

Name of Work—

Situation of Work—

Agency by which work is executed—

Date of Measurement—

No. and date of agreement

(These four lines should be repeated at the commencement of the measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N.W.—	Main & Repair road from				
	Chakand to Laxmipur.				
Agency—	Arjun Kumar Vill - Biraj.				
	P. - Subaiya, P. - Subaid, Graya				
Agreement No. —	28 SB D/ M MGSU/2023-24				
Date of Commencement—	16/3/24				
Date of Completion—	18/3/25				
Rate below (—) —	0.017. Per Agreement				

Measurement Date - 16/8/24				
1)	Providing & fixing of working benchmark			
	P. Lines = 5.00 KM			
2)	Clearing & Grubbing road land including			
	2x	30x	160x	4.00 = 38400.00 ✓
				Ha = 3.840 ✓
3)	Removing all types of Hume pipe 1000m = 45.00mm			
4)	Sacrificing Existing Bituminous Surface to			
BT	300.00 x 3.75 x 35.7%			= 393.75 m ² ✓
Pcc Proposed Existing	900.00 x 3.75 x 40%			= 1350.00 ✓
				1743.75 m ² ✓

Continuation

16/3/24
J.E18/3/24
P.E

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2 x 5 x 30 x	1.875 x	0.375		210.94 m ³
	2 x 28 x 30 x	1.875 x	0.400		1260.00 m ³
	2 x 14 x 20 x	1.875 x	0.400		30.00 m ³
	2 x 40 x 30 x	1.875 x	0.375		1814.06 m ³
	2 x 1 x 25 x	1.875 x	0.375		35.17 m ³
cc	1 x 15 x 30 x	1.125 x	0.175		88.59 m ³
	1 x 14 x 25 x	1.125 x	0.175		4.92 m ³
	1 x 14 x 30 x	1.125 x	0.150		70.88 m ³
	1 x 1 x 20 x	1.125 x	0.150		3.38 m ³
	1 x 3 x 30 x	1.125 x	0.125		12.66 m ³
					5063.41 m ³
			Limit		5062.51 m ³
(2)	Provided & Laying of reinforced cc pipe duct 300mm dia				
	10 x 10 RM				= 100 RM
(3)	Earthwork in excavation for foundation of structures				
H.W	2 x 3.900 x 1.50 x 1.500				13.455 m ³
below Pipe	1 x 7.850 x 1.130 x 0.365				3.238 m ³
					16.693 m ³
	6 culvert				
	16.693 x	# 6			100.158
					= 267.088 m ³
4)	Providing MIS (PCC 1:2.5:5) as levelling				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Culvert in foundation					
H.W	2x	3.900x	1.150x	0.150=	1.345 m ³
Below Pipe	1x	7.811x	1.130x	0.250=	2.207 m ³
					3.552 m ³
6 Culvert					= 21.312 m ³
(5) PCC in substructure					
Complete as per					
H.W	2x	3.600x	0.700x	2.780=	14.011 m ³
Parapet	2x	3.600x	0.400x	0.600=	1.728 m ³
for pipe	2x	0.7857x	0.830 ² x	0.530=	-0.577 m ³
					15.165 m ³
6 Culvert					= 90.99
(6) Providing & Laying					
PCC pipe NP-3 for					
Culverts					
	3x	2.50			= 7.50 m
6 Culvert					= 45.00 m
(7) Painting on Parapet					
wall Painting two					
Coats including.					
Top	2x	3.600x	0.400		= 2.880 m ²
Side	4x	3.600x	0.600		= 8.640 m ²
Front	4x	0.400x	0.600		= 0.960 m ²
					12.480 m ²
6 Culvert					= 74.88 m ²
31/9/24 J.E					
10/7/24 AE					

Continuation

Continuation
$$\text{limit} = 92.81 \text{ m}^2$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2 x 5 x	30 x	1.025 x	0.100 =	30.75 m ³
	2 x 14 x	30 x	1.025 x	0.100 =	86.10 "
	2 x 1 x	15 x	1.025 x	0.100 =	3.07 "
					307.50 m ³
(b) Allowance for Profile Correction					
	2 x	13.53 x	1.23 x	0.100 =	3.33 m ³
	1 x	13.94 x	2.05 x	0.100 =	2.86 "
	1 x	15.58 x	0.82 x	0.100 =	1.28 "
	2 x	13.12 x	1.23 x	0.100 =	3.23 "
	3 x	13.12 x	1.89 x	0.100 =	7.44 "
	2 x	14.76 x	2.05 x	0.100 =	6.05 "
	5 x	9.43 x	1.64 x	0.100 =	7.73 "
	1 x	15.58 x	1.18 x	0.100 =	1.84 "
					33.76 m ³
					limit = 33.75 m ³
	Add (a) + (b)				= 341.25 m ³
	Add for extra widening on curve 17.				= 3.41
					344.66 m ³
65					
2619124					
50					

Continuation

Continuation

[illegible]

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1 x	30 x	5.45 x	0.125 =	20.44 m ³
	1 x	30 x	$\frac{5.45 + 5.50}{2}$ x	0.125 =	20.53 x
	1 x	30 x	5.50 x	0.125 =	61.88 x
	1 x	30 x	$\frac{5.50 + 5.55}{2}$ x	0.125 =	20.72 x
	1 x	2 x	30 x	5.55 x	0.125 = 41.63 x
	1 x	30 x	$\frac{5.55 + 5.45}{2}$ x	0.125 =	20.63 x
	1 x	75 x	5.45 x	0.125 =	17.03 x
	1 x	2 x	30 x	5.50 x	0.125 = 41.25 x
	1 x	2 x	30 x	$\frac{5.50 + 5.55}{2}$ x	0.125 = 41.44 x
	1 x	30 x	5.55 x	0.125 =	20.81 x
	1 x	30 x	$\frac{5.55 + 5.45}{2}$ x	0.125 =	20.64 20.63 x
	1 x	30 x	5.45 x	0.125 =	20.44 x
	1 x	30 x	$\frac{5.45 + 5.60}{2}$ x	0.125 =	20.72 x
	1 x	2 x	30 x	5.60 x	0.125 = 42.00 x
	1 x	30 x	$\frac{5.60 + 5.40}{2}$ x	0.125 =	20.63 x
	1 x	30 x	5.40 x	0.125 =	20.25 x
	1 x	30 x	$\frac{5.40 + 5.50}{2}$ x	0.125 =	20.44 x
	1 x	30 x	5.50 x	0.125 =	20.63 x
	1 x	20 x	5.50 x	0.125 =	13.75 x
	1 x	2 x	30 x	5.50 x	0.125 = 41.25 x
	1 x	30 x	$\frac{5.50 + 5.45}{2}$ x	0.125 =	20.53 x
	1 x	30 x	$\frac{5.45 + 5.40}{2}$ x	0.125 =	20.34 x
	1 x	30 x	5.40 x	0.125 =	20.25 x
	1 x	30 x	5.55 x	0.125 =	20.81 x
	1 x	30 x	$\frac{5.55 + 5.50}{2}$ x	0.125 =	20.72 x
	1 x	30 x	$\frac{5.50 + 5.70}{2}$ x	0.125 =	21.00 x
	1 x	30 x	$\frac{5.70 + 5.68}{2}$ x	0.125 =	21.19 x

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Measurement Date -				28/10/24
(1)	Const. of Circular Kanals				
	with irregular				
SI No.	Ch in m	Dist in m	Area in m ²	Mean diam in m	Volume in m ³
1	0		4.591 4.544		
2	50	50	6.802	5.673	283.650 m ³ ✓
3	100	50	4.848	5.825	291.250 " ✓
4	150	50	4.654	4.751	237.550 ✓
5	200	50	5.066	4.860	243.00 " ✓
6	250	50	5.996	5.531	276.550 " ✓
7	300	50	6.120	6.058	302.900 " ✓
8	350	50	3.662	4.891	244.550 ✓
					182.575
9	400	50	2.041	2.652	157.725 ✓
10	450	50	2.668	3.155	149.950 ✓
11	500	50	3.330	2.999	141.425 ✓
12	550	50	2.327	2.829	154.450 ✓
13	600	50	3.851	3.089	176.450 ✓
14	650	50	3.207	3.529	175.275 ✓
15	700	50	3.804	3.506	209.550 ✓
16	750	50	4.578	4.191	178.900 ✓
17	800	50	2.578	5.578	179.675 ✓
18	850	50	4.609	5.544	256.575 ✓
19	900	50	5.654	5.132	320.475 ✓
20	950	50	7.165	6.410	344.250 ✓
21	1000	50	6.605	6.885	265.250 ✓
22	1050	50	4.005	5.305	175.925 ✓
23	1100	50	3.032	3.519	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
24	1150	50	4.167	3.800	179.975 ✓
25	1200	50	6.451	5.309	265.450 ✓
26	1250	50	4.925	5.628	284.400 ✓
27	1300	50	5.036	4.981	249.675 ✓
28	1350	50	5.732	5.384	269.200 ✓
29	1400	50	4.851	5.312	265.575 ✓
30	1450	50	5.152	5.022	251.075 ✓
31	1500	50	4.331	4.742	237.675 ✓
32	1550	50	4.814	4.573	228.625 ✓
33	1600	50	4.216	4.515	225.750 ✓
34	1650	50	5.259	4.738	236.875 ✓
35	1700	50	5.562	5.411	270.525 ✓
36	1750	50	5.333	5.448	272.375 ✓
37	1800	50	5.174	5.254	262.675 ✓
38	1850	50	5.225	5.200	259.975 ✓
39	1900	50	4.615	4.920	246.000 ✓
40	1950	50	5.468	5.042	252.075 ✓
41	2000	50	6.815	6.142	307.075 ✓
42	2050	50	5.234	6.025	301.225 ✓
43	2100	50	5.747	5.491	274.525 ✓
44	2150	50	6.323	6.035	301.750 ✓
45	2200	50	5.432	5.878	293.875 ✓
46	2250	50	5.566	5.499	274.950 ✓
47	2300	50	4.465	5.016	250.775 ✓
48	2350	50	5.478	4.972	248.575 ✓
49	2400	50	4.373	4.926	246.275 ✓
50	2450	50	4.649	4.508	225.400 ✓
51	2500	50	4.015	4.389	216.450 ✓

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
52	2550	50	6.582	5.249	264.925 ✓
53	2600	50	4.556	5.569	278.450 ✓
54	2650	50	4.389	4.473	223.625 ✓
55	2700	50	4.949	4.669	233.450 ✓
56	2750	50	5.208	5.079	253.975 ✓
57	2800	50	4.673	4.941	247.025 ✓
58	2850	50	5.715	4.894	244.700 ✓
59	2900	50	4.722	4.919	245.925 ✓
60	2950	50	4.849	4.786	239.275 ✓
61	3000	50	4.751	4.800	240.000 ✓
62	3050	50	3.991	4.371	218.550 ✓
63	3100	50	4.435	4.213	210.650 ✓
64	3150	50	5.415	4.925	246.250 ✓
65	3200	50	4.416	4.916	245.775 ✓
66	3250	50	5.725	5.071	253.525 ✓
67	3300	50	4.242	4.984	249.175 ✓
68	3350	50	4.881	4.562	228.075 ✓
69	3400	50	4.881	4.881	244.050 ✓
70	3450	50	4.881	4.881	244.050 ✓
71	3500	50	3.943	4.412	220.600 ✓
72	3550	50	3.575	3.759	187.950 ✓
73	3600	50	2.428	3.002	150.075 ✓
74	3650	50	2.355	2.392	119.575 ✓
75	3700	50	2.119	2.237	111.850 ✓
76	3750	50	2.351	2.235	111.750 ✓
77	3800	50	1.828	2.090	104.475 ✓
78	3850	50	1.877	1.853	92.625 ✓

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
79	3910	50	2.034	1.986	99.775 ⁹
80	3950	50	2.161	2.178	106.375
81	4000	50	1.250	1.706	85.775
82	4050	50	1.350	1.300	65.000
83	4100	50	2.150	1.750	87.500
84	4150	50	1.650	1.900	95.000
85	4200	50	1.450	1.550	77.500
86	4250	50	2.150	1.800	99.000
87	4300	50	1.450	1.800	90.000
88	4350	50	1.650	1.550	77.500
89	4400	50	1.350	1.500	75.000
90	4450	50	2.161	1.756	87.775
91	4500	50	1.918	2.040	101.975
92	4550	50	2.545	2.232	111.575
93	4600	50	2.431	2.518	125.900
94	4650	50	2.738	2.615	130.725
95	47 4700	50	2.329	2.534	126.675
96	4750	50	2.161	2.245	112.250
97	4800	50	2.161	2.161	108.050
					19709.075 ⁹
Deduction GSB					= 1711.190 ¹¹
Gr-I					= 437.460 ¹¹
Gr-II					= 1667.440 ¹¹
BM+ SDBC					= 1374.870 ¹¹
Earthwork shoulder					= 5062.510 ¹¹
PCC					= 1041.560 ¹¹
					= 8414 m ³
Limit					= 8391.078
					= 8391.08

Continuation

For 1000m lead 60% = 5034.65 m³For 100m lead 40% = 3356.43 m³

D.F. - 384023-00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4/4) Screeding Existing Bituminous Surface					
Qty - 1743.75 m ² v.p(1)					
@ RS - 20.61 / m ²					= 35999.00
(5/5) Excavation for roadwork in soil using manual					
Qty - 2905.875 m ³ v.p(2)					
@ RS - 94.98 / m ³					= 276000.00
(6/6) Const ⁿ of embankment with approved material					
Qty - 1743.53 m ³ v.p(2)					
@ RS - 58.78 / m ³					= 102485.00
(7/7) Excavation for roadwork in soil with hydraulic					
Qty - 2905.88 m ³ v.p(2)					
@ RS - 94.98 / m ³					= 276000.00
(8/9) Const of Embankment with material for 100m lead 60%					
Qty - 5034.65 m ³ v.p(16)					
@ RS - 261.18 / m ³					= 1314949.00
(9/10) Const of Embankment for 100m lead 40%					
Qty - 3356.43 m ³ v.p(16)					
@ RS - 173.51 / m ³					= 582374.00
(10/11) Const ⁿ of Subgrade					
					2971770.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		and earthen shoulders			
	Qty	5062.51 m ³	p(3)		
	@RS	264.77 /m ³			= 1340401.00
(11/12)		Const ⁿ of GSB			
	Qty	1366.53 m ³	p(5)		
	@RS	1955.40 /m ³			= 2672113.00
(12/13)		Providing laying			
		Spreading and			
		Gr-2			
	Qty	437.46 m ³	p(6)		
	@RS	2685.98 /m ³			= 1175009.00
(13/14)		WBM Gr-3			
	Qty	1374.86 m ³	p(7)		
	@RS	2953.40 /m ³			= 4060519.00
					4060984.00
(14/15)		CC Const ⁿ of granular			
		G GSB-1			
	Qty	344.66 m ³	p(8)		
	@RS	1955.40 /m ³			= 673948.00
(15/20)		W.C.C WBM Gr-III			
	Qty	198.54 m ³	p(9)		
	@RS	2953.40 /m ³			= 587254.00
(16/36)		P.Laying of a			
		reinforced CC			
		Pipe for duct			
	Qty	100.00 R.M.	p(3)		
	@RS	1173.12 /R.M.			= 117312.00
(17/37)		Cast work in excavation			

Continuation

13598791.00

13598326.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
for foundation					
Qty - 100 - 158 m ³ (3)					
(18/38) @ RS - 405.37/m ³					40647 = 00
Bovilling 115 (Pcc 1125/5)					
as levelling					
Qty - 21.312 m ³ up (4)					
(19/39) @ RS - 5411.85/m ³					115337 = 00 115387 = 00
PCC in substructure					
Complete					
Qty 90.99 m ³ v.p (4)					
(20/40) @ RS - 5814.20/m ³					529034 = 00
P8 Laying RCC pipe					
NP 3 for culverts					
Qty - 45.00 45.00 m v.p (4)					
@ RS - 3354.54 / m ³					150968 = 00
(21/41) Painting on parapet					
wall Painting					
Qty 74.88 m ² v.p (4)					
@ RS 139.16/m ²					10420 = 00
Add GST 18% 8 1% Labour cost					14445197 = 14444733 = 00 2744477 = 2744587 =
Add S.F 10%					297582 =
below 0.01% Rate (-)					17487366 = 00 17486813 = 00 1749 = 00
					17485617 = 00 17485004 = 00
due to allotment limit					9500000 = 00
8/11/25 J.E					
8/11/25					
8/11/25					

Continuation

Attachment vide letter No. - 06 dt. 17-01-25 for
Rs. 9500000.00.

1st on A/c 22 Bill

Sch. XLV-Form No. 134

Rs. 9500000.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. S.D. @ 5%			-		475000.00
2. I.T. @ 1%			-		95000.00
3. L.C. @ 1%			-		95000.00
4. C.GST @ 1%			-		95000.00
5. SGST @ 1%			-		95000.00
6. Royalty			-		811357.00
7. S. Fee			-		297582.00
Total Deductions -					1963939.00
Payable Cheque -					7536061.00
Total Amount -					9500000.00

~~Rs. 9500000.00~~

Rs. 95,00,000.00 (Ninety five Lakh only.)

Executive Engineer
Rural Works Department
Work Division, Tekari

11-02-25

11-2-25

cheque N. 000009 dt 13/2/25 Rs. 7536061.00

Executive Engineer
R.W.D. Works Division
Tekari

13-02-25

Rs. 3 dt 13/2/25