

UP Seema to Bhaishiya

MM651-WB

Schedule XI-V-Form No. 134

Piprasi

Baghua - 2

DIVISION

Bhuteha

SUB-DIVISION

Agreement: 02 MBD of 20-21

MEASUREMENT BOOK

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: Construction of road					
UP Seema to Bhaishiya					
Agency: M/s MAA Bindyavasini Const.					
Thakurata, West Champaran					
Agreement No. - 02 SBD of 20-21					
Agreement Amount:					
Date of Start: 19/07/2020					
Date of completion: 18/07/2021					

~~Record measurement~~

1. Cleaning and grubbing road bed

$$2 \times 109 \times 30 \text{ m} \times 1.50 = 9810 \text{ m}^2$$

$$2 \times 1 \times 20 \text{ m} \times 1.50 = 60 \text{ m}^2$$

$$\text{Total Rs. } 9870 \text{ m}^2$$

$$\text{Say } 0.99 \text{ m}$$

2. Construction of working B.M. = 3.290 km

3. Construction of embankment...

CH	Area (sq m)	mean Area (m ²)	Volume m ³
0	1.007	-	-
50	3.036	2.387	119.325
100	2.440	3.588	179.400
150	1.262	2.351	117.530
200	3.664	2.463	123.150
250	0.553	2.109	105.425

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Content of area
	No.	L.	B.	D.	
<u>CH</u>	<u>Area</u> <u>m m²</u>		<u>Mean Area</u> <u>in m²</u>		<u>Volume</u>
300	0.595		0.574		28.700
350	0.465		0.530		26.500
400	0.387		0.426		21.300
450	0.336		0.362		18.075
500	0.473		0.405		20.225
550	0.487		0.480		24.000
600	1.358		0.922		46.075
650	3.281		2.319		115.925
700	3.646		3.664		173.175
750	3.589		3.615		180.750
800	3.005		3.295		164.725

850	3.475		3.240		162.080
900	1.358		2.417		120.825
950	4.232		2.795		139.750
1000	3.529		3.881		194.025
1050	4.004		3.767		188.325
1100	3.896		3.950		197.500
1150	4.061		4.179		208.925
1200	1.616		3.039		151.925
1250	3.444		2.580		126.520
1300	3.843		3.664		182.175
1350	4.262		4.053		202.650
1400	2.109		3.686		184.500
1450	1.646		2.378		118.825
1500	3.676		2.691		132.050

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	Nc.	L.	B.	D.	
1550	3.673		3.673		183.725
1600	3.668		3.667		182.525
1650	3.286		3.477		173.850
1700	1.441		2.364		118.175
1750	3.362		2.402		120.075
1800	1.765		2.534		128.175
1850	3.334		2.650		132.475
1900	1.201		2.418		120.875
1950	1.081		1.181		59.550
2000	0.986		1.039		57.675
2050	1.058		1.021		57.025
2100	1.095		1.050		52.520

2150	1.079		1.062		53.140
2200	1.077		1.078		53.960
2250	0.991		1.024		51.760
2300	1.005		0.988		49.960
2350	1.077		1.091		54.510
2400	1.018		1.086		54.840
2450	1.284		1.150		52.415
2500	0.939		1.112		53.575
2550	0.834		0.887		44.325
2600	1.004		0.719		45.920
2650	1.032		1.018		50.960
2700	0.957		0.991		49.725
2750	0.147		0.587		29.350
2800	0.252		0.225		11.725

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2850	0.240		0.246		12.300
2900	0.290		0.265		13.250
2950	0.450		0.373		18.650
3000	0.542		0.499		24.950
3050	0.511		0.527		26.325
3090	0.500		0.506		20.220
Line survey			Total		5929.420
0	2.520		1.260		
50	1.925		2.223		111.125
100	3.411		2.568		128.400
150	2.380		2.296		139.720
200	2.079		2.230		111.420

690.775

Total earthwork = 6420.13 m³

70% may be given in range

At the end = 4494.13 m³

As per bill
97/11/2005
JE

Round near

I provided 100 mm grey m/s

50 cm = 2 m³

H.P. Culvert (7 nos.)

2(1). Earth work in excavation

7x2x6.40x1.55x1.675 = 234.44 m³

below grade 7x1x5.00x1.51x0.540 = 28.92 m³

Continuation Total = 263.36 m³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Co. of area
	No.	L.	B.	D.	
(i) Sand filling					
H.W	7X2	6.450	X 1.530	X 0.100	13.997 m ²
Below pipe	7X1	5.593	X 1.530	X 0.100	5.99 m ²
				Total	19.987 m ²
(ii) Brick for Soling					
H.W	7X2	6.450	X 1.550		138.159 m ²
Below pipe	7X1	5.653	X 1.550		60.549 m ²
(iv) Pav. Pce M15					
				Total	198.705 m ²
H.W	7X2	6.300	X 1.400	X 0.150	18.522 m ²
Below pipe	7X1	5.766	X 1.530	X 0.500	33.965 m ²
low pipe	7X0.188	$\frac{\pi}{4}$	X 1.230 ²	X 5.958	9.312 m ²
				Total	43.195 m ²
					209.87 m ²
(v) Brick masonry					
H.W	7X2	6.110	X 0.820	$\frac{2.174}{2.46}$	154.424 m ²
Paapet	7X2	6.150	X 0.400	$\frac{1.200}{0.600}$	41.328 m ²
less for pipe	7X2	$\frac{\pi}{4}$	X 1.230 ²	X 0.612	10.181 m ²
				Total	185.571 m ²
(vi) Porridge 4 layer 1000 m dia					
Kce WA 3 pipe					52.50 m ²
	7X	3X	2.50		
(vii) Plastering with Cement mortar					
Outer side	7X2	6.15	X 1.83		157.563 m ²
Inner side	7X2	6.15	X 1.20		103.32 m ²
Top	7X2	6.15	X 0.40		34.44 m ²
Knol	7X4	0.612	X 1.230		21.07 m ²
Knol (paapet)	7X4	0.400	X 0.600		6.72 m ²
els	7X2	$\frac{\pi}{4}$	X 1.230 ²		16.63 m ²
Continuation					
				Total	306.48 m ²

Continuation

Total 306.48 m²

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(viii) Porridge pantry		1.5m	Cover		
TOP	5X2X	6.150	X 0.400		24.60m ²
End	5X4X	0.400	X 0.600		4.80m ²
Inner side	5X	6.150	X 1.200		36.90m ²
			Total		66.30m ²
Nepal 31/12/2000					
JE					
Revel man					

Construction of granular sub-base
 $60 \times 30.00 \times 4.050 \times 0.150 = 1093.50m^3$

Nepal
18/12/2000
JE

- Material statement
- Earth = 4494.13m³ (1.71/m³)
 - Bricks = 99342 nos (5.24/Earth)
 - Sand = 222.177 m³ (1.10.80/m³)
 - S-tune clips = 34.54 (550.85/m)
 - Cement = 9.685 T (202.4/T)
 - S. metal = 656.10 m² (576.44/m²)
 - S. metal = 202.44 m² (211.50/m²)
 - Gravel sand = 392.60 m³ (188.11/m³)

Continuation

Nepal
18/12/2000
JE

Abstract of cost

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1) Const. of Working 0 m wide					
Total 1 = 3.20 km @ Rs. 728.57					
per km				Rs.	23891 = 0
2) Clearing and grubbing wide					
Total fig no. 1 = 0.99 Hect @					
Rs. 50944.57/Hect				Rs.	50468 = 0
3) Construction of embankment					
1st 100m wide TMS fig no					
4 = 4494.13 m ³ @ Rs. 201.77					
per m ³				Rs.	906781 = 0
4) Demolition of G.S. 0 wide					
Total fig no. 6 = 1052.50 m ²					
@ Rs. 4588.38 /m ²				Rs.	5017394 = 0
5) Prov. and fixing M.M.G. 50-1					
wide TMS fig no. 4 = 2 kms @					
Rs. 13029.15/Each				Rs.	26058 = 0
6) Earth work wide TMS fig no.					
4 = 2 263.30 m ³ removed					
to 263.34 m ³ @ Rs. 268.12					
per m ³				Rs.	70659 = 0
7) Sand filling wide TMS					
fig 5 = 19.980 m ³ @ Rs. 399.11					
per m ³				Rs.	7977 = 0
8) Back fill 500g. wide fig no.					
5 = 148.70 m ³ @ Rs. 28.40					
per m ³				Rs.	57306 = 0
Continuation					Rs. 6160524 = 0

A/R

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{9}{18}$ Plv RCC mis vide TMB pgs S = 42.175 m ² @ Rs. 7774 = 924.13					Rs 335682=
$\frac{10}{19}$ Plv RCC mis vide TMB pgs S = 5.18 (5.7 m ²) @ Rs LH 37 6001 = 95					Rs 7113782=
$\frac{11}{20}$ Plv and lay p 1 room mis vide TMB pgs S = 52.504 @ Rs 4188 = 59/4					Rs 219901=
$\frac{12}{21}$ Plastering vide TMB pgs S 230648 m ² @ Rs 254.80 m ² @ Rs 221 = 11/4					5631320 533
$\frac{13}{22}$ Plv RCC piling vide TMB pgs S = 66.70 m ² @ Rs 5.7 = 48/4					Rs 5325=
Total Rs					7891547=
Add 12% GST Rs					946986=
Add 1% Cess Rs					78915=
Add designing fee Rs					78915=
Total Rs					8996363=
less 0.27%					Rs 24290=
Payable Amount Rs					8972073=
Placed by 18/12/20					
JTC					