

KERALA WATER AUTHORITY, PH CIRCLE, THRISSUR

Work Name: AJM - 2021-22 - Midlevel Grama panchayath (Phase II) - Providing FRTCs to Rural house holds by Augmentation of existing WSS

ACCEPTED SCHEDULE

Sl. No.	Item Description	Quantity	Units	Estimated Rate		TOTAL AMOUNT
				Figures	words	
1	Providing distribution mains & network (Cost of materials)					
1.001	Supply of 12.43 Pipe Conforming to IS 8329/2002, 400mm Dia.	12,500	meters	4500.000	Four Thousand Six Hundred & Fifty Only	134250.00
1.002	Supply of 12.43 Pipe Conforming to IS 8329/2002, 300mm Dia.	42,150	meters	7440.000	Seventy Four Thousand Four Hundred & Forty Only	3137400.00
1.003	Supply of 12.43 Pipe Conforming to IS 8329/2002, 200mm Dia.	274,300	meters	4785.100	Four Thousand Seven Hundred & Sixty Only	3982443.00
1.004	Supply of 12.43 Pipe Conforming to IS 8329/2002, 200mm Dia.	124,500	meters	2060.000	Two Thousand Six Hundred Only	801900.00
1.005	Supply of 12.43 Pipe Conforming to IS 8329/2002, 200mm Dia.	50,300	meters	3725.000	Three Thousand Seven Hundred & Twenty Five Only	1444275.00
1.006	Supplying concrete Target 450 mm dia. 18 Kg size	6,000	meters	1177.500	Eleven Thousand One Hundred & Seventy Only	528450.00
1.007	Supplying concrete Target 400 mm dia. 18 Kg size	15,000	meters	1290.000	Twelve Thousand Nine Hundred & Fifty Only	19350.00
1.008	Supplying concrete Target 300 mm dia. 18 Kg size	33,800	meters	6566.100	Six Thousand Five Hundred & Sixty Only	144882.00
1.009	Supplying concrete Target 250mm dia. 18 Kg size	20,000	meters	1180.000	Eleven Thousand One Hundred Only	139000.00
1.010	Supplying concrete Target 200 mm dia. 18 Kg size	20,100	meters	3390.000	Three Thousand Three Hundred & Ninety Only	107780.00
1.011	Supply of PE Pipe PE 100, PPR 100mm dia. conforming to IS 4884/2016.	2786,000	meters	220.100	Two Hundred & Twenty Only	2828900.00
1.012	Supply of PE Pipe PE 100, PPR 100mm dia. conforming to IS 4884/2016.	2103,200	meters	750.000	Seven Hundred & Fifty Five Only	1597260.00
1.013	Supply of PE Pipe PE 100, PPR 150mm dia. conforming to IS 4884/2016.	264,000	meters	587.000	Five Hundred & Eighty Seven Only	201984.00
1.014	Supply of PE Pipe PE 100, PPR 175mm dia. conforming to IS 4884/2016.	3301,000	meters	460.100	Four Hundred & Sixty Only	1540094.00
1.015	Supply of PE Pipe PE 100, PPR 150mm dia. conforming to IS 4884/2016.	750,000	meters	422.800	Four Hundred & Twenty Two Only	287952.00

1.016	Supply of PE Pipe, 61103, Pvc 110mm dia, conforming to IS 4884:2016	30677.000	male	349.000	INR Three Hundred & Forty Six Only	12758442.00
1.017	Supply of uPVC Pipe, IS 4885: 2000, 100gsm, 15mm Dia.	268.000	male	268.000	INR Two Hundred & Sixty Eight Only	71424.00
1.018	Supply of uPVC Pipe, IS 4885: 2000, 60gsm, 15mm Dia.	7680.000	male	520.000	INR Two Hundred & Thirty Only	1893400.00
1.019	Supply of uPVC Pipe, IS 4885: 2000, 60gsm, 15mm Dia.	1525.000	male	17.200	INR One Hundred & Seventy Two Only	262300.00
1.02	Supply of uPVC Pipe, IS 4885: 2000, 100gsm, 15mm Dia.	130.000	male	151.000	INR One Hundred & Fifty One Only	28950.00
1.021	Supply of uPVC Pipe, IS 4885: 2000, 60gsm, 15mm Dia.	2481.200	male	400.000	INR One Hundred & Sixty Only	384560.00
1.022	Supply of uPVC Pipe, IS 4884: 2008, 60gsm, 20mm Dia.	186.000	male	122.000	INR One Hundred & Twenty Two Only	20282.00
1.023	Supply of uPVC Pipe, IS 4885: 2000, 100gsm, 30mm Dia.	22.000	male	121.000	INR One Hundred & Twenty One Only	2662.00
1.024	Supply of uPVC Pipe, IS 4885: 2008, 60gsm, 50mm Dia.	423.000	male	106.000	INR One Hundred & Five Only	44416.00
1.025	Supply of uPVC Pipe, IS 4883: 2000, 60gsm, 50mm Dia.	10000.000	male	77.000	INR Seventy Seven Only	77000.00
1.026	Cost of PVC material	1.000	male	99700.000	INR Ninety Eight Thousand Seven Hundred Only	88700.00
1.027	Cost of PE material including PE Coupler	1.000	male	260000.000	INR Seven Lakh Fifty Thousand Only	760000.00
1.028	Supply of Chlor Value, Conforming to IS 14848 - 2008, Single Check, Small Office Type B1, Size 50mm.	30.000	male	6180	INR Six Thousand One Hundred & Ninety Only	185700.00
1.029	Supply of Chlor Value, Conforming to IS 14848 - 2008, Double Office Type B2, Size 50mm.	1.000	male	8740.000	INR Eight Thousand Seven Hundred & Forty Only	8740.00
1.030	Supply of Chlor Value, Conforming to IS 14848 - 2008, Double Office Type B3, Size 50mm.	1.000	male	120000.000	INR One Lakh Twenty Thousand Only	120000.00
1.031	Supply of Chlor Value, Conforming to IS 14848 - 2008, Double Office Type B4, Size 50mm.	1.000	male	124000.000	INR One Lakh Four Thousand Only	124000.00
1.032	Supply of Chlor Value, Conforming to IS 14848 - 2008, Double Office Type B5, Size 50mm.	2.000	male	47000.000	INR Forty Seven Thousand Only	85000.00
1.033	Supply of Chlor Value, Conforming to IS 14848 - 2008, Double Office Type B6, Size 50mm.	6.000	male	27750.000	INR Twenty Seven Thousand Seven Hundred & Fifty Only	24400.00
1.034	Supply of Chlor Value, Conforming to IS 14848 - 2008, Double Office Type B7, Size 50mm.	6.000	male	26000.000	INR Twenty Six Thousand Only	130000.00

2.015	Supply of GI Double Flanged Sluice Valve conforming to IS 14846 - 2018, Sluice Valve with Cap FN 1.0, Size 150mm.	41600/No	12,00,000	INR Fourteen Thousand Seven Hundred Only	58800.00
2.016	Supply of GI Double Flanged Sluice Valve conforming to IS 14840 - 2010, Sluice Valve with Cap FN 1.0, Size 125mm.	41000/No	12,70,000	INR Twelve Thousand One Hundred & Seventy Only	48800.00
2.017	Supply of GI Double Flanged Sluice Valve conforming to IS 14840 - 2010, Sluice Valve with Cap FN 1.0, Size 100mm.	41000/No	3500,000	INR Three Thousand Five Hundred Only	59000.00
2.018	Supply of GI Double Flanged Sluice Valve conforming to IS 14846 - 2018, Sluice Valve with Cap FN 1.0, Size 80mm.	30100/No	7200,000	INR Seven Thousand Two Hundred & Eighty Only	21600.00
2	Working Charges				
2.001	Excavating trenches or require width for pipes, cables, etc including excavation for sockets, and dressing of sides, watering of bottom, depth up to 1.5 m including putting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including conical/gravel deposited layer by watering, watering, etc. and disposing or surplus excavated soil as directed, within a haul of 50 m. (X) for 600 sqm.	413,489/sqm	610,000	INR Six Hundred & Ten Only	250982.00
2.002	Excavating trenches or required width for pipes, cables, etc including excavation for sockets, and dressing of sides, watering of bottom, depth up to 1.5 m including putting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including conical/gravel deposited layer by watering, watering, etc. and disposing or surplus excavated soil as directed, within a haul of 50 m. (Y) for 600 sqm.	23320,100/cum	885,500	INR Eight Hundred & Eighty Five Only	2084158.50
2.003	Excavation work by mechanical means (hydraulic excavator) / manual means in foundation trenches or drains for ascending 1.5 m in width or 10 m ² or plan, including raising of sides and leveling of bottom, fill up to 1.5 m, including putting out the excavated soil and disposal of surplus excavated soil as directed, within a haul of 50 m. (Mechan) (X) for 600 sqm.	413,251/cum	1180,000	INR One Thousand One Hundred & Sixty Only	488301.18
2.004	Excavating trenches or require width for pipes, cables, etc including excavation for sockets, and dressing of sides, watering of bottom, depth up to 1.5 m, including putting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including conical/gravel deposited layer by watering, watering, etc. and disposing of surplus excavated soil as directed, within a haul of 50 m. (Hand) for 600 sqm.	28,610/sqm	1710,000	INR One Thousand Seven Hundred & Ten Only	45513.08
2.005	Cutting the columns / concrete roads with cutting machine for a minimum depth of 200mm along the area of proposed alignment of the pipe to be laid without causing any damage to other utilities, including the charges for this and conveyance of tools and plant, cost of consumables and charges for lighting, welding, ribbon drawing, machine source, traffic diversion, and as per the direction of department officers etc. complete, before carrying out the demolition of structures / concrete road by mechanical means and carrying out the excavation.	9841,610/cum	42,500	INR Forty Two Only	2064172.00
2.006	Overseeing manually / by mechanical means including stacking of excavated material and disposal of unacceptable material within 50 meters haul as per direction of Engineer-in-Charge/Stationhouse In-charge	16095,402/sqm	384,000	INR Three Hundred & Eighty Four Only	6361112.00
2.007	Fetching one end of trenches, 1.50 m width with two rows of 10 cm plastic caution tape in vertical caissons pole (30th 1.5m to 24cm) base at 2 m intervals.	26210,000/metre	30,500	INR Thirty Only	750998.00
2.008	Conveying and laying S&S Centrifugally Cast (Spun) / Double Iron Pipes conforming to IS: 8329 including cost of pipes and sockets : 450 mm dia Double Iron Class K1 9 Pipes	15,035/metre	422,000	INR Four Hundred & Twenty Two Only	6330.00
2.009	Conveying and laying S&S Centrifugally Cast (Spun) / Double Iron Pipes conforming to IS: 8329 excluding cost of pipes and sockets : 400 mm dia Double Iron Class K1 9 Pipes	443,030/metre	358,100	INR Three Hundred & Fifty Eight Only	158394.85
2.01	Conveying and laying S&S Centrifugally Cast (Spun) / Double Iron Pipes conforming to IS: 8329 including cost of pipes and sockets : 300 mm dia Double Iron Class K1 2 Pipes	738,030/metre	225,000	INR Two Hundred & Twenty Five Only	179358.00
2.011	Conveying and laying S&S Centrifugally Cast (Spun) / Double Iron Pipes conforming to IS: 8329 including cost of pipes and sockets : 250 mm dia Double Iron Class K1 9 Pipes	1311,000/metre	175,000	INR One Hundred & Seventy Five Only	204584.00
2.012	Conveying and laying S&S Centrifugally Cast (Spun) / Double Iron Pipes conforming to IS: 8329 including cost of pipes and sockets : 200 mm dia Double Iron Class K1 9 Pipes	5588,000/metre	133,000	INR One Hundred & Thirty Three Only	814784.00
2.013	Conveying and laying Double Flanged (Forward / Weir) Centrifugally (Spun) Double Iron Pipes or Class K-1 conforming to IS: 8120-K-1 conforming to IS: 8328 including cost of pipe and spigots : 200 mm dia Double Iron Double Flange*	20,100/metre	190,500	INR One Hundred & Fifty Only	4466.00



2014	Conveying and laying Double Flange (Surrey) / Welded Corrugated (Open) Double Iron Pipes of Class K-4 conforming to IS: 8029-K-4 conforming to IS: 8029 including cost of pipe and special: 250 mm dia Double Iron Double Flange	20,000 meters	215,000.00	Two Hundred & Fifteen Only	840.00
2015	Conveying and laying Double Flange (Surrey) / Welded Corrugated (Open) Double Iron Pipes of Class K-4 conforming to IS: 8029-K-4 conforming to IS: 8029 including cost of pipe and special: 250 mm dia Double Iron Double Flange	16,000 meters	276,000.00	Two Hundred & Sixty Eight Only	830.00
2016	Conveying and laying Double Flange (Surrey) / Welded Corrugated (Open) Double Iron Pipes of Class K-4 conforming to IS: 8029-K-4 conforming to IS: 8029 including cost of pipe and special: 400 mm dia Double Iron Double Flange	15,000 meters	400,000.00	Four Hundred Only	666.67
2017	Conveying and laying Double Flange (Surrey) / Welded Corrugated (Open) Double Iron Pipes of Class K-4 conforming to IS: 8029-K-4 conforming to IS: 8029 including cost of pipe and special: 400 mm dia Double Iron Double Flange	5,000 meters	475,000.00	Five Hundred & Seventy Five Only	3075.00
2018	Conveying and laying Double Flange (Surrey) / Welded Corrugated (Open) Double Iron Pipes of Class K-4 conforming to IS: 8029-K-4 conforming to IS: 8029 including cost of pipe and special: 400 mm dia Double Iron Double Flange	116,821 meters	2200,000.00	Two Thousand Two Hundred & Twenty One Only	25810.00
2019	Laying HDPE pipe IS : 4480 for land portion including conveying when not laid and aligning the pipe, electrofusion welding using automatic or semi automatic electrofusion machine, testing the pipe line that is excavated to suit the hydraulic working pressure and after testing aligning the pipe, lowering the pipe in position with the trench already made, testing the line to suitable pressure with pressure water before back filling and leveling the trenches including all labour charge for the application etc. complete but including cost of pipe and flange: 150 mm OD HDPE pipe	2129,500 meters	225,000.00	Two Hundred & Twenty Five Only	48915.00
2020	Laying HDPE pipe IS : 4480 for land portion including conveying when not laid and aligning the pipe, electrofusion welding using automatic or semi automatic electrofusion machine, testing the pipe line that is excavated to suit the hydraulic working pressure and after testing aligning the pipe, lowering the pipe in position with the trench already made, testing the line to suitable pressure with pressure water before back filling and leveling the trenches including all labour charge for the application etc. complete but including cost of pipe and flange: 150 mm OD HDPE pipe	2754,000 meters	280,000.00	Two Hundred & Ninety Only	60324.00
2021	Laying HDPE pipe IS : 4480 for land portion including conveying when not laid and aligning the pipe, electrofusion welding using automatic or semi automatic electrofusion machine, testing the pipe line that is excavated to suit the hydraulic working pressure and after testing aligning the pipe, lowering the pipe in position with the trench already made, testing the line to suitable pressure with pressure water before back filling and leveling the trenches including all labour charge for the application etc. complete but including cost of pipe and flange: 150 mm OD HDPE pipe	2129,500 meters	540,000.00	Five Hundred & Forty One Only	60468.00
2022	Laying HDPE pipe IS : 4480 for land portion including conveying when not laid and aligning the pipe, electrofusion welding using automatic or semi automatic electrofusion machine, testing the pipe line that is excavated to suit the hydraulic working pressure and after testing aligning the pipe, lowering the pipe in position with the trench already made, testing the line to suitable pressure with pressure water before back filling and leveling the trenches including all labour charge for the application etc. complete but including cost of pipe and flange: 150 mm OD HDPE pipe	30561,000 meters	107,000.00	One Hundred & Thirty Seven Only	514687.40
2023	Laying UPVC pipe of class 2 to class 8 and special, lowering to the trenches already made, placing in position aligning the pipe line to the base and levels and joining the pipe and specials with solvent cement and testing the pipe line with water to the required test pressure. (including cost of pipes and specials) 50 mm nominal dia pipe.	97,70,000 meters	55,000.00	Ninety Five Thousand Only	60430.00
2024	Laying UPVC pipe of class 2 to class 8 and special, lowering to the trenches already made, placing in position aligning the pipe line to the base and levels and joining the pipe and specials with solvent cement and testing the pipe line with water to the required test pressure. (including cost of pipes and specials) 50 mm nominal dia pipe.	3897,000 meters	50,000.00	Forty Nine Thousand Five Only	25000.00
2025	Laying UPVC pipe of class 2 to class 8 and special, lowering to the trenches already made, placing in position aligning the pipe line to the base and levels and joining the pipe and specials with solvent cement and testing the pipe line with water to the required test pressure. (including cost of pipes and specials) 50 mm nominal dia pipe.	1944,000 meters	51,000.00	Fifty One Only	53980.00
2026	Supplying, conveying and laying GI Pipe with GI Flange - including cost of pipe - nominal work: 150mm dia nominal size B class ISI marked pipe	70,000 meters	2000,000.00	Two Thousand Hundred Only	50730.00
2027	Providing and laying GI pipe complete with GI flange including trenching and laying etc. External work: 150mm dia nominal size	1,52,160 meters	7000,000.00	Seven Thousand Two Hundred Only	30000.00
2028	Providing and laying GI pipe complete with GI flange including trenching and laying etc. External work: 150mm dia nominal size	149,000 meters	130,000.00	One Hundred & Thirty Thousand Seven Hundred & Thirty Only	311400.00
2029	Providing and laying GI pipe complete with GI flange including trenching and laying etc. External work: 150mm dia nominal size	70,000 meters	1,50,000.00	One Hundred & Fifty Thousand One Hundred & Thirty Only	40000.00
2030	Providing and laying GI pipe complete with GI flange including trenching and laying etc. External work: 150mm dia nominal size	70,000 meters	450,000.00	Four Hundred & Fifty Only	40000.00
2031	Providing and laying GI pipe complete with GI flange including trenching and laying etc. External work: 150mm dia nominal size	70,000 meters	7000,000.00	Seven Thousand Only	50730.00

2.032	Providing and fitting D.I. pipes complete with all fittings including threading and setting etc. External world nominal bore	150.000/metre	600.000	100 Six Hundred & Twenty Three Only	49500.00
2.033	Labour for cutting D.I. pipe with steel saw 400-450 mm diameter D.I. pipe	2.000/each cut	1550.000	1550.000/100 One Thousand & Fifty Only	31000.00
2.034	Labour for cutting D.I. pipe with steel saw 400-450 mm diameter D.I. pipe	15.000/each cut	345.000	345.000/23 One Three Hundred & Forty Five Only	8482.50
2.035	Labour for cutting D.I. pipe with steel saw 400-450 mm diameter D.I. pipe	13.000/each cut	600.000	600.000/46 Four Hundred Only	7800.00
2.036	Labour for cutting D.I. pipe with steel saw 400-450 mm diameter D.I. pipe	50.000/each cut	500.000	500.000/10 Five Hundred Only	25000.00
2.037	Labour for cutting D.I. pipe with steel saw 400-450 mm diameter D.I. pipe	40.000/each cut	400.000	400.000/10 Four Hundred & Fifty Only	16000.00
2.038	Providing pipe - on-joints to Centre-gully (Burst) Cast Iron Pipe or Ductile Iron Pipe including bedding of joints and including the cost of rubber gasket 450 mm dia pipe	3.000/joint	750.000	750.000/250 Seven Hundred & Fifty Only	28500.00
2.039	Providing pipe - on-joints to Centre-gully (Burst) Cast Iron Pipe or Ductile Iron Pipe including bedding of joints and including the cost of rubber gasket 400 mm dia pipe	28.000/joint	600.000	600.000/21 Six Hundred & Forty Only	51000.00
2.040	Providing pipe - on-joints to Centre-gully (Burst) Cast Iron Pipe or Ductile Iron Pipe including bedding of joints and including the cost of rubber gasket 300 mm dia pipe	15.000/joint	450.000	450.000/30 Four Hundred Only	55500.00
2.041	Providing pipe - on-joints to Centre-gully (Burst) Cast Iron Pipe or Ductile Iron Pipe including bedding of joints and including the cost of rubber gasket 250 mm dia pipe	34.000/joint	300.000	300.000/9 Three Hundred Only	10200.00
2.042	Providing pipe - on-joints to Centre-gully (Burst) Cast Iron Pipe or Ductile Iron Pipe including bedding of joints and including the cost of rubber gasket 200 mm dia pipe	50.000/joint	250.000	250.000/5 Two Hundred & Fifty Only	20425.00
2.043	Joining 450mm D.I. pipes laid in trenches (with D.I. pipe/D.P.E. pipes) to lines and levels using Mechanical collar or any suitable type of joint after cleaning the ends, ensuring the pipe is square the joint and tightening, including conveying the materials with wheel barrow and other sundries etc. complete to make a water tight joint capable to withstand the required pressure as per the direction of the departmental officers (including the cost of mechanical collar set)	1.000/No	4000.000	4000.000/40 Four Thousand Only	48800.00
2.044	Joining 450mm D.I. pipes laid in trenches (with D.I. pipe/D.P.E. pipes) to lines and levels using Mechanical collar or any suitable type of joint after cleaning the ends, ensuring the pipe is square the joint and tightening, including conveying the materials with wheel barrow and other sundries etc. complete to make a water tight joint capable to withstand the required pressure as per the direction of the departmental officers (including the cost of mechanical collar set)	2.000/No	3750.000	3750.000/37 Three Thousand Seven Hundred & Fifty Only	7500.00
2.045	Joining 300mm D.I. pipes laid in trenches (with D.I. pipe/D.P.E. pipes) to lines and levels using Mechanical collar or any suitable type of joint after cleaning the ends, ensuring the pipe is square the joint and tightening, including conveying the materials with wheel barrow and other sundries etc. complete to make a water tight joint capable to withstand the required pressure as per the direction of the departmental officers (including the cost of mechanical collar set)	2.000/No	3700.000	3700.000/37 Three Thousand Seven Hundred Only	7400.00
2.046	Joining 250mm D.I. pipes laid in trenches (with D.I. pipe/D.P.E. pipes) to lines and levels using Mechanical collar or any suitable type of joint after cleaning the ends, ensuring the pipe is square the joint and tightening, including conveying the materials with wheel barrow and other sundries etc. complete to make a water tight joint capable to withstand the required pressure as per the direction of the departmental officers (including the cost of mechanical collar set)	3.000/No	3500.000	3500.000/35 Three Thousand Five Hundred Only	14000.00
2.047	Joining 200mm D.I. pipes laid in trenches (with D.I. pipe/D.P.E. pipes) to lines and levels using Mechanical collar or any suitable type of joint after cleaning the ends, ensuring the pipe is square the joint and tightening, including conveying the materials with wheel barrow and other sundries etc. complete to make a water tight joint capable to withstand the required pressure as per the direction of the departmental officers (including the cost of mechanical collar set)	24.000/No	3000.000	3000.000/25 Three Thousand Only	72000.00
2.048	Providing flanged joints to double flanged C.I./D.I. pipes and specials, including bedding of joints 450 mm diameter pipe	4.000/No	1300.000	1300.000/329 One Thousand Three Hundred Only	5200.00
2.049	Providing flanged joints to double flanged C.I./D.I. pipes and specials, including bedding of joints 400 mm diameter pipe	10.000/No	1500.000	1500.000/150 One Thousand Five Hundred Only	15000.00
2.050	Providing flanged joints to double flanged C.I./D.I. pipes and specials, including bedding of joints 300 mm diameter pipe	10.000/No	600.000	600.000/60 Six Hundred Only	6000.00
2.051	Providing flanged joints to double flanged C.I./D.I. pipes and specials, including bedding of joints 200 mm diameter pipe	10.000/No	575.000	575.000/57 Five Hundred & Seventy Five Only	5750.00

2.052	Providing flanged joints to double flanged C.I. (D) pipes and valves including testing of joints 200 mm diameter size	15,000	Yes	450,000	Per Four Hundred & Fifty Only	450,000
2.053	Providing flanged joints to double flanged 150mm dia pipes and valves including 10 flanges and testing of joints	4,000	Yes	450,000	Per Four Thousand Two Hundred Only	1,800,000
2.054	Providing flanged joints to double flanged 150mm dia pipes and valves including cost of GI flange welding, grinding and testing of joints	4,000	No	200,000	Per Three Thousand Only	1,200,000
2.055	Providing flanged joints to double flanged 150mm dia pipes and valves including cost of GI flange, welding, grinding and testing of joints.	4,000	No	280,000	Per Two Thousand Six Hundred Only	1,680,000
2.056	Providing flanged joints to double flanged 80mm dia pipes and valves, including cost of GI flange, welding, grinding and testing of joints.	4,000	No	200,000	Per Two Thousand Only	800,000
2.057	Providing forged joints to double flanged 80mm dia pipes and valves including cost of GI flange, welding, grinding and testing of joints.	4,000	No	1,700,000	Per One Thousand Seven Hundred & Fifty Only	7,900,000
2.058	Providing flanged joints to double flanged 80mm dia pipes and valves, including GI flange and testing of joints	4,000	No	1,400,000	Per One Thousand Four Hundred Only	5,600,000
2.059	Conveying and fixing C.I. sludge valves (with cap) of approved quality with bolts, nuts rubber neoprene etc. including the cost of air valves (the last piece if required will be paid separately) 25 mm Single acting Air Valves	20,000	Yes	150,000	Per One Hundred & Fifty Only	450,000
2.06	Conveying and fixing C.I. Single acting Air Valves of approved quality with bolts, nuts, rubber neoprene etc. including the cost of air valves (the last piece if required will be paid separately) 50 mm Double acting Air Valves	10,000	Yes	200,000	Per Two Hundred Only	2,000,000
2.061	Conveying and fixing C.I. sludge valves (with cap) by providing complete with bolts, nuts, rubber neoprene etc. including the cost of valves (the last piece if required will be paid separately) 450 mm diameter, Class I	1,000	Yes	500,000	Per Five Thousand Five Hundred Only	5,000,000
2.062	Conveying and fixing C.I. sludge valves (with cap) by providing complete with bolts, nuts, rubber neoprene etc. including the cost of valves (the last piece if required will be paid separately) 300 mm diameter, Class I	2,000	Yes	450,000	Per Four Thousand Five Hundred Only	4,500,000
2.063	Conveying and fixing C.I. sludge valves (with cap) by providing complete with bolts, nuts, rubber neoprene etc. including the cost of valves (the last piece if required will be paid separately) 300 mm diameter, Class I	2,000	No	250,000	Per Two Thousand Five Hundred Only	5,000,000
2.064	Conveying and fixing C.I. sludge valves (with cap) by providing complete with bolts, nuts, rubber neoprene etc. including the cost of valves (the last piece if required will be paid separately) 250 mm diameter, Class I	5,000	Yes	200,000	Per Two Thousand Five Hundred Only	1,250,000
2.065	Conveying and fixing C.I. sludge valves (with cap) by providing complete with bolts, nuts, rubber neoprene etc. including the cost of valves (the last piece if required will be paid separately) 200 mm diameter, Class I	4,000	Yes	1,000,000	Per One Thousand Only	4,000,000
2.066	Conveying and fixing C.I. sludge valves (with cap) by providing complete with bolts, nuts, rubber neoprene etc. including the cost of valves (the last piece if required will be paid separately) 150 mm diameter, Class I	4,000	Yes	600,000	Per Nine Hundred Only	3,600,000
2.067	Conveying and fixing C.I. sludge valves (with cap) by providing complete with bolts, nuts, rubber neoprene etc. including the cost of valves (the last piece if required will be paid separately) 125 mm diameter, Class I	5,000	Yes	800,000	Per Eight Hundred Only	4,000,000
2.068	Conveying and fixing C.I. sludge valves (with cap) by providing complete with bolts, nuts, rubber neoprene etc. including the cost of valves (the last piece if required will be paid separately) 100 mm diameter, Class I	20,000	Yes	600,000	Per Six Hundred Only	1,200,000
2.069	Conveying and fixing C.I. sludge valves (with cap) by providing complete with bolts, nuts, rubber neoprene etc. including the cost of valves (the last piece if required will be paid separately) 80 mm diameter, Class I	20,000	No	1,200,000	Per One Thousand Two Hundred Only	4,800,000
2.07	Providing protection tube with 14mm PVC pipe (Kjoford) including cost and convenience of all-contractors and labour charges	0.000	No	200,000	Per Two Thousand Three Hundred Only	1,400,000
2.071	Providing protection tube with 200mm PVC pipe (Kjoford) including cost and convenience of all-contractors and labour charges	200,000	Yes	300,000	Per Three Hundred & Fifty Only	1,110,000
2.072	Concreting and shuttering including setting, etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	300,000	Yes	300,000	Per Three Hundred & Fifty Only	1,110,000

Unavoidable the application is to be prepared

Supply Erection and Commissioning of 1 No 150 HP V T Motor Pumpset having a Head of 86 m and Discharge 88 LPS, at Kummappally RWPB

	1,000 No	2130000.000 INR	Twenty One Lakh Thirty Thousand Only	2130000.00
<p>1. Supply Erection and Commissioning of 1 No 150 HP V T Motor Pumpset having a Head of 86 m and Discharge 88 LPS, at Kummappally RWPB</p>				
<p>1.001</p>	<p>8000.000 cum</p>	<p>53,000 INR</p>	<p>Fifty Three Only</p>	<p>477000.00</p>
<p>Excavation for road work in soil with hydraulic excavator of 5.0 cum bucket capacity including cutting and loading in slopes, trimming bottom and side slopes, in accordance with requirements of laws, grades and protection, and transporting to the embankment locations with 1000kg and load up to 1000kg</p>				
<p>1.002</p>	<p>36000.000 cum</p>	<p>2465,000 INR</p>	<p>Two Thousand Four Hundred & Sixty Five Only</p>	<p>8874000.00</p>
<p>Granular sub-base/curbstone course with local materials (Table 400.15) by mix in place method normal. Construction of granular sub-base by providing local material spreading in uniform layers with motor grader on prepared surface, raking by mix in place method with roller at once and compacting with smooth wheel roller to achieve the desired density complete as per Clause 401.4 as per Technical Specification Clause 406.4(b)(8) Using Drivemix soil.</p>				
<p>1.003</p>	<p>2700.000 cum</p>	<p>3645,000 INR</p>	<p>Three Thousand Six Hundred & Forty Five Only</p>	<p>9841500.00</p>
<p>Wet Mix Macadam (WMM) providing, laying, spreading and compacting granular stone aggregate to wet mix macadam specification including priming the material with water in OMC in mechanical mixer (7kg/M³) setting of mixed material by tapper to 100, taping in uniform layers in sub-base base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 1000kg weight to achieve the desired density including lighting, carting and maintenance of division, etc as per Tables 400.11 & 401.12 and Technical Specification Clause 406. By Mechanical Means with 1 ton load</p>				
<p>1.004</p>	<p>30000.000 sqm</p>	<p>81,000 INR</p>	<p>Eighty One Only</p>	<p>2430000.00</p>
<p>Prime Coat - Wet Paved Bitumen (WPM) providing and applying primer coat with bitumen emulsion (55-1) on prepared surface of granular base including clearing of road surface and raking prime at the rate of 0.75-1.0 kg/sqm using mechanical means</p>				
<p>1.005</p>	<p>36000.000 sqm</p>	<p>16,000 INR</p>	<p>Sixteen Only</p>	<p>576000.00</p>
<p>Track Coat - Wet Paved Bitumen (WPM) providing and applying track coat with bitumen emulsion (95-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with primer & covered with hydraulic brum</p>				
<p>1.006</p>	<p>36000.000 sqm</p>	<p>208,000 INR</p>	<p>Two Hundred & Nine Only</p>	<p>7488000.00</p>
<p>Form track Coat-Graded Primer Carpet using bituminous penetration grade (cold bitumen) binder - Bitumen 5-65 - Packed Bitumen (WPM) providing, laying and rolling at 1000kg weight per 1000kg weight to achieve the desired density including lighting, carting and maintenance of division, etc as per Tables 400.11 & 401.12 and Technical Specification Clause 406. By Mechanical Means with 1 ton load</p>				

