

ମାମାନ୍ୟ ନେମ୍ ସି

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DIVISION

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SUB-DIVISION

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Measurement Book

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4/4) Excavation for roadway in soil using manual means do-do all complete job.					
2x 16x30.07x0.525x0.10=					50.40
2x 1x14.07x0.525x0.10=					1.47
					<u>51.87</u>
(5/5) Construction of embankment with material do-do					
Qty = 42% of Item No (4/4)					
= 42% x 51.87					
= 21.79 m ³					
(6/7) Construction of GSB by P/v well graded material do-do all complete job.					
In widening					
2x 2.5x0.525x0.10=					2.63
In full width					
25.04 x $\frac{4.3 + 3.90 + 3.4 + 3.70}{4}$ x 0.1 =					9.56
					<u>12.19</u>
(7/8) P/v, laying, spreading & compacting WBM G-3 material do-do all complete job.					
25 x $\frac{4.3 + 3.9 + 3.4 + 3.70}{4}$					
					x 0.075 =
					<u>7.17 m³</u>

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8/9) P/V and Applying Primer Coat (SS-1) on prepared surface etc.					
	25.04	4.3+3.90+3.4+3.70			= 95.62
		4			
	35.04	3.7+3.8			= 131.25
		2			
	30.04	2.8+3.75			= 113.25
		2			
	13	30.04	3.75		= 1462.50
	14	3.75+4.0+5.0+10.7			= 82.08
		4			
					1884.38
			Limit to		1884.38

(9/10) P/V and Applying Tack Coat (RS-1) within prepared surface etc.

Qty VTM B P.No - (16) item

No (8/9) - 1884.38 m²

(10/11) P/V and laying rolling of

Close-grade of MSS of 20mm thickness do all complete job.

Qty VTM B P.No - (10) item

(8/9) - 1884.38 m²

(11/12) Rec M-15 grade KM stone etc

1x 1.0m x 1.0m

(12/13) 200mm stone

1x 2.0m x 2.0m

Continuation

Continuation.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(19/20) P/L & fixing of MMSy Informatory Sign board as per MORD Specification =					
So					
Logo Identification					
Sign Board = $2 \times 2.0 \text{ m} = 2.0 \text{ m}^2$					
Citizen Information Board = 1.0 m^2					
Maintenance Board = 1.0 m^2					
					4.0 m ²
(20/6) Construction of Sub-grade and earthen shoulder					

do do all complete job					
Sides of GSD					
$2 \times 16 \times 30.0 \text{ m} \times 1.388 \times 0.2 = 266.50$					
$2 \times 1 \times 14.0 \text{ m} \times 1.388 \times 0.20 = 7.77$					
Sides of WBM					
$2 \times 16 \times 30.0 \text{ m} \times 1.181 \times 0.075 = 85.03$					
$2 \times 1 \times 14.0 \text{ m} \times 1.181 \times 0.075 = 2.48$					
					361.78 m ²
Sum 20/03/24 JE					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract of Est</u>					
① P/V & fixing of working bench mark Pillars etc Qty VTMB					
P.No - ⑧ - 0.494 km					
② 3683.34 ② km					1820=
②/② Reference Pillars Qty VTMB					
P.No - ⑧ - 0.494 km					
③ 1701.94 ② km					841=
③/③ Clearing & Grubbing road land including uprooting wild vegetation etc Qty VTMB					
P.No - ⑧ - 0.1976 Hec					
④ 51.87 ③					10104=
④/④ Excavation for road way in soil do-do all complete job Qty VTMB P.No - ⑨					
51.87 M ³ @ 74 = 16 ② ③					3847=
⑤/⑤ Construction of embankment with material do-do all complete job Qty VTMB P.No - ⑩					
21.79 M ³ @ 141 = 14 ② ③					3075=
⑥/⑥ Construction of sub-grade & earthen shoulder do-do all complete job Qty VTMB P.No -					
⑪ - 361.78 M ³ @ 176 = 86 ② ③					63984=

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7/7) Construction of GSB by P/s well graded Material do do all complete job.					
Qty VTMB P.No - (8) - 245.35 m ³					
Qty VTMB P.No - (9) - 12.19 m ³					
				257.54	
				Limit to 257.04 m ³	
				@ 3123 = 97 $\frac{2}{3}$ - 802985	
(8/8) P/s, laying & spreading & Compacting WBM G-3 material					
Qty VTMB P.No - (9) - 134.16 m ³					
Qty VTMB P.No - (9) - 7.17					
				141.33 m ³	
				@ 3797 = 70 $\frac{2}{3}$ - 536729	
(9/9) P/s & Applying primer coat (SS-1) on prepared surface etc.					
Qty VTMB P.No - (10) - 1884.38 m ³					
				@ 44 = 74 $\frac{2}{3}$ - 843072	
(10/10) P/s and Applying Tack (RS-1) on prepared surface etc.					
Qty VTMB P.No - (10)					
1884.38 m ³ @ 15 = 52 $\frac{2}{3}$ - 28680					
(11/11) P/s, laying & rolling of M.S.S of 20 mm thickness do do all Complete job. Qty VTMB					
P.No - (10) - 1884.38 m ³					
@ 253 = 83 $\frac{2}{3}$ - 440625					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12/12) R/F R.C.M-15 grade KM Stone etc.					
Qty VTMB P.No - (18) -					
1.0 Nos @ 2277 = 67 $\frac{2}{N}$ Nos					2278 = w
(13/13) 200 mm Stone. Qty					
VTMB P. No - (10) - 2.0 Nos					
@ 6062 26 $\frac{2}{N}$ Nos					1213 = w
(14/14) 600 mm Circular (Speed limit) Qty VTMB P.No - (17)					
1.0 Nos @ 4954 = 12 $\frac{2}{N}$ Nos					4953 = w
(15/15) 900 mm Equilateral & Triangle etc. Qty					
VTMB P.No - (17) 1.0 Nos					
@ 5451 = 85 $\frac{2}{N}$ Nos					5452 = w
(16/16) 600 mm x 650 mm Rectangular etc. Qty VTMB P.No - (11)					
1.0 Nos @ 4823 = 93 $\frac{2}{N}$ Nos					4824 = w
(17/17) P/L Laying hot Applied Thermopl- astic compound etc. Qty					
VTMB P. No - (11) - 98.80 m ³					
@ 735 = 44 $\frac{2}{N}$ Nos					7266 = w
(18) P/L Planting of trees by the road side in 0.6 m dia holes & 1.0 m deep etc. Qty VTMB					
P.No - (11) - 50.0 Nos					
819 = 92 $\frac{2}{N}$ Nos					40996 = w

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(19/19) P/V and erecting direction					
and place & direction					
Sign Board					
Dt VTB P.No - (1)					
1.0 Nos @ 3162 = 300					
3162 = 33 Nos					3162 = 300 ✓
(20/20) P/V & fixing of Typical					
MMGSP Informatory Sign					
Board - do - do all complete					
Job - Dt VTB P.No -					
(12) - 4.0 Nos @ 10912 = 272					48649 = 00 ✓
					2156186 = 00 ✓
Add 12% for GST -					258742 = 00 ✓
Add 1% for LC -					21562 = 00 ✓
Add SF -					25290 = 00 ✓
					2461780 = 00 ✓
Less as per Agreement 0.2%					
					below = 4924 = 00
					2456856 = 00 ✓
Less as previous para payment					
Ns de TMB P.No - (7) -					1538391 = 00
					918465 = 00 ✓
Amal 10/03/24					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Material Statement</u>					
E/W -	84.28	m ³			
Stone Metal -	20.28	m ³			
Stone Screening -	25.03	m ³			
SS - 1 -	1.602	MT			
RS - 1 -	0.518	MT			
Bitumen S-90 -	3.294	MT			
Stone Aggregate -	50.88	m ³			
Waste Plastic -	286.0	kg			
<u>Amel</u> 10/03/24	<u>W. Du.</u> 10/03/24 ACU			<u>Mani</u> 20/03/24 EE	

<u>Bitumen Account</u>			
BIS Bitume S-90 Supplied by Agency vide			
<u>Date</u>	<u>Invoice Number</u>	<u>Qty</u>	
16.09.2024	BH5520101187	4.524	
Bitume S-90 Consumed in Road.			
Vide TMB P.No - (17) = ⊖			3.294
Balance Qty =			1.23 MT
Primer Coat (SS-1) Supplied by Agency			
<u>Date</u>	<u>Invoice No</u>	<u>Qty</u>	
21/05/2022	2021-22/1/119 SNR PETRO PRODUCT	2000 kg	
Primer Coat (SS-1) Consumed in road vide TMB P.No - (17) = ⊖			
			1602 kg
Balance Qty = ⊕			0.398 MT

Continuation