

MAROSY NEMSE (hen)

M.B.NO-3471

Schedule XLV-Form No. 134

માનવ વૈજ્ઞાનિકો અને સંસ્કૃતિ વૈજ્ઞાનિકોના વ્યવસ્થિત કાર્યો
દરેક વર્ષે કરવામાં આવે તેવા નિયમો

પરિશિષ્ટ ૧૫૦-૩૮(SR) / ૨૦૨૧-૨૨

વર્ષ :- ૨૦૨૧-૨૨

DIVISION

સી હિસ્ટોરિકલ અને (સાંસ્કૃતિક) SUB-DIVISION

ગણતરી

MEASUREMENT BOOK

M.B.NO-3471

1st & Final bill

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W:-	construction of Road from				
	Manpur Timmuhani Indur				
	Ram ke Bathar to Yadu				
	manjhi ke ghar hote				
	huye. Harvender Pandey ke				
	ghar tak, under mmsy				
	(new) at blue dalpur				
N/Agency-	Sri Baikunth Nath Mishra				
Ass. NO-	38/SRD/2021-22				

Date of start - 31.12.2021

Date of completion - 30.09.2022

Date of measurement - 08.03.2022

Items of work.

① Plv & fixing of working

benchmark pillars.

= 0.705 Km.

② clearing & grubbing of

road land.

2x 10x30.00m x 1.00m = 600.00m²

2x 10x30.00m x 1.00m = 600.00m²

2x 3x30.00m x 1.00m = 180.00m²

2x 1x15.00m x 1.00m = 30.00m²

Total = 1410.00m²

= 0.141 Hect

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3) Box cutting - Excavation for roadway in soil using manual means.					
2x	10x30.00m	x	0.375m	x	0.100m = 225.00 m ³
2x	10x30.00m	x	0.375m	x	0.100m = 225.00 m ³
2x	3x30.00m	x	0.375m	x	0.100m = 6.75 m ³
2x	1x15.00m	x	0.375m	x	0.100m = 1.12 m ³
					77.40
2x	10x30.00m	x	0.375m	x	0.100m = 22.50 m ³
2x	6x30.00m	x	0.375m	x	0.100m = 13.50 m ³
2x	1x20.00m	x	0.375m	x	0.100m = 1.50 m ³
					Total = 37.50 m ³

(4) Construction of embankment with material deposited from roadway cutting. = 60% of excavated soil = 60% of 37.50 m ³ = 22.50 m ³					
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(5) Construction of embankment with material obtained from borrow pits with a lead of 1000m.					
2x	7x30.00m	x	0.900m	x	0.600m = 226.80 m ³
2x	5x30.00m	x	0.900m	x	0.600m = 162.00 m ³
2x	1x30.00m	x	0.900m	x	0.600m = 32.40 m ³
2x	1x20.00m	x	0.900m	x	0.600m = 21.60 m ³
					Total = 442.80 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6) Construction of granule					
Sub-base by placing					
Coarse graded material.					
9m box cutting —					
2x	10x30.00m	0.375m	0.10m		$= 22.50m^3$
2x	6x30.00m	0.375m	0.10m		$= 13.50m^3$
2x	1x20.00m	0.375m	0.10m		$= 1.50m^3$
				Total	$= 37.50m^3$
9m full width (earthen portion)					
1x6x	30.00m	3.75m	0.10m		$= 67.50m^3$
1x1x	25.00m	3.75m	0.10m		$= 9.375m^3$
for profile correction					
4x	5.50m	1.20m	0.10m		$= 2.64m^3$
6x	4.80m	2.00m	0.10m		$= 5.76m^3$
5x	3.90m	1.70m	0.10m		$= 3.31m^3$
Extra width at H-curve,					
2x	5.80m	0.550m	0.10m		$= 0.63m^3$
2x	6.00m	0.500m	0.10m		$= 0.60m^3$
2x	3.00m	2.50m	0.10m		$= 1.50m^3$
2x	5.50m	0.600m	0.10m		$= 0.66m^3$
2x	4.50m	2.20m	0.10m		$= 1.98m^3$
				Total	$= 131.45m^3$
(7) p.v. Lining, spreading &					
Compacting of WBM					
1x10x	30.00m	3.75m	0.075m		$= 84.37m^3$
1x10x	30.00m	3.75m	0.075m		$= 84.37m^3$
Qty 40 =					$168.74m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Qty B/F	168.75 m ²
1 x 3 x 30.00 m x 3.75 m x 0.075 m					25.31 m ²
1 x 1 x 75.00 m x 3.75 m x 0.075 m					4.21 m ²
Extra width at H-curve					
2 x 5.80 m x 0.550 m x 0.075 m					0.47 m ²
2 x 6.00 m x 0.500 m x 0.075 m					0.45 m ²
2 x 3.00 m x 2.50 m x 0.075 m					1.12 m ²
2 x 5.50 m x 0.600 m x 0.075 m					0.49 m ²
2 x 4.50 m x 2.20 m x 0.075 m					1.48 m ²
				Total	202.28 m ²
				Qty Unit	202.25 m ²

⑧ continuation of Unreinforced					
plain cement concrete paving					
as per technical specification					
1 x 10 x 30.00 m x 3.75 m x 0.160 m					180.00 m ²
1 x 10 x 30.00 m x 3.75 m x 0.160 m					180.00 m ²
1 x 3 x 30.00 m x 3.75 m x 0.160 m					54.00 m ²
1 x 1 x 15.00 m x 3.75 m x 0.160 m					9.00 m ²
Extra width at H-curve					
2 x 5.80 m x 0.550 m x 0.160 m					1.02 m ²
2 x 6.00 m x 0.500 m x 0.160 m					0.96 m ²
2 x 3.00 m x 2.50 m x 0.160 m					2.40 m ²
2 x 5.50 m x 0.600 m x 0.160 m					1.05 m ²
2 x 4.50 m x 2.20 m x 0.160 m					3.16 m ²

Total = 431.59 m²Qty Unit = 431.46 m²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑨ Laying brick soling layer on prepared sub-grade with brick on end edging					
2x	10x30.00m	x	0.250m	2	150.00m ²
2x	10x30.00m	x	0.250m	2	150.00m ²
2x	3x30.00m	x	0.250m	2	45.00m ²
2x	1x15.00m	x	0.250m	2	7.50m ²
Total =					352.50m ²

(10) Construction of Sub-grade & earthen shoulder with approved material					
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Sub-grade for Earthen Pavement					
1x	6x30.00m	x	5.550m	x	0.300m = 299.70m ²
1x	1x25.00m	x	5.550m	x	0.300m = 41.62m ²
Sides of G.S.B.					
2x	10x30.00m	x	0.900m	x	0.100m = 54.00m ²
2x	6x30.00m	x	0.900m	x	0.100m = 32.40m ²
2x	1x20.00m	x	0.900m	x	0.100m = 3.60m ²
2x	6x30.00m	x	0.900m	x	0.100m = 32.40m ²
2x	1x25.00m	x	0.900m	x	0.100m = 4.50m ²
Sides of W.B.M.					
2x	10x30.00m	x	0.625m	x	0.075m = 28.12m ²
2x	10x30.00m	x	0.625m	x	0.075m = 28.12m ²
2x	3x30.00m	x	0.625m	x	0.075m = 8.43m ²
2x	1x15.00m	x	0.625m	x	0.075m = 1.40m ²

Qty 102534.29m²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			Qty	B/F	534.29m ²
Sides of P.C.C.					
2x	10x30.10m	x	0.625m	x	0.16m = 60.10m ²
2x	10x30.10m	x	0.625m	x	0.16m = 60.10m ²
2x	3x30.10m	x	0.625m	x	0.16m = 18.10m ²
2x	1x15.10m	x	0.625m	x	0.16m = 3.10m ²
			Total		675.29m ²
(11) Plr & Laying of R.C.C pipe					
dia - 300mm across the					
road.					
	4x7.50m	=	30.00m		
(12) Plr & Laying of R.C.C MIS					
grade 100mm stones = 02 Nos					
(13) Plr & Laying of R.C.C MIS					
grade 200mm stones = 03 Nos					
(14) Plr & Laying of retro-reflect					
raised traffic signboard					
600mm equilateral triangle					
					= 01 No
(15) 600mm circle = 01 No					
(16) 800mm x 600mm rectangle = 01 No					
(17) 600mm x 450mm rectangle = 01 No					
(18) 900mm side octagon = 01 No					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(19) p/v & connecting of ducts & place idents from side but = 03 NO					
(20) p/v & Laying of hot-applied thermoplastic compound 2.5 mm thick.					
2 x 10 x 30.10 m x 0.10 m =					60.10 m ²
2 x 10 x 30.10 m x 0.10 m =					60.10 m ²
2 x 3 x 30.10 m x 0.10 m =					18.10 m ²
2 x 1 x 15.10 m x 0.10 m =					3.10 m ²
				Total =	141.10 m ²

21 PIV 8 Study of typical
memory informatory signal
with $\log_2 = 0.4$ NOT.

1.

MDM
08/03/22
(JFE)

105/03/22
AE

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract of cost</u>					
<u>1/</u> P.V & fixing of working benchmark pillars.					
0.705 km, vide TMBP-1					
① Rs 12362 = 33 / km Rs					8,715 = 00
<u>2/</u> Clearing & grubbing of road land.					
0.141 Hect, vide TMBP-1					
① Rs 53,879 = 81 / Hect Rs					7,597 = 00
<u>3/</u> Box cutting - Excavation for roadwork in soil using manual means					
37.50 m ³ , vide TMBP-2					
① Rs 133 = 10 / m ³ - Rs					4,991 = 00
<u>4/</u> Construction of embank. - met with approved material deposited from roadwork cutting.					
22.50 m ³ , vide TMBP-2					
① Rs 96 = 78 / m ³ - Rs					2,178 = 00
<u>5/</u> Construction of embank. - met with material obtained from borrow pits with a lead upto 1000 m.					
442.80 m ³ , vide TMBP-2					
① Rs 197 = 10 / m ³ - Rs					87,276 = 00
					40. Rs 1,10,757 = 00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B1 F.	B	1,10,757 ² ₀₀
<u>6</u> <u>7</u>	Construction of granules				
	Sub-base by brick				
	Coarse graded material.				
	131.45 m ³ , vide TMBP-3				
	① B 2847 = 10 / m ³ - B				3,74,251
<u>7</u> <u>8</u>	Plv, Leaning, spreading				
	Compacting of WBM-3				
	202.25 m ³ vide TMBP-4				
	① B 3928 = 45 / m ³ - B				7,94,529
<u>8</u> <u>9</u>	Construction of un-				
	- jointed plain				
	Cement concrete kerbs				
	as per technical				
	specification				
	431.46 m ³ , vide TMBP-4				
	① B 7565 = 68 / m ³ - B				32,64,288 ² ₀₀
<u>9</u> <u>10</u>	Leaning brick sitting				
	lays on prepared				
	sub-grade with brick				
	on and edging.				
	352.50 m ² , vide TMBP-5				
	① B 552 = 90 / m ² - B				1,94,897 ² ₀₀
			40	B	47,38,722 ² ₀₀

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/E	B	49,00,379=00
$\frac{15}{15}$ 600 mm circular					
01 No, vide TMAP-6					
			① P	4629 = 92/110 - B	4630 = 00
$\frac{16}{16}$ 800 mm x 600 mm rectangle					
01 No, vide TMAP-6					
			① P	6460 = 80/110 - B	6461 = 00
$\frac{17}{17}$ 600 mm x 450 mm rectangle					
01 No, vide TMAP-6					
			① P	4509 = 10/110 - B	4509 = 00
$\frac{18}{18}$ 900 mm side octagon					
01 No, vide TMAP-6					
			① P	8245 = 22/110 - B	8245 = 00
$\frac{19}{19}$ Plv & erecting direction & place identification 82mm 80mm					
03 No, vide TMAP-7					
			① P	10,120 = 58/110 - B	30,362 = 00
$\frac{20}{20}$ Plv & laying of half applied thermoplastic compound 2.5 mm thick					
141.00 m ² , vide TMAP-7					
			① P	859 = 53/110 - B	1,21,194 = 00
			① P	50,75,780 = 00	

Continuation

Continuation