graded Premix Carpet using Bituminous (penetration grade/modified bitumen) Binder - Bitumen S-65 Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5. mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static rolle capacity, finished to required level and grades to be followed by seal coat of either Type A or Type B or Type C as per Technical Specification Clause 508. Case - I By Manual Means (II) Bitumen (S-65)								
	OGPC								
		1	3000.000	1.000			3000.000		
	Total						3000.000		
				T	otal Quantit	y in sqm	3000.000		
5.007	5.12.A.3.2a		- B						
	Seal Coat - Manua seal coat sealing th and cross fall using 510 A. 65)	ne voids in g Type A,	n a bituminou Type B an <mark>d</mark>	us surface lai Type C as p	d to the spec er Technical	ified leve Specifica	ls, grade tion Clause		
	Seal coat		e-PLATFOR	M FOR THE M	IANAGEMENT				
	For tar road	1	3000.000	1.000			3000.000		
	Total						3000.000		
				T	otal Quantit	y in sqm	3000.000		
5.008	11.4.3.1								
	Providing concrete drawings and tech 1203 III	nical spec	ifications Cl	ause 802, 80	3, 1202 &am		ete as per		
	cement concrete								
	for concrete Road	1	2500.000	0.600	0.150		225.000		
	Total						225.000		
				Te	otal Quantit	y in cum	225.000		