

Schedule XLV-Form No. 134

Name of work - NH-30 Bazamchari to jingali mahader

Damachur

DIVISION

maner

SUB-DIVISION

MB.NO-1520

MEASUREMENT BOOK

Name of Agency - Sanjay Kumar

Certified that this M.B Contains
100 (One hundred) Nos of Machine
Pages & issued to Sri. Rukmuddin
Ansari.....A.E, R.W.D, works
Sub Division. Mamer

20.07.23

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बाजारपुर
मयंक
क्षेत्र

Sch. XLV-Form No. 134

Damapur DIVISION

Mamer SUB-DIVISION

Measurement Book

No. 1520

Name of officer Rukmuddin Ansari

Date of first entry _____

Date of last entry _____

1.

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 measurements relating to each work).

(These four lines should be repeated for each work of the measurements relating to each work).					
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work- Repair and 5 year maintenance of road from NH-30 Baram-chari to Tangeli Mehadi in Maner Block under New maintenance Policy 2018.					
Package no- MR-N/22-23/Danapur - 07.					
Agency- Sanjay Kumar, S/O Jawahar Lal Yadav Gura- Pawatpur, Bhojpur, Bihar- 802156.					
Agreement No- 03 MRD/2023-24					
Date of agreement- 13.06.2023					
Term of completion- 9 months					
Rate approved- 7.39% below					
Agreement value-					
	Const work- B10781584				
	5 year maint cost R 8,82109-				
				R 1,16,63693	
① SIFIA Informatory Signed 2 Nos					
② Clearing and grubbing road					
	$2 \times (61 \times 30.00^m + 1 \times 13.00^m) \times 1.00^m = 3686.00^m$				
Continuation					
	$2 \times (5 \times 30.00^m + 1 \times 7.00^m) \times 1.00^m = 314.00^m$				
	$= 4000.00^m$				
	$= 0.40 \text{ Hect}$				
 02/11/2023 SE  02.11.2023 AE					

Bill no Est & final

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Sch.XLV-Form No. 134					
Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Name of work - Repair and Sy. maintenance of road from NH-30 Barmanchari to Tangali Mahadur in Manu block under MR (3054)-New maintenance policy 2018.					
Agency - Sanjay Kumar, s/o Jawahar Lal Yadav Gram - Pawatpur, Bhojpur, Bihar - 802156.					
Package no - MR-N/22-23/Disapm of Agreement No - 03MBD/2023-24 Date of agreement - 13.06.2023					

Time of completion - 3 months
Actual date of completion of const work - 11.03.2024

① E/W in const. of Subgrade and earthen shoulder with soil obtained from borrow pits upto 1000m lead - -

$$2 \times (3 \times 30.00^m + 1 \times 6.00^m) \times 1.00^m (A_1) \times 0.400^m (A_2) = 76.80^m^2$$

$$2 \times (5 \times 30.00^m + 1 \times 23.00^m) \times 1.00^m (A_1) \times 0.400^m (A_2) = 138.40^m^2$$

$$2 \times (4 \times 30.00^m + 1 \times 21.00^m) \times 1.00^m (A_1) \times 0.400^m (A_2) = 184.80^m^2$$

$$2 \times (6 \times 30.00^m + 1 \times 20.00^m) \times 0.90^m (A_1)$$

Continuation

$$2 \times (7 \times 30.00^m + 1 \times 21.00^m) \times 0.75^m (A_1) \times 0.150^m (A_2) = 108.00^m^2$$

$$\times 0.150^m (A_2) = 51.975^m^2$$

$$= 559.975^m^2$$

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
② P/V and laying hot applied thermoplastic compound road marking -					
At Pedestrian crossing -					
At ch 5.00m	1x	2 x 5.00m	5 x 2 x 1.10m		$\times 0.100m^2$
					$= 2.10m^2$
At End -	2x	3.60m	4 x 2 x 1.00m		$\times 0.100m^2 = 1.52m^2$
In Link road -					
	1x	2 x 3.20m	4 x 2 x 1.00m		$\times 0.100m^2 = 1.44m^2$
	1x	2 x 6.40m	6 x 2 x 1.10m		$\times 0.100m^2 = 2.60m^2$
					$= 7.66m^2$
③ P/V and laying hot applied thermoplastic compound road marking on C.C Surface					
At edge -					
	2 x 20 x	30.00m			$\times 0.100m^2 = 120.00m^2$
	2 x 20 x	30.00m			$\times 0.100m^2 = 120.00m^2$
	2 x 20 x	30.00m			$\times 0.100m^2 = 120.00m^2$
	2 x (1x	30.00m	1x 13.00m)		$\times 0.100m^2 = 8.60m^2$
Link road -					
	2 x (5 x	30.00m	1 x 7.00m)		$\times 0.100m^2 = 31.40m^2$
					$= 400.00m^2$
④ S/F/F R.C.C m/s ordinary Precast K.M. stone					
4 Nos Continuation					

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
⑤ SIF/F R.C.C. Mix Arrears 200m stone - 8 Nos					
⑥ SIF/F Arrears R.C.C. boundary stone - 24 Nos					
⑦ SIF/F Maintenance board - 1 Nos					
⑧ SIF/F Road Signage -					
① 600mm equilateral triangle 12 Nos					
② 600mm dia circular board 2 Nos					
					

ABSTRACT OF COST

① Clearing and grubbing road land - 0.40 Hect vide P-① of TMB. @ Rs 58709.27/Hect Rs 23,484=					
② E/W in construction of Subgrade and earthen shoulder with soil obtained from borrow pits upto 1000mm 559.975 m ³ vide P-⑧ @ Rs 238=02/m ³ - Rs 1,33,285=					
③ P/W const. of G.S.B with grading material - 187.500 m ³ vide P-②					

Continuation

@ Rs 3335=83/m³ - Rs 6,25,468=

= Rs 7,82,237=

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
			B.F.B	7,82	237m
④ 4	P.V. laying, spreading and compacting stone aggregates -- W.B.M gr III --				
	142.031 m ³		vid P.	②	
	@ R 4938.45 / m ³				
			B	7,01,413	m
⑤ 5	P.V construction of dry lean cement concrete subbase --				
	84.38 m ³		vid P.	③	
	@ R 4141 = 91 / m ³		B	3,49,494	m
⑥ 6	const. of un-reinforced panel cement concrete pavement -- M30 --				
	946.815 m ³		vid P.	⑦	
	@ R 8191 = 93 / m ³		B	77,56,242	m
⑦ 7	S/F/F Precast R.C.C M ₂₅ ordinary K.M Stone --				
	4 Nos		vid P.	⑨	
	@ R 2778 = 20 EACH		B	11,113	m
⑧ 8	S/F/F Precast R.C.C M ₂₅ 200mm Stone --				
	8 Nos		vid P.	⑩	
	@ R 805 = 96 each		B	6,448	m

Continuation R 96,06,947m

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					R. F. B 9606, 947 ⁰⁰
⑨	S/F IF Precast R.C.C MIS				
17	Boundary Pillar stone -				
	24 Nos vid P-⑩				
	@ R 572 = 73 each R				13,746 ⁰⁰
⑩	S/F IF Retro-reflective				
10	traffic signs				
	600mm equilateral triangle -				
	12 Nos vid P-⑩				
	@ R 3936 = 24 each R 3936				R 47,235 ⁰⁰
⑪	S/F IF 600mm dia circular				
11	2 Nos vid P-⑩				
	@ R 5293 = 61 each R				10,587 ⁰⁰
⑫	Painting two coat				
12	including Primer coat -				
	88.32 m ² vid P-③				
	@ R 110 = 60/m ² - R				9,768 ⁰⁰
⑬	S/F IF Typical Sign				
14	informatory board -				
	2 Nos vid P-①				
	+ 1 Nos vid P-⑩				
	= 3 Nos				
	@ R 10118 = 89 each R				30,357 ⁰⁰
⑭	PN and laying hot applied				
15	thermo plastic compound				
	road marking at Pedestrian -				
	7.66 m ² vid P-⑨				

Continuation

@ R 777 = 04/m² - R 5952⁰⁰

R 97,24,592⁰⁰

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
			B.F.B	97,24,592	20
⑮ P.V. and laying hot					
16 applied thermoplastic compound on c.c pavement.					
400.00 m ² vide P-④					
@ R 807 = 82 / m ²			B 3	23,128	20
⑯ P.V. Blw in cm (1:3) in					
18 Parapet —					
5.76 m ³ vide P-③					
@ R 6210 = 00 / m ³			B 3	5,770	20
⑰ P.V. Plastering with					
19 cm (1:4) —					
88.32 m ² vide P-③					
@ R 176 = 03 / m ²			B 15,547	20	
			B 1,00,99,037	20	
Add 12.00% G.S.T			B 12,11,884	20	
Add 1.00% Labour cum			B 1,00,990	20	
			B 1,14,11,911	20	
Calculation for Signiorage Fee on per D.P.R. approved—					
① Informatory Sign board					
3 Nos vide P-① + P-②					
$\frac{3.00}{3.00} \times 78.37$			B 78.37		
② G.S.B grading II material					
187.50 m ³ vide P-②					
$\frac{187.50}{375.00} \times 21306.628$			10,653.31		
			B 10731.68		

Continuation

B 114,11,911 200

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					B.F B 1, 14, 11, 91120
					B.F S.F B 10, 731.68
③ W.B.M. & III -					142.031 m ³ vid P-②
	142.031				
	142.03				$\times 20015.80 = R 20,015.44$
④ Dry lean cement concrete -					
	84.38 m ³				vid P-③
① Stone chips:	84.38				$\times 0.90 \times$
	599.82				$\times 10\% = R 4398.10$
(ii) coarse sand -	84.38				$\times 0.45$
					$\times 494.00 \times 10\% = R 1875.77$
⑤ B.W in cm (1:3) -	5.76				m ³ vid P-③
	5.76				
	5.76				$\times 298.77 = R 298.77$
⑥ Plastering with cm (1:4)					
	88.32 m ²				vid P-③
	88.32				
	88.32				$\times 109.95 = R 109.95$
⑦ Panel cement concrete -					
	946.815 m ³				vid P-⑦
	946.815				
	946.88				$\times 96552.90 = R 96546.27$
⑧ E/W in subgrade and shoulder -					
	559.975 m ³				vid P-⑧
	559.975				
	559.975				$\times 35701 \times 10\% = R 1792.48$
⑨ Ordinary K.M stone -					
	4 m ³				vid P-⑨
	4.00				
	4.00				$\times 111.63 = R 111.63$

Continuation

R 1,35,880.09

✓
R 1,14,11,91120

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
		B. F B	1, 14,	11, 91120	
		B. F S. F	B 1, 35,	880.09	
⑩ 200 mm stone - 8 nos with P- ⑩					
$\frac{8.00}{8.00} \times 39.64 = B 39.64$					
⑪ Boundary pillar -					
24.00 Nos with P- ⑩					
$\frac{24.00}{24.00} \times 54.73 = B 54.73$					
⑫ 600 mm equilateral triangle					
12 Nos with P- ⑩					
$\frac{12.00}{12.00} \times 156.74 = B 156.74$					
⑬ 600 mm dia circular					
2 Nos with P- ⑩					
$\frac{2.00}{2.00} \times 26.12 = B 26.12$					
			B 1, 36, 157.32		
			Say B 1, 36, 157.00		
			B 1, 15, 48, 068.00		
less 7.39% as agreement					
Net. work has been -			B 8, 53, 402.00		
computed as available land.			B 1, 06, 94, 666.00		
11.03.2024			11-03-24		
J E Maner			AE Maner		

Continuation