

**KERALA WATER AUTHORITY, PH CIRCLE, THRISSUR**

**Work Name: JAL JEEVAN MISSION 2021-22- ALAGAPPANAGAR GP ( PHASE 2) - Providing FHTC to Rural house holds from existing schemes**

**ACCEPTED SCHEDULE**

Sl. No.	Item Description	Quantity	Units	Estimated Rate		TOTAL AMOUNT
				Figures	words	
1	<b>Providing distribution mains &amp; network (Cost of materials)</b>					
1.001	Supply of DI K9 Pipe Conforming to IS 8329/2000, 350mm Dia.	1735.000	metre	4740.85	INR Four Thousand Seven Hundred & Forty and Paise Eighty Five Only	8225374.75
1.002	Supply of DI K9 Pipe Conforming to IS 8329/2000, 400mm Dia.	1499.000	metre	6085.29	INR Six Thousand & Eighty Five and Paise Twenty Nine Only	9121849.71
1.003	Supply of DI K9 Pipe Conforming to IS 8329/2000, 300mm Dia.	497.000	metre	3891.75	INR Three Thousand Eight Hundred & Ninety One and Paise Seventy Five Only	1934199.75
1.004	Supply of DI K9 Pipe Conforming to IS 8329/2000, 250mm Dia.	1342.000	metre	3113.41	INR Three Thousand One Hundred & Thirteen and Paise Forty One Only	4178196.22
1.005	Supply of DI K9 Pipe Conforming to IS 8329/2000, 200mm Dia.	1918.000	metre	2228.91	INR Two Thousand Two Hundred & Twenty Eight and Paise Ninety One Only	4275049.38
1.006	Supplying double flanged 350 mm DI K9 pipe	30.000	metre	6763.76	INR Six Thousand Seven Hundred & Sixty Three and Paise Seventy Six Only	202912.80
1.007	Supplying double flanged 400 mm DI K9 pipe	30.000	metre	8702.94	Eight Thousand Seven Hundred & Two and Paise Ninety Four Only	261088.20
1.008	Supplying double flanged 300 mm DI K9 pipe	15.000	metre	5362.84	Five Thousand Three Hundred & Sixty Two and Paise Eighty Four Only	80442.60
1.009	Supplying double flanged 250 mm DI K9 pipe	24.000	metre	4174.81	Four Thousand One Hundred & Seventy Four and Paise Eighty One Only	100195.44

1.01	Supplying double flanged 200mm DI K9 pipe	35.000	metre	2936.51	Two Thousand Nine Hundred & Thirty Six and Paise Fifty One Only	102777.85
1.011	Supply of PE Pipe, PE100, PN8, 180mm dia, conforming to IS 4984/2016.	1467.000	metre	777.56	INR Seven Hundred & Seventy Seven and Paise Fifty Six Only	1140680.52
1.012	Supply of PE Pipe, PE100, PN10, 180mm dia, conforming to IS 4984/2016.	1704.000	metre	956.29	INR Nine Hundred & Fifty Six and Paise Twenty Nine Only	1629518.16
1.013	Supply of PE Pipe, PE100, PN8, 160mm dia, conforming to IS 4984/2016.	2364.000	metre	619.32	INR Six Hundred & Nineteen and Paise Thirty Two Only	1464072.48
1.014	Supply of PE Pipe, PE100, PN10, 160mm dia, conforming to IS 4984/2016.	2001.000	metre	755.72	INR Seven Hundred & Fifty Five and Paise Seventy Two Only	1512195.72
1.015	Supply of PE Pipe, PE100, PN8, 125mm dia, conforming to IS 4984/2016.	1200.000	metre	376.51	INR Three Hundred & Seventy Six and Paise Fifty One Only	451812.00
1.016	Supply of PE Pipe, PE100, PN10, 125mm dia, conforming to IS 4984/2016.	3021.000	metre	459.72	INR Four Hundred & Fifty Nine and Paise Seventy Two Only	1388814.12
1.017	Supply of PE Pipe, PE100, PN8, 110mm dia, conforming to IS 4984/2016	10154.000	metre	284.32	INR Two Hundred & Eighty Four and Paise Thirty Two Only	2886985.28
1.018	Supply of PE Pipe, PE100, PN10, 110mm dia, conforming to IS 4984/2016.	35097.000	metre	346.46	Three Hundred & Forty Six and Paise Forty Six Only	12159706.62
1.019	Supply of uPVC Pipe, IS 4985: 2000 , 6kg/cm2, 75mm Dia..	2705.000	metre	141.30	One Hundred & Forty One and Paise Thirty Only	382216.50
1.02	Supply of uPVC Pipe, IS 4985: 2000 , 8kg/cm2, 75mm Dia.	3115.000	metre	188.93	One Hundred & Eighty Eight and Paise Ninety Three Only	588516.95
1.021	Supply of uPVC Pipe, IS 4985: 2000 , 10kg/cm2, 75mm Dia.	8021.000	metre	219.80	Two Hundred & Nineteen and Paise Eighty Only	1763015.80
1.022	Supply of uPVC Pipe, IS 4985: 2000 , 10kg/cm2, 63mm Dia.	7101.000	metre	156.99	INR One Hundred & Fifty Six and Paise Ninety Nine Only	1114785.99
1.023	Supply of uPVC Pipe, IS 4985: 2000 , 6kg/cm2, 63mm Dia..	737.000	metre	100.46	INR One Hundred and Paise Forty Six Only	74039.02

1.024	Supply of uPVC Pipe, IS 4985: 2000 , 8kg/cm2, 63mm Dia.	1785.000	metre	131.51	INR One Hundred & Thirty One and Paise Fifty One Only	234745.35
1.025	Supply of uPVC Pipe, IS 4985: 2000 , 10kg/cm2, 50mm Dia.	2147.000	metre	100.46	INR One Hundred and Paise Forty Six Only	215687.62
1.026	Supply of uPVC Pipe, IS 4985: 2000 , 6kg/cm2, 50mm Dia.	1536.000	metre	62.81	INR Sixty Two and Paise Eighty One Only	96476.16
1.027	Supply of uPVC Pipe, IS 4985: 2000 , 8kg/cm2, 50mm Dia.	798.000	metre	86.63	INR Eighty Six and Paise Sixty Three Only	69130.74
1.028	Supply of G.I. pipes 150 mm dia	200.000	metre	1870.44	INR One Thousand Eight Hundred & Seventy and Paise Forty Four Only	374088.00
1.029	Supply of G.I. pipes 125 mm dia.	200.000	metre	1567.94	INR One Thousand Five Hundred & Sixty Seven and Paise Ninety Four Only	313588.00
1.03	Supply of G.I. pipes 100 mm dia.	200.000	metre	1189.38	One Thousand One Hundred & Eighty Nine and Paise Thirty Eight Only	237876.00
1.031	Cost of PVC specials	1.000	set	249122.94	Two Lakh Forty Nine Thousand One Hundred & Twenty Two and Paise Ninety Four Only	249122.94
1.032	Cost of HDPE Specials including PE coupler	1.000	set	179720.00	One Lakh Seventy Nine Thousand Seven Hundred & Twenty Only	179720.00
1.033	Cost of GI specials	1.000	set	166606.04	One Lakh Sixty Six Thousand Six Hundred & Six and Paise Four Only	166606.04
1.034	Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 25mm.	30.000	No	5065.18	INR Five Thousand & Sixty Five and Paise Eighteen Only	151955.40
1.035	Supply of CI Air Valve, Conforming to IS 14848 - 2000, Double Orifice Type DS2, Size 50mm.	10.000	No	7141.17	INR Seven Thousand One Hundred & Forty One and Paise Seventeen Only	71411.70
1.036	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 400mm.	1.000	No	85256.62	INR Eighty Five Thousand Two Hundred & Fifty Six and Paise Sixty Two Only	85256.62
1.037	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 350mm.	1.000	No	69916.97	INR Sixty Nine Thousand Nine Hundred & Sixteen and Paise Ninety Seven Only	69916.97

1.038	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 300mm.	1.000	No	38920.48	INR Thirty Eight Thousand Nine Hundred & Twenty and Paise Forty Eight Only	38920.48
1.039	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 250mm.	1.000	No	30877.51	INR Thirty Thousand Eight Hundred & Seventy Seven and Paise Fifty One Only	30877.51
1.04	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 200mm.	2.000	No	21318.07	INR Twenty One Thousand Three Hundred & Eighteen and Paise Seven Only	42636.14
1.041	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 150mm.	4.000	No	12038.32	Twelve Thousand &Thirty Eight and Paise Thirty Two Only	48153.28
1.042	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 100mm.	6.000	No	8090.95	Eight Thousand &Ninety and Paise Ninety Five Only	48545.70
1.043	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 80mm.	15.000	No	5952.37	Five Thousand Nine Hundred & Fifty Two and Paise Thirty Seven Only	89285.55
2	<b>WORKING CHARGES</b>					0.00
2.001	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidatingeach deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :All kinds of soil (Ref. Item No. 2.10.1 of DSR)	27735.701	cum	499.17	INR Four Hundred & Ninety Nine and Paise Seventeen Only	13844829.87

2.002	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : "Ordinary Rock. (Ref. Item No. 2.13.1 of DSR)	27577.151	cum	724.95	INR Seven Hundred & Twenty Four and Paise Ninety Five Only	19992055.62
2.003	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 m <sup>2</sup> on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. Medium Rock (blasting prohibited)	4603.738	cum	952.44	INR Nine Hundred & Fifty Two and Paise Forty Four Only	4384784.22
2.004	"Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : Hard Rock (Blasting Prohibited) (Ref. Item No. 2.13.3 of DSR)	654.293	cum	1398.49	INR One Thousand Three Hundred & Ninety Eight and Paise Forty Nine Only	915022.22
2.005	Fencing one side of trenches, 1.50 m height with two rows of 10 cm plastic caution tape in vertical casuarina pole (girth 15cm to 24cm) fixed at 2 m intervals. (Data Prepared based on PWD SDB - Item No.1009)	60000.000	metre	27.86	INR Twenty Seven and Paise Eighty Six Only	1671600.00
2.006	Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials : 400 mm dia Ductile Iron Class K-9 Pipes Data derived from 18.72.21 in DAR	1469.000	metre	294.12	INR Two Hundred & Ninety Four and Paise Twelve Only	432062.28

2.007	Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials :350 mm dia Ductile Iron Class K-9 Pipes	1701.000	metre	244.23	INR Two Hundred & Forty Four and Paise Twenty Three Only	415435.23
2.008	Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials : 300 mm dia Ductile Iron Class K-9 Pipes	487.000	metre	184.35	INR One Hundred & Eighty Four and Paise Thirty Five Only	89778.45
2.009	Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials : 250 mm dia Ductile Iron Class K-9 Pipes Data derived from 18.72.18 in DAR	1315.000	metre	146.52	INR One Hundred & Forty Six and Paise Fifty Two Only	192673.80
2.01	Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials :200 mm dia Ductile Iron Class K-9 Pipes Data derived from 18.72.17 in DAR	1878.000	metre	109.72	INR One Hundred & Nine and Paise Seventy Two Only	206054.16
2.011	Providing and laying D.I specials of class K - 12 suitable for push - on jointing as per IS : 9523 :up to 600mm.	56.620	quintal	19769.20	INR Nineteen Thousand Seven Hundred & Sixty Nine and Paise Twenty Only	1119332.10
2.012	Conveying and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:K-9 conforming to IS: 8329 excluding cost of pipe and specials: 200 mm dia Ductile Iron Double Flanged	35.000	metre	132.26	INR One Hundred & Thirty Two and Paise Twenty Six Only	4629.10
2.013	Conveying and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:K-9 conforming to IS: 8329 excluding cost of pipe and specials: 250 mm dia Ductile Iron Double Flanged	24.000	metre	178.37	INR One Hundred & Seventy Eight and Paise Thirty Seven Only	4280.88
2.014	"Conveying and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:K-9 conforming to IS: 8329 excluding cost of pipe and specials:300 mm dia Ductile Iron Double Flanged	15.000	metre	228.81	INR Two Hundred & Twenty Eight and Paise Eighty One Only	3432.15

2.015	Conveying and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:K-9 conforming to IS: 8329 excluding cost of pipe and specials: 350 mm dia Ductile Iron Double Flanged	30.000	metre	276.88	INR Two Hundred & Seventy Six and Paise Eighty Eight Only	8306.40
2.016	Conveying and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:K-9 conforming to IS: 8329 excluding cost of pipe and specials: 400 mm dia Ductile Iron Double Flanged	30.000	metre	331.04	INR Three Hundred & Thirty One and Paise Four Only	9931.20
2.017	Labour for cutting D.I. pipe with steel saw.200 mm diameter D.I. pipe	10.000	Each Cut	387.05	INR Three Hundred & Eighty Seven and Paise Five Only	3870.50
2.018	Labour for cutting D.I. pipe with steel saw.250 mm diameter D.I. pipe	8.000	Each Cut	481.34	INR Four Hundred & Eighty One and Paise Thirty Four Only	3850.72
2.019	Labour for cutting D.I. pipe with steel saw.300 mm diameter D.I. pipe	2.000	Each Cut	578.19	INR Five Hundred & Seventy Eight and Paise Nineteen Only	1156.38
2.02	Labour for cutting D.I. pipe with steel saw.350 mm diameter D.I pipe	8.000	Each Cut	672.47	INR Six Hundred & Seventy Two and Paise Forty Seven Only	5379.76
2.021	Labour for cutting D.I. pipe with steel saw.400 mm diameter D.I. pipe	12.000	Each Cut	768.95	INR Seven Hundred & Sixty Eight and Paise Ninety Five Only	9227.40
2.022	Laying HDPE pipes (IS : 4984)on land portion including conveying within initial lead and aligning the pipes, electro-fusion welding using automatic or semi automatic electrofusion machines, testing the pipe line thus fabricated to suit the hydraulic working pressure and after testing , aligning the pipeline, lowering the pipe in position into the trenches already made, testing the line to suitable pressure with potable water before back filling and leveling the trenches including all labour charge, hire for appliances etc. complete but excluding cost of pipe and fittings.110 mm OD HDPE pipe	45251.000	metre	113.68	INR One Hundred & Thirteen and Paise Sixty Eight Only	5144133.68

2.023	Laying HDPE pipes (IS : 4984)on land portion including conveying within initial lead and aligning the pipes, electro-fusion welding using automatic or semi automatic electrofusion machines, testing the pipe line thus fabricated to suit the hydraulic working pressure and after testing , aligning the pipeline, lowering the pipe in position into the trenches already made, testing the line to suitable pressure with potable water before back filling and leveling the trenches including all labour charge, hire for appliances etc. complete but excluding cost of pipe and fittings.125 mm OD HDPE pipe	4221.000	metre	120.13	INR One Hundred & Twenty and Paise Thirteen Only	507068.73
2.024	Laying HDPE pipes (IS : 4984)on land portion including conveying within initial lead and aligning the pipes, electro-fusion welding using automatic or semi automatic electrofusion machines, testing the pipe line thus fabricated to suit the hydraulic working pressure and after testing , aligning the pipeline, lowering the pipe in position into the trenches already made, testing the line to suitable pressure with potable water before back filling and leveling the trenches including all labour charge, hire for appliances etc. complete but excluding cost of pipe and fittings. 160 mm OD HDPE pipe	4365.000	metre	193.36	INR One Hundred & Ninety Three and Paise Thirty Six Only	844016.40
2.025	Laying HDPE pipes (IS : 4984)on land portion including conveying within initial lead and aligning the pipes, electro-fusion welding using automatic or semi automatic electrofusion machines, testing the pipe line thus fabricated to suit the hydraulic working pressure and after testing , aligning the pipeline, lowering the pipe in position into the trenches already made, testing the line to suitable pressure with potable water before back filling and leveling the trenches including all labour charge, hire for appliances etc. complete but excluding cost of pipe and fittings.180 mm OD HDPE pipe NEW DATA	3171.000	metre	238.62	INR Two Hundred & Thirty Eight and Paise Sixty Two Only	756664.02



2.026	Laying UPVC pipes of class 2 to class 6 and specials, lowering to the trenches already made, placing in position aligning the pipe line to the lines and levels and jointing the pipes and specials with solvent cement and testing the pipe line with water to the required test pressure (excluding cost of pipes and specials).75 mm nominal outer dia pipes.	13841.000	metre	78.22	INR Seventy Eight and Paise Twenty Two Only	1082643.02
2.027	Laying UPVC pipes of class 2 to class 6 and specials, lowering to the trenches already made, placing in position aligning the pipe line to the lines and levels and jointing the pipes and specials with solvent cement and testing the pipe line with water to the required test pressure (excluding cost of pipes and specials).63 mm nominal outer dia pipes.	9623.000	metre	78.22	INR Seventy Eight and Paise Twenty Two Only	752711.06
2.028	Laying UPVC pipes of class 2 to class 6 and specials, lowering to the trenches already made, placing in position aligning the pipe line to the lines and levels and jointing the pipes and specials with solvent cement and testing the pipe line with water to the required test pressure (excluding cost of pipes and specials) 50 mm nominal outer dia pipes.	4481.000	metre	42.76	INR Forty Two and Paise Seventy Six Only	191607.56
2.029	Conveying and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. but excluding cost of pipes and fittings - External work. 150 mm dia nominal ore Observed Data derived from item no.18.12 of DAR	200.000	metre	261.83	INR Two Hundred & Sixty One and Paise Eighty Three Only	52366.00
2.03	"Conveying and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. but excluding cost of pipes and fittings - External work. 125 mm dia nominal bore	200.000	metre	236.33	INR Two Hundred & Thirty Six and Paise Thirty Three Only	47266.00
2.031	Conveying and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. but excluding cost of pipes and fittings - External work. 100 mm dia nominal bore	200.000	metre	211.17	INR Two Hundred & Eleven and Paise Seventeen Only	42234.00

2.032	Providing and fixing G.I. pipes complete with G.I fittings including trenching and refilling etc. External work80 mm dia nominal bore	2000.000	metre	186.91	INR One Hundred & Eighty Six and Paise Ninety One Only	373820.00
2.033	Providing and fixing G.I. pipes complete with G.I fittings including trenching and refilling etc. External work65 mm dia nominal bore	800.000	metre	756.62	INR Seven Hundred & Fifty Six and Paise Sixty Two Only	605296.00
2.034	Providing and fixing G.I. pipes complete with G.I fittings including trenching and refilling etc. External work50 mm dia nominal bore	800.000	metre	597.57	INR Five Hundred & Ninety Seven and Paise Fifty Seven Only	478056.00
2.035	Providing and fixing G.I. pipes complete with G.I fittings including trenching and refilling etc. External work40 mm dia nominal bore	300.000	metre	150.07	INR One Hundred & Fifty and Paise Seven Only	45021.00
2.036	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:400 mm diameter pipe	8.000	Nos	958.28	INR Nine Hundred & Fifty Eight and Paise Twenty Eight Only	7666.24
2.037	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:350 mm diameter pipe	8.000	Nos	698.58	INR Six Hundred & Ninety Eight and Paise Fifty Eight Only	5588.64
2.038	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:300 mm diameter pipe	2.000	Nos	519.78	INR Five Hundred & Nineteen and Paise Seventy Eight Only	1039.56
2.039	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:250 mm diameter pipe	6.000	Nos	512.71	INR Five Hundred & Twelve and Paise Seventy One Only	3076.26
2.04	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:200 mm diameter pipe	8.000	Nos	376.06	INR Three Hundred & Seventy Six and Paise Six Only	3008.48
2.041	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:400 mm dia pipes	272.000	joint	612.25	INR Six Hundred & Twelve and Paise Twenty Five Only	166532.00
2.042	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:350 mm dia pipes	315.000	joint	393.36	INR Three Hundred & Ninety Three and Paise Thirty Six Only	123908.40

2.043	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	90.000	joint	370.76	INR Three Hundred & Seventy and Paise Seventy Six Only	33368.40
2.044	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:250 mm dia pipes	244.000	joint	283.95	INR Two Hundred & Eighty Three and Paise Ninety Five Only	69283.80
2.045	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:200 mm dia pipes	345.000	joint	232.53	INR Two Hundred & Thirty Two and Paise Fifty Three Only	80222.85
2.046	Conveying and fixing C I Single acting Air Valve of approved quality with bolts,nuts,rubber insertions etc . excluding the cost of air valve(the tail pieces if required will be paid seperately): 25 mm Single acting Air Valve Observed Data derived from item no.18.59.of DAR	30.000	Nos	126.23	INR One Hundred & Twenty Six and Paise Twenty Three Only	3786.90
2.047	Conveying and fixing C I Single acting Air Valve of approved quality with bolts,nuts,rubber insertions etc . excluding the cost of air valve(the tail pieces if required will be paid seperately):50 mm Double acting Air Valve	10.000	Nos	197.31	INR One Hundred & Ninety Seven and Paise Thirty One Only	1973.10
2.048	Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) :400 mm diameter. Class II	1.000	Nos	4702.36	INR Four Thousand Seven Hundred & Two and Paise Thirty Six Only	4702.36
2.049	Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) :350 mm diameter. Class II	1.000	Nos	3571.04	INR Three Thousand Five Hundred & Seventy One and Paise Four Only	3571.04

2.05	Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) : 300 mm diameter. Class II	1.000	Nos	2656.50	INR Two Thousand Six Hundred & Fifty Six and Paise Fifty Only	2656.50
2.051	Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) :250 mm diameter. Class II	1.000	Nos	2250.64	INR Two Thousand Two Hundred & Fifty and Paise Sixty Four Only	2250.64
2.052	Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) : 200 mm diameter. Class II	2.000	Nos	1554.14	INR One Thousand Five Hundred & Fifty Four and Paise Fourteen Only	3108.28
2.053	Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) : 150 mm diameter. Class II	4.000	Nos	1153.65	INR One Thousand One Hundred & Fifty Three and Paise Sixty Five Only	4614.60
2.054	Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) :100 mm diameter. Class II	6.000	Nos	860.63	INR Eight Hundred & Sixty and Paise Sixty Three Only	5163.78
2.055	"Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) :80 mm diameter. Class II	15.000	Nos	561.93	INR Five Hundred & Sixty One and Paise Ninety Three Only	8428.95
2.056	Proving protection tube with 140mm PVC pipe 10Kg/cm2 including cost and conveyance of all materials and labour charges	15.000	No	1123.25	INR One Thousand One Hundred & Twenty Three and Paise Twenty Five Only	16848.75
2.057	Proving protection tube with 200mm PVC pipe 10Kg/cm2 including cost and conveyance of all materials and labour charges	10.000	No	1482.69	INR One Thousand Four Hundred & Eighty Two and Paise Sixty Nine Only	14826.90

2.058	Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete	269.801	sqm	301.31	INR Three Hundred & One and Paise Thirty One Only	81293.74
2.059	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	49.267	cum	7717.60	INR Seven Thousand Seven Hundred & Seventeen and Paise Sixty Only	380223.00
2.06	Testing 250mm DI/CI pipeline with potable water to the required test pressure . 250 mm a	1315.000	metre	45.75	INR Forty Five and Paise Seventy Five Only	60161.25
2.061	Testing 200mm DI/CI pipeline with potable water to the required test pressure 200 mm dia	1878.000	metre	35.85	INR Thirty Five and Paise Eighty Five Only	67326.30
2.062	Testing 300mm DI/CI pipeline with potable water to the required test pressure. 300 mm dia	487.000	metre	49.95	INR Forty Nine and Paise Ninety Five Only	24325.65
2.063	Testing 350mm DI/CI pipeline with potable water to the required test pressure. 350 mm dia	1701.000	metre	60.97	INR Sixty and Paise Ninety Seven Only	103709.97
2.064	Testing 400mm DI/CI pipeline with potable water to the required test pressure.400 mm dia	1469.000	metre	79.62	INR Seventy Nine and Paise Sixty Two Only	116961.78
2.065	Supply ,stacking,spreading and consolidating of Quarry Muck in the trench of pipe line, including carriage, loading ,unloading & stacking up to any lead.	50.000	cum	587.15	INR Five Hundred & Eighty Seven and Paise Fifteen Only	29357.50
2.066	Supply ,stacking,spreading and consolidating of Red earth in the trench of pipe line for cushion including carriage, loading ,unloading & stacking up to any lead.	50.000	cum	319.16	INR Three Hundred & Nineteen and Paise Sixteen Only	15958.00
2.067	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil	11.600	cum	266.83	INR Two Hundred & Sixty Six and Paise Eighty Three Only	3095.23

2.068	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. Ordinary rock	11.600	cum	474.02	INR Four Hundred & Seventy Four and Paise Two Only	5498.63
2.069	"Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :Medium Rock (blasting prohibited)New Data derived from DAR	11.600	cum	1205.55	INR One Thousand Two Hundred & Five and Paise Fifty Five Only	13984.38
2.07	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth exceeding 1.5m but not exceeding 3 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : 1.5m to 3.0m. Hard Rock (Blasting Prohibited) (Ref. Item No. 2.14 Of DSR)	10.440	cum	1569.92	INR One Thousand Five Hundred & Sixty Nine and Paise Ninety Two Only	16389.96
2.071	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)	3.480	cum	6123.85	INR Six Thousand One Hundred & Twenty Three and Paise Eighty Five Only	21311.00