

Sagara Road to Kadhiya

New Maint Policy-2018

Schedule XLV-Form No. 134

सर्वेक्षक-श्री गोकुल कुमार सिंह

वक्कर

DIVISION

चौहा

SUB-DIVISION

MEASUREMENT BOOK

1506

Name of work—

1

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.)

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

Let on A/c Bill

Name of Work:- Const. of road from Sagra
road to Kathgia under MR (3054)

New Maintenance Policy-2018.

Agency:- Smt. Sheilesh Singh

Village - Baler, P.O. - Dullahpur

Distt. Buxar, Pin- 8021

Agreement NO. 26 MBD of 2020-21

Date of Work order - 08.09.2020

Time of Completion - 09 Months (07.06.2021)

Quoted Rate - 0.00% (S/R) as per Agreement.

Items of work

- ① Clearing and Grubbing road and including uprooting of wild vegetation, grass, bushes, shrubs and disposal of unremovable materials with all complete job.

$$2 \times 131 \times 30.00 \text{ m} \times 1.00 \text{ m} = 7860.00 \text{ m}^3$$

$$= 0.79 \text{ Hect.}$$

- ② Providing and fixing of typical masonry informatory sign board and maintenance board with 'logos' as per specifications 2.00 Nos.

- ③ Construction of subgrade & Bartha n shoulder for maintaining rain cuts in the flank with approved material obtained from borrow pits with all lifts and loads.

$$2 \times 131 \times 30.00 \text{ m} \times 1.00 \text{ m} \times 0.15 \text{ m} = 1179.00 \text{ m}^3$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ Cont. of Granular sub-base by well graded II materials with all comp. etc.					
5x 11.00m x 2.50m x 0.15m					20.63 m ³
4x 6.00m x 2.90m x 0.15m					10.44 m ³
9x 9.00m x 2.00m x 0.15m					24.30 m ³
6x 12.00m x 2.30m x 0.15m					24.84 m ³
7x 14.00m x 2.60m x 0.15m					38.22 m ³
8x 15.00m x 2.40m x 0.15m					43.20 m ³
6x 13.00m x 2.50m x 0.15m					29.25 m ³
5x 14.00m x 2.00m x 0.15m					14.00 m ³
4x 12.00m x 1.90m x 0.15m					9.12 m ³
3x 9.00m x 2.20m x 0.15m					5.94 m ³
6x 10.00m x 2.15m x 0.15m					12.90 m ³
5x 11.00m x 2.80m x 0.15m					15.40 m ³
8x 10.00m x 2.50m x 0.15m					20.00 m ³
4x 6.00m x 2.60m x 0.15m					9.36 m ³
9x 9.00m x 2.60m x 0.15m					31.59 m ³
6x 12.00m x 2.50m x 0.15m					27.00 m ³
5x 14.00m x 2.40m x 0.15m					25.20 m ³
3x 12.00m x 2.30m x 0.15m					12.42 m ³
2x 11.00m x 2.80m x 0.15m					9.24 m ³
				Qty =	383.05 m ³

⑤ Provision, laying, spreading and comp. of stone aggregates of W.P.M. Gr. 2 with crushed screening with all comp. etc.					
5x 12.00m x 2.70m x 0.075m					12.15 m ³
4x 7.00m x 3.10m x 0.075m					6.51 m ³
9x 10.00m x 2.20m x 0.075m					14.85 m ³
6x 13.00m x 2.50m x 0.075m					14.63 m ³
Continuation C/O					48.14 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F	48.14 m ³
7 x 15.00 m x 2.80 m x 0.075 m =					22.05 m ³
8 x 16.00 m x 2.60 m x 0.075 m =					24.96 m ³
6 x 14.00 m x 2.70 m x 0.075 m =					17.01 m ³
5 x 15.00 m x 2.20 m x 0.075 m =					12.38 m ³
4 x 13.00 m x 2.10 m x 0.075 m =					8.19 m ³
3 x 10.00 m x 2.40 m x 0.075 m =					5.40 m ³
6 x 11.00 m x 2.35 m x 0.075 m =					11.63 m ³
5 x 12.00 m x 3.00 m x 0.075 m =					13.50 m ³
8 x 11.00 m x 2.70 m x 0.075 m =					17.82 m ³
4 x 7.00 m x 2.80 m x 0.075 m =					5.88 m ³
9 x 10.00 m x 2.80 m x 0.075 m =					18.90 m ³
6 x 13.00 m x 2.70 m x 0.075 m =					15.80 m ³
5 x 15.00 m x 2.60 m x 0.075 m =					14.63 m ³
3 x 13.00 m x 2.50 m x 0.075 m =					7.31 m ³
2 x 12.00 m x 3.00 m x 0.075 m =					5.40 m ³
				Qty =	249.00 m ³

⑥ Borrowing, laying, spreading and compacting
stone aggregates of W.B.M. Gr 3 with
stone screenings with all complete job.

5 x 13.00 m x 2.90 m x 0.075 m =	14.14 m ³
4 x 8.00 m x 3.30 m x 0.075 m =	7.92 m ³
9 x 11.00 m x 2.40 m x 0.075 m =	17.82 m ³
6 x 14.00 m x 2.70 m x 0.075 m =	17.01 m ³
7 x 16.00 m x 3.00 m x 0.075 m =	25.20 m ³
8 x 17.00 m x 2.80 m x 0.075 m =	28.56 m ³
6 x 15.00 m x 2.90 m x 0.075 m =	19.58 m ³
5 x 16.00 m x 2.40 m x 0.075 m =	14.40 m ³

Continuation

Qty = 144.63 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F	144.63 m ³
4x14.00m x 2.30m x 0.075m					9.66 m ³
3x11.00m x 2.60m x 0.075m					6.41 m ³
6x12.00m x 2.55m x 0.075m					13.77 m ³
5x13.00m x 3.20m x 0.075m					15.60 m ³
8x12.00m x 2.90m x 0.075m					20.88 m ³
4x8.00m x 3.00m x 0.075m					7.20 m ³
9x11.00m x 3.00m x 0.075m					22.28 m ³
6x14.00m x 2.90m x 0.075m					18.27 m ³
5x16.00m x 2.80m x 0.075m					16.80 m ³
3x14.00m x 2.70m x 0.075m					8.51 m ³
2x13.00m x 3.20m x 0.075m					6.24 m ³
				Qty =	290.28 m ³

⑦ For patch repair plastering and applying
primer coat with latex emulsion

(SS+) on prepared surface with all surplus

5x13.00m x 2.40m					188.50 m ²
4x8.00m x 3.30m					105.60 m ²
9x11.00m x 2.40m					237.60 m ²
6x14.00m x 2.70m					226.80 m ²
7x16.00m x 3.00m					336.00 m ²
8x17.00m x 2.80m					380.80 m ²
6x15.00m x 2.90m					261.00 m ²
5x16.00m x 2.40m					192.00 m ²
4x14.00m x 2.30m					128.80 m ²
3x11.00m x 2.60m					85.80 m ²
6x12.00m x 2.55m					183.60 m ²

Continuation

Qty = 2326.50 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F	2326.50 m ²
5x13.00 m x 3.20 m					208.00 m ²
8x12.00 m x 2.90 m					278.40 m ²
4x8.00 m x 3.00 m					96.00 m ²
9x11.00 m x 3.00 m					297.00 m ²
6x14.00 m x 2.90 m					243.60 m ²
5x16.00 m x 2.80 m					224.00 m ²
3x14.00 m x 2.70 m					113.40 m ²
2x13.00 m x 3.20 m					83.20 m ²

Qty = 3870.10 m²

⑧ Providing, laying and rolling of patch
work over W.B.M. using M.S.S. for bituminous
and existing C.C. Pavement with all complete etc.

5x13.00 m x 2.90 m					188.50 m ²
4x8.00 m x 3.30 m					105.60 m ²
9x11.00 m x 2.40 m					237.60 m ²
6x14.00 m x 2.70 m					226.80 m ²
7x16.00 m x 3.00 m					336.00 m ²
8x17.00 m x 2.80 m					380.80 m ²
6x15.00 m x 2.90 m					261.00 m ²
5x16.00 m x 2.40 m					192.00 m ²
4x14.00 m x 2.30 m					128.80 m ²
3x11.00 x 2.60 m					85.80 m ²
6x12.00 m x 2.55 m					183.60 m ²
5x13.00 m x 3.20 m					208.00 m ²
8x12.00 m x 2.90 m					278.40 m ²
4x8.00 m x 3.00 m					96.00 m ²
9x11.00 m x 3.00 m					297.00 m ²
6x14.00 m x 2.90 m					243.60 m ²
5x16.00 m x 2.80 m					224.00 m ²
3x14.00 m x 2.70 m					113.40 m ²
2x13.00 m x 3.20 m					83.20 m ²
				Qty	3870.10 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				8/F	Qty 3870.10 m ²
for Profile correction in old P.C.C. Pavement					
13 x 7.00 m x 0.50 m					45.50 m ²
16 x 2.50 m x 2.50 m					100.00 m ²
11 x 1.50 m x 1.00 m					16.50 m ²
				Qty	4032.10 m ²
⑨ Roadway and applying tack coat with bitumen emulsion R.S.1 with all complete details					
1 x 30.00 m x (8.50 + 6.05 + 3.75) m					183.00 m ²
1 x 25.00 m x (3.75 + 4.50 + 3.75) m					100.00 m ²
1 x 30.00 m x (3.75 + 4.50 + 3.75) m					120.00 m ²
30 x 30.00 m x 3.75 m					3375.00 m ²
1 x 30.00 m x (3.75 + 4.50 + 3.75) m					120.00 m ²
7 x 30.00 m x 3.75 m					787.50 m ²
1 x 35.00 m x (3.75 + 4.50 + 3.75) m					170.00 m ²
20 x 30.00 m x 3.75 m					2250.00 m ²
1 x 30.00 m x (3.75 + 4.50 + 3.75) m					120.00 m ²
13 x 30.00 m x 3.75 m					1462.50 m ²
1 x 30.00 m x (3.75 + 4.50 + 3.75) m					120.00 m ²
4 x 30.00 m x 3.75 m					450.00 m ²
1 x 30.00 m x (3.75 + 4.50 + 3.75) m					120.00 m ²
10 x 30.00 m x 3.75 m					1125.00 m ²
1 x 30.00 m x (3.75 + 4.50 + 3.75) m					120.00 m ²
4 x 30.00 m x 3.75 m					450.00 m ²
1 x 30.00 m x (3.75 + 4.50 + 3.75) m					120.00 m ²
20 x 30.00 m x 3.75 m					2250.00 m ²
1 x 30.00 m x (3.75 + 4.50 + 3.75) m					120.00 m ²
12 x 30.00 m x 3.75 m					1350.00 m ²
				Qty	14883.00 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) Providing laying and setting of semi-circular leaving concrete (S.D.B.C) with @ 4.5 to 5% leaving concrete binder with do do do all complete gale.					
1x30.00mx		$\frac{(8.50+6.05+3.75)}{3}$		m x 0.025m =	4.58 m ³
1x25.00mx		$\frac{(3.75+4.50+3.75)}{3}$		m x 0.025m =	2.50 m ³
1x30.00mx		$\frac{(3.75+4.50+3.75)}{3}$		m x 0.025m =	3.00 m ³
30x30.00mx		3.75m		x 0.025m =	84.38 m ³
1x30.00mx		$\frac{(3.75+4.50+3.75)}{3}$		m x 0.025m =	3.00 m ³
7x30.00mx		3.75m		x 0.025m =	19.69 m ³
1x35.00mx		$\frac{(3.75+4.50+3.75)}{3}$		m x 0.025m =	3.50 m ³
20x30.00mx		3.75m		x 0.025m =	56.25 m ³
1x30.00mx		$\frac{(3.75+4.50+3.75)}{3}$		m x 0.025m =	3.00 m ³
13x30.00mx		3.75m		x 0.025m =	36.56 m ³
1x30.00mx		$\frac{(3.75+4.50+3.75)}{3}$		m x 0.025m =	3.00 m ³
4x30.00mx		3.75m		x 0.025m =	11.25 m ³
1x30.00mx		$\frac{(3.75+4.50+3.75)}{3}$		m x 0.025m =	3.00 m ³
10x30.00mx		3.75m		x 0.025m =	28.13 m ³
1x30.00mx		$\frac{(3.75+4.50+3.75)}{3}$		m x 0.025m =	3.00 m ³
4x30.00mx		3.75m		x 0.025m =	11.25 m ³
1x30.00mx		$\frac{(3.75+4.50+3.75)}{3}$		m x 0.025m =	3.00 m ³
20x30.00mx		3.75m		x 0.025m =	56.25 m ³
1x30.00mx		$\frac{(3.75+4.50+3.75)}{3}$		m x 0.025m =	3.00 m ³
12x30.00mx		3.75m		x 0.025m =	33.75 m ³
Qty =					372.09 m ³
(11) Providing and fixing of km stone and 200m stone with all complete gale.					
(i) km stones					4.00 Nos.
(ii) 200 m stones					17.00 Nos.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) Providing and erecting direction and place identification retro reflected signs as per specification with all complete.					
2 x 1.20m x 0.80m					1.92 m ²
(13) Providing and fixing of retro reflected cautionary, mandating and informative traffic signs as per specification with all complete.					
(i) 600mm equilateral triangle signs					13.00 Nos.
(ii) 600mm Circular signs					4.00 Nos.
(iii) 600mm x 400mm rectangular signs					5.00 Nos.
(14) Painting new letters and figures with synthetic enamel paint as per specification					
2 x 176.00					352.00

M. B. Sarda
16.10.2020
J. E. clause.

Material Statement

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
① <u>Cleaning and grubbing road land</u>					
vide T.M.B. Page No. 1.					
Qty. 0.79 Hect @ Rs. 5110/- = 12/Hect. — Rs. 40,370 = ∞					
② <u>Bricklay and facing of N.M.C.S. information sign board and maintenance</u>					
board with "LOGO" as per specification					
vide T.M.B. Page No. 1.					
Qty. 2.00 Nos @ Rs. 9829 = 71 each — Rs. 196,59 = ∞					
③ <u>Cost of subgrade and earthen shoulder</u>					
with approved material obtained from localities					
vide T.M.B. Page No. 1.					
Qty. 1179.00 m ³ @ Rs. 189 = 41/m ³ — Rs. 2,23,314 = ∞					
④ <u>Cost of G.S.B. by providing well graded material</u>					
vide T.M.B. Page No. 2.					
Qty. 383.05 m ³ @ Rs. 2789 = 17/m ³ — Rs. 10,65,710 = ∞					
⑤ <u>Providing, laying, spreading and compacting</u>					
of stone aggregate W.B.M. Grading-2					
vide T.M.B. Page No. 3					
Qty. 249.00 m ³ @ Rs. 5161 = 72/m ³ — Rs. 12,85,268 = ∞					
⑥ <u>Providing, laying, spreading and compacting</u>					
of stone aggregate of W.B.M. Grading-3.					
vide T.M.B. Page No. 4					
Qty. 290.28 m ³ @ Rs. 4754 = 97/m ³ — Rs. 13,80,273 = ∞					
⑦ <u>Providing and applying primer coat with</u>					
bitumen emulsion (SS) for patch repair					
vide T.M.B. Page No. 5					
Qty. 3870.10 m ² @ Rs. 45 = 10/m ² — Rs. 1,74,549 = ∞					
Continuation					C/O-Rs. 41,89,136 = ∞

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B/F					Rs. 41,89,136=00
(8) Providing, laying and rolling of patch work over bit. B.M. using M.S. sand surfacing					
vide T.M.B. Page No. 6.					
Qty. 4032.10 m ² @ Rs. 22.9 = 75/m ² — Rs. 9,26,375=00					
(9) Providing and applying tack coat with bitumen emulsion (R.S.) on prepared surface					
vide T.M.B. Page No. 6.					
Qty. 14,883.00 m ² @ Rs. 15 = 33/m ² — Rs. 2,28,156=00					
(10) Providing, laying and rolling of 25 mm thick S.D.B.C. with 4.5 to 5.0% bituminous binder					
vide T.M.B. Page No. 7.					
Qty. 372.09 m ³ @ Rs. 117.30 = 37/m ³ — Rs. 43,64,753=00					
(11) Providing and fixing of km and 20mm stone					
vide T.M.B. Page No. 7.					
4.00 Nos. km stone @ Rs. 24.03 = 98 each — Rs. 9616=00					
17.00 Nos. 20mm stone @ Rs. 636 = 86 each — Rs. 10,827=00					
(12) Providing and fixing reflectorised Cautionary, mandatory and informative traffic signs as per specification					
vide T.M.B. Page No. 8					
13.00 Nos. 600mm equilateral triangle @ Rs. 3705 = 61 each — Rs. 48,173=00					
4.00 Nos. 600 circular @ Rs. 3835 = 20 each — Rs. 15,341=00					
5.00 Nos. 600mm x 150mm rectangular @ Rs. 3706 = 08 each — Rs. 18,530=00					
(13) Providing and erecting direction and place identification or reflective signs.					
vide T.M.B. No. 8.					
Qty. 1.92 m ² @ Rs. 12,423 = 25/m ² — Rs. 23,853=00					
Continuation					
C/O — Rs. 98,34,760=00					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F	Rs. 98,34,760=00
(14) Painted on letters and figures with synthetic enamel paint vide T.M.B. Page No. 8.					
Qty. 352.00 @ Rs. 0=53 each				Rs.	187=00
				Total Rs.	98,34,947=00
Add 1% labour cost				(+) Rs.	98,349=00
Add 12% G.S.T.				(+) Rs.	11,80,194=00
				Total Rs.	1,11,13,490=00
M. Based					
16.10.2020					
J. E. Chaula					

Continuation