

Est on A/c Bill

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.	
All work - Construction of Road from Dene Canal Pitch Road to Mera Agency - Aditya Kumar Thapar Agg. No. - 06 SBD/2023-24 Date of commencement - 24/07/2023 Date of Completion - 23/01/2025 Date of entry - 20/09/2023 Work done -					
(+) Setting out working Benchmark do					all a/c. 3.01 km
(+) Construction of Reference Pillar do					all a/c. 3.01 km
(+) cleaning and Grubbing road Land					do - all a/c
		80 x 80 m	8.0		= 2700
		80 x 80 m	8.0		= 2700
		80 x 80 m	3.0		= 2700
		10 x 80 m	3.0		= 900
		1 x 10 m	3.0		= 30
					9800 = 10.90 Haul.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4 Construction of embankment with approved material do do all exp. Quantity as per schedule					
S.No	ch	Area	Mean Area	Dist	Volume
1	0	2.724	—	—	—
2	50	2.451	2.588	50	129.375
3	100	3.320	2.886	50	144.275
4	150	4.545	3.493	50	196.625
5	200	2.857	3.701	50	185.050
6	250	3.240	3.049	50	152.425
7	300	2.492	2.866	50	143.300
8	350	3.865	3.179	50	158.925
9	400	3.995	3.930	50	196.500
10	450	3.034	3.525	50	176.225
11	500	3.111	3.083	50	154.125
12	550	3.066	3.089	50	154.425
13	600	3.137	3.102	50	155.075
14	650	4.179	3.458	50	182.900
15	700	3.562	3.871	50	193.525
16	750	4.976	3.969	50	198.450
17	800	4.257	4.317	50	215.825
18	850	4.829	4.543	50	227.150
19	900	2.730	3.480	50	188.975
20	950	3.364	2.544	50	129.350
21	1000	3.236	2.810	50	140.000

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
22	1050	3.384	3.310	50	165.500
23	1100	2.864	3.124	50	156.200
24	1150	3.179	3.022	50	151.075
25	1200	2.437	2.808	50	140.400
26	1250	3.170	2.804	50	140.175
27	1300	2.947	3.059	50	152.925
28	1350	2.641	2.794	50	139.750
29	1400	2.590	2.616	50	130.775
30	1450	2.273	2.432	50	121.575
31	1500	2.727	2.500	50	125.000
32	1550	2.411	2.569	50	128.450
33	1600	2.664	2.538	50	126.875
34	1650	2.996	2.580	50	129.000
35	1700	2.518	2.507	50	125.350
36	1750	2.598	2.558	50	127.900
37	1800	2.744	2.671	50	133.550
38	1850	2.736	2.740	50	139.000
39	1900	2.448	2.592	50	129.600
40	1950	2.869	2.659	50	132.925
41	2000	2.482	2.676	50	133.775
42	2050	2.376	2.429	50	121.450
43	2100	2.723	2.550	50	127.975
44	2150	4.588	8.556	50	177.775
45	2200	3.185	9.787	50	189.325
46	2250	5.017	4.101	50	205.050

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
47	2300	2.986	4.002	50	210.075
48	2350	2.392	2.689	50	134.450
49	2400	3.866	2.879	50	143.950
50	2450	1.487	2.427	50	121.325
51	2500	0.765	1.126	50	56.300
52	2550	1.071	0.918	50	45.900
53	2600	0.760	0.916	50	45.975
54	2650	0.809	0.785	50	39.225
55	2700	0.340	0.525	50	28.725
56	2750	0.274	0.307	50	15.350
57	2800	1.054	0.614	50	33.200
58	2850	0.179	0.867	50	43.325
59	2900	0.272	0.476	50	23.775
60	2950	0.237	0.255	50	12.725
61	3000	0.172	0.205	50	10.225
62	3010	0.449	0.311	50	3.105
Less earthen shoulder					7926.755
					6284.90
					1642.455 m
<u>(5/6) Construction of Subgrade and</u>					
Earthen Shoulder - do cell ab					
	80 x 80m	6.0 x 0.30			1620 m ³
	80 x 80m	6.0 x 0.30			1620 m ³
	20 x 80m	6.0 x 0.30			1080 m ³
	1 x 10m	6.0 x 0.30			18.0 m ³
	2 x 80 x 80m	1.325 x 0.20			477 m ³
	2 x 80 x 80m	1.325 x 0.20			477 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 x 20 x 30 m x 1.325 x 0.20					318.0 m ³
2 x 1 x 10 m x 1.32 x 0.20					5.20
2 x 30 x 30 m x 1.20 x 0.075					162 m ³
2 x 30 x 30 m x 1.20 x 0.075					162 m ³
2 x 20 x 30 m x 1.20 x 0.075					108 m ³
2 x 1 x 10 m x 1.20 x 0.075					1.50 m ³
2 x 20 x 30 m x 1.175 x 0.10					143.40
2 x 20 x 30 m x 1.02 x 0.075					91.80 m ³
					<u>6284.30 m³</u>

(6/4) Construction of embankment

with approved materials —

— do — all out

80% of item (4) = 1642.45 m³

= 1313.96 m³

(7/5) Construction of embankment

with approved materials —

— do — all out

20% of item (4)

= 328.49 m³

(8/14) Earthwork in excavation

— do — all out

1 x 6 m x 3.50 x 0.65 = 13.65 m³

2 x 3.5 m x 1.70 x 1.50 = 18.38

4 x 3.5 x 3.5 x 1.50 = 81.513

111.54 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑨ 15 Provide m/c concrete for plain/ra in open foundry — do — all up					
		1 x 6.0 x 2.50 x 0.10			= 1.50
		4 x 3.32 x 2.41 x 0.20			= 6.401
					<u>7.901</u>
⑩ 16 Provide m/c concrete for plain/ra concrete in open foundry — do — all up					
		4 x 2.92 x 2.01 x 0.20			= 4.695
		4 x 2.92 x 1.91 x 0.20			= 4.462
		4 x 2.92 x 1.81 x 0.20			= 4.228
		4 x 2.92 x 1.71 x 0.20			= 3.995
		4 x 2.92 x 1.61 x 0.20			= 3.761
		4 x 2.92 x 1.51 x 0.20			= 3.527
		4 x 2.92 x 1.41 x 0.20			= 3.294
		4 x 2.92 x 1.31 x 0.20			= 3.060
		2 x 2.50 x 0.90 x 1.50			= 2.25
					<u>33.272</u>
⑪ 17 Provide m/c plain/ra reinforcement Sub structure H20 — all up					
		4 x 2.92 x 0.855 x 1.95			= 19.473
⑫ 22 Supplying & fitting HYSD bars in Sub structure — all					
		2 x 28 x 2.43 @ 0.62/m			= 69.192
		6 x 7 x 1.80 @ 0.89/m			= 25.484

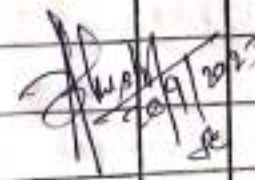
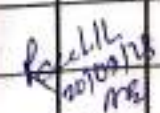
Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2 x 23	x 2.10	⊙	0.8914/m	= 290.674
	2 x 56	x 2.10	⊙	0.624/m	= 195.824
	2 x 26	x 1.20	⊙	0.8914/m	= 55.536
	2 x 36	x 2.0	⊙	0.624/m	= 89.28
	2 x 36	x 2.60	⊙	0.624/m	= 116.064
	2 x 48	x 1.80	⊙	0.3914/m	= 63.18
Externa -	2 x 125	x 1.80	⊙	0.624/m	= 279.000
	2 x 8	x 6.50	⊙	0.3914/m	= 40.36
					<u>1178.7944</u>
					= 1.179 HT
(13/19) Providing Bede filling					
do do all sup					
	2 x 2.92	x 3.38	x 1.95		= 38.491
	Deduct Filter media				(-) 19.984
					<u>18.507 m³</u>
(14/23) Providing filter Media					
do do all sup					
	2 x 3.38	x 0.60	x 2.25		= 9.126
	4 x 2.32	x 0.60	x 1.95		= 10.858
					<u>19.984 m³</u>
(15/20) Providing weep holes					
do do all sup					
	4 x 4				= 16
	2 x 8				= 16
					<u>32 nos</u>

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
16 18 Supplying & fitting 11430 bars					
1st super structure					
do do do					
$2 \times 20 \times 6.30 @ 0.59 \text{ kg/m} = 234.28 \text{ kg}$					
$2 \times 60 \times 1.70 @ 0.62 \text{ kg/m} = 126.48 \text{ kg}$					
$2 \times 26 \times 1.20 @ 0.89 \text{ kg/m} = 55.54 \text{ kg}$					
					406.30 kg
					$= 0.4106 \text{ MT}$
17 21 Providing & placing & treatment					
Concrete Mass do do					
$1 \times 6.0 \times 2.50 \times 0.25 = 3.75$					
$2 \times 6.0 \times 2.0 \times 0.25 = 6.00$					
$4 \times 6.0 \times 0.01 = 0.24$					
					9.99 m ³
18 24 Providing Drainage channel					
do do do					
4 m ³					
19 25 Providing and laying reinforcement					
Concrete Mass do do					
Structure do do					
$1 \times 2.50 \times 6.0 \times 0.25 = 3.75$					
Kerb $2 \times 2.50 \times 0.25 \times 0.25 = 0.3125$					
					4.0625 m ³
20 26 Construction of Road					
Roadway do do					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	$2 \times 2.50 \times 1 = 5m$				
(21) 7	Cancellation of Gravel				
	Sub base — do — all				
	$70 \times 70m \times 4.05 \times 0.20 = 729.0m^3$				
	$70 \times 70m \times 4.05 \times 0.20 = 729.0m^3$				
	$20 \times 70m \times 4.05 \times 0.20 = 486.0m^3$				
	$1 \times 10m \times 4.05 \times 0.20 = 8.10m^3$				
	$20 \times 70m \times 4.05 \times 0.10 = 243.00$				
Extra	$9 \times 10m \times 3.60 \times 0.20 = 21.60$				
					2216.70m ³
(22) 8	Provident and left side				
	Metal Gravel — do — all				
	$80 \times 80m \times 3.75 \times 0.075 = 253.125$				
	$80 \times 80m \times 3.75 \times 0.075 = 253.125$				
	$80 \times 80m \times 3.75 \times 0.075 = 253.125$				
	$10 \times 80m \times 3.75 \times 0.075 = 84.375$				
	$1 \times 10m \times 3.75 \times 0.075 = 2.8125$				
					846.5625m ³
Extra	$3 \times 10m \times 3.60 \times 0.075 = 8.10m^3$				
					854.66m ³
					
					

Continuation

Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
① Construction of working Bench mark — do — all up.					
3.01 km Page (1) — (1)					
② 5573.10 / km					16775 =
③ Construction of Reference Pillar — do — all up					
3.01 km Page (1) — (2)					
④ 2619.28 / km					7857 =
⑤ clearing and grubbing road land — do —					
0.90 Ha. rate (1) — (3)					
⑥ 72697.88 / Ha					65428 =
⑦ Construction of embankment with approved materials — do — all up					
1313.96 m ³ Page (5) — (6)					
⑧ 259.0 / m ³					340316 =
⑨ Construction of embankment with approved materials — do — all up					
328.40 m ³ Page (5) — (7)					
⑩ 26254.61 / m ³					60314 =
⑪ Construction of subgrade and shoulders — all up					

Continuation

490690 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6284.70 m ³ puf (5) item (5)					
(7) 262 = 54/m ³					1649880 =
(7/7) Construction of Gravelly Sub base — do — all					
2216.70 m ³ puf (9) item (21)					
(8) 4795.87/m ³					10631049 =
(8/8) Provision and laying of Metal Grids — all					
854.66 m ³ puf (9) item (22)					
(9) 6318 = 03/m ³					5399767 =
(9/14) Earthwork in excavation — do — all					
111.54 m ³ puf (5) item (8)					
(10) 410.66/m ³					45805 =
(10/15) Provision Concrete Slab/m ² Concrete in foundation — all					
7.90 m ³ puf (6) item (9)					
(11) 9714 = 28/m ³					76752 =
(11/16) Provision Concrete Slab/m ² in foundation — all					
33.272 m ³ puf (6) item (10)					
(12) 9207.34/m ³					306346 =
Continuation					18600289 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12/13) Provision of Plaster of 1st 8cm & plaster. etc					
19.473 m ³ Page (6) Item (11)					
(1) 9476 = 11/m ³					184918 =
(13/18) Supplying & fitting HYSD bars — do — etc etc					
0.406 MT Page (2) Item (16)					
(2) 886 11 = 88/MT					38976 =
(14/19) Provision of Back filling — do — etc etc					
18.507 m ³ Page (7) Item (15)					
(1) 954.85/m ³					17671 =
(15/20) Provision of wood hailed — do — etc etc					
32 MT Page (7) Item (15)					
(1) 148 = 93/each					4766 =
(16/21) Provision of Plaster/reinforce Common concrete — etc					
9.99 m ³ Page (8) Item (12)					
(1) 10776.16/m ³					167854 =
(17/22) Supplying & fitting HYSD bars — do — etc etc					
1.179 MT Page (7) Item (12)					
(1) 81131.16/MT					95654 =
Continuation					19047128 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
18/23 Providing Filter Media.					
do do					
19.984 m ³ page (14) u (14)					
① 5350 = 03 / m ³					106915
19/24 Providing drainage about.					
do do					
47 m ² page (8) u (18)					
① 817 = 20 / each					32692
20/25 Providing and laying of concrete					
do do					
4.094 m ³ page (8) u (19)					
① 11622 = 17 / m ³					475812
21/26 Construction of Rec Railing					
do do					
5.04 page (9) item (20)					
① 6647 = 67 / M					332882
					192381312
Add 18% GST				(+)	34628632
Add 1% L.C.B.				(+)	1923812
Add S. Fee				(+)	8390022
					282323772
Less 0.05% below				(-)	116162
					28220761
Signature 20/09/2023 JE Receipt 20/09/2023 AE					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Materials & components</u>					
All rates & measurements Bangalore					
(1) Earthwork —					
7926.75 m ³ @ 135.01/m ³ —					
(2) Stone Hotal (53mm to 26.5mm)					
138e.23 m ³ @ 915.67/m ³ —					
(3) 26.5mm to 4.75mm)					
532.092 m ³ @ 424.21/m ³ —					
(4) Crush + sand —					
298.138 m ³ @ 494.0/m ³ —					
(5) Stone material					
53mm to 22.4mm					
1034.586 m ³ @ 1080.58/m ³ —					
11.2mm size —					
205.207 m ³ @ 424.21/m ³ —					
(6) Stone chips —					
40mm size —					
42.59 m ³ @ 494.0/m ³ —					
20mm size —					
22.341 m ³ @ 1186.0/m ³ —					
10mm size —					
7.20 m ³ @ 586.0/m ³ —					
(7) coarse sand —					
36.0 m ³ @ 494.0/m ³ —					

Continuation

Continuation

20/9/2023
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Recd
20/09/2023
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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Materially & scalement</u>					
All rates including contingency					
(1) Earthwork —					
7956.75 m ³ @ 35.01/m ³ —					
(2) Stone Hetch (53mm to 26.5mm)					
1380.23 m ³ @ 15.67/m ³ —					
(3) 26.5mm to 4.75mm)					
532.092 m ³ @ 424.51/m ³ —					
(4) Crush sand —					
798.138 m ³ @ 494.0/m ³					
(5) Stone material					
53mm to 22.4mm					
1034.586 m ³ @ 1080.50/m ³ —					
11.2mm size —					
205.207 m ³ @ 424.24/m ³ —					
(6) Stone chips —					
40mm size —					
42.57 m ³ @ 494.0/m ³ —					
20mm size —					
22.341 m ³ @ 1186.0/m ³ —					
10mm size —					
7.20 m ³ @ 586.0/m ³ —					
(7) coarse sand —					
36.0 m ³ @ 494.0/m ³ —					

Continuation

20/9/2023
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Beck
20/9/2023
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