

SHAI CONST

Schedule XLV-Form No. 134

MMV84 (Ver.)

MB No:- 2969

RWD Work DIVISION

RWD SUB-DIVISION

NAVHATT

MEASUREMENT BOOK

MB No:- 2969

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work :-	Const of Road From				
	Kasimpur Mukhiyati shri				
	Mahoj Kumar Yadu ke Ghar				
	to sinha Paschim PWD				
	Parsharma Bakour Puth Tak				
	under Narhatta Block.				
Agency :-	shri construction				
	AT- Basant vihar, Bhawanikagar				
	W.No.-13, Saharsa				
Agreement No. :-	385BD/MH/54/2020-21				
Date of Commencement :-	20.07.2021				
Date of Completion :-	19.04.2022				
Actual Date of Comp. :-					

Date of Entry :-

if const of subgrade &

Earthen shoulder do.

do all comp. - job -

 $10 \times 30 \times 7.276 \times 0.30 = 654.84 \text{ m}^3$
 $1 \times 30 \times 5.50 \times 0.30 = 49.50 "$
 $5 \times 30 \times \frac{7+6.5}{2} \times 0.30 = 303.75 "$
 $3 \times 30 \times 7.276 \times 0.30 = 196.452 "$
Total = 1204.542 m³

2) Box cutting :- Excavation

for roadway on soil

using Manual means

for carrying of cut

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Carriage (m)	Area (m ²)	Area (m ²)	Distance (m)		Vol (m ³)
200	4.383	5.112	50		255.66013
250	5.325	5.154	50		257.7604
300	5.247	5.286	50		264.3604
350	5.395	5.321	50		266.0503
400	5.453	5.424	50		271.2001
450	5.514	5.484	50		274.1753
500	4.965	5.240	50		261.9753
550	5.325	5.145	50		257.2504
600	5.542	5.434	50		271.6753
650	5.383	5.463	50		273.1253
700	5.442	5.413	50		270.6253
740	4.826	5.134	40		205.3604

Total E/W of 4 (including crust) = 3902.435 m³ (A)

Deduction

① Subgrade width 8 - 16 = 1204.542 m³

② Shoulder width 8 - 20 = 448.437 m³

③ WSB for 1 width 8 - 18 = 478.525 m³

④ WSB for 3 width 8 - 18 = 173.501 m³

⑤ PCH/30 width 8 - 19 = 95.792 m³

Total = 2400.797 m³ (B)

Now Net E/W of 4 (A-B)

= (3902.435 - 2400.797) = 1501.638 m³

Now Lead up to 100m @ 31% = 465.507 m³

Lead up to 100m @ 69% = 1036.130 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of entry :-					
Road Furniture					
1/ ketone free stone					
(i) Ordinary kerb stone					2.10 m.
(ii) 200m stone					3.10 m.
2/ pro. & fixing base of project					4.10 m.
3/ Boundary pillar					24.10 m.
4/ Traffic sign					
(i) 600mm equilateral triangle					6.10 m.
(ii) 600mm circular					2.10 m.
(iii) 800mm x 600mm rectangular					4.10 m.
(iv) 600mm x 450mm rectangular					2.10 m.
(v) 900mm side octagon					2.10 m.
5/ Road Marking with h/p applied					
for BT Pussim					
					2 x 570 x 0.10 = 114.00 m ²
6/ Road Marking with h/p applied					
for CC Pussim					
					2 x 170 x 0.10 = 34.00 m ²
7/ Planting of trees & their					
Maint ^s for one year					57.00 m.
8/ pro. & laying reinforced concrete					
concrete pipe duct					
300 mm dia					
245 x 3 x 2.50m					15.00 m.

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Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1/2 Benchmark pillar					
Qty = 1.10 m ³ - wide B - 03					
@ Rs 4176.34/m ³ - B =					4176.34
2/3 Reference pillar					
Qty = 2.10 m ³ - wide B - 09					
@ Rs 1913.83/m ³ - B =					3828.20
3/4 clearing & grubbing Road					
Qty = 0.52 m ³ - wide B - 03					
@ Rs 53879.81/m ³ - B =					28018.20
4/5 Box cutting					
Qty = 29.75 m ³ - wide B - 17					
@ Rs 75.61/m ³ - B =					2249.20
5/6 const ⁿ of Embt Roadway cutting					
Qty = 17.85 m ³ - wide B - 17					
@ Rs 26.71/m ³ - B =					477.20
6/7 const ⁿ of Embt lead up 100m					
Qty = 1036.130 m ³ - wide B - 21					
@ Rs 14330/m ³ - B =					148477.20
7/8 const ⁿ of Embt lead up 100m					
Qty = 465.507 m ³ - wide B - 21					
@ Rs 190.42/m ³ - B =					88642.20
8/9 const ⁿ of Subgrade & batter					
Qty = 1208.542 m ³ - wide B - 21					
418.437 m ³ - wide B - 21					
1652.979 m ³					
@ Rs 192.10/m ³ - B =					317537.20
9/10 const ⁿ of LRS Bors-I					
Qty = 478.525 m ³ - wide B - 21					
@ Rs 2944.60/m ³ - B =					1409065.20

Continuation $P_3 = 2002469.20$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
19/25 600mm circular 2.12m					
Qty = 6.10 m					
Q.B. 3710.47/m					22263.20
20/26 600mm circular 2.12m					
Qty = 2.10 m					
Q.B. 4935.33/m					9871.20
21/27 800mm x 600mm rectangular					
Qty = 4.10 m					
Q.B. 6835.30/m					27341.20
22/28 600mm x 450mm rectangular					
Qty = 2.10 m					
Q.B. 4809.95/m					9620.20
23/29 900mm square octagon					
Qty = 2.10 m					
Q.B. 8687.05/m					17374.20
24/30 Road Markings (BT Portion)					
Qty = 114.10 m ²					
Q.B. 721.99/m ²					82306.20
25/31 Road Markings (PU Portion)					
Qty = 34.10 m ²					
Q.B. 811.13/m ²					27578.20
26/32 planting of trees & their m					
Qty = 57.10 m					
Q.B. 848.60/m					48370.20
27/34 E/W excavation for fund					
Qty = 253.22 m ³					
Q.B. 283.94/m ³					71899.20

R.B. = 41,52,696.20

Continuation

B.F. Rs = 54,92,841.20

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
37/46 pro. & laying R.C.H. 30 grade Suppstr.					
Qty = 8.76 m ³ - width 2 - 11					
@ Rs 7257.13/m ³ - Rs =					63572.20
38/47 S/F 18 p/acing H/C 18 Suppstr.					
Qty = 0.742 MT - width 2 - 11					
@ Rs 49916.39/MT - Rs =					37038.20
39/48 parapet const. 30 cm 20 grade					
Qty = 8.10 m ³ - width 2 - 11					
@ Rs 6116.18/m ³ - Rs =					48929.20
40/45 painting on parapet wall					
Qty = 75.94 m ² - width 2 - 12					
@ Rs 101.61/m ² - Rs =					7716.20
41/50 pro. Drainage Spouts					
Qty = 8.10 nos - width 2 - 12					
@ Rs 424.06/nos - Rs =					3392.20
42/51 pro. & laying R.C. pipe NP-3					
Qty = 7.50 m - width 2 - 12					
@ Rs 3881.52/m - Rs =					29111.20
43/53 pro. & laying R.C. pipe duct 300 mm					
Qty = 20.10 m - width 2 - 12					
@ Rs 931.23/m - Rs =					18625.20
44/56 dismantling (P.C.C.)					
Qty = 2.07 m ³ - width 2 - 12					
@ Rs 503.88/m ³ - Rs =					1043.20
45/57 dismantling (R.C.C.)					
Qty = 3.36 m ³ - width 2 - 12					
@ Rs 1145.64/m ³ - Rs =					3849.20

Rs = 57,06,116.20

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
46/50 Removing all types H.P. & M. above Grown to Guwahati Disrupting (concrete motor)					
Ody - 6	4.35 m ³	-	side B - 13		
@ Rs 237.67/m ³				B =	15294 =
47/61 Removing all types H.P.					
above Grown to Guwahati					
Ody - 10.00m	-	side B - 13			
@ Rs 249.17/m				B =	2492 =
Add @ 13% (Inst @ 12% + L.C.S @ 1%) (+) B =					7441.07 =
Add @ 10% S. Fee —				(+) B =	73582 =

~~Val~~
10/06/25
AE

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