

**Formation of tank across Jungle stream near Kanakkampalayam village in
Gobi Taluk of Erode District**

ALL ABSTRACT

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
1	259500.00	Sqm	Clearing the Light jungles and destroying the same effectively complying with standard specification and as directed by the Engineer in charge of the work.	3.80	Sqm	986100
2	73480.00	Sqm	Clearing scrub jungles and destroying the same effectively complying with standard specification and as directed by the Engineer in charge of the work.	3.47	Sqm	254976
3	69528.00	Cum	Earthwork excavation and depositing on the bank with initial lead of 10m and initial lift of 2m in sand, silt or other loose soil, wet sand or silt not under water, light black cotton soil , sandy loam and ordinary soil, including excavated earth and hard stiff clay, stiff black cotton, hard red earth, shales, murram, gravel, stoney earth and earth mixed with small size boulders ,soft disintegrated rock, laterite, soft rock or kankar not requiring blasting etc complete complying with standard specifications SS20B and as directed by the departmental officers	73.07	Cum	5080411
4	25344.00	Cum	Earthwork excavation for foundation and depositing on the bank with initial lead of 10m and initial lift of 2m in sand, silt or other loose soil, wet sand or silt not under water, light black cotton soil , sandy loam and ordinary soil, including excavated earth and hard stiff clay, stiff black cotton, hard red earth, shales, murram, gravel, stoney earth and earth mixed with small size boulders ,soft disintegrated rock, laterite, soft rock or kankar not requiring blasting including refilling the sides of foundation with excavated earth etc., complete complying with standard specifications SS20B and as directed by the departmental officers	152.90	Cum	3875098
5	50128.00	Cum	Extra for every additional 10 metre lead or part thereof over the initial lead of Earthwork as per standard specification and as Directed by the departmental officer. (Average 2 leads)	7.15	Cum	358415
6	50128.00	Cum	Extra for every additional 1 metre lift or part thereof over the initial Lift of Earthwork as per standard specification and as Directed by the departmental officer.(Average 2 lifts)	5.68	Cum	284727

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
7	3105.00	Cum	Earth work Excavation and depositing on bank with initial lead of 10m and initial lift of 2m in Medium rock and dense medium rock not requiring blasting. complete complying with standard specifications and as directed by the departmental officers.	181.48	Cum	563495
8	1090.00	Cum	Earth work Excavation for foundation and depositing on bank with initial lead of 10m and initial lift of 2m in Medium rock and dense medium rock not requiring blasting. complete complying with standard specifications and as directed by the departmental officers.	362.95	Cum	395616
9	1554.00	Cum	Earth work Excavation and depositing on bank with initial lead of 10m and initial lift of 2m in medium rock and dense medium rock requiring blasting. complete complying with standard specifications and as directed by the departmental officers.	251.14	Cum	390272
10	1554.00	Cum	Earth work Excavation and depositing on bank with initial lead of 10m and initial lift of 2m in Hard rock measured in solid including blasting & Stacking complete complying with standard specifications and as directed by the departmental officers.	490.91	Cum	762874
11	43.00	Cum	Earth work Excavation for foundation and depositing on bank with initial lead of 10m and initial lift of 2m in Hard rock measured in solid including blasting & Stacking complete complying with standard specifications and as directed by the departmental officers.	981.82	Cum	42218

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
12			Earthwork in all soils except hard rock requiring blasting and conveying with all leads and lifts by deploying earth moving machineries and tippers for formation of bund (SPZ) in layers of suitable thickness, depending upon type of compaction equipment deployed and not exceeding 23cm thickness, benching of slopes prior to placement of earth fill, formation of bund, sectioning extra watering to OMC and compaction of each layers to 95% of proctor density through deployment of appropriate compaction equipment (8-10 ton power roller, vibratory power roller, short width (+0.90M width drum) power roller or vibratory power roller/fuel-operated or electrical operated vibratory plate compactors ensuring compaction of designed bund section including side slopes compaction complete as per specifications etc., complete as directed by the Engineer-in-charge of the work.(for Casing Soil)			
a	45000.00	Cum	Quarrying from the Waterspread area of the Proposed tank site.	81.61	Cum	3672450
b	45000.00	Cum	Quarrying at locations outside the proposed tank project area.	270.56	Cum	12175200
13	53300.00	Cum	Earthwork in all soils except hard rock requiring blasting and conveying with all leads and lifts by deploying earth moving machineries and tippers for formation of bund (IPZ) in layers of suitable thickness, depending upon type of compaction equipment deployed and not exceeding 23cm thickness, benching of slopes prior to placement of earth fill, formation of bund, sectioning extra watering to OMC and compaction of each layers to 95% of proctor density through deployment of appropriate compaction equipment (8-10 ton power roller, vibratory power roller, short width (+0.90M width drum) power roller or vibratory power roller/fuel-operated or electrical operated vibratory plate compactors ensuring compaction of designed bund section including side slopes compaction complete as per specifications etc., complete as directed by the Engineer-in-charge of the work.(for Hearting Soil)	358.31	Cum	19097923

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
14	2270.00	Cum	Collection ,supply and spreading of 10 mm to 40mm size hard granite broken stone (ISS) in the upstream of bund and horizontal filter to a required thickness for forming metal filter including stacking to the departmental guage for premeasurements and as directed by the departmental officers.	1,410.00	Cum	3200700
15	6150.00	Cum	Supplying and filling in foundation and basement with Crushed stone sand (M sand) in layer of not more than 15cm thick.well watered, rammed and consolidated complying with standard specification.	984.70	Cum	6055905
16	6448.00	Cum	Collection ,supply and spreading of 10 mm to 80mm size hard granite broken stone (ISS) to a required thickness for forming Rock toe filter and toe filter including stacking to the departmental guage for premeasurements and as directed by the departmental officers	1,230.00	Cum	7931040
17	1100.00	Nos	Drilling Holes of 50 mm dia and 1m deep in hard granite and inserting 25mm RTS L shaped anchor rods of 2.20m length for holding foundation and fixing in position including cost of steel and grouting the anchor holes with Cement slurry with cement mortar 1:3 complete complying with standard specification and as directed by the departmental officers	740.00	Nos	814000
18	2060.00	Cum	Cement concrete of M10 Grade (Design mix)with well graded aggregates and the maximum nominal size of coarse aggregate of 40mm and down graded to IS specified grading and mixing by mixer machine (to produce concrete of the specified characteristic strength of 10N/mm2 at 28 days) including dewatering by bailing/ pumping wherever necessary laying the concrete in layers and in bays with all leads and lifts, compacting, and finishing the surface watering curing, for various depth and height below and above ground level so as to attain the profile and strength specified in the drawings as per the direction of the Engineer in charge of the work and complying with standard specification.	3938.50	Cum	8113310

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
19	3288.00	Cum	Providing and placing in position of plain Cement concrete of grade M15 (Design Mix) using machine crushed hard well graded aggregates with the nominal maximum size of coarse aggregate of 20mm down graded weigh batching the ingredients and mixing in approved mixers/batching plant (to produce concrete of the specified characteristic strength of 15 N/mm ² at 28days) transporting to the placement site in transit mixer and mechanised placement of concrete including dewatering the placement site by bailing/pumping and by diverting wherever necessary; laying the concrete in layers of not exceeding 15 cm thick and in bays; vibrating, compacting and finishing the surface with all leads and lifts; watering curing complete so as to attain the profile and strength specified in the approved drawing & specifications etc., complete as directed by the Engineer in charge of the work and as per the technical specifications.	6727.95	Cum	22121500
20	25810.00	Cum	Providing and placing in position of plain Cement concrete of grade M15 (Design Mix) using machine crushed hard well graded aggregates with the nominal maximum size of coarse aggregate of 40mm down graded weigh batching the ingredients and mixing in approved batching plant (to produce concrete of the specified characteristic strength of 15 N/mm ² at 28days)transporting to the placement site in transit mixer and mechanised placement of concrete including dewatering the placement site by bailing/pumping and by diverting wherever necessary laying the concrete in layers of not exceeding 15 cm thick and in bays vibrating, compacting and finishing the surface with all leads and lifts; watering curing complete so as to attain the profile and strength specified in the approved drawing & specifications etc., complete as directed by the Engineer in charge of the work and as per the technical specifications.	6441.70	Cum	166260277

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
21	5045.00	Cum	Providing and Placing in position of Cement Concrete grade of M20 (Design mix) using machine crushed hard well graded aggregates with the nominal maximum of coarse aggregate of 20 mm down graded weigh batching the ingredients and mixing in approved mixers/batching plant (to produce concrete of the specified characteristic strength of 20N/mm2 at 28days)transporting to the placement site in transit mixer and mechanised placement of concrete including dewatering of placement site by bailing/pumping and by diverting wherever necessary laying the concrete in layers of not exceeding 15cm thick and in bays excluding cost of centering and reinforcement but including Vibrating, compacting and finishing the surface with all leads and lifts, watering curing complete so as to attain the profile and strength specified in the approved drawing and specification etc., complete as directed by the Engineer in charge of the work and as per the technical specifications.	6900.80	Cum	34814536
22	685.00	Cum	Providing and placing in position of Reinforced cement concrete of M25 grade (Design mix) using hard well graded aggregates with the nominal maximum size of coarse aggregate of 20mm weigh batching the ingredients including necessary admixtures (Plasticiser /Super Plasticiser) in recommended proportion as per IS 9103 and mixing in approved mixers/batching plant (to produce concrete of the specified characteristic strength of 25N/mm2 at 28 days)transporting to the placement site in transit mixer and mechanised placement of concrete including dewatering the placement site by bailing/pumping and by diverting wherever necessary laying the concrete in layers of not exceeding 15cm thick and in bays excluding cost of centering and reinforcement but including vibrating, compacting and finishing the surface with all leads and lifts, watering curing complete so as to attain the profile and strength specified in the approved drawing & specifications but excluding cost of reinforcement complete as directed by the Engineer in charge of works and as per the technical specifications.	7036.40	Cum	4819934

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
23	30.00	Cum	Providing and placing Plain Cement Concrete M25 grade (Design mix) using crusher broken hard coarse aggregate (well graded) of nominal maximum size of 20mm and downgraded to I.S specified grading (To achieve the specified characteristic strength of 25N/mm ² in 28 days)transporting to the placement site in transit mixer and mechanised placement of concrete including necessary admixtures (plasticiser /Super Plasticiser) in recommended proportion as per IS 9103 and mixing the ingredients in approved mixer/ plant including dewatering of the placement site by bailing / pumping and diverting wherever necessary, placing concrete in layers and vibrating, water curing, finishing the surface with all leads and lifts etc., complete. as directed by the Engineer in charge of works and as per the technical specification..	7036.40	Cum	211092
24	1330.00	Sqm	Providing Steel Centering for Cement concrete blocks ,column footings,pedestal,plinth beam,grade beam , etc which require nominal strutting etc using MS sheets 10 gauge thick of size, beams 90cm x 60cm, Stiffened with MS angles of size 25mm x 25mm x 3mm laid over silver oak joists of size 10 cm x 6.5 cm spaced at 90 cm c/c and supported and removing the strutting after specified period without damaging the concrete laid, complying with standard specification and as directed by the departmental officers.	537.00	Sqm	714209
25	33361.00	Sqm	Providing Steel Centering for plane surfaces such as vertical walls , vertical slab , side slabs of boxing , vertical drops, facia including strutting up to 3.29 m height using MS Sheets, 10 guage thick of size 90cm x 60cm , Stiffened with MS angles of size 25mm x 25mm x 3mm laid over silver oak joists of size 10cm x 6.5cm spaced at 90cm c/c and supported by causerina poles of 10cm to 13cm diameter spaced at 75cm c/c and removing the centering and shuttering after specified period without damaging the concrete laid, complying with standard specification and as directed by the departmental officers.	676.50	Sqm	22568717

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
26	770.00	Sqm	Providing steel centering for circular vertical walls such as well syphons , circular columns etc.,including strutting upto 3.29m height using MS sheets 10 gauge thickof size, beams 90cm x 60cm, Stiffened with MS angles of size 25mm x 25mm x 3mm laid over silver oak joists of size 10 cm x 6.5 cm spaced at 90 cm c/c and supported and removing the strutting after specified period without damaging the concrete laid, complying with standard specification and as directed by the departmental officers.	1476	Sqm	1136520
27	100.00	Sqm	Providing steel centering for rectangular or square RCC columns etc.,including strutting upto 3.29m height using MS sheets 10 gauge thickof size, beams 90cm x 60cm, Stiffened with MS angles of size 25mm x 25mm x 3mm laid over silver oak joists of size 10 cm x 6.5 cm spaced at 90 cm c/c and supported and removing the strutting after specified period without damaging the concrete laid, complying with standard specification and as directed by the departmental officers.	738	Sqm	73800
28	200.00	Sqm	Providing steel centering for RCC slabs, beams etc.,including strutting upto 3.29m height using MS sheets 10 gauge thickof size, beams 90cm x 60cm, Stiffened with MS angles of size 25mm x 25mm x 3mm laid over silver oak joists of size 10 cm x 6.5 cm spaced at 90 cm c/c and supported and removing the strutting after specified period without damaging the concrete laid, complying with standard specification and as directed by the departmental officers.	615.00	Sqm	123000
29	3475.00	Sqm	Providing additional strutting to centering of RCC vertical wall of plain surfaces for every additional 1m height or part there of but not less than 30cm over the initial 3.29m height from floor level using casurina props of 10cm to 13cm dia including cross bracing etc., complete complying with standard specification and as directed by the Departmental officers.	26.00	Sqm	90350

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
30	3140.00	Cum	Jeddy stone dry packing for apron with stone of size greater than 300 mm & weight more than 40 kg obtained from approved quarries including cost of wedges for filling the gaps, conveyance of all materials and labour charges etc., complete complying with standard specification and as directed by the departmental officers.	1520.20	Cum	4773428
31	2701.00	Qtl	Supply and fabricating of steel required for all RCC works involved in the schedule including cost of steel , cost of fabrication, labour charges for cleaning the rods straightening, cutting, bending, tying, grills including over lapping to the required length wherever necessary and placing reinforcement in position as specifed in the drawing including cost of binding wire provision for space bar cover blocks and all other incidental charges etc., complete complying with standard specification and as directed by the departmental officers.	5617.15	Qtl	15171922
32	272.00	Cum	Supplying and filling in foundation and basement with conveyed gravel (suitable for filling) conveyed from the specified quarry with all leads and lifts laid in layers of not more than 15cm.thick watered, rammed and compacted etc., complete complying with standard specification and as directed by the departmental officers.	405.05	Cum	110174
33	363.00	Cum	Supplying and filling in foundation and basement with Crushed stone sand (M sand) in layer of not more than 15cm thick.well watered, rammed and consolidated complying with standard specification.	984.70	Cum	357446
34	816.00	Cum	Supplying and filling 20mm to 40mm Hard broken jelly for inverted filter with a thickness of 40cm as a filter media for concrete blocks including cost of materials, conveyance, labour charges for laying etc. complete complying with standard specification and as directed by the departmental officers.	1145.90	Cum	935054

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
35	840.00	Nos	Manufacturing supplying and placing in position of precast cement concrete blocks of size 1.50mx1.50mx0.90m made of PCC M15 design mix maximum nominal size of coarse aggregate of 40 mm and down grade to IS specified grading weigh batching the ingredients and mixing in approved batching plant (to produce concrete of the specified characteristic strength of 15 N/mm ² at 28 days) transporting to manufacture site in transit mixer and mechanised placement of concrete vibration, compaction and finishing watering, curing including moulding charges and finishing the exposed surfaces with cement mortar 1:3 12mm thick fixing steel rod of 25mm of required length to act as a hook for lifting the CC block, lifting and placing the CC block in position etc., complete complying with standard specification and as directed by the Departmental officer	18000.00	Nos	15120000
36	14550.00	Cum	Rough stone dry packing for revetment and cone wrapping new hard granite stone including stacking the stone for pre measurements complete complying with standard specification and as directed by the departmental officers	1347.90	Cum	19611945
37	404.00	Sqm	Plastering with cement mortar 1:3 (one cement and three sand) 12mm.thick complete complying with standard specifications.	177.00	Sqm	71508
38	1050.00	Rm	Supplying and fixing pvc pipes of size 75 mm dia with ISI standards (6 kg/cm ²) for providing Pressure relief holes (weep holes) etc., including all labour charges for fixing etc., complying with standard specification and as directed by the departmental officers.	150.94	Rm	158487
39	44.00	Rm	Supplying and fixing pvc pipes of size 160 mm dia with ISI standards (6 kg/cm ²) for providing Pressure relief holes (weep holes) etc., including all labour charges for fixing etc., complying with standard specification and as directed by the departmental officers.	475.00	Rm	20900
40	424.00	Sqm	Supplying and fixing Bitumen felt 15 mm thick pad for joints in the wall etc., including all labour charges for fixing etc.,complying with standard specification and as directed by the departmental officers.	207.62	Sqm	88031

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
41	104.00	Rm	Supplying and fixing PVC water Bar 150 mm wide with single bulb for expansion joint including all labour charges , conveyance charges for fixing etc., complying with standard specification and as directed by the departmental officers.	255.15	Rm	26536
42	390.00	Nos	supplying and fixing PVC coated steel rungs 30 cm length fixing with retaining wall including drilling holes and filling materials etc as directed by the departmental officers.	300.00	Nos	117000
43	3335.00	Cum	Refilling with excavated soil for upstream of above apron portion compacted by Hand roller complete complying with standard specification and as directed by the departmental officers.	38.76	Cum	129265
44			Earth work excavation in all types of strata for laying pipeline in respect of following size of pipe with standard trench width and required depth including shoring, strutting, baling out water wherever necessary and all other incidental works such as barricading, providing danger lights, labour for watch and ward etc., complete complying with standard specification and as directed by the departmental officers			
	800.00	RM	600 mm DI K9 pipe	326.91	RM	261528
	550.00	RM	500 mm DI K9 pipe	267.60	RM	147180
	400.00	RM	450 mm DI K9 pipe	245.91	RM	98364
	400.00	RM	400 mm DI K9 pipe	202.51	RM	81004
	1035.00	RM	350 mm DI K9 pipe	189.49	RM	196122
	595.00	RM	300 mm DI K9 pipe	156.22	RM	92951
	1310.00	RM	250 mm DI K9 pipe	138.86	RM	181907
	820.00	RM	200 mm DI K9 pipe	127.29	RM	104378
	138.00	RM	150 mm DI K9 pipe	114.27	RM	15769
45			Lowering of Ductile Iron (DI) Pipes and specials of following diameter in the trenches and laying to proper grade and alignment and as directed by the departmental Officers. For depth upto 2m			
	800.00	RM	600 mm DI K9 pipe	78.31	RM	62648
	550.00	RM	500 mm DI K9 pipe	63.34	RM	34837
	400.00	RM	450 mm DI K9 pipe	58.34	RM	23336
	400.00	RM	400 mm DI K9 pipe	50.02	RM	20008
	1035.00	RM	350 mm DI K9 pipe	43.47	RM	44991
	595.00	RM	300 mm DI K9 pipe	34.94	RM	20789
	1310.00	RM	250 mm DI K9 pipe	31.51	RM	41278
	820.00	RM	200 mm DI K9 pipe	24.96	RM	20467
	138.00	RM	150 mm DI K9 pipe	19.97	RM	2756

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
46			Jointing of Ductile Iron (DI) Pipes and specials of following diametre with rubber gaskets (tyton joint) including cost of lubricants (including cost of jointing materials) For depth upto 2m			
	200.00	Nos	600 mm DI K9 pipe	442.83	Nos	88566
	130.00	Nos	500 mm DI K9 pipe	325.73	Nos	42345
	100.00	Nos	450 mm DI K9 pipe	263.95	Nos	26395
	95.00	Nos	400 mm DI K9 pipe	187.10	Nos	17775
	260.00	Nos	350 mm DI K9 pipe	143.62	Nos	37341
	140.00	Nos	300 mm DI K9 pipe	131.87	Nos	18462
	300.00	Nos	250 mm DI K9 pipe	110.24	Nos	33072
	200.00	Nos	200 mm DI K9 pipe	80.18	Nos	16036
	42.00	Nos	150 mm DI K9 pipe	44.93	Nos	1887
47			Refilling the trenches with excavated earth other than sand complying with std specification and as directed by Departmental Officers			
	800.00	RM	600 mm DI K9 pipe	39.28	RM	31424
	550.00	RM	500 mm DI K9 pipe	33.00	RM	18150
	400.00	RM	450 mm DI K9 pipe	30.79	RM	12316
	400.00	RM	400 mm DI K9 pipe	25.36	RM	10144
	1035.00	RM	350 mm DI K9 pipe	24.18	RM	25026
	595.00	RM	300 mm DI K9 pipe	20.21	RM	12025
	1310.00	RM	250 mm DI K9 pipe	18.26	RM	23921
	820.00	RM	200 mm DI K9 pipe	17.05	RM	13981
	138.00	RM	150 mm DI K9 pipe	15.51	RM	2140
48			Supply and delivery of socket/spigot pipes for Ductile Iron pipes (DI CLASS K9) of standard length confirming to IS 8329/2000. The cost of pipes should include freight, transit, packing, insurance, loading, incidental charges, transportation charges and unloading, stacking at site in good condition etc., complete as directed by the Departmental officers.			
	800.00	RM	600 mm DI K9 pipe	9777.00	RM	7821600
	550.00	RM	500 mm DI K9 pipe	7383.00	RM	4060650
	400.00	RM	450 mm DI K9 pipe	6386.00	RM	2554400
	400.00	RM	400 mm DI K9 pipe	5311.00	RM	2124400
	1035.00	RM	350 mm DI K9 pipe	4426.00	RM	4580910
	595.00	RM	300 mm DI K9 pipe	3695.00	RM	2198525
	1310.00	RM	250 mm DI K9 pipe	2922.00	RM	3827820
	820.00	RM	200 mm DI K9 pipe	2181.00	RM	1788420
	138.00	RM	150 mm DI K9 pipe	1617.00	RM	223146

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
49			Supply and Delivery of DI D/F Gate Valves (soft seated) resilient seated soft sealing gate valves (sluice valves) with body bonnet of ductile cast iron of grade GGG40 or equivalent grade, wedge fully rubber lined with EPDM, replaceable spindle nut, without gland packing and with 3 O-Ring protection on the shaft and seals of NBR and the valves should be of vacuum tight and 100% leak proof with face to face dimensions as EPR BS 5163-89/ ISI 14846-2000/ DIN 3202 F 4. All the valves should be with electrostatic powder coating both inside and outside with pocket less straight thro' body passage. All the valves are to be compatible for buried application with pressure rating PN 10/16			
	3.00	Nos	250 mm CI Sluice Special Valve for Sluice points	49883.00	Nos	149649
	5.00	No	200 mm CI Sluice Special Valve for Sluice points	34360.00	No	171800
	14.00	No	150 mm CI Sluice Special Valve for Sluice points	20676.00	No	289464
	1.00	No	250 mm CI Sluice Valve for Scour Valve	49883.00	No	49883
50	0.00		Manufacture, Supply and Delivery of Tamper proof DI single chamber air release valves with pressure range from PN 1.0 to 2.5 with body and cover made of Ductile Iron of Grade GGG 40 or equivalent grade conforming to IS 1865 with Food Grade Epoxy Powder coating(EP-P) inside and for outside of colour blue RAL 5005.All internal parts such as float, shell etc., cover bolts, made of Austenitic alloy steel of SS AISI 304/316. The float shall be made of Polytetra fluoroethylene / Austenitic alloy steel of AISI 304/316. Gaskets and seals of EPDM / Neoprene rubber etc., complete complying with standard specification and as directed by the departmental officers		0.00	
	1.00	No	150 mm DI SAV	50592.00	No	50592
	3.00	Nos	100 mm DI SAV	41558.00	Nos	124674
	5.00	Nos	80 mm DI SAV	35595.00	Nos	177975
	1.00	Nos	50 mm DI SAV	26681.00	Nos	26681

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51			Construction of Valve pit of various size iand various valves including cost of Earth work excavation in all soil for foundation, Cement concrete M7.5 using 40mm HBS metal for foundation, Brick work in C.M.1:5mix for superstructure , Plastering in C.M.1:3,12mm Tk. For all exposed surface of walls , for cover slab R.C.C. M20 mix using 20mm HBS HG metal , Cut Stone in CM 1:3, Supply&fabrication of steel upto 16mm dia size rods for operating rod, Laying of DI specials/slucice valve & surface box etc. Complete Complying with standard specification and as directed by the departmental officers.			
	4.00	Nos	250 mm DI Scour valve pitat 600mm pipe	21740.00	Nos	86960
	1.00	Nos	200 mm DI Scour valve pitat 400mm pipe	19690.00	Nos	19690
	14.00	Nos	150 mm DI Sluice valve pit for 150 mm pipe line	12600.00	Nos	176400
	4.00	Nos	200 mm DI Sluice valve pit for 150 mm pipe line	12900.00	Nos	51600
	3.00	Nos	250 mm DI Sluice valve pit for 150 mm pipe line	13540.00	Nos	40620
	1.00	No	150 mm DI SAV for 600 mm pipe	33340.00	No	33340
	1.00	No	100 mm DI SAV for 500 mm pipe	24590.00	No	24590
	1.00	No	100 mm DI SAV for 450 mm pipe	23550.00	No	23550
	1.00	No	100 mm DI SAV for 400 mm pipe	19590.00	No	19590
	2.00	No	80 mm DI SAV for 350 mm pipe	16550.00	No	33100
	1.00	No	80 mm DI SAV for 300 mm pipe	13750.00	No	13750
	2.00	No	80 mm DI SAV for 250 mm pipe	12690.00	No	25380
	1.00	No	50 mm DI SAV for 200 mm pipe	10760.00	No	10760
52			Supplying of DI Specials as per IS 9523/2000 for all Flange			
	265.00	Kg	600 x 600 x 250 mm DI TEE - flanged on double socket - 1 No	118.00	Kg	31270
	266.00	Kg	500 x 500 x 200 mm DI TEE - flanged on double socket - 2 Nos	118.00	Kg	31388
	314.00	Kg	450 x 450 x 150 mm DI TEE - flanged on double socket - 2 No	118.00	Kg	37052
	95.50	Kg	400 x 400 x 200 mm DI TEE - flanged on double socket - 1 No	118.00	Kg	11269
	183.00	Kg	400 x 400 x 150 mm DI TEE - flanged on double socket - 2Nos.	118.00	Kg	21594
	310.00	Kg	350 x 350 x 150 mm DI TEE - flanged on double socket - 4 Nos	118.00	Kg	36580
	133.00	Kg	300 x 300 x 150 mm DI TEE - flanged on double socket - 2 No	118.00	Kg	15694
	77.50	Kg	350 x 350 x 200 mm DI TEE - flanged on double socket - 1 No	118.00	Kg	9145
	194.00	Kg	250 x 250 x 150 mm DI TEE - flanged on double socket - 4 No	118.00	Kg	22892

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
	674.80	Kg	150 mm DI D/F pipe of 1 M length -14 Nos.	118.00	Kg	79626
	603.40	Kg	150 mm DI pipe of 1 M length flanged with spigot- 14 Nos.	118.00	Kg	71201
	403.20	Kg	200 mm DI D/F pipe of 1 M length - 6 Nos.	118.00	Kg	47578
	240.40	Kg	200 mm DI pipe of 1 M length flanged with spigot- 4 Nos.	118.00	Kg	28367
	33.60	Kg	200 mm DI D/F pipe of 0.50M length -1 Nos.	118.00	Kg	3965
	276.00	Kg	250 mm DI D/F pipe of 1 M length -3 Nos.	118.00	Kg	32568
	246.00	Kg	250 mm DI pipe of 1 M length flanged with spigot- 3 Nos.	118.00	Kg	29028
	184.00	Kg	250 mm DI D/F pipe of 1 M length - 2 Nos for Scour valve	118.00	Kg	21712
	46.00	Kg	250 mm DI D/F pipe of 0.5 M length - 1 No for Scour valve	118.00	Kg	5428
	76.00	Kg	250 mm DI D/F Duckfoot bend - 1 no	118.00	Kg	8968
	47.00	Kg	200 mm DI D/F Duckfoot bend - 1 no	118.00	Kg	5546
	98.00	Kg	250 mm DI D/F bend - 2Nos	118.00	Kg	11564
	62.00	Kg	200 mm DI D/F bend - 2Nos	118.00	Kg	7316
53			Supplying of DI Specials as per IS 9523/2000 for all Socket			
	594.00	Kg	600 mm DI 22.5° Bend - 3 Nos	113.00	Kg	67122
	680.00	Kg	350 mm DI 22.5° Bend - 11 Nos	113.00	Kg	76840
	420.00	Kg	250 mm DI 22.5° Bend - 12 Nos	113.00	Kg	47460
	325.00	Kg	200 mm DI 22.5° Bend - 10 Nos	113.00	Kg	36725
	420.00	Kg	250 mm DI flange - 12 Nos	113.00	Kg	47460
	325.00	Kg	200 mm DI flange - 10 Nos	113.00	Kg	36725
54	2810.00	Cum	Earth work excavating and depositing on bank with initial lead of 10m & initial lift of 2m in Sand, silt or other loose soil, wet sand or silt not under water, light black cotton soil sandy loam and ordinary soil including excavated earth SS.20.B.	38.64	Cum	108578
55	1465.00	Cum	Formation of embankment with earth from quarrying place and compaction by power roller (100% compaction) including cost and conveyance of the earth to worksite, including all labour charges for laying, spreading etc, including all hire and fuel charges all tools and plants	426.73	Cum	625159

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
56	1465.00	Cum	Construction of granular sub-base by providing close graded Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 for grading V material	1331.75	Cum	1951014
57	1380.00	Cum	Providing and laying, spreading and compacting graded stone aggregates to Wet Mix Macadam 250 mm thick specification including premixing the materials with water at OMC in mechanical mix plant carriage of mixed material by tipper to site laying in uniform layers with pavers in Sub Base/ Base course on well prepared surface and compacting with vibratory roller to achieve the desired density including cost of material, labour charges, rentals for machinery, fuel and all other incidental charges etc., complete as per clause 406 of MORTH Rev-5	1580.42	Cum	2180980
58	5505.00	Sqm	Providing and laying Prime Coat over WMM surface using 7 Kg of Emulsion Bitumen (SS1) per 10 sqm for preparatory to another bituminous construction over it, including cost of material, labour charges, rentals for machinery, fuel and all other incidental charges etc., complete as per Clause 502 of MORTH Rev-5	53.66	Sqm	295398

SI No	Qty	Unit	Description of Works	Rate	/Unit	Total Amount
59	221.00	Cum	Providing and laying Bituminous Concrete to 40mm thick using 0.13cum of 19.00-9.50mm, 0.17cum of 9.50-2.36mm and 0.26cum of 2.36 and below with 50.30kgs of VG30/VG40 bitumen for premixing per10sqm including cost and conveyance of all materials to CMP site, heating the bitumen and aggregate to required temperature and mixing the min required temperature in central hot mix plant 20-30toncapacity, conveying the mix by tipper trucks to paver site, spreading the mix to uniform thickness of 40mm with mechanical paver to the specified grades and cross sections and consolidated by 8-10tonne Vibratory/Pneumatic Roller to the required density etc., including labour for attending to paver to site etc., including hire charges and fuel charges for20-30t CMP with bitumen boiler, tipper trucks, Paver Finisher/9m paver finisher, Vibratory/Pneumatic roller and all other tools and plant required, including fuel and all other incidental charges etc., complete as per specification using CMP as per clause 507 of MORTH Rev-5	7059.28	Cum	1560101
			Total			423944912

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