

बक्स- सासराम पन्ना रोड में खिलाफतपुर

New Maint Police

20/8

Schedule XLV-Form No. 134

संवेदन- की रीति- कुंजर सिंह

बक्स

DIVISION

कोसा

SUB-DIVISION

MEASUREMENT BOOK

1508

Name to 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.)

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

1st on A/c Bill

Name of Work:- Const. of road from Buxar
 Sasaram PWD road to Khidolpatti
 Under MR (3054) New Maint. PWD

Agency:- Sri Shailash Singh
 Village:- Badhar, P.O.:- Duddharpur
 Dist:- 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)

Items of Work

① Clearing and grubbing road land including uprooting of wild vegetation, grass, bushes, shrubs and disposal of unsuitable materials with debris all complete.

$$2 \times 2000.00 \text{ m} \times 1.00 \text{ m} = 4000.00 \text{ m}^2$$

$$= 0.40 \text{ Hect}$$

② Boring and fixing of typical M.M.G.C. informative sign board and maintenance board with "H.O.G.O." as per specification = 2.00 Nos.

③ Const. of subgrade and earthen shoulder for main drainage in the flank with approved material obtained from local source with all lifts and loads.

$$2 \times 66 \times 30.00 \text{ m} \times 1.00 \text{ m} \times 0.15 \text{ m} = 594.00 \text{ m}^3$$

$$2 \times 1 \times 20.00 \text{ m} \times 1.00 \text{ m} \times 0.15 \text{ m} = 6.00 \text{ m}^3$$

$$\text{Qty.} = 600.00 \text{ m}^3$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ Cont. of granular sub-base (G.S.B.)					
lay providing well graded material					
with do-do-all complete gale.					
$2 \times 8.50 \text{ m} \times 2.20 \text{ m} \times 0.150 \text{ m}$					$= 5.61 \text{ m}^3$
$3 \times 9.00 \text{ m} \times 2.50 \text{ m} \times 0.150 \text{ m}$					$= 10.13 \text{ m}^3$
$2 \times 11.00 \text{ m} \times 3.00 \text{ m} \times 0.150 \text{ m}$					$= 9.90 \text{ m}^3$
$4 \times 13.00 \text{ m} \times 2.10 \text{ m} \times 0.150 \text{ m}$					$= 16.38 \text{ m}^3$
$2 \times 14.00 \text{ m} \times 2.20 \text{ m} \times 0.150 \text{ m}$					$= 9.24 \text{ m}^3$
$5 \times 12.00 \text{ m} \times 1.70 \text{ m} \times 0.150 \text{ m}$					$= 15.30 \text{ m}^3$
$3 \times 10.00 \text{ m} \times 2.30 \text{ m} \times 0.150 \text{ m}$					$= 10.35 \text{ m}^3$
$6 \times 13.00 \text{ m} \times 2.60 \text{ m} \times 0.100 \text{ m}$					$= 20.28 \text{ m}^3$
$2 \times 15.00 \text{ m} \times 2.60 \text{ m} \times 0.100 \text{ m}$					$= 7.80 \text{ m}^3$
$3 \times 12.00 \text{ m} \times 2.40 \text{ m} \times 0.100 \text{ m}$					$= 8.64 \text{ m}^3$
$4 \times 3.00 \text{ m} \times 2.80 \text{ m} \times 0.100 \text{ m}$					$= 3.36 \text{ m}^3$
$2 \times 5.00 \text{ m} \times 2.60 \text{ m} \times 0.100 \text{ m}$					$= 2.60 \text{ m}^3$
$2 \times 19.00 \text{ m} \times 2.50 \text{ m} \times 0.100 \text{ m}$					$= 9.50 \text{ m}^3$
$3 \times 8.00 \text{ m} \times 2.60 \text{ m} \times 0.150 \text{ m}$					$= 9.36 \text{ m}^3$
$5 \times 4.00 \text{ m} \times 2.30 \text{ m} \times 0.150 \text{ m}$					$= 6.90 \text{ m}^3$
$2 \times 6.00 \text{ m} \times 2.40 \text{ m} \times 0.150 \text{ m}$					$= 4.32 \text{ m}^3$
$3 \times 13.00 \text{ m} \times 2.40 \text{ m} \times 0.150 \text{ m}$					$= 14.04 \text{ m}^3$
$4 \times 14.00 \text{ m} \times 2.60 \text{ m} \times 0.150 \text{ m}$					$= 21.84 \text{ m}^3$
$1 \times 15.00 \text{ m} \times 1.90 \text{ m} \times 0.150 \text{ m}$					$= 4.28 \text{ m}^3$
				Qty.	189.82 m^3

⑤ Binding, layers, spreading and					
Compacting stone aggregates of WBM					
Grading-2 with cruchale screening					
with do-do-all complete gale.					
$2 \times 9.50 \text{ m} \times 2.40 \text{ m} \times 0.075 \text{ m}$					$= 3.42 \text{ m}^3$
$3 \times 10.00 \text{ m} \times 2.70 \text{ m} \times 0.075 \text{ m}$					$= 6.08 \text{ m}^3$
$2 \times 12.00 \text{ m} \times 3.20 \text{ m} \times 0.075 \text{ m}$					$= 5.76 \text{ m}^3$
$4 \times 14.00 \text{ m} \times 2.30 \text{ m} \times 0.075 \text{ m}$					$= 9.66 \text{ m}^3$
Continuation					
C/O Qty					24.92 m^3

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F	24.32 m ³
2 x 15.00 m x 2.10 m x 0.075 m =					5.40 m ³
5 x 13.00 m x 1.90 m x 0.075 m =					9.26 m ³
3 x 11.00 m x 2.50 m x 0.075 m =					6.19 m ³
6 x 14.00 m x 2.80 m x 0.075 m =					17.64 m ³
2 x 16.00 m x 2.80 m x 0.075 m =					6.72 m ³
3 x 13.00 m x 2.60 m x 0.075 m =					7.61 m ³
4 x 4.00 m x 3.00 m x 0.075 m =					3.60 m ³
2 x 6.00 m x 2.80 m x 0.075 m =					2.52 m ³
2 x 20.00 m x 2.70 m x 0.075 m =					8.10 m ³
3 x 9.00 m x 2.80 m x 0.075 m =					5.67 m ³
5 x 5.00 m x 2.80 m x 0.075 m =					4.69 m ³
2 x 7.00 m x 2.60 m x 0.075 m =					2.73 m ³
3 x 14.00 m x 2.60 m x 0.075 m =					8.19 m ³
4 x 15.00 m x 2.80 m x 0.075 m =					12.60 m ³
1 x 16.00 m x 2.10 m x 0.075 m =					2.52 m ³
					Qty = 128.35 m ³

⑥ Bounding, laying, spreading and compacting
stone aggregates of W.B.M. Grading-3
with stone screening with all complete.

2 x 10.00 m x 2.60 m x 0.075 m =	4.10 m ³
3 x 11.00 m x 2.90 m x 0.075 m =	7.18 m ³
2 x 13.00 m x 3.40 m x 0.075 m =	6.63 m ³
4 x 15.00 m x 2.50 m x 0.075 m =	11.25 m ³
2 x 16.00 m x 2.60 m x 0.075 m =	6.24 m ³
5 x 14.00 m x 2.10 m x 0.075 m =	11.03 m ³
3 x 12.00 m x 2.70 m x 0.075 m =	7.29 m ³
6 x 15.00 m x 3.00 m x 0.075 m =	20.25 m ³
2 x 17.00 m x 3.00 m x 0.075 m =	7.65 m ³
3 x 14.00 m x 2.80 m x 0.075 m =	8.82 m ³
4 x 5.00 m x 3.20 m x	4.80 m ³
C/O - Qty. 95.24 m ³	

Continuation

[illegible]

⑦ Providing and applying primer coat with bitumen emulsion (SS) for patch repair with all components.

2 x 10.00 m x 2.60 m	54.60 m ²
3 x 11.00 m x 2.90 m	95.70 m ²
2 x 13.00 m x 3.40 m	88.40 m ²
4 x 15.00 m x 2.50 m	150.00 m ²
2 x 16.00 m x 2.60 m	83.20 m ²
5 x 14.00 m x 2.10 m	147.00 m ²
3 x 12.00 m x 2.70 m	97.20 m ²
6 x 15.00 m x 3.00 m	270.00 m ²
2 x 17.00 m x 3.00 m	102.00 m ²
3 x 14.00 m x 2.80 m	117.60 m ²
4 x 5.00 m x 3.20 m	64.00 m ²

Continuation

$$A_{\text{total}} = 1269.70 \text{ m}^2$$

Sd. XLV - Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F	1263.70m ²
2x7.00m x 3.00m					42.00m ²
2x21.00m x 2.90m					121.80m ²
3x10.00m x 3.00m					90.00m ²
5x6.00m x 2.70m					81.00m ²
2x8.00m x 2.80m					44.80m ²
3x15.00m x 2.80m					126.00m ²
4x16.00m x 3.00m					192.00m ²
1x17.00m x 2.30m					39.10m ²
				Qty	2006.40m ²

⑧ Bonding, laying and setting of patch

over M.B.M. using mix sand & surfacing

for luminaires and existing C.C. Pavement

2x10.00m x 2.60m					54.60m ²
3x11.00m x 2.90m					95.70m ²
2x13.00m x 3.40m					88.40m ²
4x15.00m x 2.50m					150.00m ²
2x16.00m x 2.60m					83.20m ²
5x14.00m x 2.10m					147.00m ²
3x12.00m x 2.70m					97.20m ²
6x15.00m x 3.00m					270.00m ²
2x17.00m x 3.00m					102.00m ²
3x14.00m x 2.80m					117.60m ²
4x5.00m x 3.20m					64.00m ²
2x7.00m x 3.00m					42.00m ²
2x21.00m x 2.90m					121.80m ²
3x10.00m x 3.00m					90.00m ²
5x6.00m x 2.70m					81.00m ²
2x8.00m x 2.80m					44.80m ²
3x15.00m x 2.80m					126.00m ²
4x16.00m x 3.00m					192.00m ²
1x17.00m x 2.30m					39.10m ²
				C/O	2006.40m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F Qty	2006.40m ²
for profile correction in old P.O.C					
5 x 17.00m x 0.50m					42.50m ²
6 x 5.00m x 3.00m					90.00m ²
1 x 7.00 x 2.50m					17.50m ²
				Qty =	2156.40m ²

⑨ Providing and applying tack coat with bitumen emulsion (RS₁) with do do do all complete gale

1 x 8.00m x $\frac{(6.50 + 5.50)}{2}$ m					48.00m ²
1 x 8.00m x $\frac{(5.50 + 3.75)}{2}$ m					37.00m ²
5 x 30.00m x 3.75m					562.50m ²
1 x 30.00m x $\frac{(3.75 + 4.50 + 3.75)}{3}$ m					120.00m ²
13 x 30.00m x 3.75m					1462.50m ²
46 x 30.00m x 3.75m					5175.00m ²
1 x 20.00 x $\frac{(3.75 + 4.75)}{2}$ m					85.00m ²
1 x 14.00m x $\frac{(4.75 + 6.75)}{2}$ m					80.50m ²
				Qty =	7570.50m ²

⑩ Providing, laying and rolling of S.D.B.C. with do do do all complete gale

1 x 8.00m x $\frac{(6.50 + 5.50)}{2}$ m x 0.025m					1.20m ³
1 x 8.00m x $\frac{(5.50 + 3.75)}{2}$ m x 0.025m					0.93m ³
5 x 30.00m x 3.75m x 0.025m					14.06m ³
1 x 30.00m x $\frac{(3.75 + 4.50 + 3.75)}{3}$ m x 0.025m					3.00m ³
13 x 30.00m x 3.75m x 0.025m					36.56m ³
46 x 30.00m x 3.75m x 0.025m					129.38m ³
1 x 20.00m x $\frac{(3.75 + 4.75)}{2}$ m x 0.025m					2.13m ³
1 x 14.00m x $\frac{(4.75 + 6.75)}{2}$ m x 0.025m					2.01m ³

Continuation

Qty = 189.27m³

Continuation

Sch. XLV. Form No. 134	Details of actual measurement				Contents of area
Particulars	No.	L.	B.	D.	
ABSTRACT OF COST					
① Clearing and grubbing road land vide T.M.B. Page No. 1.					
Qty. 0.40 Hect. @ Rs. 51.105 = 12/Hect. — Rs. 20,440 = 00					
② Bounding and fencing of messy infirmary & 20 leas and main leas with "50 R.O." as per specification vide T.M.B. Page No. 1.					
Qty. 200 Nos. @ Rs. 97.81 = 95/each — Rs. 19,564 = 00					
③ Cost of subgrade and earthen shoulder with approved material obtained from borrow pits vide T.M.B. Page No. 1.					
Qty. 600.00 m ³ @ Rs. 189 = 11/m ³ — Rs. 1,13,646 = 00					
④ Cost of R.S.B. by providing well graded material vide T.M.B. Page No. 2.					
Qty. 189.82 m ³ @ Rs. 25.98 = 22/m ³ — Rs. 4,93,194 = 00					
⑤ Bounding, laying, spreading and compacting of stone aggregate W.B.M-2. vide T.M.B. Page No. 3.					
Qty. 128.35 m ³ @ Rs. 47.82 = 77/m ³ — Rs. 6,13,869 = 00					
⑥ Bounding, laying, spreading and compacting of stone aggregate W.B.M-3. vide T.M.B. Page No. 4.					
Qty. 150.48 m ³ @ Rs. 44.07 = 68/m ³ — Rs. 6,63,268 = 00					
⑦ Bounding and applying pointed coat with best quality cement (S.C.) for patch. vide T.M.B. Page No. 5.					
Continuation					
Qty. 2006.40 m ² @ Rs. 45 = 05/m ² — Rs. 90,388 = 00					
C/O — Rs. 20,14,369 = 00					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F	Rs. 20,14,369=00
⑧ Providing, laying and rolling of patch work on bit. m. using min. seal surcharge (M.S.S.) as per specification vide T.M.B. Page No. 6.					
Qty. 2.156.40 m ² @ Rs. 223 = 21 p ² - Rs. 4,81,330=00					
⑨ Providing and applying tack coat with bitumen emulsion (R.S.) vide T.M.B. Page No. 6.					
Qty. 7570.50 m ² @ Rs. 15 = 32 p ² - Rs. 1,15,980=00					
⑩ Providing, laying and rolling of 25 mm thick S.P.B.C. with 4% to 5% bitumen binders (S.S.) vide T.M.B. Page No. 6.					
Qty. 189.27 m ³ @ Rs. 11393 = 00 / m ³ - Rs. 21,54,460=00					
⑪ Providing and fixing of Km and 200 mm stone vide T.M.B. Page No. 7.					
Qty. 2 nos Km stone @ Rs. 2352 = 93 each - Rs. 4706=00					
Qty. 9 Nos 200 mm stone @ Rs. 627 = 79 each - Rs. 5650=00					
⑫ Providing and erecting direction and place identification station - 20 fluorescent signs as per specification vide T.M.B. Page No. 7.					
Qty. 1.92 m ² @ Rs. 12337 = 41 p ² - Rs. 23,792=00					
⑬ Providing and fixing of station reflected cautionary, mandatory and informative signs vide T.M.B. Page No. 7.					
6.00 Nos 600 mm square reflective @ Rs. 3681 = 78 each - Rs. 22090=00					
4.00 Nos 600 mm circular @ Rs. 3811 = 38 each - Rs. 15,245=00					
3.00 Nos 600 mm x 450 mm rectangular @ Rs. 3682 = 20 each - Rs. 11047=00					
Continuation					
C/O - Rs. 18,48,669=00					

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F	Rs. 48,48,669=00
④ Printing new letters and figures with synthetic enamel paint. vide F.M.B. Page No. 7					
Qty. 352 nos @ Rs. 0.53/each				Rs.	187=00
			Total	Rs.	48,48,856=00
Add 1% labour less				(+) Rs.	48,489=00
Add 12% G.S.T.				(+) Rs.	5,81,863=00
			Total	Rs.	54,79,208=00
M. D. S. D.					
19.10.2020					
J. E. Chandra					

Continuation