

ABSTRACT ESTIMATE

Jal Jeevan Mission (JJM)-JJM PROVIDING FHTCS TO ALL HOUSEHOLD IN ERATTAYAR AND KAMAKSHI (PART) PANCHAYATHS IN IDUKKI DISTRICTS-JJM PROVIDING FHTC'S TO ALL HOUSEHOLD IN ERATTAYAR AND KAMAKSHI (PART) PANCHAYATHS IN IDUKKI DISTRICTS. Supply and laying of RWPM and CWPM-Pipeline
Work

SI No	Specification	Quantity	Rate	Amount
1	SUPPLYING AND LAYING OF 300 MM RWPM and 250 MM TO 200MM D.I K9 PIPE CWPM - Appendix A - Cost of materials			
1.001	100.98.117 Supply of DI K9 Pipe Conforming to IS 8329/2000, 200mm Dia.			
	Net Total	9229.000metre	@2589.09/metre	23894711.61
1.002	100.98.118 Supply of DI K9 Pipe Conforming to IS 8329/2000, 250mm Dia.			
	Net Total	8195.000metre	@3616.52/metre	29637381.40
1.003	100.98.119 Supply of DI K9 Pipe Conforming to IS 8329/2000, 300mm Dia.			
	Net Total	465.000metre	@4520.65/metre	2102102.25
1.004	100.98.461 Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 200mm.			
	Net Total	3.000no	@23723.64/no	71170.92
1.005	100.98.462 Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 250mm.			
	Net Total	2.000no	@34361.82/no	68723.64
1.006	100.98.463 Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 300mm.			
	Net Total	1.000no	@43312.34/no	43312.34
1.007	100.98.441 Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 40mm.			
	Net Total	30.000no	@6110.65/no	183319.50
1.008	100.98.446			

SI No	Specification	Quantity	Rate	Amount
	Supply of CI Air Valve, Conforming to IS 14848 - 2000, Double Orifice Type DS2, Size 50mm.			
	Net Total	22.000no	@7946.98/no	174833.56
1.009	100.98.450			
	Supply of CI Air Valve with Flanges, Conforming to IS 14845 - 2000, Kinetic Air Valve Type DS1, Size 80mm.			
	Net Total	1.000no	@12922.85/no	12922.85
	Heading Total(Rs)			56188478.07
2	SUPPLYING AND LAYING OF 300 MM RWPM and 250 MM TO 200MM D.I K9 PIPE CWPM - Appendix B- Working Charges.			
2.001	100.1.1			
	Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, 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 50m, in all kinds of soil.			
	Net Total	10719.832cu m	@579.88/cum	6216216.18
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.			
	Net Total	4422.828cum	@842.08/cum	3724375.00
2.003	100.2.2			
	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10m ² on plan), including dressing of sides and ramming of bottoms, lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m, in Medium Rock where Blasting is Prohibited.			
	Net Total	884.566cum	@1106.31/cum	978604.21
2.004	100.1.13			
	Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, 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 50m, in Hard Rock where Blasting is Prohibited.			
	Net Total	884.566cum	@1624.47/cum	1436950.93
2.005	100.14.3			

SI No	Specification	Quantity	Rate	Amount
	Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 200mm diameter Ductile Iron Class K-9 Pipes.			
	Net Total	9086.000metre	@127.49/metre	1158374.14
2.006	100.14.4			
	Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 250mm diameter Ductile Iron Class K-9 Pipes.			
	Net Total	8068.000metre	@170.23/metre	1373415.64
2.007	100.14.5			
	Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 300mm diameter Ductile Iron Class K-9 Pipes.			
	Net Total	495.000metre	@214.16/metre	106009.20
2.008	100.8.1			
	Fencing one side of trenches, 1.50m height with two rows of 10cm plastic caution tape in vertical casuarina pole (girth 15cm to 24cm) fixed at 2m intervals.			
	Net Total	15000.000metre	@28.84/metre	432600.00
2.009	18.70.3			
	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			
	Net Total	2150.000joint	@270.11/joint	580736.50
2.010	18.70.4			
	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			
	Net Total	900.000joint	@329.85/joint	296865.00
2.011	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			
	Net Total	90.000joint	@430.66/joint	38759.40
2.012	18.30.5			
	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:200 mm diameter pipe			
	Net Total	12.000no	@436.82/no	5241.84
2.013	18.30.6			
	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including			

SI No	Specification	Quantity	Rate	Amount
	testing of joints:250 mm diameter pipe			
	Net Total	8.000no	@595.56/no	4764.48
2.014	18.30.7			
	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:300 mm diameter pipe			
	Net Total	13.000no	@603.77/no	7849.01
2.015	18.68.1			
	Providing and laying D.I specials of class K - 12 suitable for push - on jointing as per IS : 9523 :Upt 600 mm dia			
	Net Total	55.110quintal	@21003.05/quintal	1157478.09
2.016	18.69.1			
	Providing and laying D.I Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :Upto 600 mm dia			
	Net Total	5.910quintal	@22071.58/quintal	130443.04
2.017	OD106959/2022-2023			
	Labour for Cutting DI Pipe with steel saw 200 mm diameter DI Pipe			
	Net Total	64.000each	@449.61/each	28775.04
2.018	OD106971/2022-2023			
	Labour for Cutting D I pipe with steel saw.250 mm diameter DI Pipe			
	Net Total	40.000Each Cut	@559.11/Each Cut	22364.40
2.019	OD106978/2022-2023			
	Labour for cutting DI Pipe with steel saw 300 mm diameter DI Pipe			
	Net Total	6.000Each Cut	@671.63/Each Cut	4029.78
2.020	100.35.3			
	Testing 200mm DI/CI pipeline with potable water to the required test pressure 200 mm dia Observed Data derived from item no.1020 of PHED DATA			
	Net Total	9086.000metre	@41.66/metre	378522.76
2.021	100.35.4			
	Testing 250mm DI/CI pipeline with potable water to the required test pressure . 250 mm dia Observed Data derived from item no.1022 of PHED DATA			
	Net Total	8068.000metre	@53.00/metre	427604.00
2.022	100.35.5			
	Testing 300mm DI/CI pipeline with potable water to the required test pressure.			

SI No	Specification	Quantity	Rate	Amount
	300 mm dia Observed Data derived from item no.1023 of PHED DATA			
		Net Total	495.000metre @57.78/metre	28601.10
2.023	100.31.1.5 Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 200mm diameter, Class I.			
		Net Total	3.000no @1625.85/no	4877.55
2.024	100.31.1.6 Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 250mm diameter, Class I.			
		Net Total	2.000no @2304.80/no	4609.60
2.025	100.31.1.7 Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 300mm diameter, Class I.			
		Net Total	1.000no @2708.08/no	2708.08
2.026	100.37.7.1 In situ fabrication of M.S. pipes of size 200mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete.			
		Net Total	40.000metre @6165.53/metre	246621.20
2.027	100.37.7.2 Fabricating M.S. flanges of diameter 200mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates.			
		Net Total	24.000no @2081.10/no	49946.40
2.028	100.37.7.3 Cutting 200mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.			
		Net Total	50.000no @223.11/no	11155.50
2.029	100.37.7.4 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 of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.			
		Net Total	50.000no @843.32/no	42166.00
2.030	100.37.7.5			

SI No	Specification	Quantity	Rate	Amount
	Grinding cut and weld edges of 200mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.			
	Net Total	100.000no	@158.40/no	15840.00
2.031	100.37.8.1			
	In situ fabrication of M.S. pipes of size 250mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete.			
	Net Total	40.000metre	@7163.12/metre	286524.80
2.032	100.37.8.2			
	Fabricating M.S. flanges of diameter 250mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates.			
	Net Total	16.000no	@2555.47/no	40887.52
2.033	100.37.8.3			
	Cutting 250mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.			
	Net Total	44.000no	@274.74/no	12088.56
2.034	100.37.8.4			
	Welding 250mm (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 of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.			
	Net Total	44.000no	@1038.53/no	45695.32
2.035	100.37.8.5			
	Grinding cut and weld edges of 250mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.			
	Net Total	88.000no	@195.07/no	17166.16
2.036	100.37.9.1			
	In situ fabrication of M.S. pipes of size 300mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete.			
	Net Total	30.000metre	@8154.17/metre	244625.10
2.037	100.37.9.2			
	Fabricating M.S. flanges of diameter 300mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with			

SI No	Specification	Quantity	Rate	Amount
	8mm thick M.S. plates.			
	Net Total	26.000no	@3012.19/no	78316.94
2.038	100.37.9.3			
	Cutting 300mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.			
	Net Total	40.000no	@326.40/no	13056.00
2.039	100.37.9.4			
	Welding 300mm (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 of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.			
	Net Total	40.000no	@1233.75/no	49350.00
2.040	100.37.9.5			
	Grinding cut and weld edges of 300mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.			
	Net Total	80.000no	@231.74/no	18539.20
2.041	100.32.2			
	Conveying and fixing C. I. Single Acting Air Valve of approved quality with bolts, nuts, rubber insertions etc., complete, but excluding the cost of air valve (tail pieces, if required, will be paid separately): 40mm Single Acting Air Valve.			
	Net Total	30.000no	@184.44/no	5533.20
2.042	100.32.3			
	Conveying and fixing C. I. Double Acting Air Valve of approved quality with bolts, nuts, rubber insertions etc., complete, but excluding the cost of air valve (tail pieces, if required, will be paid separately): 50mm Double Acting Air Valve.			
	Net Total	22.000no	@229.21/no	5042.62
2.043	100.32.4			
	Conveying and fixing C. I. Double Acting Air Valve of approved quality with bolts, nuts, rubber insertions etc., complete, but excluding the cost of air valve (tail pieces, if required, will be paid separately): 80mm Double Acting Air Valve.			
	Net Total	1.000no	@229.21/no	229.21
2.044	4.1.3			
	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 (zone-III) : 4 graded stone aggregate 20 mm nominal size)			
	Net Total	239.520cum	@8340.91/cum	1997814.76
2.045	5.1.3			
	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)			

SI No	Specification	Quantity	Rate	Amount
	Net Total	81.920cum	@8964.75/cum	734392.32
2.046	5.9.1			
	Centering and shuttering including strutting, etc. and removal of form for: Foundations, footings, bases of columns, etc for mass concrete			
	Net Total	409.600sqm	@350.00/sqm	143360.00
2.047	5.22.6			
	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars of grade Fe-500D or more			
	Net Total	1638.400kilogram	@102.61/kilogram	168116.22
2.048	100.59.1			
	Cutting the bituminous / concrete roads with cutting machine for a minimum depth of 200mm along the sides of proposed alignment of the pipe to be laid without causing any damage to other utilities, including the charges for hire and conveyance of tools and plant, cost of consumables and charges for lighting, watching, ribbon fencing, caution boards, traffic diversion, and as per the direction of departmental officers etc. complete, before carrying out the demolition of bituminous / concrete road by mechanical means and carrying out the excavation.			
	Net Total	2100.000metre	@31.77/metre	66717.00
2.049	OD108570/2022-2023			
	Dismantling manually / by mechanical means and disposal of unserviceable material within 50 metres lead as per direction of Engineer -in-Charge: Bituminous road			
	Net Total	1680.000sqm	@60.50/sqm	101640.00
2.050	15.2.1			
	Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in-Charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)			
	Net Total	239.520cum	@2134.74/cum	511312.92
2.051	16.83			
	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.			
	Net Total	600.000sqm	@115.55/sqm	69330.00
2.052	16.84			
	Laying old cement concrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over 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. (Old CC paver blocks shall be supplied by the department free of cost.)			

SI No	Specification	Quantity	Rate	Amount
	Net Total	600.000sqm	@398.31/sqm	238986.00
	Heading Total(Rs)			23765227.92
3	Appendix C - Construction of Valve Chamber			
3.001	2.8.1			
	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			
	Net Total	38.988cum	@309.99/cum	12085.89
3.002	4.1.5			
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)			
	Net Total	2.166cum	@7690.32/cum	16657.23
3.003	5.1.2			
	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size			
	Net Total	20.199cum	@9483.13/cum	191549.74
3.004	5.9.2			
	Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, buttersesses, plinth and string courses etc.			
	Net Total	96.720sqm	@748.62/sqm	72406.53
3.005	5.9.3			
	Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform			
	Net Total	10.800sqm	@851.49/sqm	9196.09
3.006	5.22.6			
	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more			
	Net Total	1615.920kilo gram	@102.61/kilogram	165809.55
	Heading Total(Rs)			467705.03
4	Road restoration of PWD roads			
4.001	3.11			
	Removal of unserviceable soil including excavation, loading and disposal upto 1000 metres lead but excluding replacement by suitable soil which shall be paid separately as per clause 305.			

SI No	Specification	Quantity	Rate	Amount
	Net Total	2162.080cum	@49.16/cum	106287.85
4.002	3.6			
	Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead upto 1000m			
	Net Total	96.000cum	@48.79/cum	4683.84
4.003	4.2.A.1			
	Construction of granular sub-base by providing graded material, spreading in uniform layers with a motor grader on a prepared surface, mixing by mix in-place method with 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 Place Method			
	Net Total	48.000cum	@3283.03/cum	157585.44
4.004	4.12			
	Providing, laying, spreading and compacting graded stone aggregate to Wet Mix Macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.			
	Net Total	48.000cum	@3375.91/cum	162043.68
4.005	5.1.a			
	Providing and applying primer coat with bitumen emulsion (SS) on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.70 - 1.0 kg/sqm using mechanical means.			
	Net Total	450.000sqm	@73.49/sqm	33070.50
4.006	5.2.b			
	Providing and applying tack coat with bitumen emulsion (RS) using emulsion pressure distributor at the rate of 0.25 - 0.30 kg per sqm on the prepared Granular Surface cleaned with mechanical broom.			
	Net Total	450.000sqm	@14.49/sqm	6520.50
4.007	5.3.2.a			
	Providing and laying bituminous macadam with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with a bituminous binder (VG 30), transported to the site, laid over a previously prepared surface with paver finisher to the required grade, level, and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction For Grading II - (19 mm nominal size)			
	Net Total	22.500cum	@8758.31/cum	197061.98
4.008	5.2.a			
	Providing and applying tack coat with bitumen emulsion(RS) using emulsion pressure distributor at the rate of 0.20 - 0.30 kg per sqm on the prepared bituminous surface cleaned with mechanical broom.			

SI No	Specification	Quantity	Rate	Amount
	Net Total	450.000sqm	@ 11.95/sqm	5377.50
4.009	5.6.2.a			
	Providing and laying bituminous concrete with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with a bituminous binder(NRMB) @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level, and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects For Grading - II (13.2 mm Nominal Size)			
	Net Total	13.500cum	@ 13387.00/cum	180724.50
4.010	10.2			
	Maintenance of Earthen Shoulder (filling with fresh soil) Making up the loss of material/ irregularities on the shoulder to the design level by adding fresh approved soil and compacting it with appropriate equipment.			
	Net Total	802.080sqm	@ 53.74/sqm	43103.78
4.011	4.2.A.2			
	Construction of granular sub-base by providing graded material, spreading in uniform layers with a motor grader on a prepared surface, mixing by mix in-place method with rotavator at OMC, and compacting with a vibratory roller to achieve the desired density, complete as per clause 401. Grading-IV - For lower sub-base - Mix in Place Method			
	Net Total	1056.000cum	@ 3280.83/cum	3464556.48
4.012	12.4			
	Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.			
	Net Total	324.000cum	@ 6718.30/cum	2176729.20
4.013	12.8.B.1			
	Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications
 PCC Grade M20
			
	Net Total	180.000cum	@ 8377.76/cum	1507996.80
			Heading Total(Rs)	8045742.05
			Total Estimation PAC	88467153.07
6	Extra Charges			
5.001	Provision for GST			
		88467153.07	18.00%	15924087.55
			Grand Total	104391240.62
			Round off	8759.38

SI No	Specification	Quantity	Rate	Amount
			Rounded Total(Rs)	104400000.0 0
	Rupees Ten Crore Forty Four Lakh			

