

(2)

# ***AKOT NAGAR PARISHAD AKOT***

## ***DETAILED ESTIMATE***

***NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRET DRAIN  
FROM AJAY BHANDE HOUSE TO MOHAN  
KHANDERAO HOUSE AT- SUKSHANTI NAGAR  
NAGAR PARISHAD AKOT TQ-AKOT DIST-AKOLA***

***ESTIMATED COST:-***

***~~8139189.00~~***

***80,72,700.00***

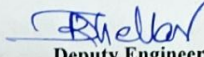
RECAPITULATION SHEET

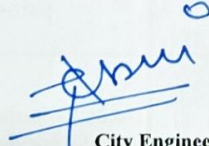
**CONSTRUCTION OF CEMENT CONCRET DRAIN FROM AJAY BHANDE HOUSE TO MOHAN KHANDERAO HOUSE AT- SUKSHANTI NAGAR NAGAR PARISHAD AKOT TQ- AKOT DIST-AKOLA**

Sr.No	Item		Amount
A	Civil Work Cost	RS	6594577.00 <i>6594089</i>
B	Testing Charges	RS	34080.00 ✓
C	Royalty Charges	RS	26752.00 ✓
D	Add G.S.T. 18%	RS	1187024.00 <i>11869360</i>
E	Add Labour Insurance 0.5%	RS	32973.00 <i>3297000</i>
F	Third Party 1%	RS	65946.00 <i>6594000</i>
G	Contingencis <del>3%</del> <i>2%</i>	RS	497837.00 <i>13188200</i>
<b>TOTAL A + B + C +D+E+G</b>		RS	<b>8139189.00</b> <i>8072649</i>
		<b>SAY</b>	<b>8139189.00</b>

*80,72,700.00*

Consultant Engineer  
Nagar Parishad Akot


  
Deputy Engineer  
Nagar Parishad Akot

  
City Engineer  
Nagar Parishad Akot

  
Chief officer  
Nagar Parishad Akot

*Checked by me*  
#

Technically Sanctioned for Rs. 80,72,700.00  
In Words Rs. Eighty lakh seventy two thousand seven hundred.  
Gross Only, Vide Item No. "136"  
of Form No.85 for the month of Sept-25  
vide T.S.Order No. 2371 Dt. 30-09-25

  
Executive Engineer  
Maha.Jeevan Pradhikaran  
Division, Akola

## ABSTRACT SHEET

**CONSTRUCTION OF CEMENT CONCRET DRAIN FROM AJAY BHANDE HOUSE TO MOHAN KHANDERAO HOUSE AT- SUKSHANTI NAGAR NAGAR PARISHAD AKOT TQ-AKOT DIST-AKOLA**

Sr.No.	Item of work	Qty.	Rate	Unit	Amount
1	<b>Item No :-1</b> Excavation for catch / side water gutter in all sorts of soils to the specified section including stacking the excavated stuff in a regular bund and disposing of unsuitable or excess stuff as directed all sorts of soils [ SSR-2022-23 ,ITEM NO-2.18 Page No-24]	1237.5	123.71	Cum	153091.13
2	<b>Item No :-2</b> Conveying materials obtained from road cutting including all lifts, laying in layers of 20cm to 30cm. breaking clods, dressing to the required lines, curves, grades and section, watering and compacting to not less than 97% of standard Proctor density for a lead of over 50m. to 300m. inclusive from the site of excavation to the site of deposition as directed. [ SSR-2022-23 ,ITEM NO-2.25 Page No-24]	1113.75	202.72	Cum	225779.4
3	<b>Item No :-3</b> Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. [ SSR-2022-23,ITEM NO-21.40 Page No-194]	123.75	1966.60	Cum	243366.75
4	<b>Item No :-4</b> Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) [ SSR-2022-23 ,ITEM NO-25.11 Page No-178]	82.5	7818.85 7824.76	Cum	645055.12 .645542.7
5	<b>Item No :-5</b> Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, 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 complete [ SSR-2022-23 ,ITEM NO-26.33 Page No-188]	1.17	93375.24	MT	109249.03

Sr.No.	Item of work	Qty.	Rate	Unit	Amount
6	<p><b>Item No :-6</b></p> <p>Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pardi of required thickness including steel centering, formwork, cover blocks, laying/pumping, compacting , curing , finishing and rougheningthem if special finish is to be provided and curing complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)</p> <p>[ SSR-2022-23 ,ITEM NO-26.17 Page No-185]</p>	301.5	16748.89	Cum	5049790.34
7	<p><b>Item No :-7</b></p> <p>Providing and laying cement concrete pipe of IS 458:2003 NP-2 class of 450mm diameter in proper line, level and slope including providing and fixing collars in cement mortar 1:2 and curing etc. complete.</p> <p>[ SSR-2022-23 ,ITEM NO-11.08 Page No-81]</p>	5	2026.18	Rmt	10130.9
8	<p><b>Item No :-8</b></p> <p>Providing and laying cement concrete pipe of IS 458:2003 NP-2 class of 600mm diameter in proper line, level and slope including providing and fixing collars in cement mortar 1:2 and curing etc. complete.</p> <p>[ SSR-2022-23 ,ITEM NO-11.09 Page No-81]</p>	50	2841.23	Rmt	142061.5
9	<p><b>Item No :-9</b></p> <p>Providing and fixing board displaying information, such as "Name of work, Tender cost, Name of Contractor, Work completion and liability period etc", having rectangular shape of 1.20m x 0.90m size made up of 4 mm aluminum composite pannel sheet with 0.5 mm skin thickness on either side bonded with white retro reflective sheeting of Class C (Type XI Micro prismatic grade sheeting) having pressure sensitive adhesive. Retro reflective sheeting with specified background, border and back side retro reflective symbols, letters, numerals, arrow as per IRC: 67-2012 Table No 8.3, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly</p> <p>[ SSR-2022-23 ,ITEM NO-53.85 Page No-511]</p>	1	15564.89	No	15564.89
		Total			6594576.64
<b>[A] Total RS.</b>					<b>6594577.00 6594089.00</b>

Sr.No.	Item of work	Qty.	Rate	Unit	Amount
10	<b>Item No :-10</b>				
	<b>TESTING CHARGES</b>				
<b>A</b>	<b>Basic Test of Cemet</b>				
1	Standard Consistency Fineness, Specific Gravity , Setting Time ( initial and final ) Compressive Strength,	1	3770.00	No	3770 ✓
<b>B</b>	<b>Fine Aggregates</b>				
1	Fineness Modulus ( Sieve Analysis ) Silt & Clay Content	1	1380.00	No	1380 ✓
2	Silt Factor	1	850.00	No	850 ✓
<b>C</b>	<b>Soil / Murum</b>				
1	Sieve Analysis	1	690.00	No	690 ✓
2	Liquid Limit & Plastic Limit	1	1170.00	No	1170 ✓
<b>D</b>	<b>Concrete</b>				
1	Compressive Strength of C C Cubes ( Set of Three Cubes)	32	690.00	No	22080 ✓
<b>E</b>	<b>Basic Test of aggregates</b>				
1	Water Absorption , Specific Gravity, Impact Value, Crushing Value	1	2600.00	No	2600 ✓
2	Sieve Analysis	1	690.00	No	690 ✓
3	Flakiness Index & Elongation index.	1	850.00	No	850 ✓
	<b>[B] Total RS.</b>		<b>Total</b>		<b>34080 ✓</b>
11	<b>Item No :-11</b>				
	Royalty Charges				
<b>A</b>	<b>Sand</b>	0	237.37	Cum	0
<b>B</b>	<b>80 MM, MURUM, 40 MM</b>	123.75	216.18	Cum	26752.28 ✓
			<b>Total</b>		<b>26752.28 ✓</b>
	<b>[C] Total RS.</b>				<b>26752.00 ✓</b>

Deputy Engineer  
Nagar Parishad Akot

City Engineer  
Nagar Parishad Akot

## MEASUREMENT SHEET

**CONSTRUCTION OF CEMENT CONCRET DRAIN FROM AJAY BHANDE HOUSE TO MOHAN KHANDERAO HOUSE AT- SUKSHANTI NAGAR NAGAR PARISHAD AKOT TQ-AKOT DIST-AKOLA**

No.	Item of work	No.,	L	B	D/H	QTY.	UNIT
1	<p><b>Item No :-1</b> Excavation for catch / side water gutter in all sorts of soils to the specified section including stacking the excavated stuff in a regular bund and disposing of unsuitable or excess stuff as directed all sorts of soils [ SSR-2022-23 ,ITEM NO-2.18 Page No-24]</p>	1	550	1.5	1.5	1237.5 1237.5	Cum
2	<p><b>Item No :-2</b> Conveying materials obtained from road cutting including all lifts, laying in layers of 20cm to 30cm. breaking clods, dressing to the required lines, curves, grades and section, watering and compacting to not less than 97% of standard Proctor density for a lead of over 50m. to 300m. inclusive from the site of excavation to the site of deposition as directed. [ SSR-2022-23 ,ITEM NO-2.25 Page No-24]</p> <p style="text-align: right;">90%</p>					1113.75 1113.75	Cum
3	<p><b>Item No :-3</b> Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. [ SSR-2022-23,ITEM NO-21.40 Page No-194]</p>	1	550	1.5	0.15	123.75 123.75	Cum
4	<p><b>Item No :-4</b> Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) [ SSR-2022-23 ,ITEM NO-25.11 Page No-178]</p>	1	550	1.5	0.1	82.5 82.5	Cum

No.	Item of work	No.,	L	B	D/H	QTY.	UNIT					
5	<b>Item No :-5</b> Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, 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 complete <b>[ SSR-2022-23 ,ITEM NO-26.33 Page No-188]</b> <b>8 MM BAR For Road 0.30 m x0.30 m</b> <b>Long Bar</b> <b>Short Bar</b>  <b>40 KG Qty of C C Rapata</b>	9	550			4950	Rmt					
								1834	3.1	5685.4		
										10635.4		
										4147.81		
										1170		
						5317.81	Kg					
						1.17	Kg					
							MT					
6	<b>Item No :-6</b> Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pardi of required thickness including steel centering, formwork, cover blocks, laying/pumping, compacting , curing , finishing and rougheningthem if special finish is to be provided and curing complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)  <b>[ SSR-2022-23 ,ITEM NO-26.17 Page No-185]</b> <b>Cover</b> <b>Drain Bed</b> <b>Drain Side</b>	25	6	1.3	0.15	29.25	Cum					
								1	550	1.3	0.15	107.25
								2	550	0.15	1	165
												301.5
7	<b>Item No :-7</b> Providing and laying cement concrete pipe of IS 458:2003 NP-2 class of 450mm diameter in proper line, level and slope including providing and fixing collars in cement mortar 1:2 and curing etc. complete.  <b>[ SSR-2022-23 ,ITEM NO-11.08 Page No-81]</b>	2	2.5			5	Rmt					
						5	Rmt					
8	<b>Item No :-8</b> Providing and laying cement concrete pipe of IS 458:2003 NP-2 class of 600mm diameter in proper line, level and slope including providing and fixing collars in cement mortar 1:2 and curing etc. complete.  <b>[ SSR-2022-23 ,ITEM NO-11.09 Page No-81]</b>	20	2.5			50	Rmt					
												50

No.	Item of work	No.,	L	B	D/H	QTY.	UNIT
9	<b>Item No :-9</b> Providing and fixing board displaying information, such as "Name of work, Tender cost, Name of Contractor, Work completion and liability period etc", having rectangular shape of 1.20m x 0.90m size made up of 4 mm aluminum composite pannel sheet with 0.5 mm skin thickness on either side bonded with white retro reflective sheeting of Class C (Type XI Micro prismatic grade sheeting) having pressure sensitive adhesive. Retro reflective sheeting with specified background, border and back side reto reflective symbols, letters, numerals, arrow as per IRC: 67-2012 Table No 8.3, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle <b>[ SSR-2022-23 ,ITEM NO-53.85 Page No-511]</b>	1				1 1	No
10	<b>Item No :-10</b> <b>TESTING CHARGES</b> <b>A Basic Test of Cemet</b> 1 Standard Consistency Fineness, Specific Gravity , Setting Time ( initial and final ) Compressive Strength, <b>B Fine Aggregates</b> 1 Fineness Modulus ( Sieve Analysis ) Silt & Clay Content 2 Silt Factor <b>C Soil / Murum</b> 1 Sieve Analysis 2 Liquid Limit & Plastic Limit <b>D Concrete</b> 1 Compressive Strength of C C Cubes ( Set of Three Cubes) <b>E Basic Test of aggregates</b> 1 Water Absorption , Specific Gravity, Impact Value, Crushing Value 2 Sieve Analysis 3 Flakiness Index & Elongation index.	1  1  1  1 1  32  1 1 1				1  1 1 1 1  32  1 1 1	No  No No No No  No  No No No
11	<b>Item No :-11</b> Royalty Charges <b>A Sand</b>					0	Cum
B	80 MM, MURUM, 40 MM						
NO	ITEM	Qty	Co-eficiant				
3	Providing soling using 80 mm size trap metal in 15 cm.	123.75	1			123.75 123.75	Cum