

MMGSY (Gen)

M.B.No.

540

21-22

Schedule XLY Form No. 134.

Prostavyt mada kulivariya pmsy sadak

Akha se Hajinagar Suresh mukhiya ke

Shar Tak ~~gmsa. bhar~~ DIVISION

~~gmsa. bhar~~ SUB-DIVISION

50

Measurement Book

Dharmendra Kumar

प्रमाणित किया जाता है कि इस
गाड़ी पुराने में मशीन द्वारा अंकित
कुल - 100 (एक सौ) पन्ने हैं जिसे
श्री. रमेश कुमार सनरा, सहायक
अभिगता, ग्रामीण कार्य विभाग,
कार्य अवर प्रमंडल, बेलदौर की
निर्गत किया जाता है।

Kamal
Executive Engineer for
R.W.D. Works Div.
Gogri

सहायक अभिगता, ग्रामीण कार्य विभाग
कार्य अवर प्रमंडल, बेलदौर की गाड़ी
पुराने पुनर्निर्गत किया जाता है।

Kamal
कार्यपालक अभिगता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, गोगरी

Sch. XLV - Form No. 134

प्रमंडल गोगरी DIVISION

अवर प्रमंडल बेलदौर SUB-DIVISION

Measurement Book

No. 540

Name of Officer _____

Date of first entry _____

Date of last entry _____

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.	
Name of Road— Construction of					
Mali Phulwariya Pichay Sadak					
Akha Hrijingay Surah Muthiya					
ke ghar tak					
Agency— Sharmendra Kumar					
Agreement No.— 08 SB 1/2021-22					
House/ AM 417					
Date of Start— 27/07/2021					

Date of Completion— 26/07/2022

Recurring Measurement

① Setting out Pillar

② Working Bench Mark All—

Qty— 01 No ✓

③ Reference Pillar

Qty— 5 Nos ✓

④ Clearing & grubbing of

road Road — 20

2 x 10m x 3.5m = 700.00 m² ✓

0.700 m

Continuation

Total = 12.15 m

ABSTRACT OF COST

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Providing & fixing of working bench marks					
Pillars - do -					
Qty. vol. MRP (31)					
il. H (1) Qty. 1 Hrs					
@ 1-3937.13 / H = 3937.00					
il. H (1) Qty. 5 Hrs					
@ 1806.29 / H = 9031.2					
② Laying and gutting road including uprooting - do -					
Qty. vol. MRP (31)					
il. H (2) Qty. 0.70 Hrs					
@ 53879.81 / H = 37716.2					
③ Excavation for road way in soil using manual tools					
Qty. vol. MRP (31)					
il. H (1) Qty. 12.15 Hrs					
@ 75.61 / H = 919.2					
④ Construction of embankment with hatched material with borrow pits.					
Qty. vol. MRP (31) il. H (19)					
Qty. 25500 @ 170.42 = 67599.2					
Qty. 1318.66 @ 162.76 = 214625.2					
Total					333827.2

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑤ Construction of embankment Subgrade with material obtain from					
Qty. vol. m ³ (31)					
11193 = 23.29 @ 192.19/m ³ = 456485 =					
⑥ Construction of granular Sub base by providing well graded material					
Qty. vol. m ³ (32) (4)					
11193 = 23.29 @ 192.19/m ³ = 456485 =					
⑦ Providing deepening and compacting stone mud pit - do					
Qty. vol. m ³ (32) (41)					
11193 = 23.29 @ 192.19/m ³ = 456485 =					
⑧ Providing and applying primer coat with Portland cement emulsion					
Qty. vol. m ³ (43)					
11193 = 23.29 @ 192.19/m ³ = 456485 =					
TOTAL 4203821 =					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9) Providing and applying gare coat with Primer & emulsion Qty vol in m ³ (44) Area 3049.50 m ² ① 14.69/m ³ = 44797 =					
10) Providing and applying of concrete Primer surface Qty vol in m ³ (45) Area 3049.50 m ² ② 203.31/m ³ = 619994 =					
11) Constructing an reinforced plain concrete Qty vol in m ³ (42) Area 244.80 m ² ③ 6765.10/m ³ = 1656096 =					
12) Planting of trees by the road side in 6 m dia holes - do - Qty vol in m ³ (47) Area 80 m ² ④ 855.50/m ³ = 68440 = Total 6593148 =					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) Reinforced Cement concrete m. & gnd Kilometers					
Qty. vol. m. & gnd (46)					
1 km H (8) Qty. 2 Nos					
Qd. 2199.60 / No. = 6599 =					
1 km H (8) Qty. 4 Nos					
Qd. 600 x 65 / No. = 2403 =					
(14) Reinforced Cement concrete m. & gnd boundary wall					
Qty. vol. m. & gnd (42)					
1 km H (13) Qty. 36 Nos					
Qd. 50077 / No. = 18028 =					
(15) Providing and fixing of wire reflective counter array barrel - do -					
Qty. vol. m. & gnd (46)					
1 km 9, i, ii, iii, iv -					
Qty. 10 Nos Qd. 3636.85 / 4 = 36369 =					
Qd. 6 Nos Qd. 4933.65 / 4 = 29602 =					
Qd. 4 Nos Qd. 4665.26 / 4 = 18661 =					
Qd. 2 Nos Qd. 8905.74 / 4 = 17811 =					
(16) Providing and laying of Hot applied bituminous compound - do					
Qty. vol. m. & gnd (48) 1 km H (16)					
Qd. 172.0 m ² Qd. 921.98 / 4 = 124.18 =					
Total					6846802 =

Particulars	Details of actual measurement				Contents of area.
	No.	L.	B.	D.	
(17) Provisional listing of Not applied charges Plastic container On voltmeter (48) N/A (17) 0.8000 CA $921.98 / 12 = 76.8316$					
(18) Provisional listing of Reinforced concrete Dike duct and - On voltmeter (46) N/A (18) 0.2000 CA $844.50 / 12 = 70.375$					
(19) Direction and place identification Sign up to 900m On voltmeter (46) N/A (19) 0.1200 CA $2691.92 / 12 = 224.326$					
(20) Provisional listing of Type of mass in - form of board - On voltmeter (32) (42) N/A (20) 1.1 0.218 + 4 = 6.145 CA $9238.49 / 12 = 769.874$ Total = 6988018 =					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(21) Construction of embankment with topsoil materials —					
Qty vol in BPH (48)					
Unit (18) 7.79 m ³					
Q = 46.71 m ³ = 837.20					
(22) Earthwork excavation of foundation in subsoil —					
Qty vol in BPH (32)					
Unit (8)					
Q = 231.74 m ³					
Q = 283.94 m ³ 658.00 =					
(23) Providing and p.c.e for leveling course do —					
Qty vol in BPH (33)					
Unit (9) 29.32 m ³					
Q = 5285.90 m ³ = 154983 =					
(24) Sand filling in foundation trench as per drawing					
Qty vol in BPH (32)					
Unit (10)					
Q = 2.00 m ³					
Q = 432.32 m ³ = 108120					
Total = 7210219 =					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(25) Brick masonry in substructure in foundation Qty vol in m ³ (33) Area (11) 123.9520 C ₁ 5664.98/4 = 694662 =					
(26) Brick masonry work in m ³ (1.4) Substructure - Qty vol in m ³ (33) Area (12) 83.124 C ₁ 5897.33/4 = 488524 =					
(27) Plain reinforced ment concrete in 20 m ³ substructure Qty vol in m ³ (34) Area (13) 8.130 C ₁ 6065.85/4 = 49350 =					
(28) Provide Bitumen Painting on top super structure - Qty vol in m ³ (31) Area (14) 1 - 28.24 C ₁ 14.69/4 = 414 = Total 8443169 =					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(29) 8 F.P. HYSD bar reinforcement in Super structure					
Qty. in m^3 (34)					
Wt. (15) Qty. 1.318 mt					
Q. 50/65.22/mt. 66118 =					
(30) Providing lifting reinforcement in sub structure					
Qty. in m^3 (34)					
Wt. (16) Qty. 9.216 mt					
Q. 6998.03/mt = 64494 =					
(31) Providing and fixing Scaffolding in concrete work on Deck slab					
Qty. in m^3 (35)					
Wt. (17) Qty. 30000					
Q. 37.71/mt = 1131 =					
(32) Brick masonry work in parapet all comp - do -					
Qty. in m^3 (35)					
Wt. (18)					
Q. 7.68 m^3					
Q. 6226.66/mt = 47827					
total					8622733 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(33) Providing and laying of R.C.C. N.P.3 Hume Pipe - do - - - Qty vol. m. B.P. (35) 1 unit (19) 19.00 x 7.50 m @ 1.3984.01 / m = 29880 =					
(34) - Plastering on the m c/c 11.48 5 mm thick on Brickwork - - Qty vol. m. B.P. (25) 1 unit (20) 20.00 x 9.66 m @ 1.67.43 / m = 34150 =					
(35) Providing and laying in Brick work in substructure - Qty vol. m. B.P. (30) 1 unit (21) 21.00 x 5.6 m @ 1.09.69 / m = 6143 =					
(36) Providing 15 mm Dunnage on Brick work - - - Qty vol. m. B.P. (26) 1 unit (22) 22.00 x 14.22 m @ 4.12 / m ² = 67020 =					
Total.					8693576 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B.F.	-				3693576 ⁰⁰
Add 12% G.S.T. - 1% Lic.	-				1130/65 ⁰⁰
Add. S.F.	-				95049 ⁰⁰
Total	-				9818790 ⁰⁰
less 14.54% B.C.	-				1432014 ⁰⁰
	-				8416776 ⁰⁰
less 3% A.C. (-)	-				5090029 ⁰⁰ 5090029 ⁰⁰
Net B.	-				3326695 ⁰⁰
	-				3326748 ⁰⁰
CEP	-				30.12.2023
Mund	-				30.12.2023
EE	-				J.E
Material statement / S.F.					

① Earth work	604.14 m ³
② Earthwork	29.85 @ 397.23 X 11 = 1187 ⁰⁰
③ Strengthening	
53 m to 9.5 m - 29.85 @ 620.60 X 10% = 1849 ⁰⁰	
9.5 m to 2.36 m - 11.92 @ 514.58 X 10% = 613 ⁰⁰	
2.36 m to bed - 17.88 @ 175.85 X 10% = 314 ⁰⁰	
53 m to 22.4 m - 142.12 @ 511.44 X 10% = 7270 ⁰⁰	
11.20 m to 2.36 m - 29.85 @ 397.23 X 11 = 1187 ⁰⁰	
13.2 m to 2.36 m - 82.33 @ 573.37 X 10% = 4309 ⁰⁰	
Gravel stone	220.22 @ 352.00 X 10% = 7755 ⁰⁰
Cemented	99.84 @ 105.80 X 10% = 1758 ⁰⁰
Total	25049 ⁰⁰
Emulsion SS	2.592 m.T
Emulsion B	1.839 m.T
Paint material	5.331 m.T
West plastic	0.463 m.T