

Pat. B. No. 3320

Schedule XLV-Form No. 134

पत्राचार - २०/३६८/२०२०
विभाग - ५७९१४१
DIVISION

১৯৭২-৭৩ কৃষি আয় ১৫৮

$$\frac{27 \cdot 27 \cdot 27}{27 \cdot 27 \cdot 27} \sqrt[3]{181} \sqrt[3]{(27 \cdot 10 \cdot 37 \cdot 47 \cdot 57)}$$

SUB-DIVISION

5107102142

Measurement Book

71-B.VO-3320

4th & Final bill

19

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W:- Construction of road from					
Nagra mukhya Patti madhopur					
Prathmik Vidyalaya ke pas					
to Gramharige welkunda					
tak via Madanpur, under					
mmssy (SC) at block Jalalpur					
N Agency - Sri Karpilashwar Singh					
Ass. NO - 20 / SBD / 2020-21					
Date of start - 06.07.2020					
Date of completion - 05.07.2021					
Date of measurement - 15.10.2022					

Items of work

① Earth work calculations.					
Sl. No	chainage	C/S Area	mean C/S Area	Dist	volume
	(m)	(m ²)	(m ²)	(m)	(m ³)
1	0	2.808	1.404	0	0.00
2	50	3.024	2.916	50	145.803
3	100	2.757	2.891	50	144.540
4	150	3.224	2.991	50	149.527
5	200	3.036	3.130	50	156.493
6	250	3.224	3.130	50	156.491
7	300	3.317	3.271	50	163.527
8	350	2.803	3.060	50	153.022
9	400	3.001	2.902	50	145.123
10	450	2.951	2.976	50	148.801

Qty of = ~~1363.327~~

1363.327 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
St. No chainage		C/S Area	Mean C/S Area	Dist	Volume
	(m)	(m ²)	(m ²)	(m)	(m ³)
11.	500	2.934	2.942	50	1363.327 m ³ 147.124
12.	550	3.214	3.074	50	153.705
13.	600	3.054	3.134	50	156.687
14.	650	2.774	2.914	50	145.689
15.	700	2.927	2.850	50	142.572
16.	750	3.001	2.964	50	148.178
17.	800	3.111	3.056	50	152.782
18.	850	3.075	3.073	50	154.638
19.	900	3.051	3.063	50	153.134
20.	950	3.069	3.060	50	152.978
21.	1000	2.547	2.808	50	140.395
22.	1050	2.915	2.731	50	136.561
23.	1100	2.783	2.849	50	142.462
24.	1150	3.345	3.064	50	153.202
25.	1200	3.350	3.347 2.986	50	167.370
26.	1250	2.778	3.064 3.170	50	153.196
27.	1300	3.195	3.986 3.295	50	149.322
28.	1350	3.146	3.170 1.959	50	158.519
29.	1400	3.645	3.395 0.772	50	169.773
30.	1450	3.048	3.347 0.846	50	167.340
31.	1500	0.869	1.959	50	97.927
32.	1550	0.675	0.772	50	38.595
33.	1600	1.017	0.846	50	42.306
34.	1650	1.097	1.057	50	52.855
35.	1700	3.019	2.058	50	102.910

Qty 402

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
S. No chainage		Area	Mean Area	Dist	Volume
	(m)	(m ²)	(m ²)	(m)	m ³
			Qty B/F =		4743.487 m ³
36	1750	3.254	3.137	50	156.827
37	1800	3.450	3.352	50	167.600
38	1850	3.493	3.472	50	153.886 153.135
39	1900	3.217	3.355	50	167.764 144.437
40	1950	2.908	3.063	50	153.135 148.887
41	2000	2.869	2.889	50	144.437 154.096
42	2050	2.869 2.978	2.978	50	164.105 148.889
43	2100	3.278	3.182	50	159.096
44	2150	3.286	3.282	50	164.105 157.606
45	2200 2200	3.098	3.192	50	159.614 166.657
46	2250	3.286	3.172	50	159.606
47	2300	3.380	3.333	50	166.657
48	2350	2.866	3.123	50	156.143
49	2400	3.064	2.965	50	148.227
50	2450	3.013	3.038	50	151.901
51	2500	2.996	3.004	50	150.218
52	2550	0.888	1.942	50	97.100
53	2600	0.753	0.820	50	41.022
54	2650	1.103	0.928	50	46.401
55	2700	0.741	0.922	50	46.090
56	2750	0.662	0.701	50	35.066
57	2800	0.858	0.760	50	37.996
58	2850	1.252	1.055	50	52.750
59	2900	0.736	0.994	50	49.713
			Total		= 7677.728

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					Qty Q/F = 7677.728m ²
					Total = 7677.728m²
Less for C.I.B-I					(-) = 292.53m ²
Less for W.M-I					(-) = 822.52m ²
Less for M.S.S					(-) = 219.32m ²
Net Qty of E/W					= 4443.358m ²
Already Paid Qty					= 4292.62m ²
Qty to Be Paid					= 150.738m ²
② P.V. & applying primer coat					
with bitumen emulsion SS-1					
					20 x 30.00m x 3.75m = 2250.00m ²
					20 x 30.00m x 3.75m = 2250.00m ²
					20 x 30.00m x 3.75m = 2250.00m ²
					20 x 30.00m x 3.75m = 2250.00m ²
					20 x 30.00m x 3.75m = 2250.00m ²
					16 x 30.00m x 3.75m = 1800.00m ²
					1 x 15.00m x 3.75m = 56.25m ²
Extra width at H-curve -					
					2 x 2.50m x 3.50m = 17.50m ²
					4 x 6.00m x 0.550m = 13.20m ²
					2 x 5.80m x 0.600m = 6.96m ²
					4 x 5.70m x 0.580m = 13.22m ²
					2 x 3.50m x 2.80m = 19.60m ²
					4 x 5.50m x 0.600m = 13.20m ²
					1 x 7.00m x 3.75m = 26.25m ²
					Total = 10966.18m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③ Plv & applying tack coat with bitumen emulsion BS-1					
Net Qty = As per primer coat area					
10966.18 m²					
④ Plv, laying and rolling of close-graded premix surfacing material of 20 mm thickness.					
Net Qty = As per tack coat area					
10966.18 m²					
⑤ Construction of sub-grade & earthen shoulder side of WBM-38 P.M.C.					
2 x 20 x 30.0 m x 0.70 m x 0.10 m = 63.0 m³					
2 x 20 x 30.0 m x 0.70 m x 0.10 m = 63.0 m³					
2 x 7 x 30.0 m x 0.70 m x 0.10 m = 22.05 m³					
2 x 1 x 25.0 m x 0.70 m x 0.10 m = 2.62 m³					
Total = 150.67 m ³					
⑥ Plv & laying of R.C.C. pipe duct of 300 mm dia					
= 6 x 2.50 m = 15.00 m					
Qty used = 10.00 m					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) Plv & fixing of R.C.C					
M/S grade boundary walls					
			$= 2 \times 4 \times 2$		16 Nos
			$= 2 \times 1$		2 Nos
			Total		18 Nos
(8) Plv & fixing of R.C.C					
M/S grade kilometre					
stones					03 Nos
(9) Plv & fixing of 200 m					
stones					12 Nos
(10) Plv & fixing of retro-reflectorisal traffic					
sign board					
600 mm equilateral triangle					02 Nos
(11) 600 mm circle					02 Nos
(12) 600 mm x 450 mm rectangle					01 No
(13) Plv & erecting of direction & place identification					
sign board					06 Nos

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14) Plv & Laying of hot applied thermoplastic compound 2.5mm thick					
2x 20 x 30.0m x 0.10m =					120.0m ²
2x 20 x 30.0m x 0.10m =					120.0m ²
2x 20 x 30.0m x 0.10m =					120.0m ²
2x 20 x 30.0m x 0.10m =					120.0m ²
2x 16 x 30.0m x 0.10m =					96.0m ²
2x 1 x 15.0m x 0.10m =					3.0m ²
Total =					579.0m ²
(15) Plv & fixing of typical mosaic internal sign					
board with logo.					
= 01 NO					
(16) Brick masonry in c.m (1:3) in parapet wall.					
2x 6.0m x 0.40m x 0.60m =					2.88m ³
(17) Plv p.c.c m20 coping on the top of wall -					
2x 6.0 M =					12.0 M.
(18) plastering with c.m (1:4) on brick work					
outer side -					
2x 6.0m x 0.60m =					7.20m ²
inner side -					
2x 6.0m x 0.60m =					7.20m ²
Total =					14.40m ²

18.

$$\frac{3}{5}$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				R/F, B	1,13,27,786
$\frac{8}{3}$ Box cutting- Excavation					= 6
for roadway in					
soil using manual					
means.					
62.42 m ³ , vide TMBP-16					
① B 126 = 24/m ³ - B					7,886 = 6
$\frac{9}{4}$ Construction of embankment					
with approved material					
deposited from					
roadway cutting					
37.48 m ³ , vide TMBP-16					
② B 88 = 36/m ³ - B					3,312 = 6
$\frac{10}{9}$ Plv & applying Primer					
coat with bitumen					
emulsion SS-1					
10966.18 m ² , vide TMBP-22					
③ B 45 = 29/m ² - B					4,96,658 = 6
$\frac{11}{10}$ Plv & applying tack					
coat with bitumen					
emulsion RS-1					
10966.18 m ² , vide TMBP-23					
④ B 15 = 58/m ² - B					1,70,855 = 6
					4,96,458 = 6
				cl 0 B	1,29,06,495
					= 6

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			BIF, B		1,20,06,495
$\frac{12}{11}$	Plv, laying & rolling of close-graded loose surface material of 20 mm thickness				
	10,966.18 m ² , vide T.M.B.P. 23				
	(B) 242265/m ² - B				26,60,944.00
$\frac{13}{12}$	Plv & laying of R.C.C. pipe cut of 300 mm dia,				
	10.00 M, vide T.M.B.P. 23				
	(B) 83672/M - B				8,367.00
$\frac{14}{13}$	Plv & laying of R.C.C. MIS grade boundary pillars.				
	18.00 Nos, vide T.M.B.P. 24				
	(B) 50520/No - B				9,090.00
$\frac{15}{14}$	Plv & laying of R.C.C. MIS grade kilometre stones,				
	03 Nos, vide T.M.B.P. 24				
	(B) 2201798/No - B				6,606.00
			4. B		1,46,91,502.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/P, B	47,82,659 = 60
$\frac{21}{20}$				plv & leaving of hof of pline	
				thence plastic compad	
				2.5 m thick	
				579.00 m ² vide TMBP-25	
				① B 73544/m ² - B	4,25,820 = 60
$\frac{22}{24}$				Brick masonry work in c.m (1:3) in parapet wall	
				2.88 m ³ vide TMBP-25	
				① B 6525 = 181 m ³ - B	18,793 = 60
$\frac{23}{25}$				plv p.c.c m 20 Coping on the top of wall	
				12.00 m, vide TMBP-25	
				① B 406028/m - B	4,875 = 60
$\frac{24}{26}$				Plastering with c.m (1:4) on brick work	
				20.16 m ² , vide TMBP-26	
				① B 161 = 771 m ² - B	3,261 = 60
				c/o, B	1,52,35,408 = 60

	only.			
	1			
	M/M			
	15/10/22			
	(J.E)			
	Total = Rs	1,52,35,408 = CO		
	Less 0.08% (-) Rs	12,188 = CO		
	(plus)			
	Rs	1,52,23,220 = CO		
Add 12% (GST) + Rs	18,76,786 = CO			
Add 1% (I-con) + Rs	1,52,354 = CO			
Add s. fee + Rs	1,90,760 = CO			
	Total = Rs	1,73,93,120 = CO		
	(- Rs)	1,29,28,361 = CO		
Less Poring Payment				
Net Payable Amount = Rs	44,64,759 = CO			
(Rupees)	Forty four Lakhs,			
	Sixty four thousand, seven hundred,			
	& fifty nine only.			
	1			
	M/M			
	15/10/22			
	(J.E)			

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E.E.