

Bolapur to Sonwaliga via

Digba Tola under

MR 3054

under

Schedule XLV-Form No. 134

Agency - M/s Hira Laga Construction

Executive Engineer

RWD (W) Division

Gopalgarh-2

DIVISION

Block - Baikunthpur

SUB-DIVISION

MEASUREMENT BOOK

1101

प्रमाणित किया जाता है कि इस मापिपुस्तक
पैजी में मशीन द्वारा टंकित कुल 100 (एक सौ)
पन्ने हैं जिनमें श्री रामायण महाराज,
सहायक अभियंता, कृष्णपुर.....
सहायक अभियंता के नाम से निर्गत किया
जाता है।

06/09/21
Executive Engineer
RWD (W) Division
Gopalganj-2
06/09/21

Sch. XLV-Form No. 134

Executive Engineer _____ DIVISION
RWD (W) Division
Gopalganj-2

SUB-DIVISION

Block - Bailemthpur

Measurement Book

No. 1101

Name of officer _____

Date of first entry _____

Date of last entry _____

1st & Final Bill.

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).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work - Maint ⁿ					
& Repair of Rd. from					
Balapur to Sonwalia					
Via Digha Jola under					
New maint ⁿ Policy 2018.					
Agency - M/s Himalaya.					
const ⁿ .					
Agreement No. - 04/MBD/					
3054-MR/2023-24					
Date of commencement -					
20-07-2023.					

① Providing & fixing of					
typical NHGSY informatory					
sign board with logo					
Logo of maint ⁿ Project -					2 NOS.
② Clearing & Grubbing rd.					
land including uprooting					
wild vegetation					
2x10x15.00x1.00	-				300.00m ²
2x15x15.00x1.00	-				450.00m ²
2x8x15.00x1.00	-				240.00m ²
2x2.00x1.00	-				4.00m ²
2x7x15.00x1.00	-				210.00m ²
2x9x15.00x1.00	-				270.00m ²
2x15x15.00x1.00	-				450.00m ²

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure			Contents of area
	No.	L.	B.	D.
2 x 1.8 x 15.00 x 1.00 -				
				390.00 m ²
2 x 1.8 x 8.00 x 1.00 -				
				36.00 m ²
				2350.00 m ²
				1.e. 0.24 hect.

(3) Scarifying the existing.

bituminous ord. surface.

6 x 1.25 x 1.45 -				10.875 m ²
10 x 0.75 x 1.50 -				11.25 m ²
3 x 1.15 x 1.00 -				3.45 m ²
8 x 2.20 x 1.10 -				19.36 m ²
				44.985 m ²

(4) Constⁿ of Granular Sub-base by providing well

graded material with.

Grading II

7 x 3.350 x 1.10 x 0.140 -				2.58 m ³
4 x 3.70 x 1.40 x 0.080 -				1.66 m ³
5 x 6.00 x 1.20 x 0.090 -				3.24 m ³
				7.478 m ³
				7.48 m ³

(5) Providing, laying,

spreading & compacting

stone agg. of sp. sizes of

WBM Grading I.

7 x 3.50 x 1.25 x 0.075 -				2.30 m ³
4 x 3.85 x 1.50 x 0.075 -				1.73 m ³
5 x 6.50 x 1.25 x 0.075 -				3.05 m ³
6 x 5.45 x 1.00 x 0.075 -				2.57 m ³

Continuation

Particulars	Details of actual measure			Contents of area
	No.	L.	B.	D.
8 x 5.80 x 1.00 x 0.075 -				
				3.48 m ³
				1 3.13 m ³
(6) Providing, laying, spreading & compacting stone agg. of sp. sizes of 20M Grading 3.				
7 x 3.70 x 1.30 x 0.075 -				2.525 m ³
4 x 3.75 x 1.65 x 0.075 -				1.0955 m ³
5 x 6.85 x 1.35 x 0.075 -				3.468 m ³
6 x 5.70 x 1.25 x 0.075 -				3.206 m ³
8 x 6.00 x 1.10 x 0.075 -				3.96 m ³
				15.114 m ³
			lt.	14.25 m ³

(7) Const^g of Dry lean cement-concrete sub-base -				
5 x 1.15 x 0.90 x 0.100 -				0.518 m ³
7 x 0.95 x 0.75 x 0.100 -				0.499 m ³
10 x 1.05 x 1.00 x 0.100 -				1.05 m ³
6 x 0.90 x 0.80 x 0.100 -				0.432 m ³
15 x 1.50 x 1.15 x 0.100 -				2.588 m ³
10 x 1.10 x 0.95 x 0.100 -				1.045 m ³
6 x 1.45 x 1.10 x 0.100 -				0.957 m ³
12 x 1.00 x 0.90 x 0.100 -				1.08 m ³
10 x 2.15 x 1.05 x 0.100 -				2.258 m ³
6 x 4.05 x 0.75 x 0.100 -				1.823 m ³
7 x 6.50 x 1.10 x 0.100 -				5.005 m ³
				17.255 m ³
Continuation				

Sch.XLV-Form No. 134

Particulars	Details of actual measure			Contents of area
	No.	L.	B.	
(8) Const. of un-reinforced plain cement concrete as per design.				
12.00 x 8.20 + 6.50 + 3.25			x 0.160	11.808 m ²
3				
6 x 15.00 x 3.75 x 0.160				54.00 m ²
10.00 x 3.75 + 4.10 + 3.25			x 0.160	6.187 m ²
3				
5.00 x 3.75 x 0.160				3.00 m ²
10 x 15.00 x 3.75 x 0.160				90.00 m ²
10.00 x 3.75 x 0.160				6.00 m ²
5.00 x 3.75 + 4.10 + 3.25			x 0.160	3.133 m ²
3				
14 x 15.00 x 3.75 x 0.160				126.00 m ²
5.00 x 3.75 x 0.160				3.00 m ²
9 x 15.00 x 3.75 x 0.160				81.00 m ²
10 x 15.00 x 3.75 x 0.160				90.00 m ²
9 x 15.00 x 3.75 x 0.160				81.00 m ²
10.00 x 3.75 x 0.160				6.08 m ²
8.00 x 3.75 + 4.05 + 3.25			x 0.160	5.461 m ²
3				566.589 m ²
			4	56
1.00 m ²				
(9) Providing & applying primer coat with bitumen emulsion (SS-I)				
Same as item (6) ÷ 0.025				190.00 m ²
(10) Providing & applying tack coat with bitumen.				

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure			Contents of area
	No.	L.	B.	D.
emulsion (RS-1) over granular surface.				
same as item (9)				190.00 m ²
(11) Providing, laying & rolling of close-graded premix surfacing material 20 mm —				
same as item 10				190.00 m ²
(12) P/A tack coat with bitumen emulsion (RS-1) over bituminous surface				
10 x 15.00 x 3.75 —				562.50 m ³
6 x 15.00 x 3.75 —				337.50 m ³
				900.00 m ³
(13) P/A Semi Dense bituminous concrete with 100-120 TPH.				
10 x 15.00 x 3.75 x 0.025 —				14.062 m ³
6 x 15.00 x 3.75 x 0.025 —				8.438 m ³
				22.50 m ³
(14) Const ⁿ of subgrade & earthen shoulders with approved material obtained from borrow pits.				
for C.C. Road.				

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure			Contents of area
	No.	L.	B.	
2 x 32 x 15.00 x 0.65 (av) x 0.300 -				187.20 m ³
2 x 17.00 x 0.65 (av) x 0.300 -				6.63 m ³
2 x 29 x 15.00 x 0.65 (av) x 0.300 -				169.65 m ³
2 x 3.00 x 0.65 (av) x 0.300 -				1.17 m ³
for B.T. Road.				
6 x 15.00 x 1.00 (av) x 0.300 -				27.00 m ³
10 x 15.00 x 1.00 (av) x 0.300 -				45.00 m ³
				436.65 m ³
for Culvert Haint n:				
(15) Brick masonry work in cement mortar 1:3 in pargol				
2 x 6.00 x 0.400 x 0.600 -				2.88 m ³
(16) Plastering with cement mortar (1:4)				
Side Face - 4 x 6.00 x 0.600 -				14.40 m ²
Top - 2 x 6.00 x 0.400 -				4.80 m ²
Front face - 4 x 0.400 x 0.600 -				0.96 m ²
				20.160 m ²
(17) Painting two coats including primer coat after filling the surface same as item (16) -				20.160 m ²
(18) Providing & Laying of hot applied thermoplastic compound 2.5 mm thick				
(i) for C.C. Rd.				
2 x 15 x 15.00 x 0.100 -				45.00 m ²

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure			Contents of area
	No.	L.	B.	D.
2x17	x 15.00	x 0.100	-	51.00 m ²
2x17.00	x 0.100	-	-	3.40 m ²
2x10	x 15.00	x 0.100	-	30.00 m ²
2x8	x 15.00	x 0.100	-	24.00 m ²
2x11	x 15.00	x 0.100	-	33.00 m ²
2x3.00	x 0.100	-	-	0.60 m ²
				187.00 m ²
(ii) for BT Rd.				
2x5	x 15.00	x 0.100	-	15.00 m ²
2x6	x 15.00	x 0.100	-	18.00 m ²
2x5	x 15.00	x 0.100	-	15.00 m ²
				48.00 m ²
(19) Reinforced cement-				
concrete M15 grade				
boundary pillars -				16 Nos.
(20) Reinforced cement				
concrete M15 grade				
Kilometer local stone				
(i) Km stone	-			3 Nos.
(ii) 200 m stone	-			4 Nos.
(21) Retro-reflectorised				
traffic signs - providing				
directing dir. & place -				
2x1.20	x 0.80	-	-	1.92 m ²
(22) Planting of trees and				
by the road side.				
(Avenue tree) -				12 Nos.

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure			Contents of area
	No.	L.	B.	D.
(23) P/C of retro-reflect-				
orised cautionary,				
mandatory & informat-				
ory sign.				
(i) 600mm equilateral - 4 Nos.				
(ii) 600mm Circular - 4 Nos.				
(iii) 600mm x 400mm $\square$ - 2 Nos.				
(iv) 900mm octagon - 2 Nos.				
Do. 9'				
2110/23				
J.E.				
Abstract of Cost.				

(1) Providing & fixing 8				
typical MMSY informative				
sign board with logo.				
2 Nos. 8y wide TMSPP item (1)				
@ Rs. 15,650.84/No - Rs. 31302.00				
(2) Clearing & grubbing rd.				
Canal including uprooting				
wild vegetation -				
0.25 $\frac{1}{4}$ 0.24 hect. 8y wide TMSPP (1-2)				
item (2) @ Rs. 72639.95/hect. 17070.20				
(3) Scarifying the existing.				
continuous rd. surface				
44.935 m ² 8y wide TMSPP (1)				
item (3) @ Rs. 20.33/m ² - Rs. 914.50				

Continuation

49286.00

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Particulars	Details of actual measure			Contents of area
	No.	L.	B.	
(7) Const ^l of Granular Sub-base by providing well graded material with Graveling II.				
It. 48 7.478 m ³ Qty vide TMSP (2)				24702.2
item (7) @ Rs. 3302.44/m ³				24,696.00
(5) P/L/S & compacting stone agg. @ sp. mize of wbm Graveling 2				
13.13 m ³ Qty vide TMSP (3)				
item (5) @ Rs. 6837.87/m ³				89781.20
(6) P/L/S & compacting of stone agg. @ sp. mize of wbm Graveling 3				
14.25 15.114 m ³ Qty vide TMSP (3)				91439.2
item (6) @ Rs. 6416.77/m ³				96,983.00
(7) Const ^l of Dry lean Cement Concrete sub-base - 17.25 m ³ Qty vide TMSP (3)				
item (7) @ Rs. 2471.90/m ³				42,653.00
(8) Const ^l of un-reinforced plain cement thickness as per design - 561.00 m ² Qty vide TMSP (4)				
item (8) @ Rs. 10103.45/m ²				56,68,935.00
(9) P/A prime coat with bitumen emulsion (SS-1) -				

Continuation

5965896.00

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Particulars	Details of actual measure			Contents of area
	No.	L.	B.	D.
190.00 m ² Qty vide THRP (4)				
item (9) @ Rs. 60.04/m ² - Rs. 11,408.00				
(10) P/A tack coat with bitumen emulsion (A.S. 1)				
1090.00 m ² Qty vide THRP (4-5)				
item 10 & 12 @ Rs. 20.56/m ² - Rs. 22,410.00				
(11) Providing, laying & rolling of close graded premix-surfacing material 20mm.				
190.00 m ² Qty vide THRP (8)				
item (11) @ Rs. 309.41/m ² - Rs. 58,788.00				
(12) P/A Semi Dense bitumen				
new concrete with 100-120				
22.50 m ³ Qty vide THRP (5)				
item (13) @ Rs. 15045.04/m ³ - Rs. 3,38,513.00				
(13) Constn of Subgrade & earthen shoulders with approved material obtained from borrow pits				
436.65 m ³ Qty vide THRP (6)				
item (14) @ Rs. 258.91/m ³ - Rs. 1,13,053.00				
(14) Brick masonry work in cement mortar 1:3 in parapet.				
2.88 m ³ Qty vide THRP (10) item				
(15) @ Rs. 7404.88/m ³ - Rs. 2,13,265.00				

Continuation

6531394.50

Particulars	Details of actual measure			Contents of area
	No.	L.	B.	D.
(15) Plastering with cement-mortar (1:4)				
20.160 m ² Qty vide THBP (B)				
item (16) @ Rs. 2450.10/m ² - Rs. 4941.20				
(16) Paritling two coats including primer coat				
20.160 m ² Qty vide THBP (B)				2687.20
item (17) @ Rs. 133.29/m ² - Rs. 2677.20				
(17) Providing & laying of hot applied stone plaster				
Compound 2.5 m thick				
(i) for c.c. Rd.				
187.00 m ² Qty vide THBP (C-1)				
item 18 (i) @ Rs. 990.52/m ² - Rs. 18522.20				
(ii) 48.00 m ² Qty vide THBP (D)				
item 18 (ii) @ Rs. 885.67/m ² - Rs. 42512.20				
(18) Reinforced cement concrete M15 grade bound-ary pillars				
16 Nos. Qty vide THBP (D)				
item (19) @ Rs. 836.19/m ² - Rs. 13379.20				
(19) Reinforced cement concrete M15 grade k.m.				
(i) Ken Stone				
3 Nos. Qty vide THBP (D) item				
20 (i) @ Rs. 3353.07/m ² - Rs. 10060.20				
(ii) 200 m Stone				

Continuation

67902.00

Particulars	Details of actual measure			Contents of area
	No.	L.	B.	D.
4 Nos. Qty vide TMBP (7)				
item 20(ii) @ Rs. 906.00/No.				3624.00
(20) Retro - reflector signs.				
1.92 m ² Qty vide TMBP (7)				
item (21) @ Rs. 19,294.02/No.				37045.00
(21) Planting of trees by the roadside.				
12 Nos Qty vide TMBP (7)				
item (22) @ Rs. 1224.44/No.				14693.20
(22) P/F of retro-reflectors used cautionary, mandatory & informative sign.				

(i) 600 mm Equilateral				
4 Nos. Qty vide TMBP (8) item.				
23(i) @ Rs. 5299.55/No.				21,198.00
(ii) 600 mm Circular.				
2 Nos. Qty vide TMBP (8).				
item 23(ii) @ Rs. 5621.33/No.				22485.00
(iii) 800 mm x 400 mm Isosceles angular.				
2 Nos. Qty vide TMBP (8)				
item 23(iii) @ Rs. 5426.82/No.				10854.00
(iv) 900 mm Isosceles Octagonal (stop board)				
2 Nos. Qty vide TMBP.				
(8) Item 23 (iv)				

Continuation 690009954

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