

ICHALKARANJI TEXTILE DEVELOPMENT CLUSTER LIMITED.					
Name of Work: Collection and Conveyance System for Industrial Waste For ITDC area.					
Sub work no: 1					
Name of Subwork: Providing, Lowering, Laying and Jointing Sewerlines in Zone- A					
ABSTRACT					
QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 1</b>	Rs.	Rupees		Rs.
	Providing at site of works and lowering, laying and jointing HDPE pipes of outer diameters confirming to IS 14333-1996 and bearing ISI mark in prepared trenches to required grade and level including cost of jointing materials, chemicals, labour required for handling and making joints etc, including hydraulic testing of pipes, refilling of trenches etc., complete.				
2993.00	i)200mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	785.29	Seven hundred eighty five and paise twenty nine only	m.	2350372.97
2124.00	ii)225mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	994.56	Nine hundred ninety four and paise fifty six only	m.	2112445.44
0.00	iii)250mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	1224.34	One thousand two hundred twenty four and paise thirty four only	m.	0
157.00	iv)280mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	1526.07	One thousand five hundred twenty six and paise seven only	m.	239592.99
4275.00	v)315mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	1926.99	One thousand nine hundred twenty six and paise ninety nine only	m.	8237882.25
271.00	vi)355mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	2444.25	Two thousand four hundred fourty four and paise twenty five only	m.	662391.75
0.00	vii)400mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	3160.01	Three thousand one hundred sixty and paise one only	m.	0
428.00	viii)450mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	4003.96	Four thousand three and paise ninety six only	m.	1713694.88
	<b>Item No. - 2</b>				
	Excavation for Sewer/Pipe trenches to the required grade and level in earth, soils of all types, sand, gravel and soft and hard murum and boulders up to 0.03Cu.m. of size including removing the excavated material upto a distance of 50m beyond the edges of trenches and lifts upto 3.00m, stacking, refilling the excavated trenches and spreading as directed, bailing out water manually only, including cost of required material if any including shoring, strutting etc., complete.				
24832.274	(Lift 0 to 1.50m. And lift 1.50 to 3.00m.)	66.00	Sixty six only	Cum.	1638930.084
128.264	(Lift 3.00 to 4.50m.)	81.00	Eighty one only	Cum.	10389.384

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 3</b>				
	Excavation for sewer/pipe trenches to the required grade and level in soft rock, boulders between 0.03 to 0.3Cu.m. in sizes and old cement and lime masonry foundation including removing the excavated materials up to a distance of 50m beyond the area and lift up to 3.00m, stacking and spreading refilling the excavated trenches as directed balling out water manually, including cost of required material if any, including shoring strutting etc., complete.				
3124.156	(Lift 0 to 1.50m. And lift 1.50 to 3.00m.)	140.00	One hundred forty only	Cum.	437381.84
354.373	(Lift 3.00 to 4.50m.)	155.00	One hundred fifty five only	Cum.	54927.815
0.148	(Lift 4.50 to 6.00m.)	170.00	One hundred seventy only	Cum.	25.16
	<b>Item No. - 4</b>				
	Excavation for sewer/pipe trenches to the required grade and level in hard rock, boulders more than 0.3 Cu.m. in sizes by chiseling, wedging, line drilling or by any mechanical means etc. including trimming and leveling, the bed removing the excavated material up to a distance of 50m beyond the area and refilling the excavated trenches lift up to 3.00m stacking as directed, including bailing out water manually only etc., complete.				
847.167	(Lift 0 to 1.50m. And lift 1.50 to 3.00m.)	400.00	Four hundred only	Cum.	338866.8
151.246	(Lift 3.00 to 4.50m.)	415.00	Four hundred fifteen only	Cum.	62767.09
11.609	(Lift 4.50 to 6.00m.)	430.00	Four hundred thirty only	Cum.	4991.87
	<b>Item No. - 5</b>				
	Dewatering the excavated trenches, foundations or any pool of water to be drained out as per direction of Engineer-in-charge. (This rate is for estimate purpose only. Tender shall have lumpsum provision for dewatering)				
Job		Lum Sum	Lum Sum	Job	13080.00
	<b>Item No. - 6</b>				
1336.00	Providing murum bedding below pipeline and filling on the top of the pipeline with selected material in 15 to 20cm layers including watering, ramming etc., complete.	20.00	Twenty only	Cum.	26720.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 7</b>				
	Providing and constructing drop connections externally for 1300mm drop from branch sewer to main sewer in MH Chamber, including inspection and cleaning eye with 200mm dia (4kg/cm <sup>2</sup> )HDPE drop pipe and bend encased all round with C.C. M:15 ,including cost all requisite material,labour and accessories required etc.,complete.				
3	Drop Arrangement upto 1.30m drop(D1 type).	5400.00	Five thousand four hundred only	No.	16200.00
4	Drop Arrangement from 1.3m to 2.20m drop(D2 type).	7590.00	Seven thousand five hundred ninety only	No.	30360.00
	<b>Item No. - 8</b>				
	Providing and laying in position Cement Concrete for RCC work using granite/black trap meta including maxing in mechanically operated mixers, compacting by mechanical or manual means as may be required and directed by Engineer-In-Charge, including steel or plywood shuttering, centering, formwork, for all elements in foundation, plinths &super structure of building works where reinforced cement concrete is proposed to be used upto + 5m from the average ground level including all labour and material complete, finishing the surface with 1:3 cement mortar.				
3.000	( For Anchor blocks.)	2600.00	Two thousand six hundred only	Cum.	7800.00
	<b>Item No. - 8A</b>				
	Providing and fixing in position reinforcement of all dia for RCC piles, pile caps, footings, foundation, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc., as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required at all locations and height all labour and materials and testing complete.				
0.300	M.S.plain bars	33000	Thirty three thousand only	M.T.	9900.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 9</b>				
	Constructing circular type manhole chamber of specified diameter and size in IInd Class B.B. Masonary 230mm thick in C.M. 1:3 upto 1.50m depth and 350mm thick below 1.50m depth, including foundation concrete 200mm thick and top R.C.C. Slab 150mm thick in grade C.C. M-20 and inside plaster, 20mm thick with sulphur resistant cement finished with a floating coat of neat cement and External pointing in C.M. 1:2 above crown level and providing channels in C.C. M-15 and finished smooth complete curing, testing etc., complete including 600mm internal dia R.C.C. precast cover 100mm thick with with requisite reinforcement and frame etc., complete (including excavation and dewatering if required) for pipes upto 600mm dia.				
	(Circular type Manhole 1.40m diameterX2.50 Depth)				
4	Chamber of Type M1,1.00m. Depth.	8727.00	Eight thousand seven hundred twenty seven only	No.	34908.00
98	Chamber of Type M2,1.30m. Depth.	9537.00	Nine thousand five hundred thirty seven only	No.	934626.00
107	Chamber of Type M3,1.60m. Depth.	10305.00	Ten thousand three hundred five only	No.	1102635.00
63	Chamber of Type M4,1.90m. Depth.	11379.00	Eleven thousand three hundred seventy nine only	No.	716877.00
33	Chamber of Type M5,2.20m. Depth.	12206.00	Twelve thousand two hundred six only	No.	402798.00
22	Chamber of Type M6,2.50m. Depth.	13033.00	Thirteen thousand thirty three only	No.	286726.00
21	Chamber of Type M7,2.80m. Depth.	13860.00	Thirteen thousand eight hundred sixty only	No.	291060.00
8	Chamber of Type M8,3.10m. Depth.	14961.00	Fourteen thousand nine hundred sixty one only	No.	119688.00
9	Chamber of Type M9,3.40m. Depth.	15815.00	Fifteen thousand eight hundred fifteen only	No.	142335.00
6	Chamber of Type M10,3.70m. Depth.	16653.00	Sixteen thousand six hundred fifty three only	No.	99918.00
3	Chamber of Type M11,4.00m. Depth.	17491.00	Seventeen thousand four hundred ninety one only	No.	52473.00
5	Chamber of Type M12,4.30m. Depth.	18329.00	Eighteen thousand three hundred twenty nine one only	No.	91645.00
1	Chamber of Type M13,4.60m. Depth.	19170.00	Nineteen thousand one hundred seventy only	No.	19170.00
1	Chamber of Type M14,4.90m. Depth.	20019.00	Twenty thousand nineteen only	No.	20019.00
0	Chamber of Type M15,5.20m. Depth.	21408.00	Twenty one thousand four hundred eight only	No.	0.00
0	Chamber of Type M16,5.50m. Depth.	22257.00	Twenty two thousand two hundred fifty seven only	No.	0.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>ItemNo.10</b>				
	Providing at the site of work and lowering, laying and jointing RCC Np3 class pipes conforming to IS:458,1988 in prepared trenches in grade and level,including hoisting, making rubber ring or collar joints inCM 1:1, including cost collar/rubber ring,jointing material like cement,sand etc.,and hydraulic testing of pipes at factory as well as on site as per the stipulation in relevant I.S.code etc., complete.				
6.75	450mm dia NP <sub>3</sub> class RCC Pipes.	800.00	Eight hundred only	m.	5400.00
5.00	600mm dia NP <sub>3</sub> class RCC Pipes.	1400.00	One thousand four hundred only	m.	7000.00
	<b>Item No. - 11</b>				
	Conveying material obtained from road cutting including all lift and beyond initial lead,laying in layers 20cm.to 30cm.incase of power roller and 45cm to 60cm in case of vibratory compactor and breaking clods,dressing to the required lines,curves, grade and section for formation of roads including levelling and disposing of surplus material in desired manner as directed by Engineer-in-charge etc., complete.				
1957.00		35.00	Thirty five only	Cum.	68495.00
	<b>Item No. - 12</b>				
	Providing and laying in position plain cement concrete using granite or black trap graded metal including mixing in a mechanically operated mixer, compacting, curing as required complete for all lifts up to a 5M. above or below the ground level where concrete is proposed, including shuttering using ordinary portland cement.				
2.000	(P.C.C.-M:15)	2300.00	Two thousand three hundred only	Cum.	4600.00
	Total				22369094.00

SCHEDULE ' B'

ICHALKARANJI TEXTILE DEVELOPMENT CLUSTER LIMITED.					
Name of Work: Collection and Conveyance System for Industrial Waste For ITDC area.					
Sub work no: 2					
Name of Subwork: Providing, Lowering, Laying and Jointing Sewerlines in Zone- B					
ABSTRACT					
QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 1</b>	Rs.	Rupees		Rs.
	Providing at site of works and lowering, laying and jointing HDPE pipes of outer diameters confirming to IS 14333-1996 and bearing ISI mark in prepared trenches to required grade and level including cost of jointing materials, chemicals, labour required for handling and making joints etc, including hydraulic testing of pipes, refilling of trenches etc., complete.				
784.00	i)200mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	785.29	Seven hundred eighty five and paise twenty nine only	m.	615667.36
499.00	ii)225mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	994.56	Nine hundred ninety four and paise fifty six only	m.	496285.44
0.00	iii)250mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	1224.34	One thousand two hundred twenty four and paise thirty four only	m.	0
0.00	iv)280mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	1526.07	One thousand five hundred twenty six and paise seven only	m.	0
513.00	v)315mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	1926.99	One thousand nine hundred twenty six and paise ninety nine only	m.	988545.87
1133.00	viii)450mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	4003.96	Four thousand three and paise ninety six only	m.	4536486.68

SCHEDULE ' B'

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 2</b>				
	Excavation for Sewer/Pipe trenches to the required grade and level in earth, soils of all types, sand, gravel and soft and hard murum and boulders up to 0.03Cu.m. of size including removing the excavated material upto a distance of 50m beyond the edges of trenches and lifts upto 3.00m, stacking, refilling the excavated trenches and spreading as directed, bailing out water manually only, including cost of required material if any including shoring, strutting etc., complete.				
6701.908	(Lift 0 to 1.50m. And lift 1.50 to 3.00m.)	66.00	Sixty six only	Cum.	442325.928
7.686	(Lift 3.00 to 4.50m.)	81.00	Eighty one only	Cum.	622.566
	<b>Item No. - 3</b>				
	Excavation for sewer/pipe trenches to the required grade and level in soft rock, boulders between 0.03 to 0.3Cu.m. in sizes and old cement and lime masonry foundation including removing the excavated materials up to a distance of 50m beyond the area and lift up to 3.00m, stacking and spreading refilling the excavated trenches as directed bailing out water manually, including cost of required material if any, including shoring strutting etc., complete.				
921.37	(Lift 0 to 1.50m. And lift 1.50 to 3.00m.)	140.00	One hundred forty only	Cum.	128991.8
37.361	(Lift 3.00 to 4.50m.)	155.00	One hundred fifty five only	Cum.	5790.96
	<b>Item No. - 4</b>				
	Excavation for sewer/pipe trenches to the required grade and level in hard rock, boulders more than 0.3 Cu.m. in sizes by chiseling, wedging, line drilling or by any mechanical means etc. including trimming and leveling, the bed removing the excavated material up to a distance of 50m beyond the area and refilling the excavated trenches lift up to 3.00m stacking as directed, including bailing out water manually only etc., complete.				
254.349	(Lift 0 to 1.50m. And lift 1.50 to 3.00m.)	400.00	Four hundred only	Cum.	101739.60
21.427	(Lift 3.00 to 4.50m.)	415.00	Four hundred fifteen only	Cum.	8892.21
	<b>Item No. - 5</b>				
	Dewatering the excavated trenches, foundations or any pool of water to be drained out as per direction of Engineer-in-charge. (This rate is for estimate purpose only. Tender shall have lumpsum provision for dewatering)				
Job		Lum Sum	Lum Sum	Job	6420.00

SCHEDULE ' B'

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 6</b>				
	Providing murum bedding below pipeline and filling on the top of the pipeline with selected material in 15 to 20cm layers including watering, ramming etc., complete.				
405.000		20.00	Twenty only	Cum.	8100.00
	<b>Item No. - 7</b>				
	Providing and constructing drop connections externally for 1300mm drop from branch sewer to main sewer in MH Chamber, including inspection and cleaning eye with 200mm dia (4kg/cm <sup>2</sup> )HDPE drop pipe and bend encased all round with C.C. M:15 ,including cost all requisite material,labour and accessories required etc.,complete.				
3	Drop Arrangement upto 1.30m drop(D1 type).	5400.00	Five thousand four hundred only	No.	16200.00
4	Drop Arrangement from 1.3m to 2.20m drop(D2 type).	7590.00	Seven thousand five hundred ninety only	No.	30360.00
	<b>Item No. - 8</b>				
	Providing and laying in position Cement Concrete for RCC work using granite/black trap meta including maxing in mechanically operated mixers, compacting by mechanical or manual means as may be required and directed by Engineer-In-Charge, including steel or plywood shuttering, centering, formwork, for all elements in foundation, plinths & super structure of building works where reinforced cement concrete is proposed to be used upto + 5m from the average ground level including all labour and material complete, finishing the surface with 1:3 cement mortar.				
3.000	( For Anchor blocks.)	2600.00	Two thousand six hundred only	Cum.	7800.00
	<b>Item No. - 8A</b>				
	Providing and fixing in position reinforcement of all dia for RCC piles, pile caps, footings, foundation, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc., as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required at all locations and height all labour and materials and testing complete. m.s. Plain bars				
0.300		33000.00	Thirty three thousand only	M.T.	9900.00

SCHEDULE ` B'

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 9</b>				
	Constructing circular type manhole chamber of specified diameter and size in IInd Class B.B. Masonary 230mm thick in C.M. 1:3 upto 1.50m depth and 350mm thick below 1.50m depth, including foundation concrete 200mm thick and top R.C.C. Slab 150mm thick in grade C.C. M-20 and inside plaster, 20mm thick with sulphur resistant cement finished with a floating coat of neat cement and External pointing in C.M. 1:2 above crown level and providing channeis in C.C. M-15 and finished smooth complete curing, testing etc., complete including 600mm internal dia R.C.C. precast cover 100mm thick with with requisite reinforcement and frame etc., complete (including excavation and dewatering if required) for pipes upto 600mm dia.				
	(Circular type Manhole 1.40m diameterX2.50 Depth)				
1	Chamber of Type M1,1.00m. Depth.	8727.00	Eight thousand seven hundred twenty seven only	No.	8727.00
25	Chamber of Type M2,1.30m. Depth.	9537.00	Nine thousand five hundred thirty seven only	No.	238425.00
45	Chamber of Type M3,1.60m. Depth.	10305.00	Ten thousand three hundred five only	No.	463725.00
17	Chamber of Type M4,1.90m. Depth.	11379.00	Eleven thousand three hundred seventy nine only	No.	193443.00
6	Chamber of Type M5,2.20m. Depth.	12206.00	Twevle thousand two hundred six only	No.	73236.00
6	Chamber of Type M6,2.50m. Depth.	13033.00	Thirteen thousand thirty three only	No.	78198.00
4	Chamber of Type M7,2.80m. Depth.	13860.00	Thirteen thousand eight hundred sixty only	No.	55440.00
2	Chamber of Type M8,3.10m. Depth.	14961.00	Fourteen thousand nine hundred sixty one only	No.	29922.00
0	Chamber of Type M9,3.40m. Depth.	15815.00	Fifteen thousand eight hundred fifteen only	No.	0.00
0	Chamber of Type M10,3.70m. Depth.	16653.00	Sixteen thousand six hundred fifty three only	No.	0.00
2	Chamber of Type M11,4.00m. Depth.	17491.00	Seventeen thousand four hundred ninety one only	No.	34982.00

SCHEDULE ' B'

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No.10</b>				
	Providing at the site of work and lowering, laying and jointing RCC Np3 class pipes conforming to IS:458,1988 in prepared trenches in grade and level,including hoisting, making rubber ring or collar joints inCM 1:1, including cost collar/rubber ring,jointing material like cement,sand etc.,and hydraulic testing of pipes at factory as well as on site as per the stipulation in relevant I.S.code etc., complete.				
5.00	450mm dia NP <sub>3</sub> class RCC Pipes.	800.00	Eight hundred only	m.	4000.00
5.00	600mm dia NP <sub>3</sub> class RCC Pipes.	1400.00	One thousand four hundred only	m.	7000.00
	<b>Item No. - 11</b>				
	Conveying material obtained from road cutting including all lift and beyond initial lead,laying in layers 20cm.to 30cm.incase of power roller and 45cm to 60cm in case of vibratory compactor and breaking clods,dressing to the required lines,curves, grade and section for formation of roads including levelling and disposing of surplus material in desired manner as directed by Engineer-in-charge etc., complete.				
674.00		35.00	Thirty five only	Cum.	23590.00
	<b>Item No. - 12</b>				
	Providing and laying in position plain cement concrete using granite or black trap graded metal including mixing in a mechanically operated mixer, compacting, curing as required complete for all lifts up to a 5M. above or below the ground level where concrete is proposed, including shuttering using ordinary portland cement.				
2.000	(P.C.C.M:15)	2300.00	Two thousand three hundred only	Cum.	4600.00
	Total Rs.				8619417.00

SCHEDULE 'B'

ICHALKARANJI TEXTILE DEVELOPMENT CLUSTER LIMITED.					
Name of Work: Collection and Conveyance System for Industrial Waste For ITDC area.					
Sub work no: 3					
Name of Subwork: Providing, Lowering, Laying and Jointing Sewerlines in Zone- D					
ABSTRACT					
QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 1</b>	Rs.	Rupees		Rs.
	Providing at site of works and lowering, laying and jointing HDPE pipes of outer diameters confirming to IS 14333-1996 and bearing ISI mark in prepared trenches to required grade and level including cost of jointing materials, chemicals, labour required for handling and making joints etc, including hydraulic testing of pipes, refilling of trenches etc., complete.				
1012.00	i) 200mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	785.29	Seven hundred eighty five and paise twenty nine only	m.	794713.48
157.00	ii) 225mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	994.56	Nine hundred ninety four and paise fifty six only	m.	156145.92
157.00	iii) 250mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	1224.34	One thousand two hundred twenty four and paise thirty four only	m.	192221.38
314.00	v) 315mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	1926.99	One thousand nine hundred twenty six and paise ninety nine only	m.	605074.86
442.00	vi) 355mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	2444.25	Two thousand four hundred forty four and paise twenty five only	m.	1080358.5
	<b>Item No. - 2</b>				
	Excavation for Sewer/Pipe trenches to the required grade and level in earth, soils of all types, sand, gravel and soft and hard murum and boulders up to 0.03Cu.m. of size including removing the excavated material upto a distance of 50m beyond the edges of trenches and lifts upto 3.00m, stacking, refilling the excavated trenches and spreading as directed, bailing out water manually only, including cost of required material if any including shoring, strutting etc., complete.				
4889.067	(Lift 0 to 1.50m. And lift 1.50 to 3.00m.)	66.00	Sixty six only	Cum.	322678.42
0.864	(Lift 3.00 to 4.50m.)	81.00	Eighty one only	Cum.	69.984

SCHEDULE 'B'

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 3</b>				
	Excavation for sewer/pipe trenches to the required grade and level in soft rock, boulders between 0.03 to 0.3Cu.m. in sizes and old cement and lime masonry foundation including removing the excavated materials up to a distance of 50m beyond the area and lift up to 3.00m, stacking and spreading refilling the excavated trenches as directed bailing out water manually, including cost of required material if any, including shoring strutting etc., complete.				
594.187	(Lift 0 to 1.50m. And lift 1.50 to 3.00m.)	140.00	One hundred forty only	Cum.	83186.18
43.038	(Lift 3.00 to 4.50m.)	155.00	One hundred fifty five only	Cum.	6670.89
0	(Lift 4.50 to 6.00m.)	170.00	One hundred only	Cum.	0.00
		C.O.		Rs.	3241119.62
	<b>Item No. - 4</b>	B.F.		Rs.	3241119.62
	Excavation for sewer/pipe trenches to the required grade and level in hard rock, boulders more than 0.3 Cu.m. in sizes by chiseling, wedging, line drilling or by any mechanical means etc. including trimming and leveling, the bed removing the excavated material up to a distance of 50m beyond the area and refilling the excavated trenches lift up to 3.00m stacking as directed, including bailing out water manually only etc., complete.				
167.619	(Lift 0 to 1.50m. And lift 1.50 to 3.00m.)	400.00	Four hundred only	Cum.	67047.60
21.258	(Lift 3.00 to 4.50m.)	415.00	Four hundred fifteen only	Cum.	8822.07
	<b>Item No. - 5</b>				
	Dewatering the excavated trenches, foundations or any pool of water to be drained out as per direction of Engineer-in-charge.				
Job		Lum Sum	Lum Sum	Job	6300.00
	<b>Item No. - 6</b>				
	Providing murum bedding below pipeline and filling on the top of the pipeline with selected material in 15 to 20cm layers including watering, ramming etc. complete				
267.000		20.00	Twenty only	Cum.	5340.00

SCHEDULE 'B'

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 7</b>				
	Providing and constructing drop connections externally for 1300mm drop from branch sewer to main sewer in MH Chamber, including inspection and cleaning eye with 200mm dia (4kg/cm <sup>2</sup> )HDPE drop pipe and bend encased all round with C.C. M:15 ,including cost all requisite material,labour and accessories required etc.,complete.				
3	Drop Arrangement upto 1.30m drop(D1 type).	5400.00	Five thousand four hundred only	No.	16200.00
4	Drop Arrangement from 1.3m to 2.20m drop(D2 type).	7590.00	Seven thousand five hundred ninety only	No.	30360.00
	<b>Item No. - 8 - Gen/C/3A/page6</b>				
	Providing and laying in position Cement Concrete for RCC work using granite/black trap meta including maxing in mechanically operated mixers, compacting by mechanical or manual means as may be required and directed by Engineer-In-Charge, including steel or plywood shuttering, centering, formwork, for all elements in foundation, plinths &				
	super structure of building works where reinforced cement concrete is proposed to be used upto + 5m from the average ground level including all labour and material complete, finishing the surface with 1:3 cement mortar. ( For Anchor blocks.)				
3.000		2600.00	Two thousand six hundred only	Cum.	7800.00
	<b>Item No. - 8A</b>				
	Providing and fixing in position reinforcement of all dia for RCC piles, pile caps, footings, foundation, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc., as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required at all locations and height all labour and materials and testing complete. M.S.plain bars				
0.300		33000	Thirty three thousand only	M.T.	9900.00

SCHEDULE 'B'

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 9</b>				
	Constructing circular type manhole chamber of specified diameter and size in IInd Class B.B. Masonary 230mm thick in C.M. 1:3 upto 1.50m depth and 350mm thick below 1.50m depth, including foundation concrete 200mm thick and top R.C.C. Slab 150mm thick in grade C.C. M-20 and inside plaster, 20mm thick with sulphur resistant cement finished with a floating coat of neat cement and External pointing in C.M. 1:2 above crown level and providing channels in C.C. M-15 and finished smooth complete curing, testing etc., complete including 600mm internal dia R.C.C. precast cover 100mm thick with with requisite reinforcement and frame etc., complete (including excavation and dewatering if required) for pipes upto 600mm dia.				
	(Circular type Manhole 1.40m diameter X 2.50 Depth)				
16	Chamber of Type M2, 1.30m. Depth.	9537.00	Nine thousand five hundred thirty seven only	No.	152592.00
29	Chamber of Type M3, 1.60m. Depth.	10305.00	Ten thousand three hundred five only	No.	298845.00
16	Chamber of Type M4, 1.90m. Depth.	11379.00	Eleven thousand three hundred seventy nine only	No.	182064.00
5	Chamber of Type M5, 2.20m. Depth.	12206.00	Twelve thousand two hundred six only	No.	61030.00
3	Chamber of Type M6, 2.50m. Depth.	13033.00	Thirteen thousand thirty three only	No.	39099.00
2	Chamber of Type M7, 2.80m. Depth.	13860.00	Thirteen thousand eight hundred sixty only	No.	27720.00
3	Chamber of Type M8, 3.10m. Depth.	14961.00	Fourteen thousand nine hundred sixty one only	No.	44883.00
2	Chamber of Type M9, 3.40m. Depth.	15815.00	Fifteen thousand eight hundred fifteen only	No.	31630.00
2	Chamber of Type M10, 3.70m. Depth.	16653.00	Sixteen thousand six hundred fifty three only	No.	33306.00
0	Chamber of Type M11, 4.00m. Depth.	17491.00	Seventeen thousand four hundred ninety one only	No.	0.00
0	Chamber of Type M12, 4.30m. Depth.	18329.00	Eighteen thousand three hundred twenty nine one only	No.	0.00
0	Chamber of Type M13, 4.60m. Depth.	19170.00	Nineteen thousand one hundred seventy only	No.	0.00
0	Chamber of Type M14, 4.90m. Depth.	20019.00	Twenty thousand nineteen only	No.	0.00
0	Chamber of Type M15, 5.20m. Depth.	21408.00	Twenty one thousand four hundred eight only	No.	0.00
0	Chamber of Type M16, 5.50m. Depth.	22257.00	Twenty two thousand two hundred fifty seven only	No.	0.00

SCHEDULE 'B'

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>ItemNo.10</b>				
	Providing at the site of work and lowering, laying and jointing RCC Np3 class pipes conforming to IS:458,1988 in prepared trenches in grade and level,including hoisting, making rubber ring or collar joints inCM 1:1, including cost collar/rubber ring,jointing material like cement,sand etc.,and hydraulic testing of pipes at factory as well as on site as per the stipulation in relevant I.S.code etc., complete.				
5.00	450mm dia NP <sub>3</sub> class RCC Pipes.	800.00	Eight hundred only	m.	4000.00
	<b>Item No. - 11 -Rd/A/1/page75.</b>				
	Conveying material obtained from road cutting including all lift and beyond initial lead,laying in layers 20cm.to 30cm.incase of power roller and 45cm to 60cm in case of vibratory compactor and breaking clods,dressing to the required lines,curves, grade and section for formation of roads including levelling and disposing of surplus material in desired manner as directed by Engineer-in-charge etc., complete.				
386.00		35.00	Thirty five only	Cum.	13510.00
	<b>Item No. - 12 - Gen/C/1/page6.</b>				
	Providing and laying in position plain cement concrete using granite or black trap graded metal including mixing in a mechanically operated mixer, compacting, curing as required complete for all lifts up to a 5M. above or below the ground level where concrete is proposed, including shuttering using ordinary portland cement.				
2.000	I)(P.C.C.M:15)	2300.00	Two thousand three hundred only	Cum.	4600.00
	Total Rs.				4286169.00

ICHALKARANJI TEXTILE DEVELOPMENT CLUSTER LIMITED.					
Name of Work: Collection and Conveyance System for Industrial Waste For ITDC area.					
Sub work no: 4					
Name of Subwork: Providing, Lowering, Laying and Jointing Sewerlines in Zone- E					
ABSTRACT					
QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 1</b>	Rs.	Rupees		Rs.
	Providing at site of works and lowering, laying and jointing HDPE pipes of outer diameters confirming to IS 14333-1996 and bearing ISI mark in prepared trenches to required grade and level including cost of jointing materials, chemicals, labour required for handling and making joints etc, including hydraulic testing of pipes, refilling of trenches etc., complete.				
927.00	i) 200mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	785.29	Seven hundred eighty five and paise twenty nine only	m.	727963.83
0.00	ii) 225mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	994.56	Nine hundred ninety four and paise fifty six only	m.	0.00
57.00	iii) 250mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	1224.34	One thousand two hundred twenty four and paise thirty four only	m.	69787.38
0.00	iv) 280mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	1526.07	One thousand five hundred twenty six and paise seven only	m.	0.00
228.00	v) 315mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	1926.99	One thousand nine hundred twenty six and paise ninety nine only	m.	439353.72
371.00	vi) 355mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	2444.25	Two thousand four hundred forty four and paise twenty five only	m.	906816.75
29.00	vii) 400mm dia.H.D.P.E.pipe(4kg/cm <sup>2</sup> )of PE-63	3160.01	Three thousand one hundred sixty and paise one only	m.	91640.29
	<b>Item No. - 2</b>				
	Excavation for Sewer/Pipe trenches to the required grade and level in earth, soils of all types, sand, gravel and soft and hard murum and boulders up to 0.03Cu.m. of size including removing the excavated material upto a distance of 50m beyond the edges of trenches and lifts upto 3.00m, stacking, refilling the excavated trenches and spreading as directed, bailing out water manually only, including cost of required material if any including shoring, strutting etc., complete.				
3759.906	(Lift 0 to 1.50m. And lift 1.50 to 3.00m.)	66.00	Sixty six only	Cum.	248153.80
16.560	(Lift 3.00 to 4.50m.)	81.00	Eighty one only	Cum.	1341.36

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 3</b>				
	Excavation for sewer/pipe trenches to the required grade and level in soft rock, boulders between 0.03 to 0.3Cu.m. in sizes and old cement and lime masonry foundation including removing the excavated materials up to a distance of 50m beyond the area and lift up to 3.00m, stacking and spreading refilling the excavated trenches as directed balling out water manually, including cost of required material if any, including shoring strutting etc., complete.				
475.6	(Lift 0 to 1.50m. And lift 1.50 to 3.00m.)	140.00	One hundred forty only	Cum.	66584.00
71.288	(Lift 3.00 to 4.50m.)	155.00	One hundred fifty five only	Cum.	11049.64
	<b>Item No. - 4</b>				
	Excavation for sewer/pipe trenches to the required grade and level in hard rock, boulders more than 0.3 Cu.m. in sizes by chiseling, wedging, line drilling or by any mechanical means etc. including trimming and leveling, the bed removing the excavated material up to a distance of 50m beyond the area and refilling the excavated trenches lift up to 3.00m stacking as directed, including bailing out water manually only etc., complete.				
122.185	(Lift 0 to 1.50m. And lift 1.50 to 3.00m.)	400.00	Four hundred only	Cum.	48874.00
34.266	(Lift 3.00 to 4.50m.)	415.00	Four hundred fifteen only	Cum.	14220.39
	<b>Item No. - 5</b>				
Job	Dewatering the excavated trenches, foundations or any pool of water to be drained out as per direction of Engineer-in-charge. (This rate is for estimate purpose only. Tender shall have lumpsum provision for dewatering)	Lum Sum	Lum Sum	Job	6240.00
	<b>Item No. - 6</b>				
	Providing murum bedding below pipeline and filling on the top of the pipeline with selected material in 15 to 20cm layers including watering, ramming etc., complete.				
207.000		20.00	Twenty only	Cum.	4140.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 7</b>				
	Providing and constructing drop connections externally for 1300mm drop from branch sewer to main sewer in MH Chamber, including inspection and cleaning eye with 200mm dia (4kg/cm <sup>2</sup> )HDPE drop pipe and bend encased all round with C.C. M:15,including cost all requisite material,labour and accessories required etc.,complete.				
3	Drop Arrangement upto 1.30m drop(D1 type).	5400.00	Five thousand four hundred only	No.	16200.00
4	Drop Arrangement from 1.3m to 2.20m drop(D2 type).	7590.00	Seven thousand five hundred ninety only	No.	30360.00
	<b>Item No. - 8</b>				
	Providing and laying in position Cement Concrete for RCC work using granite/black trap meta including maxing in mechanically operated mixers, compacting by mechanical or manual means as may be required and directed by Engineer-In-Charge, including steel or plywood shuttering, centering, formwork, for all elements in foundation, plinths &super structure of building works where reinforced cement concrete is proposed to be used upto + 5m from the average ground level including all labour and material complete, finishing the surface with 1:3 cement mortar.				
1.000	( For Anchor blocks.)	2600.00	Two thousand six hundred only	Cum.	2600.00
	<b>Item No. - 8A</b>				
0.100	Providing and fixing in position reinforcement of all dia for RCC piles, pile caps, footings, foundation, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc., as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required at all locations and height all labour and materials and testing complete. M.S.plain bars	33000.00	Thirty three thousand only	M.T.	3300.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 9</b>				
	Constructing circular type manhole chamber of specified diameter and size in IIInd Class B.B. Masonary 230mm thick in C.M. 1:3 upto 1.50m depth and 350mm thick below 1.50m depth, including foundation concrete 200mm thick and top R.C.C. Slab 150mm thick in grade C.C. M-20 and inside plaster, 20mm thick with sulphur resistant cement finished with a floating coat of neat cement and External pointing in C.M. 1:2 above crown level and providing channeis in C.C. M-15 and finished smooth complete curing, testing etc., complete including 600mm internal dia R.C.C. precast cover 100mm thick with with requisite reinforcement and frame etc., complete (including excavation and dewatering if required) for pipes upto 600mm dia.				
	(Circular type Manhole 1.40m diameterX2.50 Depth)				
26	Chamber of Type M2,1.30m. Depth.	9537.00	Nine thousand five hundred thirty seven only	No.	247962.00
16	Chamber of Type M3,1.60m. Depth.	10305.00	Ten thousand three hundred five only	No.	164880.00
2	Chamber of Type M4,1.90m. Depth.	11379.00	Eleven thousand three hundred seventy nine only	No.	22758.00
4	Chamber of Type M5,2.20m. Depth.	12206.00	Twevle thousand two hundred six only	No.	48824.00
2	Chamber of Type M6,2.50m. Depth.	13033.00	Thirteen thousand thirty three only	No.	26066.00
2	Chamber of Type M7,2.80m. Depth.	13860.00	Thirteen thousand eight hundred sixty only	No.	27720.00
0	Chamber of Type M8,3.10m. Depth.	14961.00	Fourteen thousand nine hundred sixty one only	No.	0.00
2	Chamber of Type M9,3.40m. Depth.	15815.00	Fifteen thousand eight hundred fifteen only	No.	31630.00
1	Chamber of Type M10,3.70m. Depth.	16653.00	Sixteen thousand six hundred fifty three only	No.	16653.00
3	Chamber of Type M11,4.00m. Depth.	17491.00	Seventeen thousand four hundred ninety one only	No.	52473.00
0	Chamber of Type M12,4.30m. Depth.	18329.00	Eighteen thousand three hundred twenty nine one only	No.	0.00
0	Chamber of Type M13,4.60m. Depth.	19170.00	Nineteen thousand one hundred seventy only	No.	0.00
0	Chamber of Type M14,4.90m. Depth.	20019.00	Twenty thousand nineteen only	No.	0.00
0	Chamber of Type M15,5.20m. Depth.	21408.00	Twenty one thousand four hundred eight only	No.	0.00
0	Chamber of Type M16,5.50m. Depth.	22257.00	Twenty two thousand two hundred fiftyseven only	No.	0.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>ItemNo.10</b>				
	laying and jointing RCC Np3 class pipes conforming to IS:458,1988 in prepared trenches in grade and level,including hoisting, making rubber ring or collar joints inCM 1:1, including cost collar/rubber ring,jointing material like cement,sand etc.,and hydraulic testing of pipes at factory as well as on site as per the stipulation in relevant I.S.code etc., complete.				
5.00	450mm dia NP <sub>3</sub> class RCC Pipes.	800.00	Eight hundred only	M.	4000.00
5.00	600mm dia NP <sub>3</sub> class RCC Pipes.	1400.00	One thousand four hundred only	M.	7000.00
	<b>Item No. - 11</b>				
	Conveying material obtained from road cutting including all lift and beyond initial lead,laying in layers 20cm.to 30cm.incase of power roller and 45cm to 60cm in case of vibratory compactor and breaking clods,dressing to the required lines,curves, grade and section for formation of roads including levelling and disposing of surplus material in desired manner as directed by Engineer-in-charge etc., complete.				
299.00		35.00	Thirty five only	Cum.	10465.00
	<b>Item No. - 12</b>				
	Providing and laying in position plain cement concrete using granite or black trap graded metal including mixing in a mechanically operated mixer, compacting, curing as required complete for all lifts up to a 5M. above or below the ground level where concrete is proposed, including shuttering using ordinary portland cement.				
1.000	(P.C.C.M:15)	2300.00	Two thousand three hundred only	Cum.	2300.00
	Total Rs.				3351357.00

<b>ICHALKARANJI TEXTILE DEVELOPMENT CLUSTER LIMITED.</b>					
Name of Work: Collection and Conveyance System for Industrial Waste For ITDC area.					
Sub work no: 5					
Name of Subwork: Construction of Sump and pump-house-I, at point "D"					
<b>ABSTRACT</b>					
QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
		Rs.	Rupees		Rs.
	<b>Item No. - 1 - Gen/A/1</b>				
	Excavation in trenches, pits, pipe lines, foundations, column footings, walls etc., in earth's soils of all types, gravel, sand, soft and hard murum, and boulders up to 0.03cum size, including removing the excavated material upto a distance of 50m beyond the edge of excavation, including the initial lift of 1.5m, stacking or spreading as directed, bailing of sub-soil water if any preparing base for foundation etc., and backfilling the excavated pit or trench using the excavated material in layers including watering and ramming as required or as directed by Engineer-in-charge including all labour and materials complete.				
74.13	Lift 0 to 1.50m.	50.00	Fifty only	Cum.	3706.50
62.78	Lift 1.50 to 3.00m.	56.00	Fifty six only	Cum.	3515.68
	<b>Item No. - 2 - Gen/A/3</b>				
	Excavation for trenches, pits, pipelines, foundations, column footings, walls etc. in soft rock and boulders between 0.03 and 0.30cum in size, for a depth up to 1.5m including removing the excavated materials upto a distance of 50m beyond the edges of trenches/pits etc., breaking the boulders into 225mm size rubble including stacking the same (rubble as well as soft rock) and/or spreading as directed, bailing out water if any, preparing the bed for foundations and necessary backfilling the excavated pit/trench as directed by Engineer-in-charge all labour and materials etc., complete.				
52.88	Lift 3.00 to 4.50m.	132.00	One hundred thirty two only	Cum.	6980.16
	<b>Item No. - 3 - Gen/A/7</b>				
	Excavation for trenches/pits, cables for pipe lines, foundations, column footings, drainage lines etc. in Hard Rock, Manjarya Rock and laterite by chiselling, wedging, linedrilling or any other mechanical means pavements breakers etc. including trimming and levelling the bed, removing the excavated materials upto a distance of 50 m beyond the edges of trenches/pits including the initial lift of 1.5m, stacking as directed, de-watering, backfilling inlayers, watering, ramming etc. as required or as directed by the Engineer-in-charge, all labour and materials complete.				
52.88	Lift 4.5.00 to 6.0m.	427.00	Four hundred twenty seven only	Cum.	22579.76
8.81	Lift 6.00 to 7.50m.	436.00	Four hundred thirty six only	Cum.	3841.16

	<b>Item No. - 4 - Rd/G/11/page88</b>				
	Providing dry rubble pitching using sufficiently large face stones having area not less than 600cm <sup>2</sup> of approved quality for an average depth of 225mm including providing one pin header not less 450mm depth in one sqm. Of pitching area, knocking down the corners, wedging, watering, borrowing the murum for filling voids and dusting murum with gunny bags including toe walls in M:10 CC300x230mm embedded 150mm in ground to provide a keywall to pitching and M:10CC band at top of pitching having size 250x100mm (Quarry rubble pitching)				
9.17	For levelling coarse of raftslab.	444.44	Four hundred forty four and paise forty four only	Cum.	4075.51
	<b>Item No. - 5 - Gen/C/1</b>				
	Providing and laying in position plain cement concrete using granite or black trap graded metal including mixing in a mechanically operated mixer, compacting, curing as required complete for all lifts up to a 5M. above or below the ground level where concrete is proposed, including shuttering using ordinary portland cement.PCC 1:3:6				
4.52	For levelling coarse of raftslab.	1800.00	One thousand eight hundred only	Cum.	8136.00
	<b>Item No. - 6 - Gen/C/3A</b>	B.F.		Rs.	0.00
	Providing and laying in position Cement Concrete for RCC work using granite/black trap meta including maxing in mechanically operated mixers, compacting by mechanical or manual means as may be required and directed by Engineer-In-Charge, including steel or plywood shuttering, centering, formwork, for all elements in foundation, plinths & super structure of building works where reinforced cement concrete is proposed to be used upto + 5m from the average ground level including all labour and material complete, finishing the surface with 1:3 cement mortar.RCC 1:1.5:3				
7.93	For bottom slab	3000.00	Three thousand only	Cum.	23790.00
18.11	For wall	3000.00	Three thousand only	Cum.	54330.00
1.43	For beam	3000.00	Three thousand only	Cum.	4290.00
3.87	for slab	3000.00	Three thousand only	Cum.	11610.00
	<b>Item No. - 7 - Gen/C/9</b>				
	Providing and fixing in position reinforcement of all dia for RCC piles, pile caps, footings, foundation, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc., as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required at all locations and height all labour and materials and testing complete.				
0.705	Mild Steel	33000.00	Thirty three thousand only	M.T.	23265.00

	<b>Item No. - 8 - Gen/C/9</b>				
	Providing and fixing in position reinforcement of all dia for RCC piles, pile caps, footings, foundation, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc., as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required at all locations and height all labour and materials and testing complete.				
2.821	Tor Steel	33000.00	Thirty three thousand only	M.T.	93093.00
	<b>Item No. - 9 - WS/D/2</b>				
	Providing at departmental store and fixing C.I. Manhole cover (rectangular or circular) with frame bearing IS:1726-1974 (Part I - VII) mark with locking arrangement including taxes and duties except octroi.				
90	On floor of Sump	38.00	Thirty eight only	Kg.	3420.00
	<b>Item No. - 10 - WS/D/3</b>				
	Providing at department stores and fixing C.I. Steps weighing 2.5Kg. each bearing IS:5455-1969 mark including taxes and duties except octroi.				
19	Inside Sump	90.00	Ninety only	No.	1710.00
	<b>Item No. - 11A - Gen/F/2</b>				
	Providing plaster in cement mortar in 1:3 without neeru finishing to concrete or masonry surface in all position including scaffolding and curing complete.12mm thick single coat.				
50.14	Lift 0 to 3.50m.	90.00	Ninety only	sqm.	4512.60
50.14	Lift 3.50 to 7.00m.	90.00	Ninety only	sqm.	4512.60
	<b>Item No. - 11B - Rd/D/5/page80</b>				
	Providing and erecting railing of galvanized iron pipes of 40mm diameter horizontals in 2 rows and 40mm diameter G.I. pipes vertical having a height of 0.90m at 2m intervals, screwed joints and one coat of anti corrosive and two coats of decorative multicolor paint etc., complete. (G.I. Pipe - A Class) including cost base plate and nut bolts.				
17.52	Around pump-house at floor level	545.00	Five hundred forty five only	m.	9548.40

	<b>Item No. - 12A - Dr/B/7</b>				
	Providing at site of works and lowering, laying and jointing HDPE pipes of outer diameters confirming to IS 14333-1996 and bearing ISI mark in prepared trenches to required grade and level including cost of jointing materials, chemicals, labour required for handling and making joints etc. including hydraulic testing of pipes, refilling of trenches etc. complete				
8.00	110mm dia.HDPE pipe(for ventpipe purpose.)	280.00	Two hundred eighty only	m.	2240.00
	<b>Item No. - 12B - Bd/F/22</b>				
	Providing and fixing in position, A.C. ventilator cowl etc., complete slotted type/cone type.(101.60mm dia.)				
2	For cowl type ventilator	60.00	Sixty only	No.	120.00
	<b>Item No. - 13 - Bd/E/9</b>				
	Providing and applying F.R.P.Acid or Alkaline proof lining from inside and bottom RCC sump of approved make , including scaffolding, preparing the surface curing if required etc., complete with all lifts.				
100.28	Inside and bottom of sump.	500.00	Five hundred only	sqm.	50140.00
	<b>Item No. -14 -</b>				
	Removing and transporting the excavated surplus materials of all categories and disposing of the same as directed including loading,conveying,spreading or stacking beyond the initial lead of 50m.as directed etc. complete				
124.95	PWD lead statementC1/page381	72.09	Seventy two and paise nine only	Cum.	9007.65
	<b>Item No. -15 -</b>				
	Providing and fixing M..chequered plate flooring of 8mm thickness on M.S.angles of 25x25x5mm size including welding,cutting and fabricatin the plates to the requird square or round shape,making holes in the plates,including providing and applying 3 coats of anticorrossive paint etc., complete as directed by				
1.8	Engineer-in-charge.	3135.00	Three thousand one hundred thirty five only	sqm.	5643.00
	<b>Item No. - 16 -</b>				
	Providing at site of works and lowering, laying and jointing HDPE pipes of outer diameters confirming to IS 14333-1996 and bearing ISI mark in prepared trenches to required grade and level including cost of jointing materials, chemicals, labour required for handling and making joints etc, including hydraulic testing of pipes, refilling of trenches etc., complete.				
13.00	For inlet and outlet.(355mm dia.HDPE 4Kg/cm <sup>2</sup> )	2444.25	Two thousand four hundred forty four and paise twenty five only	m.	31775.25

	<b>Item No. - 17</b>				
	Providing IInd class burnt birck masonry with conventional type bricks in foundation and plinth including bailing out water,striking out joints on exposed faces,scaffolding, curing etc., complete.In CM 1:6				
0.41	For steps.	1900.00	One thousand nine hundred only	cum.	779.00
	<b>PUMP-HOUSE</b>				
	<b>Item No. - 18</b>				
	Providing IInd class burnt birck masonry with conventional type bricks in cement mortar for super structures upto 5.0m height above plinth level of building or super structures of first floor including striking out joints on face where plaster is to be done scaffolding curing etc., complete.In CM 1:6				
7.23	For superstructure	1975.00	One thousand nine hundred seventy five only	cum.	14279.25
	<b>Item No. - 19 - Bd/B/7</b>				
	Providing and fixing superior quality factory made flush door, sold core Commercial type hot pressed with veneer finish on one face in single piece, conforming to IS:2202-1991 (Part I, II) with three coats of French polishing for veneer face and one coat of primer and two coats of synthetic enamel paint on other face with 12mm thick teak wood lipping all around etc., complete.(35mm thick shutter)				
2.52	Entrance door	975.00	Nine hundred seventy five only	sqm.	2457.00
	<b>Item No. - 20</b>				
	Providing and fixing mild steel windows conforming to IS:2835-1987 with shutter, fully glazed with 4mm thick plain/frosted sheet glass conforming to IS:1761 with necessary hold fast, Iron copper oxidised fixtures as per latest practices, steel sections conforming to relevant Indian Standards and painting with one coat of approved anticorrosive paint and two coats of synthetic enamel paint etc., complete with 10mm x 10mm x 3mm M. S. angles beading or 10mm x 10mm aluminum channel of 20 gauge thick beading fixed all around duly screwed with GI screws, fixed to the window shutter frames and sash bars with suitable thickness, rubber gaskets between glass and frame thickness and position rightly including necessary superior quality putty etc. complete.				
	b)with guard bar10mm square bar at 125mm c/c.				
1.80	for windows.	1400.00	One thousand four hundred only	sqm.	2520.00

	<b>Item No. - 21</b>				
	Providing and laying in position Cement Concrete for RCC work using granite/black trap meta including maxing in mechanically operated mixers, compacting by mechanical or manual means as may be required and directed by Engineer-In-Charge, including steel or plywood shuttering, centering, formwork, for all elements in foundation, plinths & super structure of building works where reinforced cement concrete is proposed to be used upto + 5m from the average ground level including all labour and material complete, finishing the surface with 1:3 cement mortar.				
2.08	For RCC Slab	3000.00	Three thousand only	cum.	6240.00
1.26	For RCC beams, Lintels, Chhajjas	3000.00	Three thousand only	cum.	3780.00
	<b>Item No. - 22 - Gen/C/9</b>				
	Providing and fixing in position reinforcement of all dia for RCC piles, pile caps, footings, foundation, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc., as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required at all locations and height all labour and materials and testing complete.				
0.064	Mild Steel	33000.00	Thirty three thousand only	M.T.	2112.00
0.254	Tor Steel	33000.00	Thirty three thousand only	M.T.	8382.00
	<b>Item No. - 23</b>				
	Providing plaster in cement mortar in 1:3 without neeru finishing to concrete or masonry surface in all position including scaffolding and curing complete. 12mm thick single coat.				
32.52	from inside of pump-house	90.00	Ninety only	sqm.	2926.80
9.62	to ceiling	96.00	Ninety six only	sqm.	923.52
	<b>Item No. - 24</b>				
	Providing sand faced plaster (sponged external) in cement mortar 1:3 in all positions including base coat scaffolding, keeping the surface of base coat rough to receive sand faced treatment, curing etc., complete.				
43.54	from outside of pump-house	120.00	One hundred twenty only	sqm.	5224.80

	<b>Item No. - 25</b>				
	Providing Indian patent stone flooring 40mm thick with M-20 grade concrete using 6mm to 20mm metal over bedding laid in proper grade and slope in alternate bays, including compaction, filling joints with bitumen and sand, marking lines, to give appearance of tiles, finishing smooth with extra cement, curing etc., complete.				
10.97	for flooring of pump-house and steps.	150.00	One hundred fifty only	sqm.	1645.50
	<b>Item No. - 26 -</b>				
	Providing and fixing in position Copper lightning conductor including copper rod of 20mm dia. upper terminal 1.50m. long with a knob at the end with a conical spike at top Aluminium tape conductor 20x3mm size, Copper earthplate of 3mm thick and 0.81sqm. in area clamps at 1m.c/c, including necessary excavation, laying & fixing the conductor				
	Providing and fixing 40mm G.I. pipe upto 3.00m from ground and 0.50m. below ground including making all connections, filling the earthing pit with charcoal, salt etc., and refilling and watering etc., complete as per specifications laid down in relevant I.S. Codes (for Conductor length 6.50m.)				
1		3372.50	seventy two and paise fifty only	No.	3372.50
	<b>Item No. 27</b>				
	Providing and making electrification in and outside the pump-house, excluding that is required for pumps, including all requisite material and labour etc., complete.				
Job.	for single phase lighting for pumphouse.	Lump-sum	Lump-sum	ump-sur	2000.00
	Total Rs.				442485.00

ICHALKARANJI TEXTILE DEVELOPMENT CLUSTER LIMITED.					
Name of Work: Collection and Conveyance System for Industrial Waste For ITDC area.					
Sub work no: 6					
Name of Subwork: Construction of Sump and pump-house-II, at point "E", near Yashwant Process.					
ABSTRACT					
QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
		Rs.	Rupees		Rs.
<b>Item No. - 1</b>					
	Excavation in trenches, pits, pipe lines, foundations, column footings, walls etc., in earth's soils of all types, gravel, sand, soft and hard murum, and boulders up to 0.03cum size, including removing the excavated material upto a distance of 50m beyond the edge of excavation, including the initial lift of 1.5m, stacking or spreading as directed, bailing of sub-soil water if any preparing base for foundation etc., and backfilling the excavated pit or trench using the excavated material in layers including watering and ramming as required or as directed by Engineer-in-charge, including all labour and materials complete.				
106.93	Lift 0 to 1.50m.	50.00	Fifty only	Cum.	5346.50
93.32	Lift 1.50 to 3.00m.	56.00	Fifty six only	Cum.	5225.92
<b>Item No. - 2</b>					
	Excavation for trenches, pits, pipelines, foundations, column footings, walls etc. in soft rock and boulders between 0.03 and 0.30cum in size, for a depth up to 1.5m including removing the excavated materials upto a distance of 50m beyond the edges of trenches/pits etc., breaking the boulders into 225mm size rubble including stacking the same (rubble as well as soft rock) and/or spreading as directed, bailing out water if any, preparing the bed for foundations and necessary backfilling the excavated pit/trench as directed by Engineer-in-charge all labour and materials etc., complete.				
81.16	Lift 3.00 to 4.50m.	132.00	One hundred thirty two only	Cum.	10713.12
27.05	Lift 4.50 to 6.00m.	138.00	One hundred thirty eight only	Cum.	3732.9
ABSTRACT					
QUANTITY	ITEM	RATE		UNIT	AMOUNT

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 3</b>				
	Excavation for trenches/pits, cables for pipe lines, foundations, column footings, drainage lines etc. in Hard Rock, Manjarya Rock and laterite by chiselling, wedging, linedrilling or any other mechanical means pavements breakers etc. including trimming and levelling the bed, removing the excavated materials upto a distance of 50 m beyond the edges of trenches/pits including the initial lift of 1.5m, stacking as directed, de-watering, backfilling inlayers, watering, ramming etc. as required or as directed by the Engineer-in-charge, all labour and materials complete.				
54.11	Lift 4.50 to 6.00m.	427.00	Four hundred twenty seven only	Cum.	23104.97
64.39	Lift 6.00 to 7.50m.	436.00	Four hundred thirty six only	Cum.	28074.04
	<b>Item No. - 4</b>				
	Providing dry rubble pitching using sufficiently large face stones having area not less than 600cm <sup>2</sup> of approved quality for an average depth of 225mm including providing one pin header not less 450mm depth in one sqm. Of pitching area,knocking down the corners,wedging,watering,borrowing the murum for filling voids and dusting murum with gunny bags including toe walls in M:10 CC300x230mm embedded 150mm in ground to provide a keywall to pitching and M:10CC band at top of pitching having size 250x100mm (Quarry rubble pitching.)				
14.37	For levelling coarse of raftslab.	444.44	Four hundred forty four and paise forty four only	Cum.	6386.60
	<b>Item No. - 5</b>				
	Providing and laying in position plain cement concrete using granite or black trap graded metal including mixing in a mechanically operated mixer, compacting, curing as required complete for all lifts up to a 5M. above or below the ground level where concrete is proposed, including shuttering using ordinary portland cement.PCC 1:3:6				
7.12	For levelling coarse of raftslab.	1800.00	One thousand eight hundred only	Cum.	12816.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 6</b>				
	Providing and laying in position Cement Concrete for RCC work using granite/black trap meta including maxing in mechanically operated mixers, compacting by mechanical or manual means as may be required and directed by Engineer-In-Charge, including steel or plywood shuttering, centering, formwork, for all elements in foundation, plinths & super structure of building works where reinforced cement concrete is proposed to be used upto + 5m from the average ground level including all labour and material complete, finishing the surface with 1:3 cement mortar.RCC 1:1.5:3				
12.9	For bottom slab	3000.00	Three thousand only	Cum.	38700.00
25.41	For wall	3000.00	Three thousand only	Cum.	76230.00
1.55	For beam	3000.00	Three thousand only	Cum.	4650.00
4.6	for slab	3000.00	Three thousand only	Cum.	13800.00
	<b>Item No. - 7</b>				
	Providing and fixing in position reinforcement of all dia for RCC piles, pile caps, footings, foundation, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc., as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required at all locations and height all labour and materials and testing complete.				
1.005	Mild Steel	33000.00	Thirty three thousand only	M.T.	33165.00
	<b>Item No. - 8</b>				
	Providing and fixing in position reinforcement of all dia for RCC piles, pile caps, footings, foundation, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc., as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required at all locations and height all labour and materials and testing complete.				
4.018	Tor Steel	33000.00	Thirty three thousand only	M.T.	132594.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 9</b>				
	Providing at departmental store and fixing C.I. Manhole cover (rectangular or circular) with frame bearing IS:1726-1974 (Part I - VII) mark with locking arrangement including taxes and duties except octroi.				
90	On floor of Sump	38.00	Thirty eight only	Kg.	3420.00
	<b>Item No. - 10</b>				
	Providing at department stores and fixing C.I. Steps weighing 2.5Kg. each bearing IS:5455-1969 mark including taxes and duties except octroi.				
20	Inside Sump	90.00	Ninety only	No.	1800.00
	<b>Item No. - 11A</b>				
	Providing plaster in cement mortar in 1:3 without neeru finishing to concrete or masonry surface in all position including scaffolding and curing complete.12mm thick single coat.				
69.24	Lift 0 to 3.50m.	90.00	Ninety only	sqm.	6231.60
79.99	Lift 3.50 to 7.00m.	90.00	Ninety only	sqm.	7199.10
	<b>Item No. - 11B</b>				
	Providing and erecting railing of galvanized iron pipes of 40mm diameter horizontals in 2 rows and 40mm diameter G.I. pipes vertical having a height of 0.90m at 2m intervals, screwed joints and one coat of anti corrosive and two coats of decorative multicolor paint etc., complete. (G.I. Pipe - A Class) including cost base plate and nut bolts.				
19.10	Around pump-house at floor level	545.00	Five hundred forty five only	m.	10409.50

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 12A</b>				
	Providing at site of works and lowering, laying and jointing HDPE pipes of outer diameters confirming to IS 14333-1996 and bearing ISI mark in prepared trenches to required grade and level including cost of jointing materials, chemicals, labour required for handling and making joints etc, including hydraulic testing of pipes, refilling of trenches etc., complete.				
8.00	110mm dia.HDPE pipe(for Ventpipe purpose.)	280.00	Two hundred eighty only	m.	2240.00
	<b>Item No. - 12B -</b>				
	Providing and fixing in position, A.C. ventilator cowl etc., complete slotted type/cone type.(101.60mmdia.)				
2	For cowl type ventilator	60.00	Sixty only	No.	120.00
	<b>Item No. - 13 -</b>				
	Providing and applying F.R.P.Acid or Alkaline proof lining from inside and bottom RCC sump of approved make , including scaffolding, preparing the surface curing if required etc., complete with all lifts.				
149.24	Inside and bottom of sump.	500.00	Five hundred only	sqm.	74620.00
	<b>Item No. -14 -</b>				
	Removing and transporting the excavated surplus materials of all categoriesand disposing of the same as directed including loading,conveying,spreading or stacking beyond the initial lead of 50m.as directed etc., complete.				
228.29	PWD lead statement C1/page381.	72.09	Seventy two and paise nine only	Cum.	16457.43

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. -15 -</b>				
	Providing and fixing M..chequerred plate flooring of 8mm thickness on M.S.angles of 25x25x5mm size including welding,cutting and fabricatin the plates to the requird square or round shape,making holes in the plates,including providing and applying 3 coats of anticorossive paint etc., complete as directed by				
1.80	Engineer-in-charge.	3135.00	Three thousand one hundred thirty five only	sqm.	5643.00
	<b>Item No. - 16</b>				
	Providing at site of works and lowering, laying and jointing HDPE pipes of outer diameters confirming to IS 14333-1996 and bearing ISI mark in prepared trenches to required grade and level including cost of jointing materials, chemicals, labour required for handling and making joints etc, including hydraulic testing of pipes, refilling of trenches etc., complete.				
13.00	For inlet and outlet.(400mm dia.HDPE 4Kg/cm <sup>2</sup> )	3473.09	Three thousand four hundred seventy three and paise nine only	m.	45150.17
	<b>Item No. - 17</b>				
	Providing IInd class burnt birck masonry with conventional type bricks in foundation and plinth including bailing out water,striking out joints on exposed faces,scaffolding, curing etc., complete.In CM 1:6				
0.41	For steps.	1900.00	One thousand nine hundred only	cum.	779.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>PUMP-HOUSE</b>				
	<b>Item No. - 18</b>				
	Providing IIInd class burnt birck masonry with conventional type bricks in cement mortar for super structures upto 5.0m height above plinth level of building or super structures of first floor including striking out joints on face where plaster is to be done scaffolding curing etc., complete.In CM 1:6				
8.33	For superstructure	1975.00	One thousand nine hundred seventy five only	cum.	16451.75
	<b>Item No. - 19</b>				
	Providing and fixing superior quality factory made flush door, sold core Commercial type hot pressed with veneer finish on one face in single piece, conforming to IS:2202-1991 (Part I, II) with three coats of French polishing for veneer face and one coat of primer and two coats of synthetic enamel paint on other face with 12mm thick teak wood lipping all around etc., complete.(35mm thick shutter).				
2.52	Entrance door	975.00	Nine hundred seventy five only	sqm.	2457.00
	<b>Item No. - 20</b>				
	Providing and fixing mild steel windows conforming to IS:2835-1987 with shutter, fully glazed with 4mm thick plain/frosted sheet glass conforming to IS:1761 with necessary hold fast, Iron copper oxidised fixtures as per latest practices, steel sections conforming to relevant Indian Standards and painting with one coat of approved anticorrosive paint and two coats of synthetic enamel paint etc., complete with 10mm x 10mm x 3mm M. S. angles beading or 10mm x 10mm aluminum channel of 20 gauge thick beading fixed all around duly screwed with GI screws, fixed to the window shutter frames and sash bars with suitable thickness, rubber gaskets between glass and frame thickness and position rightly including necessary superior quality putty etc., complete.				
1.80	b)with guard bar10mm square bar at 125mm c/c. for windows.	1400.00	One thousand four hundred only	sqm.	2520.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 21</b>				
	Providing and laying in position Cement Concrete for RCC work using granite/black trap meta including maxing in mechanically operated mixers, compacting by mechanical or manual means as may be required and directed by Engineer-In-Charge, including steel or plywood shuttering, centering, formwork, for all elements in foundation, plinths & super structure of building works where reinforced cement concrete is proposed to be used upto + 5m from the average ground level including all labour and material complete, finishing the surface with 1:3 cement mortar.				
2.71	For RCC Slab	3000.00	Three thousand only	cum.	8130.00
1.37	For RCC beams, Lintels, Chhajjas	3000.00	Three thousand only	cum.	4110.00
	<b>Item No. - 22</b>				
	Providing and fixing in position reinforcement of all dia for RCC piles, pile caps, footings, foundation, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels, pardis, copings, fins, arches etc., as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required at all locations and height all labour and materials and testing complete.				
0.076	Mild Steel	33000.00	Thirty three thousand only	M.T.	2508.00
0.305	Tor Steel	33000.00	Thirty three thousand only	M.T.	10065.00
	<b>Item No. - 23</b>				
	Providing plaster in cement mortar in 1:3 without neeru finishing to concrete or masonry surface in all position including scaffolding and curing complete. 12mm thick single coat.				
37.78	from inside of pump-house	90.00	Ninety only	sqm.	3400.20
12.57	to ceiling	96.00	Ninety six only	sqm.	1206.72
	<b>Item No. - 24</b>				
	Providing sand faced plaster (sponged external) in cement mortar 1:3 in all positions including base coat scaffolding, keeping the surface of base coat rough to receive sand faced treatment, curing etc., complete.				
49.04	from outside of pump-house	120.00	One hundred twenty only	sqm.	5884.80

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 25</b>				
	Providing Indian patent stone flooring 40mm thick with M-20 grade concrete using 6mm to 20mm metal over bedding laid in proper grade and slope in				
	alternate bays, including compaction, filling joints with bitumen and sand, marking lines, to give appearance of tiles, finishing smooth with extra cement, curing etc., complete.				
13.92	for flooring of pump-house and steps.	150.00	One hundred fifty only	sqm.	2088.00
	<b>Item No. - 26</b>				
	Providing and fixing in position Copper lightening conductor including copper rod of 20mm dia.upper terminal 1.50m.long with a knob at the end with a conical spike at top Aluminium tape conductor 20x3mm size,Copper earthplate of 3mm thick and 0.81sqm.in area clamps at 1m.c/c,including necessary excavation,laying & fixing the conductor				
	Providing and fixing 40mm G.I.pipe upto 3.00m from ground and 0.50m.below ground including making all connections,filling the earthing pit with charcoal,salt etc.,and refilling and watering etc., complete as per specifications laid down in				
1	relevant I.S.Codes(for conductor length 6.50m.)	3372.50	Three thousand three hundred seventy two and paise fifty only	No.	3372.50
	<b>Item No.27</b>				
	Providing and making electrification in and outside the pump-house,excluding that is required for pumps,including all requisite material and labour etc., complete.				
Job.	for single phase lighting for pumphouse.	Lump-sum	Lump-sum	Job	2000.00
	Total Rs.				632803.00

ICHALKARANJI TEXTILE DEVELOPMENT CLUSTER LIMITED					
Name of Work: Collection and Conveyance System for Industrial Waste For ITDC area.					
Sub work no: 7					
Name of Subwork: Providing, Lowering, Laying and Jointing 250mm dia.H.D.P.E.(6kg/cm <sup>2</sup> )Rising main. ( From Point 'E' to point 'B5' Drainage point on trunk.)					
ABSTRACT					
QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 1</b>	Rs.	Rupees		Rs.
	Excavation for Sewer/Pipe trenches to the required grade and level in earth, soils of all types, sand, gravel and soft and hard murum and boulders up to 0.03Cu.m. of size including removing the excavated material upto a distance of 50m beyond the edges of trenches and lifts upto 3.00m, stacking, refilling the excavated trenches and spreading as directed, bailing out water manually only, including cost of required material if any including shoring, strutting etc., complete.				
908.833	Lift 0 to 1.50m and 1.50m to 3.00m.	66.00	Sixty six only	Cum.	59982.978
	<b>Item No. - 2</b>				
	Excavation for sewer/pipe trenches to the required grade and level in soft rock, boulders between 0.03 to 0.3Cu.m. in sizes and old cement and lime masonry foundation including removing the excavated materials up to a distance of 50m beyond the area and lift up to 3.00m, stacking and spreading refilling the excavated trenches as directed balling out water manually, including cost of required material if any, including shoring strutting etc., complete.				
106.922	Lift 0 to 1.50m and 1.50m to 3.00m.	140.00	One hundred forty only	Cum.	14969.08
	<b>Item No. - 3</b>				
	Excavation for sewer/pipe trenches to the required grade and level in hard rock, boulders more than 0.03Cu.m. in sizes by chiseling, wedging, line drilling or by any mechanical means etc. including trimming and leveling, the bed removing the excavated material up to a distance of 50m beyond the area and refilling the excavated trenches lift up to 3.00m stacking as directed, including bailing out water manually only etc., complete.				
53.461	Lift 0 to 1.50m and 1.50m to 3.00m.	400.00	Four hundred only	Cum.	21384.40

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 4</b>				
	Providing murum bedding below pipeline and filling on the top of the pipeline with selected material in 15 to 20cm layers including watering, ramming etc., complete.				
91.800	Lift 0 to 1.50m and 1.50m to 3.00m.	20.00	Twenty only	Cum.	1836.00
	<b>Item No. - 5</b>	B.F.		Rs.	98172.46
	Providing at site of works and lowering, laying and jointing HDPE pipes of outer diameters confirming to IS 14333-1996 and bearing ISI mark in prepared trenches to required grade and level including cost of jointing materials, chemicals, labour required for handling and making joints etc, including hydraulic testing of pipes, refilling of trenches etc., complete.				
720.00	250mm dia.H.D.P.E.(6kg/cm <sup>2</sup> )PE-63 pipes.	1713.06	One thousand seven hundred thirteen and paise six only	M.	1233403.20
	<b>Item No. - 6</b>				
	Providing and laying in position Cement Concrete for RCC work using granite/black trap meta including maxing in mechanically operated mixers, compacting by mechanical or manual means as may be required and directed by Engineer-In-Charge, including steel or plywood shuttering, centering, formwork, for all elements in foundation, plinths & super structure of building works where reinforced cement concrete is proposed to be used upto + 5m from the average ground level including all labour and material complete, finishing the surface with 1:3 cement mortar.				
2.00	RCC 1:2:4	2600.00	Two thousand six hundred only	Cum.	5200.00
	<b>Item No. - 6b-</b>				
	Providing and fixing in position reinforcement of all dia for RCC piles, pile caps, footings, foundation, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc., as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required at all locations and height all labour and materials and testing complete.				
0.0314	Mild steel	33000.00	Thirty three thousand only	M.T.	1036.2
0.1256	Tor steel	33000.00	Thirty three thousand only	M.T.	4144.8

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. -7</b>				
	Providing, fixing in position and jointing C.I. Sluice valves, Class-I type both end flanged (without hand wheel), including bypass arrangements and spur/worm gear arrangements as per test pressure and working pressure as below with Chrome Steel Spindle : (Rates to include cost of gaskets, bolts, nuts and any other material required for jointing and also cost of Valve, its transportation etc., including taxes and duties except octroi)Sluice valve bearing IS:780-1984 mark PN-1.0(suitable for10kg/cm2)				
1	250mm dia.Sluice Valve	14530.00	Fourteen thousand five hundred thirty only	No.	14530.00
2	200mm dia.Sluice Valve	10500.00	Ten thousand five hundred only	No.	21000.00
	<b>Item No. - 8</b>				
3	Providing ,fixing in position and C.I.double ball orifice Air valves bearing IS 14845-2000 mark without isolating sluice valve tested to 200m.head of water (working pressure) as per Glen field Kennedy pattern (Rates to include cost of gaskets,bolts,nuts and any other material required for jointing and also its transportation etc.,including taxes and duties except Octroi).40mm dia.	2100.00	Two thousand one hundred only	No.	6300.00
	<b>Item No.-9-</b>				
	Providing at the site of work and lowering,				
	laying and jointing RCC Np3 class pipes				
	conforming to IS:458,1988 in prepared				
	trenches in grade and level,including hoisting,				
	making rubber ring or collar joints inCM 1:1,				
	icluding cost collar/rubber ring,jointing				
	material like cement,sand etc.,and hydraulic				
	testing of pipes at factory as well as on site				
	as per the stipulation in relevant I.S.code				
6.78	etc., complete.450mm dia NP3class RCC Pipes	800.00	Eight hundred only	M.	5420.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 10</b>				
	Conveying material obtained from road cutting including all lift and beyond initial lead, laying in layers 20cm. to 30cm. in case of power roller and 45cm to 60cm in case of vibratory compactor and breaking clods, dressing to the required lines, curves, grade and section for formation of roads including levelling and disposing of surplus material in desired manner as directed by Engineer-in-charge etc., complete.				
131.143		35.00	Thirty five only	Cum.	4590.01
	<b>Item No. -11</b>				
	Providing and laying in position plain cement concrete using granite or black trap graded metal including mixing in a mechanically operated mixer, compacting, curing as required complete for all lifts up to a 5M. above or below the ground level where concrete is proposed, including shuttering using ordinary portland cement.				
2.00	P.C.C.M:15	2300.00	Two thousand three hundred only	Cum.	4600.00
	<b>Item No.-12-</b>				
	Providing and fixing C.I. roadbox including loading unloading and carting to site of work including all necessary excavation in all types of strata and fixing in murum packing etc., complete.				
0	200x300mm(40Kg).	1290.00	One thousand two hundred ninety only	No.	0



QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
<b>ICHALKARANJI TEXTILE DEVELOPMENT CLUSTER LIMITED.</b>					
Sub work no: 8					
Name of Work: Collection and Conveyance System for Industrial Waste For ITDC area.					
Name of Subwork: Providing, Lowering, Laying and Jointing 250mm dia.H.D.P.E.(6kg/cm <sup>2</sup> )Rising main. ( From Point 'D' to point'B5' Drainage point on trunk.)					
<b>ABSTRACT</b>					
QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 1 - Dr/A/1/Page no.132.</b>	Rs.	Rupees		
	Excavation for Sewer/Pipe trenches to the required grade and level in earth, soils of all types, sand, gravel and soft and hard murum and boulders up to 0.03Cu.m. of size including removing the excavated material upto a distance of 50m beyond the edges of trenches and lifts upto 3.00m, stacking, refilling the excavated trenches and spreading as directed, bailing out water manually only, including cost of required material if any including shoring, strutting etc., complete.				
2492.354	Lift 0 to 1.50m and 1.50m to 3.00m.	66.00	Sixty six only	Cum.	164495.364
	<b>Item No. - 2 - Dr/A/2/page no.132.</b>				
	Excavation for sewer/pipe trenches to the required grade and level in soft rock, boulders between 0.03 to 0.3Cu.m. in sizes and old cement and lime masonry foundation including removing the excavated materials up to a distance of 50m beyond the area and lift up to 3.00m, stacking and spreading refilling the excavated trenches as directed bailing out water manually, including cost of required material if any, including shoring strutting etc., complete.				
293.218	Lift 0 to 1.50m and 1.50m to 3.00m.	140.00	One hundred forty only	Cum.	41050.52
	<b>Item No. - 3 - Dr/A/4/page no.132.</b>				
	Excavation for sewer/pipe trenches to the required grade and level in hard rock, boulders more than 0.03Cu.m. in sizes by chiseling, wedging, line drilling or by any mechanical means etc. including trimming and leveling, the bed removing the excavated material up to a distance of 50m beyond the area and refilling the excavated trenches lift up to 3.00m stacking as directed, including bailing out water manually only etc., complete.				
146.609	Lift 0 to 1.50m and 1.50m to 3.00m.	400.00	Four hundred only	Cum.	58643.60

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 4 - Gen/A/26/page no.4.</b>				
	Providing murum bedding below pipeline and filling on the top of the pipeline with				
	selected material in 15 to 20cm layers including watering, ramming etc., complete.				
252.450	Lift 0 to 1.50m and 1.50m to 3.00m.	20.00	Twenty only	Cum.	5049.00
	<b>Item No. - 5 - As per R.A.</b>				
	Providing at site of works and lowering, laying and jointing HDPE pipes of outer diameters conforming to IS 14333-1996 and bearing ISI mark in prepared trenches to required grade and level including cost of jointing materials, chemicals, labour required for handling and making joints etc., including hydraulic testing of pipes, refilling of trenches etc., complete.				
1980.00	250mm dia.H.D.P.E.(6kg/cm <sup>2</sup> )PE-63 pipes.	1713.06	One thousand seven hundred thirteen and paise six only	M.	3391858.80
	<b>Item No. - 6 - Gen/C/3A/page no.6.</b>				
	Providing and laying in position Cement Concrete for RCC work using granite/black trap meta including maxing in mechanically operated mixers, compacting by mechanical or manual means as may be required and directed by Engineer-In-Charge, including steel or plywood shuttering, centering, formwork, for all elements in foundation, plinths & super structure of building works where reinforced cement concrete is proposed to be used upto + 5m from the average ground level including all labour and material complete, finishing the surface with 1:3 cement mortar.				
5.00	RCC 1:2:4	2600.00	Two thousand six hundred only	Cum.	13000.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No. - 6b- Gen/C/9/page no.8</b>				
	Providing and fixing in position reinforcement of all dia for RCC piles, pile caps, footings, foundation, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc., as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required at all locations and height all labour and materials and testing complete.				
0.0785	Mild steel	33000.00	Thirty three thousand only	M.T.	2590.5
0.314	Tor steel	33000.00	Thirty three thousand only	M.T.	10362
	<b>Item No. -7-</b>				
	Providing, fixing in position and jointing C.I. Sluice valves, Class-I type both end flanged (without hand wheel), including bypass arrangements and spur/worm gear arrangements as per test pressure				
	and working pressure as below with Chrome Steel Spindle : (Rates to include cost of gaskets, bolts, nuts and any other material required for jointing and also cost of Valve, its transportation etc., including taxes and duties except octroi)Sluice valve bearing IS:780-1984 mark PN-1.0(suitable for 10kg/cm <sup>2</sup> )				
4	250mm dia.Sluice Valve	14530.00	Fourteen thousand five hundred thirty only	No.	58120.00
4	200mm dia.Sluice Valve	10500.00	Ten thousand five hundred only	No.	42000.00
	<b>Item No. - 8 -</b>				
6	Providing ,fixing in position and C.I.double ball orifice Air valves bearing IS 14845-2000 mark without isolating sluice valve tested to 200m.head of water (working pressure) as per Glen field Kennedy pattern (Rates to include cost of gaskets,bolts,nuts and any other material required for jointing and also its transportation etc.,including taxes and duties except Octroi).40mm dia	2100.00	Two thousand one hundred only	No.	12600.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No.-9-</b>				
	Providing at the site of work and lowering, laying and jointing RCC Np3 class pipes conforming to IS:458,1988 in prepared trenches in grade and level,including hoisting, making rubber ring or collar joints inCM 1:1, icluding cost collar/rubber ring,jointing material like cement,sand etc.,and hydraulic testing of pipes at factory as well as on site as per the stipulation in relevant I.S.code				
21.25	etc., complete.450mm dia NP3class RCC Pipes	800.00	Eight hundred only	M.	17000.00
	<b>Item No. - 10</b>				
	Conveying material obtained from road cutting including all lift and beyond initial lead,laying in layers 20cm.to 30cm.incase of power roller and 45cm to 60cm in case of vibratory compactor and breaking clods,dressing to the required lines,curves, grade and section for formation of roads including levelling and disposing of surplus material in desired manner as directed by Engineer-in-charge etc., complete.				
359.643		35.00	Thirty five pnly	Cum.	12587.51
	<b>Item No. -11</b>				
	Providing and laying in position plain cement concrete using granite or black trap graded metal including mixing in a mechanically operated mixer, compacting, curing as required complete for all lifts up to a 5M. above or below the ground level where concrete is proposed, including shuttering usino ordinary portland cement.P.C.C.M:15				
5.00		2300	Two thousand three hundred only	Cum.	11500.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No.-12-</b>				
	Providing and fixing C.I.roadbox including loading				
	unloading and carting to site of work including all				
	necessary excavation in all types of strata and fixing				
	in murum packing etc., complete.				
0	200x300mm(40Kg).	1290.00	One thousand two hundred ninety only	No.	0
	<b>Item No. -13-</b>				
	Providing and constructing manhole chamber of				
	1200mm x 900mm x 1000mm in BB masonry IIInd				
	class 230mm thick upto 1.50m.depth and 350mm				
	thick below 1.50m. Depth in CM(1:3) with foundation				
	concrete 200mm thick CC 1:4:8 and benching and				
	top RCC slab of 150mm thick in C.C. M-20 plastered				
	on both faces in CM (1:3),20mm thick finished with				
	neat cement float,including curing ,cost of all labour,				
	material,loading,unloading & transportation charges				
	of material including,providing and fixing in position				
	RCC precast cover 75mm thick with requisite				
	reinforcement and frame including providing & fixing				
14	C.I.steps etc., complete.	4000.00	Four thousand only	No.	56000.00
	Total Rs.				1422397.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
<b>ICHALKARANJI TEXTILE DEVELOPMENT CLUSTER LIMITED.</b>					
Name of Work: Collection and Conveyance System for Industrial Waste For ITDC area.					
Sub work no: 9					
Name of Subwork: Providing and erecting Sewage pumps at sump and pump-house for 'D'zone.					
<b>ABSTRACT</b>					
QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No1:</b>	Rs.	Rupees		Rs.
	Providing,erecting, giving test of submersible				
	sewage pumps of following specification				
	having discharging capacity of and				
	head as given below.,including making foundation				
	arrangement (foundation block)/couplings,				
	including necessary allied equipments such				
	as panel board containing staters.switches,				
	voltmeter,ammeter,necessary wiring,earthing				
	including valves,its accessories including				
	jointing the same with necessary jointing				
	material,piping,lifting equipment including				
	necessary material and labour etc., complete.				
2	I) Average Flow ---- 96m <sup>3</sup> /hour. Total Head ---- 27 m.	150400.00	One lakh fifty thousand four hundred only	Each	300800.00
1	ii) Peak Flow ---- 235m <sup>3</sup> /hour. Total Head ---- 27 m.	180800.00	One lakh eighty thousand eight hundred only	Each	180800.00
	Total Rs.				481600.00

QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
<b>ICHALKARANJI TEXTILE DEVELOPMENT CLUSTER LIMITED.</b>					
Name of Work: Collection and Conveyance System for Industrial Waste For ITDC area.					
Sub work no: 10					
Name of Subwork: Providing and erecting Sewage pumps at sump and pump-house for 'E'zone.					
<b>ABSTRACT</b>					
QUANTITY	ITEM	RATE	RATE IN WORDS	UNIT	AMOUNT
	<b>Item No1:(As per R.A.)</b>	Rs.	Rupees		Rs.
	Providing,erecting & giving test of submersible sewage pumps of following specification				
	having discharging capacity of * and				
	head of * m.,including making foundation				
	arrangement (foundation block)/couplings,				
	including necessary allied equipments such				
	as panel board containing stater.switches,				
	voltmeter,ammeter,necessary wiring,earthing				
	including valves,its accessories including				
	jointing the same with necessary jointing				
	material,piping,lifting equipment including				
	necessary material and labour etc., complete.				
	(*As given below)				
2	l) Average Flow 147 m <sup>3</sup> /hour. Total Head 18 m.	180800.00	One lakh eighty thousand eight hundred only	Each	361600.00
1	ii) Peak Flow 356 m <sup>3</sup> /hour. Total Head 18 m.	354600.00	Three lakhs fifty four thousand six hundred only	Each	354600.00
	Total Rs.				716200.00