

Const. of Road from To3 Bhanpura to

Schedule XLV-Form No. 134

Beldaxiya (New MR-2018)

Start Date: — 18.4.23

End Date: — 17.01.24

DIVISION

Const Cost: —

~~1,01,74,262~~

1,01,74,262=

Maint Cost: —

~~15,52,556~~

15,52,556=

SUB-DIVISION

~~1,17,26,818~~

1,17,26,818=

Contractor: — Sunny Buildcon Pvt. Ltd.

MEASUREMENT BOOK

786

प्रमाणित किया जाता है कि इस
मापी पुस्त सं. में कुल 100
पन्ने हैं, जो New MR-2018 योजना
नर्तक To3 Bhanpura to Belkang
पर निर्माण कार्य हेतु श्री मनोज
कुमार, सहायक अभियंता, कार्य अवर
प्रमंडल हलसी के नाम निर्गत
किया जाता है।


Executive Engineer
Rural Work, Department
Work, Div, Lakhisarai

18/8/23

Sch. XLV—Form No. 134

E.E. RWD (W) _____ DIVISION
Halbi _____ SUB-DIVISION

Measurement Book
No. 786


Executive Engineer
Rural Work, Department
Work, Div, Lakhisarai
Name of Officer _____
Date of first entry 18/8/23
Date of last entry _____

1st on A/c Bill

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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—	703 Bhampura to				
	Beldariya				
Agency—	Sunny BuildCon Pvt. Ltd.				
Agreement No—	04/MBD/2023-24				
Date of start—	18-04-2023				
Date of Completion—	17-01-2024				
Date of measurement—	10-07-2023				
	Record measurement				
① Clearing and grubbing soil					
land etc. all Comp.					

RCC Slab Culvert

① E/W in excavation for structure

etc. all Comp.

Abutment

$$2 \times 9.10 \times 2.30 \times 1.60 = 66.976 \text{ m}^3$$

Return wall

$$4 \times 1.60 \times 2.097 \times 1.60 = 21.473 \text{ m}^3$$

Floor under Deck Slab

$$1 \times 7.70 \times 0.40 \times 0.25 = 0.770 \text{ m}^3$$

10% extra for slope

$$= 8.922 \text{ m}^3$$

$$98.14 \text{ m}^3$$

② Sand filling in foundation

trenched etc. all Comp.

Floor under Deck Slab

$$1 \times 7.70 \times 1.629 \times 0.100 = 1.25 \text{ m}^3$$

③ providing PCC mix Concrete for

plain Concrete etc. all Comp.

Abutment

$$2 \times 9.10 \times 2.30 \times 0.200 = 8.372 \text{ m}^3$$

Return wall

$$4 \times 1.60 \times 2.097 \times 0.200 = 2.684 \text{ m}^3$$

Floor under Deck Slab

$$1 \times 7.70 \times 1.756 \times 0.150 = 2.005 \text{ m}^3$$

$$13.06 \text{ m}^3$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>material statement</u>					
E/w	775.30	m ³	✓		
<u>GSB Gr-5</u>					
Stone metal	50.19	m ³			
Course sand	21.99	m ³	✓		
<u>WBM Gr-2</u>					
Stone metal	49.38	m ³			
Screening material	8.41	m ³			
<u>WBM Gr-3</u>					
Stone metal	301.36	m ³			
Screening material	59.77	m ³			
Emulsion(SS-1)	0.500	MT			
Emulsion(RS-1)	1.04	MT			

Bitumen Sgo - 10.63 MT

SDBC - 112.13 m³

PCC - 786.94 m³

Mining Chalan of Stone materials
Verified & found correct.

12/11/23
JE

Abstract of Cost 1st on A/c Bill

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ich. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1/1 Clearing and grubbing road					
land etc. all Comp.					
Qty vide TMBP. —				5/25	
0.656 Hect @ Rs. 620			32.43/m ³		
				Rs. 40	693=00
2/2 Scarifying the existing					
bituminous road surface etc. all Comp.					
Qty vide TMBP. —				6/26	
= 393.75 m ² @ Rs. 20.22/m ²					Rs. 7962=00
3/3 Construction of embankment					
with approved etc. all Comp.					
Qty vide TMBP. —				6/27	

36 m ³ @ Rs. 250.34/m ³				Rs. 9012=00	
4/4 Construction of subgrade					
and earthen shoulder etc. all Comp.					
Qty vide TMBP. —				6/28	
739.30 m ³ @ Rs. 253.71/m ³					Rs. 187568=00
5/5 Construction of GSB Gr-1					
etc. all Comp.					
Qty vide TMBP. —				7/29	
56.39 m ³ @ Rs. 1651.12/m ³					Rs. 93107=00
6/6 p/l. spreading and compacting					
W8m Gr-2 etc. all Comp.					
Qty vide TMBP. —				9/30	
= 40.81 m ³ @ Rs. 3549.93/m ³					Rs. 144669=00
7/7 p/l. spreading and compacting					

Continuation

C10 Rs. 483011=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
WBM Gr-3 etc. all Comp.					
Qty vide TMBP. — 11/31					
249.06 m ³ @ R. 3113.57/m ³ — R. 775466=00					
8/8 p/A primer Coat with bitumen					
emulsion (SS-1) etc. all Comp.					
Qty vide TMBP. — 11/32					
643.20 m ² @ R. 62.85/m ² — R. 40425=00					
9/9 patch work over WBM using					
mss etc. all Comp.					
Qty vide TMBP. — 11/33					
= 643.20 m ² @ R. 274.14/m ² — R. 176327=00					
10/10 p/A tack Coat with bitumen					
emulsion etc. all Comp.					
Qty vide TMBP. — 12/34					
3779.70 m ² @ R. 21.44/m ² — R. 81037=00					
11/11 p/L Semi dense bituminous					
Concrete etc. all Comp.					
Qty vide TMBP. — 12/35					
78.4125 m ³ @ R. 14173.14/m ³ — R. 1111351=00					
12/12 Construction of dry lean					
Cement Concrete etc. all Comp.					
Qty vide TMBP. — 12/36					
3.38 m ³ @ R. 6618.66/m ³ — R. 223712=00					
13/13 Construction of un-reinforced					
Cement Concrete etc. all Comp.					
Qty vide TMBP. — 13/37					
501.84 m ³ @ R. 8093.73/m ³ — R. 4061757=00					

Continuation

C/O R. 6751745=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
14/15 Rec mis grade km Stone					
Qty vide TMBP. —				13/38	
3 Nos. @ Rs. 2778.64/No. —				R. 8336-200	
15/16 Rec mis grade 200mm Stone					
Qty vide TMBP. —				13/39	
6 Nos. @ Rs. 808.21/No. —				R. 4849-200	
16/17 Direction and place identifi-					
cation Signs etc. all Comp.					
Qty vide TMBP. —				13/40	
1.92m ² @ Rs. 14864.82/m ² —				R. 28540-200	
17/18 p/f retroreflected					
600mm equi lateral triangle					
Qty vide TMBP. —				13/41	
9 Nos. @ Rs. 4375.82/No. —				R. 39382-200	
18/19 600mm Circular					
Qty vide TMBP. —				13/42	
5 Nos. @ Rs. 4274.15/No. —				R. 21371-200	
19/20 600mm x 450mm rectangular					
Qty vide TMBP. —				13/43	
2 Nos. @ Rs. 4130.42/No. —				R. 8261-200	
20/21 900mm octagon stop board					
Qty vide TMBP. —				13/44	
1 No. @ Rs. 8575.15/No. —				R. 8575-200	
21/22 Rec mis grade boundary					
pillars etc. all Comp.					
Qty vide TMBP. —				13/45	
72 Nos. @ Rs. 761.94/No. —				R. 54860-200	
22/24 planting of trees and their					

Continuation

C/o A. 6925919-200

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
maintenance etc. all Comp.					
Qty vide TMBP.				14/46	
13 Nos. @ R. 1120.17/No. — R. 14562=00					
23/25 Road marking with hot					
applied thermoplastic etc. all Comp.					
Qty vide TMBP.				14/47	
164m ² @ R. 823.80/m ² — R. 135103=00					
24/26 p/l of hot applied therm.					
plastic etc. all Comp.					
Qty vide TMBP.				14/48	
164m ² @ R. 926.40/m ² — R. 151930=00					
25/27 p/l of typical infor-					
matory sign etc. all Comp.					
Qty vide TMBP.				14/49	
3 Nos. @ R. 10919.75/No. — R. 32759=00					
26/28 E/w in excavation for					
structure etc. all Comp.					
Qty vide TMBP.				$\frac{①}{①} + \frac{②}{①②} + \frac{④}{①③}$	
= 240.44m ³ @ R. 326.71/m ³ — R. 78554=00					
27/29 providing pcc mis as					
levelling course etc. all Comp.					
Qty vide TMBP.				$\frac{①}{③} + \frac{②}{④} + \frac{④}{①⑤} + \frac{⑤}{②⑥}$	
= 83.66m ³ @ R. 6618.66/m ³ — R. 553717=00					
28/30 p/l RCC pipe NP-3 etc.					
all Comp.					
Qty vide TMBP.				$\frac{④}{①②}$	
= 7.50m @ R. 6694.77/m — R. 50211=00					
29/31 plastering with Cement					

Continuation

C/o R. 7942755=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
mortar etc. all Comp.					
Qty vide TMBP. —	⑤			②	
= 120.96 m ² @ R. 184.65/m ² —					R. 22335 200
<u>30</u> 32 Brick masonry work in					
Cement mortar etc. all Comp.					
Qty vide TMBP. —	5			23	
10.38 m ³ @ R. 5886.85/m ³ —					R. 61105 200
<u>31</u> 33 painting two coats including					
primer coat etc. all Comp.					
Qty vide TMBP. —	③			④ + ④	
= 39.82 m ² @ R. 116.86/m ² —					R. 4653 200
<u>32</u> 34 Sand filling in foundation					
trenches etc. all Comp.					

Qty vide TMBP. —	①			②	
= 1.25 m ³ @ R. 539.02/m ³ —					R. 674 200
<u>33</u> 35 plain/RCC M20 in Substructure					
etc. all Comp.					
Qty vide TMBP. —	②			② + ② + ③ + ④ + ⑤	
= 192.95 m ³ @ R. 7641.62/m ³ —					R. 1474451 200
<u>34</u> 36 providing bitumen painting					
over top surface etc. all Comp.					
Qty vide TMBP. —	②			⑦	
= 14.10 m ² @ R. 21.44/m ² —					R. 302 200
<u>35</u> 37 P/L RCC in Superstructure					
etc. all Comp.					
Qty vide TMBP. —	②			⑧	

Continuation

C/O R. 9506275 200

Continuation