

पुस्तक - सौभाग्य और 213 टो 2 वें कक्षा 2014
MR. New 3054

Schedule XLV-Form No. 134

हिस्ट्री
DIVISION

हिस्ट्री
SUB-DIVISION

✓ Nawal Kishor Singh

MEASUREMENT BOOK

MB No-1560

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
			Inv R/A Bill		
			(Final Bill of construction)		
V/W -			Sonhan Bax road		to 2
			to Kambaga.		
owner -			Naval Kishore Singh		
			At. Sakhuau Distt - Patna.		
Agreement No -			M/RD-11/2022-23		
Date of start of work -			9-01-2022		
Intendd date of completion			- 8-10-23		
Actual date of completion			- 15-6-23		
D/E -			26/23		

Record Entry

(1) Prising and applying
 tack coat with bituminous
 emulsion RS-1

At. ch. 399.0 m - 408.8.0 m.	$3 \times 30.0 \text{ m} \times 3.75 \text{ m}$	$= 337.50 \text{ m}^2$
	$1 \times 6.0 \times 3.75 \text{ m}$	$= 22.50 "$
		<u>360.0 m^2</u>
Extra at curves		
At. ch. 0.0.	$1 \times 20.0 \text{ m} \times \left[\frac{11.80 + 3.75}{2} - 3.75 \text{ m} \right]$	$= 80.50 \text{ m}^2$
At. ch. 40m & 470.0 m.		

Particulars	Details of actual measure			Contents of area
	No.	L	B. D.	
	3	15.0	$\left[\frac{4.90 + 3.75}{2} - 3.75 \right]$	$= 17.25 \text{ m}^2$
At CH. 515m / 600m / 1400m.	2	15.0	$\left[\frac{4.70 + 3.75}{2} - 3.75 \right]$	$= 21.375 \text{ m}^2$
At CH. 1840m, 2020m / 2160m	3	15.0	$\left[\frac{4.50 + 3.75}{2} - 3.75 \right]$	$= 16.875 \text{ m}^2$
At CH. 2270m / 2735m	2	15.0	$\left[\frac{4.70 + 3.75}{2} - 3.75 \right]$	$= 14.25 \text{ m}^2$
At CH. 2940m / 3290m	2	15.0	$\left[\frac{4.50 + 3.75}{2} - 3.75 \right]$	$= 11.25 \text{ m}^2$
				16.50 m^2
				Total = 52.150 m²

(2) Provision of laying semi dense bituminous concrete - do - do complete as per tech specifications clause 508

$$2 \times 3.00 \times 3.75 \times 0.02 \text{ m} = 8.437 \text{ m}^3$$

$$1 \times 6.0 \times 3.75 \times 0.02 \text{ m} = 0.563 \text{ m}^3$$

$$0.00 \text{ m}^3$$

Extra at curves.

$$At CH. 070. 1 \times 20.0 \times \left[\frac{4.10 + 3.75}{2} - 3.75 \right] \times 0.02$$

$$= 2.012 \text{ m}^3$$

Continuation

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Particulars Details of actual measure

No. L. B. D.

Quantity in m³

A1. (1) 70.0 m & 40.0 m.

2 x 15.0 x [(4.90 + 3.75) / 2 - 3.75] x 0.025 = 0.431

A1. CH. 515 900m & 1400m

3 x 15.0 x [(4.70 + 3.75) / 2 - 3.75] x 0.025 = 0.534 m

A1 CH 18410.0 m & 2020m 2160m.

3 x 15.0 x [(4.50 + 3.75) / 2 - 3.75] x 0.025 = 0.422 m³

A1. CH. 2320m & 2735.0 m.

2 x 15.0 x [(4.70 + 3.75) / 2 - 3.75] x 0.025 = 0.356 m³

A1 CH. 2940m & 3290m.

2 x 15.0 x [(4.50 + 3.75) / 2 - 3.75] x 0.025

= 0.281 m³

13.036 M³.

dsnd

216/25

87

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
3. Provision & laying of hot applied thermoplastic compound for road marking.					
B.T. Surface —					
					$10 \times 30.0 \times 0.100 \times 2 = 60.0 \text{ m}^2$
					$15 \times 30.0 \times 0.100 \times 2 = 90.0 \text{ "}$
					$15 \times 30 \times 0.100 \times 2 = 90.0 \text{ "}$
					$20 \times 30.0 \times 0.100 \times 2 = 120.0 \text{ "}$
					$20 \times 30.0 \times 0.150 \times 2 = 180.0 \text{ "}$
					$15 \times 30.0 \times 0.100 \times 2 = 90.0 \text{ "}$
					$20 \times 30.0 \times 0.100 \times 2 = 120.0 \text{ "}$
					$20 \times 30.0 \times 0.100 \times 2 = 120.0 \text{ "}$
					$1 \times 30.0 \times 0.100 \times 2 = 6.0 \text{ "}$
					$1 \times 6.0 \times 0.100 \times 2 = 1.20 \text{ "}$
					<u>817.20 m²</u>
4. Provision & Fixing R.C.C MIS in					
					(i) 12m girth — 5 Nos
					(ii) 200m girth — 16 Nos.
5. Provision & Fixing of Cautionary mandatory & informative traffic signs.					
					(i) 600mm equilateral Triangle. Curve sign — 10 Nos.
					(ii) 600mm circular —

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(111) 800 x 450mm rectangular					10 m ²
(6) Bonding & Fixing of typical mm GSY in formwork sign board with Logo					2 Nos.
(7) Bonding / Fixing Guard Stone					98 m ²
(8) Planting of trees by the road side & mainamp one year					320 m ²
(9) Bonding plaster masonry work in cross (13) on parapet					
					2 x 6.0 x 0.40 x 0.600m x 5 nos = 14.40 m ³
(10) Plastering with cross (13) on brick work in gate structure					
					3 x 6.00 x 0.60 x 5 nos = 72 m ²
					2 x 6.00 x 0.40 x 5 = 24 m ²
					4 x 0.400 x 0.600 x 5 = 4.80
					100.80 m ²
(11) Painted two coats on here					

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Plastered surface					
Area as item no (10)					
Plastered area - 100.80 m ²					
(12) consist of sub grade and shoulder with					
off material obtained from borrow pits with					
Lead up to 1000 m.					
Qty as per attached graph					
← 1220.0 m ³					
Deducting previously entered					
Qty ← 4650 m ³ vide items P-10					
7550 m ³					
JMD					
15/6/33					
SB					

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
		Abstract			
(1) clearing and grubbing road land (by manual means)					
		1.630 hect	wide	TRR P-10	
		Rate 62032 = 43 / hect			
				→ Rs 101113 = 00	
(2) Partial costs of subgrade and shoulder with appd materials with lead up to 1000m.					
				755 cu ft TRR P-20	
				465 cu ft " " P-10	
Total		1220.0 m ³		(As per attached	
				graphs)	
		Rate 252 = 32 / m ³			
				→ Rs 307830 = 00	
(3) Partial Provision, laying, spreading and compacting stone aggregates of WBM-CR II.					
		143.81 m ³	wide	TRR P-4	
		Rate 5391 = 16 / m ³			
				→ Rs 775302 = 00	
(4) Provision, laying, spreading and compacting stone aggregates of WBM-CR II specifications.					
		279.527 m ³	wide	TRR P-4	
		Rate 5157 = 23 / m ³			
				→ Rs 1441585 = 00	

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
5. Paroidy and laying Paving coat with bit. emulsion SS-1.					
					3727.026 m ² vide TMS & P-
					CGE 59 = 80 / m ²
					— R ₂ 222876 = -
6. Paroidy & applying Tack coat with bit. emulsion RS-1.					
					18689.526 m ² vide TMS & P-
					521.50 m ² " " P-16
					19211.026 m ²
					CGE 20 = 53 / m ²
					R₂ 394402 = -
					R ₂ 394402 = -
7. Paroidy & laying semi dense bituminous Concrete — all complete as per tech. Specification — clause 508.					
					374.062 m ³ vide TMS & P-09
					13.036 " " " P-17
					387.098 m ³
					Limit — 286.89 m ³
					CGE 13610 = 08 / m ³
					— R ₂ 5285604 = -
8. Paroidy & Fixing Reverts in.					

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(i) Km Stone					
		5 Nos			vide Toms P-18
					Rs 2678 = 76/ — Rs 13394 =
(ii) 200m Stones					
		16 Nos			vide Toms P-18
					Rs 752 = 78/ MS
					— Rs 12049 = 0

9. Provision / Fixing cautionary
 11, 12, 13 mandatory and information
 traffic signs —

(i) 600mm equilateral triangle
 10 Nos vide Toms P-18
 Rs 4201 = 39/ — Rs 4204 =

(ii) 600mm circular
 10 Nos vide Toms P-18
 Rs 4139 = 48/ — Rs 4139 =

(iii) 600 x 450mm rectangular
 10 Nos vide Toms P-19
 Rs 4000 = 53/ — Rs 4000 =

10 Provision of laying of hot
 14 thermoplastic compound
 for Road Marking
 817.20 m² vide Toms P-18
 Rs 823 = 80/ m²
 — Rs 673209 = 0

11. Provision of Fixing of typical
 15 mm grey information sign

Continuation

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

(i) Km Jams

5 Nos vide Table P-18

~~Rs 2678 = 76/~~ — Rs 13394 =

(ii) 200 m Jams

16 Nos vide Table P-18

~~Rs 752 = 78/~~ / Nos

— Rs 12044 =

9. Provision / Fixing cautionary
 11, 12, 13 mandating and information
 traffic signs —

(i) 600 mm equilateral triangle

10 Nos vide Table P-18

~~Rs 4201 = 39/~~ — Rs 4204 =

(ii) 600 mm Circles

10 Nos vide Table P-18

~~Rs 4139 = 48/~~ — Rs 4139 =

(iii) 600 x 450 mm rectangular

10 Nos vide Table P-19

~~Rs 4000 = 53/~~ — Rs 4000 =

10
14 Provision of laying of hot
 thermoplastic compound

for Road Marking

817 20 m² vide Table P-18
~~Rs 823 = 80/~~ m²

— Rs 673209 =

11. Provision of Fixing of typical
 15 mm grey information signs

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Board with Logo.					
— 2 nos					vide TORB P-19
Rate 10275 = 20/nos					
— Rs 20551 = 0					
12/7 Provision, laying and jointing of mixed local boulder of 20 mm thickness - do - all complete					
					3727.026 m ² vide TORB P7
Rate 232 = 29/m ²					
— Rs 865759 = 0					
13/16 Provision / fixing ground 98 nos					
					vide TORB P-19
Rate 631 = 52					
— Rs 61889 = 0					
14/17 Plantation of tree by road side - do - all complete with maintenance the plant for one year					
					vide TORB P-19
Rate 380 NRB					
Rate 380					
Rate 132 = 66/-					
— Rs 403811 = 0					
— Rs 403811 = 0					
15/19 Provision road masonry work in cm (1:3) in parapet 14.40 m ³					
					vide TORB P19
Rate 6251 = 62/m ³					
— Rs 90023 = 0					
16/18 Plastering with exp (1:5)					

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
on previous work					
					100.80 m ² as per P-19
					Rate 180 = 03/m ²
					Rs 18147 = 00
17. Painting two coats on 20 plastered surface					
					100.80 m ² as per P-20
					Rate 116 = 86/m ²
					Rs 11779 = 00
					Rs 10802733 = 00
Add GST @ 12%					Rs 1296328 = 00
Add L. tax @ 1%					Rs 108027 = 00
Add Signage Fee 99.5% of Total					Rs 106223 = 00
					Rs 12313311 = 00
Less 23.77% below as per agreement					Rs 2926874 = 00
					Rs 9386437 = 00
Deducting Previous Payments					Rs 7817561 = 00
					Rs 15,68,876 = 00
Done 15/6/23 RS					

Continuation