

M.No. 35b

Schedule XLV-Form No. 134

Road - Matcha to 6047 DIVISION

Masonry (SC)

SUB-DIVISION

Measurement Book

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Itnd on A/c Bell</u>					
<u>Name of work</u> - <u>mapkhusu Tok</u>					
<u>To</u> <u>Lo 44</u>					
<u>Head</u> - <u>M MGSX (S.C.)</u>					
<u>Agency</u> - <u>M/S Jyoti Bhandari</u>					
<u>Agg No.</u> - <u>42 SBD/20-21</u>					
<u>Date of start</u> -					
<u>Date of Completion</u> -					
<u>Agg. Amount</u> - <u>8406776/-</u>					
<u>Date of entry</u> -					
<u>Measurement</u>					
<u>① Provisioning & applying</u>					
<u>Polymers cement with bitumen</u>					
<u>Smaller rate do</u> - <u>4- JCB</u>					
<u>3</u>	30.0	3.75	-	= 337.50 m ²	
<u>1</u>	12.0	3.75	-	= 45.0 m ²	
<u>10</u>	30.0	3.75	-	= 1125.0 m ²	
<u>5</u>	30.0	3.75	-	= 562.50 //	
<u>1</u>	20.0	5.34 + 10.375	-	= 88.73 //	
<u>1</u>	28.0	3.75	-	= 105.0 //	
<u>1</u>	20.0	5.44 + 10.375	-	= 88.73 //	
<u>3</u>	30.0	3.75	-	= 337.50 //	
<u>Agg</u>				= 2689.16 m ²	

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
② P/r applying tack coat with bitumen emulsion etc do all complete job					
Q ₁ as per Hem No ①					2689.16 m^2
Q ₂ = 2689.16 m^2					
③ Providing & laying Micro seal surfacing with waste plastic etc					
Q ₁ as per Hem No ①					2689.16 m^2
Q ₂ = 2689.16 m^2					
④ Construction of unreinforced cement concrete pavement with m2 etc do do all complete job					
8" 30.0 3.75 0.16 = 144.0 m ³					
1" 7.0 3.75 0.16 = 4.20 "					
2" 30.0 3.75 0.16 = 36.0 "					
1" 28.0 3.75 0.16 = 16.80 m ³					
1" x 15m x 3.75 + 5.7 + 4.0 x 0.16 = 11.16 m ³					
Q ₁ = 212.16 m ³					
Q ₂ = 212.16 m ³					
Q ₃ = 212.16 m ³					
Q ₄ = 212.16 m ³					
Q ₅ = 212.16 m ³					
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Q ₄₉ = 212.16 m ³					
Q ₅₀ = 212.16 m ³					

Date of Measurement :-

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ Plaster f/f ordinary Km Post etc do do do job Q/R = 02 Nos					
⑦ Plaster f/f 200 M Post etc do do do all job Q/R = 04 Nos					
⑥ Plaster f/f Banding Peller etc do do job Q/R = 22 Nos					
⑤ Painting two coats on new concrete surface etc do do do all job $2 \times 2 \frac{6.20 \times 1.80}{m} = 44.164 m^2$					
④ Painting on concrete surface etc do do job $2 \times 10 \times 30.10 \times 0.10 = 60.20 m^2$ $2 \times 1 \times 30.10 \times 0.10 = 6.02 m^2$ $2 \times 1 \times 20.10 \times 0.10 = 4.02 m^2$ $Q/R = 70.24 m^2$					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Road marking with Hot applied thermoplastic paint etc do do job					
B.T. 2wp	2x10	30.0	0.10	-	= 120.0m ²
	2x3	30.0	0.10	-	= 18.0 //
electro	2x1	20.0	0.10	-	= 4.0m ²
C.C. 20/30	2x2	30.0	0.10	-	= 48.0m ²
	2x1	7.0	0.10	-	= 1.40 //
	2x1	30.0	0.10	-	= 6.0 //
	2x1	30.0	0.10	-	= 6.0
	2x1	13.0	0.10	-	= 2.60
	2x1	30.0	0.10	-	= 6.0 //
					At 212.0m ²
② P/W F/R maintenance					
Sign boards etc do do job					
					Qty = 02 Nos
③ P/W F/R 60mm square					
framing sign boards etc					
					Qty = 12 Nos
④ P/W F/R 60mm square					
Rectangular sign board etc					
					Qty = 02 Nos

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① P/S of 1/4" 950 mm side octagon stop sign					
					Qty = 0.214

② Construction of road embankment on subgrade with R/W
 Qty sheet = 0.3 per 1/200 gts

Stn	Ch (m)	Area (m ²)	Mean Area (m ²)	Dist (m)	Area (m ²)	Volume (m ³)
1	0.0	3.546	—	0.0	3.546	—
2	50.0	6.738	4.94	50.0	6.333	246.975
3	100.0	6.882	6.526	50.0	6.738	326.775
4	150	2.454	6.181	50.0	6.882	340.50
5	200	2.920	4.668	50.0	2.454	233.40
6	250	2.740	2.687	50.0	2.92	134.050
7	300	3.542	2.595	50.0	2.74	129.750
8	350	7.346	2.906	50.0	3.542	145.300
9	400	7.854	5.445	50.0	7.346	272.25
10	450	3.145	7.601	50.0	7.854	380.05
11	500	3.093	5.52	50.0	3.185	275.975
12	550	3.855	3.139	50.0	3.093	156.950
13	600	3.760	3.474	50.0	3.855	173.700
14	650	3.575	3.808	50.0	3.76	190.375
15	700	3.419	3.665	50.0	3.57	183.25
16	750	3.875	3.495	50.0	3.419	174.725
17	800	3.544	3.647	50.0	3.875	182.350
18	850	1.977	3.71	50.0	3.544	185.475
19	900	1.654	2.757	50.0	1.970	137.850

Continuation

2nd on O/C sheet

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
ST	CH (M)	Area (M ²)	Area (M ²)	Area (M ²)	Volume (m ³)
20	950	1.558	1.814	50	90.700
21	1000	3.197	3.425	50	121.225
22	1050	7.996	5.594	50	279.675
23	1060	1.554	4.775	10	47.750
(A)					549.350

Deduction for curbs:

- (a) for G.S.B. & C) = 37.99 m³
- (b) W.B.M. & C) = 30.11 m³
- (c) C.C. Pavement & C) = 22.16 m³
- (d) R/W & C) = 132.81 m³
- (e) Max. seal & C) = 53.78 m³

(a) Total Deduction = 137.85 m³

Net Qty = (A - B) = 327.50 m³

(1) R/W Qty for road = 1445.74 m³

(ii) R/W in random form = 619.60 m³
Lead = 100m

(iii) R/W Qty for subgrade

5 flup = [327.5 - (1445.74 + 619.60)] m³

At = 1206.16 m³

Handwritten signature and date: 20/3/22

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work =					
to lot					
Agency =					
Ref. No. =					
Date of start =					
Date of completion =					
Date of actual completion =					
Date of Bill =					
App. Amount =					
ABSTRACT OF COST					

- ① Construction of reference
Pillar etc. etc. etc. etc.
At 2 wide T.M.P. - 6
1.06 Km @ R 9417.44/m R 9982.00
- ② Construction of benchmark
Pillar etc. etc. etc. etc.
At 2 wide T.M.P. - 6
1.06 Km @ R 888.20/m R 9997.00
- ③ clearing & grubbing
road etc. etc. etc. etc.
At 2 wide T.M.P. - 6
0.321 @ R 51133.57/m R 16363.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) Construction of road bent with all etc Avg wide T.M.B.P - 14.15 619.60m ³ @ 2.02 = 12.5481 = 00					
(5/5) Construction of subgrade etc do do all etc Avg wide T.M.B.P - 14.15 1206.16m ³ @ 2.02 = 24.32492					
(6) Construction of road etc do do all etc Avg wide T.M.B.P - 14.15 1445.74m ³ @ 1.67 = 24.2031 = 00					
(7) Excavation for road work is soil using manual means etc do do all etc Avg wide T.M.B.P - 6 61.05m ³ @ 74 = 4.527 = 00					
(8) Laying backfill ing layer on prepared subgrade etc do all etc					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8/8 wide TMBP-11 262.5 282.50 m² @ R 42 = 42/m ² L 1240/200					
9 Construction of granules subbase etc etc etc 8/8 wide TMBP-6 537.99 m ³ @ R 27 = 13/m ³ L 1468245=0					
(10) 10) P/relaying spreading 1/2 m on 1/2 m stone med 1/2 m etc etc etc etc etc 8/8 wide TMBP-6 301.11 m ³ @ R 340 = 27/m ³ L 1025060=0					
(11) 11) P/1/4 applying primer coat with bitumen emulsion etc etc etc etc etc 8/8 wide TMBP-10 2689.16 m ² / m ² @ R 2689.13 m ² 2689.13 m ² @ R 44 = 14/m ² L 119505=08					
(12) 12) P/1/4 applying top coat with emulsion etc etc etc etc etc etc 8/8 wide TMBP-10 2689.16 m ² @ R 2689.13 m ²					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2689.13m ² @ 15 = 11/m ² R ₄₀₆₃₃₌₀					

(13)
(13) P/V & Laying mix seal

Sm facing + g.p. (B) 2 ft

do - do - cell - - job

Qty wide sm 22 P-10

2689.16m² @ 2689.13m²

2689.13m² @ 217 = 45/m² R₅₈₄₇₅₁₌₀₀

(14)
(14) Construction of uncrain

forced plain cement concrete

do P/V wall (B) 1 ft + job

Qty wide sm 22 P-10

212.16m³ @ 212.16m³

212.10m³ @ 6778 = 28/m³ R₁₄₃₇₃₇₆₌₀₀

(15)
(16) P/V & F/F ordinary

km Point etc do - do - job

Qty wide sm 22 P-12

02 Nov @ 2349 = 34/m R₄₆₉₈₌₀₀

(16)
(17) P/V & P/A 200 m stone

Part do - do - job

Qty wide sm 22 P-10

04 Nov @ 614 = 17/m R₂₄₅₆₌₀₀

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(17/16) P/V & F/F boundary Peller etc do all job Qty wide TMBP-12 22 Nos @ R 501 = 41/No R 11031 = 0					
(18/19) Painting two coats inclt ing present etc Qty wide TMBP-12 44.4 m ² @ R 97 = 96/m ² R 4355 = 00					
(19/20) P/S applying 2 coats of water based compound etc do all job Qty wide TMBP-12 70.10 m ² @ R 98 = 98/m ² R 6369 = 00					
(20/21) P/S applying road mix etc do all job Qty wide TMBP-13 212.0 m ² @ R 735 = 64/m ² R 155913 = 0					
(21/22) P/V & F/F to ground m/m 3X infirmatory 2 on house etc Qty wide TMBP-7 2 Nos @ R 11379 = 28/No R 22758 = 0					

B/R, 566/792=00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(22/24) P/V F/F 19/21 cm x 10/12 cm Maintenance sign board etc @ 1/2 wide TM BP-13 02 Nos @ R 11879=28/No R 22758=00					
(23/25) P/V F/F 600 mm x 450 mm triangle sign board etc @ 1/2 wide TM BP-13 12 Nos @ R 3482=05/No R 41784=00					
(24/27) P/V F/F 600 mm x 450 mm Rectangular sign board etc @ 1/2 wide TM BP-13 02 Nos @ R 11127=27/No R 8256=00					
(25/28) P/V F/F 900 mm x 600 mm octagon etc etc etc @ 1/2 wide TM BP-13 02 Nos @ R 3084=71/No R 16169=00					
(26/30) Planting of trees and their maintenance etc etc @ 1/2 wide TM BP-15 10 Nos @ R 1819=92/No R 57394=00					
(27/31) R/w Roadmen fund etc @ 1/2 wide TM BP-6					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
74.85 m ² of 247-32/m ² L 20/31=0					
(28/32) sand filling in pump					
on etc etc etc all etc					
Atg wide TMB P-6					
512 m ³ @ 400 = 59/m ³ L 2291=0					
(29/33) P/W B/F/Sandling etc					
Atg wide TMB P-7					
57.29 m ⁴ @ 289 = 67/m ² L 16583=0					
(30/34) P/W Sandling P.C. etc etc					
on etc etc etc etc					
Atg wide TMB P-7					
12.334 m ³ @ 5601 = 44/m ³ L 69092=0					
(31/35) P/W A 1/1 in Con. (V:U)					
etc etc etc etc etc					
Atg wide TMB P-7					
53.01 m ³ @ 5502 = 31/m ³ L 291677=0					
(32/36) S/P/F 1500 mm H/H					
NB etc etc etc etc					
Atg wide TMB P-7					
15.0 m @ 3768 = 40/m L 56526=0					
(33/37) Planting of corn					

Continuation-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Mortar etc etc etc					
2/3 wide TMBP - 7					
72.80 m ² @ R 169.60/m ²					R 12349.00

(34/38) P/11.5 mm deep cement

Pumping etc etc etc

2/3 wide TMBP - 7

26.52 m² @ R 57.41/m² L 1522.00

R 6278324.00

12% Add for GST (4) R 753799.00

1% Add for CBG (4) R 62783.00

Add for Scaffolding (4) R 85825.00

R 7179831.00

0.09% Add for B&GW

Rate as per Agg (4) R 6462.00

Net R 7173369.00

~~2/3 wide TMBP - 7~~

(A) 6/10/022
JB

date 20/5/22
AE