

Schedule XLV-Form No. 134

M.M.G.S.Y. - Musochet - (NDB)

Take Majora Bigha P1155 need to Kusha Pandey Bigha

1119554 - (NDB)

E E B. M. D. Wark Hwangakal **DIVISION**

H E Hahinagaa **SUB-DIVISION**

Not 4527

MEASUREMENT BOOK

Jay' Maa Bhagwati Construction

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 Road:-	Hwa Nohiya Bigha.				
PNGSY Road TO Kisha Pandey Bigha.					
Agency:-	N/S Jai Nar Bhatnagar Const				
Aggrent No:-	52 SBD/2023-24				
Aggrent Date:-	05/01/2024				
Completion Date:-	4/01/25				
Const Cost:-	11061537.00				
Net Cost:-	1001898.00				
Length:-	1.125 KM				

1st RA Bill				
(1) clearing and grubbing				
Road land etc:-				
$2 \times 10 \times 50.00 \times 3.50 = 3500.00 \text{ m}^2$				
$2 \times 10 \times 50.00 \times 3.50 = 3500.00 \text{ m}^2$				
$2 \times 2 \times 50.00 \times 3.50 = 700.00 \text{ m}^2$				
$2 \times 1 \times 25.00 \times 3.50 = 175.00 \text{ m}^2$				
Total:- 7875.00 m ²				
Say:- 7875.00 m ² $\Rightarrow 0.79 \text{ Hect}$				
10000				
16/3/24				
J.E				
0.00				

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(2) Setting out Bench marks and Reference pillars etc.:-					
(a) Bench marks:-				2.00 Nos.	
(b) Reference pillars:-				4.00 Nos.	
(3) Cost of enlargement obtained Borrow pits etc. (As per graph attached)					
Sono	ch	Fill Area	Neer Area	Dist	value
1	0	0.696	-	-	-
2	50	0.567	0.632	50	31.575 M ³
3	100	0.728	0.646	50	32.800 M ³
4	150	1.322	1.024	50	51.175 M ³

5	200	2.016	1.669	50	83.450 M ³
6	250	2.098	2.057	50	102.850 M ³
7	300	1.422	1.760	50	88.60 M ³
8	350	1.694	1.558	50	77.900 M ³
9	400	1.834	1.764	50	88.200 M ³
10	450	1.942	1.888	50	94.400 M ³
11	500	1.636	1.789	50	89.450 M ³
12	550	0.538	1.087	50	54.350 M ³
13	600	0.459	0.499	50	24.925 M ³
14	650	0.478	0.469	50	23.425 M ³
15	700	0.526	0.502	50	25.100 M ³
16	750	0.511	0.519	50	25.925 M ³
				45:-	

Continuation

14/4/24
G.E

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				Dist	
Sono	ch	Fill Area	Mean Area	Dist	Volume
17	800	0.492	0.502	50	25.075 M ³
18	850	0.831	0.662	50	33.075 M ³
19	900	0.318	0.575	50	28.725 M ³
20	950	0.150	0.234	50	11.700 M ³
21	1000	0.151	0.151	50	7.525 M ³
22	1050	0.278	0.245	50	10.725 M ³
23	1100	0.333	0.306	50	15.275 M ³
24	1125	0.244	0.274	25	6.838 M ³
Total: - 10					31.963 M ³

(a) For lead 1000 mtr.

$$1031.963 \text{ M}^3 @ 40\% \Rightarrow [412.79 \text{ M}^3]$$

(b) For lead 100 mtr.

$$1031.963 \text{ M}^3 @ 60\% \Rightarrow [619.18 \text{ M}^3]$$

14/11/24
J.E

Continuation

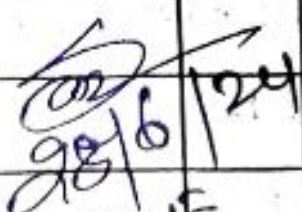
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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(4) Const of Subgrade earth shoulder etc.					
					$10 \times 30.00 \times 7.976 \times 0.30 = 654.8111^2$
					$10 \times 30.00 \times 7.276 \times 0.30 = 654.8111^2$
					$10 \times 30.00 \times 7.276 \times 0.30 = 654.8111^2$
					Total = 1964.5242
(5) Granular Sub-base GSB etc.					
For B.T					
					$10 \times 30.00 \times 4.05 \times 0.200 = 243.00 M^3$
					$10 \times 30.00 \times 4.05 \times 0.200 = 243.00 M^3$
					$6 \times 30.00 \times 4.05 \times 0.200 = 145.80 M^3$
					$1 \times 20.00 \times 4.05 \times 0.200 = 16.20 M^3$
					$1 \times 30.00 \times 4.05 \times 0.200 = 24.30 M^3$
For P.C.C					
					$6 \times 30.00 \times 3.75 \times 0.100 = 67.50 M^3$
					Total = 739.80 M ³

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(6) P.W and laying W.B.M. 3 etc:-					
For B.I					
	10 X	30.00 X	3.75 X	0.075 =	81.38 M ³
	10 X	30.00 X	3.75 X	0.075 =	81.38 M ³
	6 X	30.00 X	3.75 X	0.075 =	50.63 M ³
	1 X	20.00 X	3.75 X	0.075 =	5.63 M ³
	1 X	30.00 X	3.75 X	0.075 =	8.44 M ³
For P.CC					
	6 X	30.00 X	3.75 X	0.075 =	50.63 M ³
Total:-					284.09 M ³
10/6/24 G.E					
(7) P.W and fixing 300 mm Ø Irrigation pipe etc:-					
4 X 3 X 2.50 => 30.00 mt					
(8) Earth work excavation for foundation etc:- (3 Nos CD)					
1000 mm Ø:-					
H/W	3 X	2 X	6.45 X	1.40 X	1.50 = 81.27 M ³
Belt pipe	3 X	4.85 X	1.53 X	0.365 =	8.12 M ³
Total:-					89.39 M ³
10/6/24 G.E					

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(9) PW and laying M15 grade P.C.C (1:2:5) for foundation etc. (3 NOS CD - 1500mm)					
H/W	3	2	6.45	1.40	0.150 = 8.13 m ³
Bed concrete	3	4.931	1.53	0.250	= 5.66 m ³
				Total	13.79 m ³
(10) PW and laying M20 grade P.C.C for head wall & footing etc: (3 NOS CD - 1000mm)					
H/W	3	2	6.15	$\frac{(1.25 + 0.40)}{2}$	2.58 = 78.54 m ³
Parapet	3	2	6.15	0.400	0.60 = 8.86 m ³
Leaving etc:	3	2	0.785	$\frac{(1.230)}{2}$	0.62 = 4.43 m ³
				Total	82.97 m ³
Unit: [82.95 m ³]					
(11) PW and laying NP3 1000 mm Ø pipe etc:					
	3	3	2.5		⇒ 22.50 Rm
 28/6/24 D.E					

28/6/24
J.E

Continuation

Particulars	Details of actual measure			Contents of area
	No.	L	B	
1. clearing and grubbing Road land etc.				
Qty m ² TRB (4527) Page (1) Item (1)				
0.79 Hec @ 75373.31/m ² B- 59703 = 10				
($\frac{2}{1.2}$) Pk over fixing Bench mark and Reference pillars etc.				
Qty m ² TRB (4527) Page (2) Item (2) (a, b)				
($\frac{a}{1}$) Bench mark				
2.00 m ² @ 452628.5/m ² B- 9054 = 10				
($\frac{b}{2}$) Reference pillars				
1.00 m ² @ 210054/m ² B- 8402 = 10				
3. ($\frac{3}{4.5}$) Const of culvert obtained Borrow pits etc.				
Qty m ² TRB (4527) Page (2,3) Item (3)				
($\frac{a}{5}$) For lead 100 mtr. -				
412.79 m ² @ 26109/m ² B- 107775 = 10				
($\frac{b}{4}$) For lead 100 mtr. -				
619.18 m ² @ 17764/m ² B- 109991 = 10				
4. ($\frac{4}{6}$) Const of Subgrade within shoulders etc.				
Qty m ² TRB (4527) Page (4) Item (4)				
1964.52 m ² @ 26463/m ² B- 519871 =				
CH- 814796 = 10				

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
PH: 814736 (5) Granular Sub base 450 etc. Qty vol TMB (4527) Page (1) Item (5) 739.80 M³ @ 3185 = 2356285					
6 (8) PW and laying WBM-3 etc. Qty vol TMB (4527) Page (5) Item (6) 284.09 M³ @ 4996 = 1419498					
7 PW and fixing 300 mm Ø (32) Irrigation pipe etc. Qty vol TMB (4527) Page (5) Item (7) 30.00 M³ @ 1024 = 30734					
8 (27) Earth work excavation for foundation etc. Qty vol TMB (4527) Page (5) Item (8) 89.39 M³ @ 398 = 35633 45 = 4656946					

28/6/24
G.E.

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
ABSTRACT					
(1-5) Clearing and grubbing Road (and etc)					
Qty note T4B (4527) Page (7) Item (1/5)					
0.7914 m ³ @ 75573 34/m ³ b					59703 = m
(2) Ply and fixing Bench mark of Ref pillars etc					
Qty note T4B (4527) Page (7) Item (2/5)					
(3) Bench mark					
0.00 m ³ @ 4526 = 85/m ³ b					9054 = m
(4) Reference pillars					
4.00 m ³ @ 210 = 54/m ³ b					8402 = m
(3) Const of embankment obtained Borrow pits etc -					
Qty note T4B (4527) Page (7) Item (3/5)					
(5) For lead 1000 mtr					107775 =
412.79 m ³ @ 26 1 = 09/m ³ b					10775 =
(4) For lead 100 mtr					
619.18 m ³ @ 177 = 64/m ³ b					109901 =
(4) Const of sub grade earth on Shoulders etc -					
Qty note T4B (4527) Page (7) Item (4/6)					
1964.52 m ³					
+ 697.77 m ³ - Page (12) Item (4)					
2662.29 m ³ @ 264 = 63/m ³ b					704522 =

Continuation Cf: -902447 =

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Particulars	Details of actual measure			Contents of area
	No.	L.	B.	
(5) Granular fill etc. -				PH: 3024177
Qty incl TMB (4527) Page (8) Item (7/1)				
739.80 M ³				
+ 81.93 M ³				
821.73 M ³ @ 3185 = 03/M ³ B				2617235
(6) P.V. and laying w.b. M-3 etc. -				
Qty incl TMB (4527) Page (8) Item (6/8)				
284.09 M ³				
+ 35.48 M ³ - Page (11) Item (2)				
319.57 M ³ @ 4996 = 65/M ³ B				1596779
(7) P.V. and laying 300 mm ϕ Irrigation pipe etc. -				
Qty incl TMB (4527) Page (8) Item (7/32)				
30.00 Rmt @ 1024 = 47/Rmt B				30734 = 0
(8) Earth work excavation for foundation etc. -				
Qty incl TMB (4527) Page (8) Item (8/27)				
89.39 M ³ @ 398 = 62/M ³ B				35633 = 0
				44: - 5182828

Continuation

Continuation

com 28/9/24
8.E
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Material & labour

Continuation

