

Mafaki Bhudharung to Gabiya Talq

Schedule XLV-Form No. 134 (5c)

Baeyha-2 **DIVISION**

Bhitha **SUB-DIVISION**

MEASUREMENT BOOK

1st on A/C 024

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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: Malahi Bhotharwa to

Galiya tols

Agency: Virendra Singh, At + PO

Malhubani, East Champaran

Agreement NO: 16 SBD of 2022

Agreement Amount: Rs. 675304/-

Date of start: 28/05/2022

Date of Completion: 28/02/2024

Reent Measure

1 Construction of Working Sm = 0.730 km

2 Clearing and grubbing material = 5.30

2x24x30.00x1.50 = 2160.00 m³

2x1x10.00x1.50 = 30.00 m³

Total = 2190.00 m³

Say: 0.22 Hect.

3 Construction of Reference

Pillar = 0.730 km

4 Construction of Embankment

24x30.00x($\frac{6+8}{2} - \frac{4+5.5}{2}$)x0.45 = 729.00 m³

1x10.00x($\frac{6+8}{2} - \frac{4+5.5}{2}$)x0.45 = 9.90

Total = 738.90 m³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Construction of embankment					
Lead up to 1000 m (30% of total)					221.67 m ³
Construction of embankment					
Lead up to 100 m (30% of total)					517.23 m ³
Box culvert (1 x 1 m x 1 m)					
Earth work in excavation					
R/tt	1 x	1.50	5.40	0.57	4.12 m ³
C/w (below R/tt)	2 x	1.50	0.50	1.80	2.70 "
R/w	4 x	2.00	0.50	1.80	7.20 "
Site clearance		- (1) -			1.78 m ³
				Total =	15.82 m ³

1	Small filling in trench				
R/tt	1 x	5.40	1.50	0.15	1.21 m ³
C/w	2 x	1.50	0.50	0.12	0.18 m ³
				Total =	1.39 m ³

2 Providing PCC M 1:5

R/tt	1 x	5.40	1.50	0.12	0.97 m ³
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3 Supplying, Fitting and Laying

Hydro bar 10 mm ϕ bar in

Cutoff wall up to bed level

2 x 2 x	8 x 1.50	= 48.00 m
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Return wall main bar

4 x 2 x 9 x	2.70	= 194.40
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Distribution bar up to bed level

on C/w & R/w

2 x 2 x	6 x 5.50	= 132 m
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Continuation

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Particulars	Details of measurement				Contents of area
	No.	L.	B.	D.	
Distribution Lal in R/w above bed level					
	4X	2X	6X	2.25	= 108 m
Chair bar					
	2X	4X	1.20		= 9.6 m
Over lap bar = 12.5X0.40					= 5 m
Main bar in R/W & slabs					
	4X	38X	1.50		= 228 m
Main bar in Abutment (inner side)					
	2X	38X	1.50		= 114 m
Main bar in Abutment (outer side)					
	2X	38X	2.20		= 167.20 m
Distribution Lal					
	8X	8X	6.00		= 288 m
Angle bar in R/W & slabs					
	4X	38X	0.80		= 121.60 m
Anchor bar					
	4X	38X	0.85		= 129.20 m
5 providing RCC Mrs in					
R/W	6.00X	1.50X	0.21		= 1.89 m
C/W	2X	1.00X	0.30X	1.14	= 1.03 m
R/W above level	4X	2.00X	0.30X	1.25	= 3.24 m
					Total = 6.16 m

Nepal

09/10/2020 Continuation

JE

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Sch. XLV Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
<u>Revised measurement</u>					
1 Providing RCC m25 m					
Abutment	2X	6.00X	0.25X	1.00	= 2.00 m ²
R/W	4X	2.00X	0.20X	1.20	= 2.90 "
Warden	4X	1/2 X 6.00	0.15X	0.15	= 0.20
			Total =		6.17 m ²
2 Supplying, fitting and placing 10mm ϕ HYSD bar m					
Parapet	2X	2X	8X	1.00	= 32.00 m
Distribution bars parapet	2X	2X	4X	1.50	= 24.00 m
Total length of 10mm ϕ HYSD bar =					1750 m
Weight @ 0.617 kg/m =					1075.75 kg
Say =					1.08 MT
<u>Accepted by</u> 10/10/2020 SR					
<u>Revised measurement</u>					
1 Providing RCC m25 m					
Deck slab	1X	6.00X	1.50X	0.21	= 1.89 m ²
Parapet	2X	1.50X	0.25X	0.60	= 0.45 "
			Total =		2.34 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 Provide weep hole - 10 nos					
2 Break falling behind					
Abundant					
2 x 5.40 x 0.60 x 1.12					7.26 m ³
Repaired by					
15/10/2020					
JE					
Revised measurement					
1 Construction of earthen shoulder and subgrade					
14 x 20.00 x 7.48 x 0.32					1005.31 m ³
2 Construction of Gravel sub-grade					
14 x 30.00 x 4.050 x 0.20					340.20 m ³
3 Prov. & fixing mm gsy sign board - 2 nos.					
Repaired by					
03/11/2020					
JE					
Material Statement					
1 Earth work = 1734.21 m ³					(1.71/m ³)
2 Stone Metal = 204.12 m ³					(516.44/m ³)
3 Stone Metal = 81.65 m ³					(411.33/m ³)
4 Crushed sand = 188.40 m ³					(188.41/m ³)
5 Gravel & sand = 8.66 m ³					(408.83/m ³)
6 Stone chips = 13.89 m ³					(550.85/m ³)
7 Course sand = 8.41 m ³					(614.12/m ³)
8 Cement = 6.16 t					(5002.41/t)
Continuation					
Repaired by					
02/11/2020					
JE					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 Const. of average B.M. side					
T.M.D. 1 = 0.73 km @ Rs.					
11796.89 / km				Rs.	8612 = ∞
2 Const. of reference pillar					
vide T.M.D. pg. 1 = 0.73 km					
@ Rs. 15195.36 / km				Rs.	9633 = ∞
3 Cleaning and grubbing side					
T.M.D. pg. 1 = 0.22 Hrs @					
Rs. 51133.76 / Hr.				Rs.	11249 = ∞
4 Const. of embankment					
road up to 10000 m wide T.M.D.					
pg. 2 = 22.22 m @ Rs.					
202 = 52 / m ³				Rs.	44893 = ∞
5 Const. of subgrade features					
Shoulder side T.M.D. pg. 5					
= 1005.31 m ² @ Rs. 204 = 16 / m ²				Rs.	205244 = ∞
6 Const. of embankment					
road up to 100m wide T.M.D.					
page 2 = 517.23 m ² @					
Rs. 167 = 41 / m ²				Rs.	86589 = ∞
7 Const. of G.S.D. side T.M.D.					
pg. 5 = 340.20 m ² @ Rs.					
3768 = 98 / m ²				Rs.	128220 = ∞
8 providing and fixing M.M. 6/7					
band side T.M.D. pg. 52					
2 nos. @ Rs. 11746 = 57 / Ecu				Rs.	23493 = ∞
				T.M.D. Rs.	1671920 = ∞

Continuation

C/K

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7/31 Kanchi work vide TMA pg					
no 2 = 15.82 m ² @ Rs. 269 = 4261 =					
per m ²					
10/32 Sand filling vide TMA pg					
no 2 = 1.39 m ² @ Rs. 400 = 557 =					
per m ²					
11/34 poor. RCC m/s vide TMA pg					
no. 2 = 0.97 m ² restricted					
to 0.90 m ² @ Rs. 6929 = 27/m ² Rs. 6236 =					
12/29 poor. RCC m/s vide					
pg no. 3 = 6.16 m ² vide pg					
no. 4 = 6.17 m ² vide pg					
no 4 = 2.34 m ² total					
= 14.67 m ² restricted to 14.64 m ²					
@ Rs. 8531 = 12/m ² Rs. 124896 =					
13/40 Back filling vide TMA pg					
no 5 = 7.26 m ² restricted to 20					
m ² @ Rs. 3602 = 62/m ² Rs. 25939 =					
14/41 poor. weep hole vide TMA					
pg no 5 = 10 m ² @ Rs 80 = 831 =					
per m ²					
15/43 Supply of ATG Hyd bon					
vide TMA pg no. 4 = 1.08 m ²					
@ Rs. 4638322/MT Rs. 50094 =					
Total Rs. 1884734 =					
Act					

c/e

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/C R ₂	1884734.00
Add 12% GST - R ₂					226168.00
Add 1% Cess R ₂					18847.00
Add Seigniorage fee R ₂					22017.00
				Total R ₂	2151766.00
less 0.37% as per grant R ₂					7962.00
Payable Amount R ₂					2143804.00
Accepted by 03/11/20 [Signature]				[Signature]	[Signature]