MP Group - 03

Schedule XLV-Form No. 134 (मार्डेंपत्र)

किउरल तर्क्सरोरो पूरंप रोड मद्र्य पड

Cost - 1968966

Maint - 812025

Total - 27.80 991

08 M.B.T 21-22

DIVISION

SUB-DIVISION

प्रांरंभ - 18-8-21

M.B - 699 31-12-21

MEASUREMENT BOOK

प्रमाणित किया जाता है कि इस मापीपुस्त सं० 699 में कुल 100 पन्ना है जो MIR Group-03 अंतर्गत [illegible]-[illegible] रोड से [illegible] पथ निर्माण हेतु संवेदक A.E पासवान श्री संजीव कुमार के नाम निर्गत किया जाता है।

31.12.2021

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, लखीसराय
31-12-21

Sch. XLV—Form No. 134

______________________ DIVISION

______________________ SUB-DIVISION

Measurement Book

No. 699

31-12-21
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, लखीसराय

Name of Officer ______________________

____

Date of first entry ______________________

Date of last entry ______________________

1st on A/c Bill & Final

Name fo 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 measurements relating to each work.)

1

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

Name of work:- Repair/Maintenance of road from Kiul Mahestola Road to Murdey chak

Agency:- Ganesh Shai Contractor & Construction Pvt Ltd, Bindabasni, Kiul, Lakhisarai

Agg. No:- 08 MSD/2021-22

Date of Commencement 18.08.21

Date of Completion 17.8.22

Record entry

1. Cleaning and Grubbing of road land

2×26×30.00×0.750 = 1170.00 m²

2×1×20.00×0.750 = 30.00

1200.00 m²

$\frac{1200.00}{10000}$ Hect

0.12 Hect

2. Providing Construction of

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement: No.	L	B	D	Contents of area
Granular Sub-base (Cont)					
1 × 3.40 × 4.15 × 0.150 =					1.24 m³
1 × 8.40 × 1.10 × 0.150 =					1.32 m³
1 × 3.40 × 1.40 × 0.150 =					1.47 m³
1 × 10.00 × 1.20 × 0.150 =					1.80 "
1 × 9.00 × 1.00 × 0.080 =					0.72 "
1 × 11.00 × 1.65 × 0.070 =					1.27 "
1 × 9.00 × 1.12 × 0.150 =					1.51 "
1 × 9.00 × 1.20 × 0.100 =					1.17 "
1 × 11.00 × 1.70 × 0.150 =					2.55 "
1 × 11.00 × 1.20 × 0.150 =					1.98 "
1 × 3.00 × 1.10 × 0.120 =					1.19 "
1 × 3.00 × 1.40 × 0.150 =					1.68 "
1 × 10.00 × 1.00 × 0.150 =					1.50 "
1 × 9.00 × 1.20 × 0.100 =					1.08 "
1 × 10.00 × 1.35 × 0.150 =					2.03 "
1 × 5.00 × 1.85 × 0.150 =					1.39 "
1 × 4.00 × 2.05 × 0.150 =					1.23 "
1 × 6.00 × 1.85 × 0.120 =					1.33 "
1 × 5.00 × 1.35 × 0.150 =					1.310 "
1 × 8.00 × 1.35 × 0.100 ×					1.08 "
1 × 6.00 × 1.55 × 0.100 =					0.93 "
1 × 9.00 × 1.65 × 0.150 =					2.23 "
1 × 6.00 × 2.05 × 0.120 =					1.48 "
					33.45 m³

3. Providing laying and Compacting

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	7.00	1.35	0.075	0.71 m³
	1	8.00	1.30	0.075	0.78 "
	1	7.00	1.60	0.075	0.84 "
	1	10.00	1.40	0.075	1.05 "
	1	9.00	1.20	0.075	0.81 "
	1	11.00	1.85	0.075	1.53 "
	1	9.00	1.32	0.075	0.89 "
	1	9.00	1.50	0.075	1.01 "
	1	10.00	1.90	0.075	1.43 "
	1	11.00	1.40	0.075	1.16 "
	1	9.00	1.30	0.075	0.88 "
	1	8.00	1.60	0.075	0.96 "
	1	10.00	1.20	0.075	0.90 "
	1	9.00	1.40	0.075	0.95 "
	1	10.00	1.55	0.075	1.16 "
	1	5.00	2.05	0.075	0.77 "
	1	4.00	2.25	0.075	0.68 "
	1	6.00	2.05	0.075	0.92 "
	1	5.00	1.95	0.075	0.73 "
	1	8.00	1.55	0.075	0.93 "
	1	6.00	1.75	0.075	0.79 "
	1	9.00	1.85	0.075	1.25 "
	1	9.00	2.25	0.075	1.01 "
	1	5.00	0.75	0.075	0.28 "
	1	3.00	0.67	0.075	0.15 "
	1	3.00	1.00	0.075	0.23 "
	1	2.00	0.80	0.075	0.12 "

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents area
	No.	L.	B.	D.	
	1	3.00	0.70	0.075	0.16 m
	1	4.00	0.85	0.075	0.26 "
	1	7.00	1.10	0.075	0.58 "
	1	5.00	0.65	0.075	0.24 "
	1	2.00	0.90	0.075	0.14 "
	1	5.00	0.80	0.075	0.30 "
	1	6.00	0.65	0.075	0.29 "
	1	7.00	0.70	0.075	0.37 "
	1	5.00	2.20	0.075	0.83 "
					26.05 m

4. Foundation laying and Compacting W.B.M. (75mm)

	1	7.00	1.55	0.075	= 0.81 m
	1	8.00	1.50	0.075	= 0.90 "
	1	7.00	1.80	0.075	= 0.95 "
	1	10.00	1.60	0.075	= 1.20 "
	1	9.00	1.40	0.075	= 0.95 "
	1	11.00	2.05	0.075	= 1.69 "
	1	9.00	1.52	0.075	= 1.03 "
	1	9.00	1.70	0.075	= 1.15 "
	1	10.00	0.70	0.075	= 0.54 "
	1	11.00	0.90	0.075	= 0.74 "

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	9.00	1.50	0.075	1.01 m³
	1	8.00	1.80	0.075	1.08 "
	1	10.00	1.40	0.075	1.05 "
	1	9.00	1.60	0.075	1.08 "
	1	10.00	1.75	0.075	1.31 "
	1	5.00	2.25	0.075	0.84 "
	1	4.00	2.45	0.075	0.74 "
	1	6.00	2.25	0.075	1.01 "
	1	5.00	2.15	0.075	0.81 "
	2	8.00	1.75	0.075	2.10 "
	1	6.00	1.95	0.075	0.88 "
	1	9.00	2.05	0.075	1.38 "
	1	6.00	2.45	0.075	1.10 "
	1	5.00	0.95	0.075	0.36 "
	1	3.00	1.20	0.075	0.27 "
	1	3.00	0.85	0.075	0.190 "
	1	2.00	1.00	0.075	0.15 "
	1	3.20	0.90	0.075	0.32 "
	1	7.00	1.30	0.075	0.68 "
	1	5.00	0.85	0.075	0.32 "
	1	2.00	1.00	0.075	0.17 "
	1	5.00	1.00	0.075	0.38 "
	1	6.00	0.85	0.075	0.38 "
	1	7.00	0.90	0.075	0.470 "
	1	5.00	2.40	0.075	0.900 "
	1	4.00	0.900	0.075	0.27 "
	1	5.00	0.80	0.075	0.30 "

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	× 5.00	× 0.80	× 0.075 =	0.34 m³
	1	× 6.00	× 0.60	× 0.075 =	0.27 "
	1	× 4.00	× 0.70	× 0.075 =	0.21 "
	1	× 5.00	× 1.00	× 0.075 =	0.38 "
	1	× 6.00	× 1.10	× 0.075 =	0.50 "
	1	× 4.00	× 1.20	× 0.075 =	0.36 "
	1	× 4.00	× 0.80	× 0.075 =	0.24 "
	1	× 2.00	× 0.600	× 0.075 =	0.09 "
	1	× 1.00	× 0.50	× 0.075 =	0.04 "
	1	× 4.00	× 0.60	× 0.075 =	0.18 "
	1	× 5.00	× 0.50	× 0.075 =	0.19 "
	1	× 3.00	× 0.50	× 0.075 =	0.11 "
	1	× 1.00	× 1.20	× 0.075 =	0.09 "
	1	× 4.00	× 0.80	× 0.075 =	0.24 "
	1	× 2.00	× 0.60	× 0.075 =	0.09 "
	1	× 1.00	× 0.50	× 0.075 =	0.04 "
	1	× 4.00	× 0.60	× 0.075 =	0.18 "
	1	× 5.00	× 0.50	× 0.075 =	0.19 "
	1	× 3.00	× 0.50	× 0.075 =	0.11 "
					34.90 m³
			Limit		34.09 m³

5. Construction of subgrade & Earthen Shoulders

2	× 6.00	× 30.00	× 0.50	× 0.30 =	54.00
2	× 1	× 20.00	× 0.50	× 0.30 =	6.00
					60.00

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F	60.00
2×	20×	30.00×	1.1×	0.3 =	396.00
					456.00 m²
P B/F 13/5/312					
6. Providing and applying Prime coat					
Area same as Area of WBM Gr III					
VTMMP (6) clai No (4)					
		34.09/0.075 =			454.53 m²
7. Providing and applying Tack coat					
VTMMP (7) clai No. (6)					
i.e. 454.53 m²					
+	4×	3.75 = 15.00 m²			
			469.53 m²		
8. Providing laying rolling and Compacting Pre Mix Carpet cover using MSS with waste plastic					
Area same as item No. (7)					
	i.e.		454.53 m²		
	+ 4× 3.75 = 15.00 m²				
			469.53 m²		

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 × 20 × 30.00 × 1.10 × 0.3 =					
9. Provide Tack Coat for SDBC surface					
1 × 26.00 × 30.00 × 3.75 = 2925.00					
1 × 1 × 20.00 × 3.75 = 75.00					
					3000.00 m2
Extra widths					
4 × 5m × 0.40					= 8.00
5 × 7.00 × .50					= 17.50 m2
4 × 4 × 0.3					= 4.80 m2
					3030.30 m2
10. Provide and lay in Semi Dense Bituminous Concrete as per Spn.					
1 × 26 × 30.00 × 3.75 × 0.025 = 73.12 m3					
1 × 1 × 20.00 × 3.75 × 0.025 = 1.875 m3					
Extra widths					
4 × 5 × 0.40 × 0.025 =					0.20 m3
5 × 7.00 × 0.50 × 0.025 =					0.44 "
4 × 4.00 × 0.3 × 0.025 =					0.12 "
					75.76 m3
11. SIF/F ordinary km Stone PHH					

Continuation

02 nos

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12. S/P/I² 200 m ordinary stone Post					
		03 Nos			
13. S/P/I² Direction & place idents fixation Board					
		27 1·2 × 0·8 = 1·92 m²			
14 S/F/I² 600 mm equilateral Triangular Board					
		~~48~~ Nos 40 Nos			
14. S/F/I² 600 mm circular Board					
		20 Nos			
15. S/P/I² 600 × 450 mm rectangular Board					
		08 Nos			
16. S/F/I² 900 mm octagonal Board					
		04 Nos			

Continuation

P.T.O.

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
17 SIF IR Boundary pillar 100 Nos					
18 Planting of Trees 25 Nos					
19 Roof waterproofing Hot applied paint					
	2	26	20.00	0.12	156.00
	2	1	20.00	0.12	4.00
					160 m²
20 Providing and fixing New maintenance Policy Board 2018	02 Nos				
21 Providing serrated Strip with thread fixed	2	3.00	0.5		3.00 m²
22. Providing RR W (1:3) in Parapet	2 Nos	2	6.00	0.4	0.6 = 5.76 m³

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
23 Providing & fixing RCC (1:1:4)					
Side	2 ×	4.N	× 6.m ×	0.6 =	28.80 m²
Top	2 ×	2 × 6.m ×	0.4 =		9.60 m²
Front	2 ×	4.m ×	4 × 0.6 =		1.96 m²
					40.32 m²
24 Providing & painting two Coats on new surface					
Side	2 ×	4.N ×	4.m ×	6 =	19.20 m²
Top	2 ×	2 × 4 ×	6.m =		96.m m²
Front	2 ×	2 × m ×	m × 4 =		1.92 m²
					117.12 m²

16.5.22

Continuation

P.T.O.

ABSTRACT OF COST

Sch: XLV—Form No. 134

Particulars	Details of actual measurement				Contents area
	No.	L.	B.	D.	
1/1 Clearing and Grubbing of road Land					
VTMRP ①					
0.12 Hect @ Rs 49464.05/Hect Rs 5936					
2/3 Construction of granular Sub base Coat I					
VTMRP ②					
33.45 m³ @ Rs 1363.77/m³ Rs 45618.0					
3/4 Providing laying and Compacting WBM Coat I					
VTMRP ④					
26.05 m³ @ Rs 2451.34/m³ Rs 63857.0					
4/5 Providing laying and Compacting WBM Coat II					
VTMRP ⑥					
34.09 m³ @ Rs 2778.05/m³ Rs 94704.0					
5/1 Construction of Sub grade & Earthern Shoulders					
VTMRP ⑦					
456.00 m³ @ Rs 176.47/m³ Rs 80470.0					

Continuation Rs 2,90585.0

Sch. XLV—Form No. 134

BFM 290585.

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
6 Providing and applying Prime Coat vide (7)					
454.53 m² @ Rs 41.32/m² Rs 18781.00					
7 Providing flatel stone over stone surface using mass vide (7)					
469.53 m² @ Rs 185.23/m² Rs 88380.00					
8 Providing and applying Tack Coat vide (7) 469.53 m²					
P (8) 3030.30 m²					
3499.83 m²					
Limit 3499.58 m²					
@ Rs 14.01/m² Rs 49029.00					
9 Providing Laying and Compacting SDBC vide (8)					
75.76 m³					
Limit					
75.75 m³ @ Rs 9196.36/m³ Rs 6,96624.00					

Continuation

Rs 1143399.00

1143399.~~44399~~

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
10. S/P/I² ordinary km stone Pott VTMNP (8)					
02 Nos	Cms	217.91	Each Rs	4236.~~44~~	
11 S/F/I² 200 m stone Post VTMNP (9)					
03 Nos	Cms	598.59	Each Rs	1796.~~44~~	
12 S/P/I² Direction & place Board VTMNP (9)					
1.92 m²	Cms	12357.54	Each Rs	23726.~~44~~	
13 S/P/I² 600 mm equilateral Triangular Board VTMNP (9)					
40.~~44~~ Nos	Cms	3600.13	Each Rs	144005.~~44~~	
14 S/P/I² 600 mm Circular Board					
20 Nos	Cms	3733.85	Each Rs	74677.~~44~~	
15 S/F/F 600 mm × 450 mm Acclaimpular Board					

Continuation

Rs 1391839.~~44~~

Sch. XLV—Form No. 134

BP Rs 1391839.

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	VTM BP (9)				
8.00 Nos	@ Rs 3603.44	Each Rs			28828.00
16/16 SI/P/2 900 mm octagonal board					
VTM BP (9)					
04 Nos	@ Rs 7636.17	Each Rs			30545.00
17/17 Providing and laying grouted stone					
VTM BP (10)					
3.00 m2	@ Rs 883.10	m2 Rs			2649.00
18/18 SI/P/2 Boundary pillar					
VTM BP (10)					
100 Nos	@ Rs 517.42	Each Rs			51742.00
19/20 Planting of Trees					
VTM BP (10)					
25.00 Nos	@ Rs 80.3 x 30	Rs			6002.00
20/21 Road marking with Lot applied thermo Compact paint					
VTM BP (10)					
160.00 m2	@ Rs 883.10	/m2 Rs			141296.00

Continuation Rs 1652901.00

Sch. XLV—Form No. 134

BFM 165290.00

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
21/22 SI#12 New maintenance Policy board - 2018 vide BP (10)					
	02 Nos	Cm 94.53	31 Each Rs		18907.00
22/23 Providing RCC (1:2:4) in Parapet (10)					
	5.76 m³	Cost 6189.84/m³	Rs		35653.00
23/24 Providing CP work on (24) mm thick RP (11)					
	40.32 m²	Cost 152.84/m² 152.54	Rs		6163.00 6150
24/25 Painting two Coats on walls vide BP (11)					
	117.12 m²	Cost 95.63/m²	Rs		11200.00
			Rs		17,24824.00 1724811
Add 1% Labour Cess			+ Rs		17248.00
Add 12% Cost			+ Rs		206977- 206979.00
			Rs		19,49,051.00 1949036
less for below			0.02%		390
			Total		1948646

Continuation

28.10.22 JE

28/10/22 AE

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area

materials required

① Stone metal 53 mm to 9.5 mm
= 21.41 m³

② Stone chips 9.5 mm to 2.36 mm
= 8.46 m³

③ Coarse Sand = 12.81 + 1.66 + 1.02
= 15.49 m³

④ Stone metal 63 mm to 53 mm
= 31.52 m³

⑤ Screening 6.77 + 9.89 m³
= 16.66 m³

⑥ Filler = 0.52 m³

⑦ Stone metal 53 mm to 22.4 mm
41.25 m³

⑧ E/W (Subgrade) = 456.10 m²

⑨ Bitumen Emulsion SS,
0.3864 MT

⑩ Bitumen Emulsion RS,
= 0.9624 MT

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) Bitumin Sgo			0.892		MT t
		8.742 MT	= 9.634 MT		
(12) Chips	132 nos do	11.2 mm			
		= 12.68 m³			
(13) Chips-	9.5 mm do	4.75 mm			
		= 63.11 m³			
(14) Chips	4.75 & Below				
		245.38 m³			
(15) Filled Chips	4.75 Below				
		3.33 m³			
16. Bricks	2880 Nos				

28-10-22

JR