

MMGSY (SC)

1st. B. NO - 3386

Schedule XLV-Form No. 134

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~~Agg. No - 19/50D/2020-21~~ DIVISION

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SUB-DIVISION

19B NO - 3386

MEASUREMENT BOOK

On - employed Engineer

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W:- Construction of Road & old work for NH - Rajni ke tols to Railway					
Round table under masonry					
(80) at black jalalpur.					
NI Agency - Sri Rajesh Kumar					
Agg. No - 19/ SBD/2020-21					
Date of start - 27.08.2020					
Date of completion - 26.05.2021					
Date of measurement -					

Items of work.

① Construction of granular sub-base by portable Crane loaded material.					
For earthen portion - (B.T. portion)					
1x25.00m x 4.050m x 0.10m					= 8.10m ³
1x20.10m x 4.050m x 0.10m					= 8.10m ³
Extra width at H-lane,					
2x 3.50m x 0.50 x 6.00m x 0.10m					= 2.10m ³
	2				Total = 18.60m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
② P/V, levelling, spreading & Compacting of WBM-3					
3x 30.00m x 3.75m x 0.075m					25.31m ²
1x 10.00m x 3.75m x 0.075m					2.81m ²
Extra width of H-cul					
2x 5.80m x 0.55m x 0.075m					0.47m ²
2x 3.50m + 0.50m x 6.00m x 0.075m					1.80m ²
	2				Total = 30.39m ²
③ P/V & applying Primer coat with Bitumen emulsion SS-1					
5x 30.00m x 3.75m					562.50m ²
5x 30.00m x 3.75m					562.50m ²
2x 30.00m x 3.75m					225.00m ²
1x 10.00m x 3.75m					37.50m ²
Extra width of H-cul					
2x 5.80m x 0.55m					5.80m ²
2x 3.50m + 0.50m x 6.00m					24.00m ²
	2				Total = 1417.30m ²
					Qty limit = 1401.38m ²
④ P/V & applying tack coat with bitumen emulsion RS-1					
Net Qty = As per Primer coat					
					= 1401.38m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) Plv, Langze & rollings of close-graded brick surfacing material of 20 mm thickness. Net qty = As per cut and bty = 1401.38 m ²					
(6) Earthwork in excavation for foundation of structure. (H.W. cut - 1 x 1000 mm - 0.1 m) For H.W. well 2 x 6.450 m x 1.400 m x 1.50 m = 27.09 m ³					
Below pipe 1 x 4.850 m x 1.530 m x 0.365 m = 2.70 m ³					
Total = 29.79 m ³					
(7) Plv m/s grade (1:2.5:5) P.C.C. as levelling course For H.W. - 2 x 6.450 m x 1.400 m x 0.150 m = 2.70 m ³					
Below pipe 1 x 4.930 m x 1.530 m x 0.250 m = 1.88 m ³					
Less for pipe 0.250 m x 0.2857 m x (1.230 m) ² = 5.496 m ³ (-) 1.63 m ³					
Total = 2.95 m ³					

Continuation

⑨ Plv 8 Layer R.C.C.
pipe HP3 of dia 1000mm
 $= 3 \times 2.50 \text{ m} = 7.50 \text{ m}$

⑩ Plv 1.5 mm curl - Running
 $2 \times 2 \times 6.150 \text{ m} \times 0.600 \text{ m} = 14.76 \text{ m}^2$
 $2 \times 6.150 \text{ m} \times 0.400 \text{ m} = 4.92 \text{ m}^2$
Total = 19.68 m^2
Qty Unit = 19.44 m^2

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07/05/22
(J.E.)

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract of Cost.</u>					
<u>1.</u> Div & fixing of working benchmark pillars,					
0.470 Km, vide TMBB-3					
① Rs 5903=21 / Km - Rs					2774=00
<u>2.</u> clearing & grubbing of road land —					
0.094 Hect, vide TMBB-3					
② Rs 5133=76 / Hect - Rs					4807=00
<u>3.</u> Excavation for roadway in soil using machines.					
36.75 m ³ , vide TMBB-3					
③ Rs 126=24 / m ³ - Rs					4639=00
<u>4.</u> Construction of embank - met with approved material deposited from roadway cutting					
22.05 m ³ , vide TMBB-4					
④ Rs 88=36 / m ³ - Rs					1948=00
<u>5.</u> construction of embank - met with material obtained from borrow pits with a lease up to 1000m —					
265.50 m ³ , vide TMBB-4					
⑤ Rs 184 = 30 / m ³ - Rs					48,932=00
Continuation					Rs 63,100=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			BIF	Rs	63,100.00
$\frac{6}{8}$	Construction of granule				
	Sub base by partially				
	coarse graded material.				
	183.27 m ³	vide	TMAR-4		
	18.60 m ³	vide	TMAR-8		
	201.87 m ³				
	⑥	3161	62/m ³	Rs	6,38,236.00
$\frac{7}{9}$	Plr, laying & spreading				
	Compacting of WBM-3				
	75.93 m ³	vide	TMAR-4		
	30.39 m ³	vide	TMAR-8		
	106.32 m ³				
	⑥	3863	25/m ³	Rs	4,10,741.20
$\frac{8}{23+25}$	Plr & Sizing of typical				
	massy masonry				
	Sewer bed with logs				
	02 Nos.	vide	TMAR-5		
	⑥	9328	39 / No-Rs		18,657.00
$\frac{9}{10}$	Plr & applying Prime				
	coat with bitumen				
	emulsion SS-1				
	1401.38 m ²	vide	TMAR-9		
	⑥	45	47/m ²	Rs	63,721.00
			46	Rs	11,94,455.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			BIF B		11,94,455 = 60
$\frac{10}{11}$	Plr & applying of				
	tack coat with				
	bitumen emulsion B-1				
	1401.38 m ² , vide Tmb-9				
	(a) B 15 = 64/m ² - B				21,918 = 60
$\frac{11}{12}$	Plr, laying & rolling				
	of close-graded				
	premix sustaining				
	material of 20mm				
	thickness.				
	1401.38 m ² , vide Tmb-10				
	(a) B 241 = 31/m ² - B				3,38,728 = 60
$\frac{12}{27}$	Earthwork in excavation				
	for foundation of				
	structure (H.P. culvert)				
	29.79 m ³ , vide Tmb-10				
	(a) B 294 = 23/m ² - B				8,780 = 60
$\frac{13}{28}$	Plr mis grade (1:2.5:5)				
	p.c.c. as leveling				
	course				
	2.95 m ³ , vide Tmb-10				
	(a) B 5170 = 05/m ² - B				15,252 = 60
$\frac{14}{29}$	Plr & laying plain cement				
	concrete in substrate				
	30.61 m ³ , vide Tmb-11				
	(a) B 5815 = 35/m ² - B				1,78,008 = 60
					40, B 17,57,141 = 60

Continuation

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