

121.3.10-3306

Shedule XLV Form No. 134.

63/SBD/2020-21

$\frac{208}{2925} = \frac{8}{1125}$

DIVISION

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SUB-DIVISION

576112147

Measurement Book

PA-8-70-30006

6th & Pinal bill

31

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W:- construction of road from Samhanta Cozem Pakki Sadak to (Ganesh Singh ke ghar) Purab gaehhi tak under mmsy (SC) at block talabpur.					

N/Agency - Sri Rakesh Kumar Singh

Ass. No - 63/ SB.D/ 2020-21

Date of start - 12.08.2020

Date of completion - 11.08.2021

Date of measurement - 25.04.2022

Items of work

① Earthwork Calculation -

Sl. No	chainage (m)	cl/s Area (m ²)	Mean cl/s Area (m ²)	Dist (m)	volume (m ³)
1	0	1.137	0.568	0	0.00
2	50	1.256	1.197	50	59.825
3	100	1.103	1.180	50	58.975
4	150	1.534	1.319	50	65.925
5	200	1.749	1.642	50	82.075
6	250	1.126	1.438	50	71.875
7	300	1.620	1.373	50	68.650
8	350	1.087	1.354	50	67.675
9	400	1.297	1.192	50	59.600

Qty cl/s = 534.60 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
S/No chainage		c/s Area	mean c/s Area	Dist	volume
	(m)	(m ²)	(m ²)	(m)	(m ³)
			Qty B/F		534.60 m ³
10.	450	0.970	1.134	50	56.625
11.	500	1.393	1.182	50	59.075
12.	550	0.914	1.154	50	57.625
13.	600	0.871	0.893	50	44.625
14.	650	1.031	0.951	50	47.550
15.	700	1.008	1.020	50	50.975
16.	750	1.067	1.038	50	51.875
17.	800	1.106	1.087	50	54.325
18.	850	1.471	1.289	50	64.425
19.	900	1.337	1.404	50	70.200
20.	950	1.430	1.384	50	69.175
21.	1000	1.138	1.284	50	64.200
22.	1050	1.551	1.345	50	67.225
23.	1100	1.974	1.763	50	88.125
24.	1150	3.192	2.583	50	129.150
25.	1200	1.196	2.194	50	109.700
26.	1250	1.661	1.429	50	71.425
27.	1300	1.571	1.616	50	80.800
28.	1350	1.870	1.721	50	86.025
E/W Qty (Including earth)					Total = 1857.825 m ³
Less for					C/S B/F = 543.940 m ³
Less for					W.B.M = 382.73 m ³
" "					P.C.C = 218.16 m ³
" "					M.S.S = 74.94 m ³
Net Qty of E/W					= 638.055 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			Qty BIF =		638.055m ²
			Total =		638.055m ²
Less for subgrade & cartmen shoulder (-)					442.240m ²
Net Qty of bitumen emulsion =					195.815m ²
Less paid Qty of emulsion =					195.000m ²
			Payable Qty =		0.815m ²
(2) P.V. & applying Primer					
coat - with bitumen emulsion					
SS-1					
10 x 30.00m x 3.75m =					1125.00m ²
10 x 30.00m x 3.75m =					1125.00m ²
10 x 30.00m x 3.75m =					1125.00m ²
3 x 30.00m x 3.75m =					337.50m ²
Extra width of frame					
3 x 6.00m x 0.40m =					7.20m ²
2 x 5.80m x 0.450m =					5.22m ²
4 x 5.50m x 0.430m =					9.46m ²
2 x 2.50m x 1.250m =					6.25m ²
2 x 5.60m x 0.550m =					6.16m ²
			Total =		3746.79m ²
(3) P.V. & applying tack coat -					
with bitumen emulsion SS-1					
			Net Qty =		3746.79m ²
			(As per Qty of primer coat)		

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ Plv, laying & rolling of close-graded bitum surfacing material of 20 mm thickness.					
Net Qty = 3746.79 m ²					
(As per qty of take out)					
⑤ Construction of Subgrade & earthen shoulder					
Per flexible pavement					
Sides of G.S.B —					
2 x 10 x 30.00 m x 0.975 m x 0.10 m = 58.50 m ³					
2 x 10 x 30.00 m x 0.975 m x 0.10 m = 58.50 m ³					
2 x 10 x 30.00 m x 0.975 m x 0.10 m = 58.50 m ³					
2 x 3 x 30.00 m x 0.975 m x 0.10 m = 17.55 m ³					
Sides of W.B.M — 3					
2 x 10 x 30.00 m x 1.125 m x 0.075 m = 50.62 m ³					
2 x 10 x 30.00 m x 1.125 m x 0.075 m = 50.62 m ³					
2 x 10 x 30.00 m x 1.125 m x 0.075 m = 50.62 m ³					
2 x 3 x 30.00 m x 1.125 m x 0.075 m = 15.18 m ³					
Total = 360.09 m ³					
⑥ Construction of Sub-grade & earthen shoulder					
Per R.C.C. Pavement					
Sides of W.B.M — 3					
2 x 9 x 30.00 m x 0.625 m x 0.075 m = 25.31 m ³					
2 x 1 x 10.00 m x 0.625 m x 0.075 m = 0.93 m ³					
Qty = 26.24 m ³					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			Qty	Poly	26.24 m ²
Sides of R.C.C					
	2	9	30.10 m	0.65 m	0.60 m = 54.00 m ²
	2	1	10.10 m	0.65 m	0.60 m = 2.60 m ²
				Total	= 82.24 m ²
(7) Plv & Laying of R.C.C pipe					
duct - 300 mm dia across the					
road -					
	2	2.50 m			5.00 m,
			Qty	Lim	2 4.00 m,
(8) Plv & Laying of boundary					
pillars (R.C.C misgrade)					
					06 NOS
(9) Plv & Laying of R.C.C					
mis grade Kilometre					
					Stones = 02 NOS
(10) Plv & Laying of R.C.C					
mis grade 200 m					
					Stones = 05 NOS
(11) Plv & Laying of retro-					
- reflectorised traffic					
sign board					
600 mm equilateral					
triangle					= 01 NO
(12) 600 mm Circles					= 01 NO
(13) 600 mm x 450 mm rectangle					= 01 NO

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14) Plv & erecting direction & plane identification traffic sign board					= 0.140
(15) Plv & Laying of hot applied thermoplastic Compound 2.5mm thick.					
For flexible pavement —					
2 x 10 x 30.0m x 0.10m					60.00m ²
2 x 10 x 30.0m x 0.10m					60.00m ²
2 x 10 x 30.0m x 0.10m					60.00m ²
2 x 3 x 30.0m x 0.10m					18.00m ²

For c.c. pavement —					
2 x 10 x 30.0m x 0.10m					60.00m ²
2 x 2 x 30.0m x 0.10m					12.00m ²
Total =					270.00m ²

(16) Plv & Study of typical messy maintenance sign board with lsgd = 0.140					
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(17) Brick masonry work in cement mortar 1:2 in Parapet wall.					
2 x 6.00m x 0.40m x 0.60m					2.88m ³

Continuation

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Scanned with CamScanner

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.					
1.350 km, vide TMBP-26					
① Rs 5897.25/km-Rs					7,961 = a
<u>2</u> clearing & grubbing of road land.					
0.270 Hect, vide TMBP-26					
① Rs 51133.76/Hect-h					13,806 = a
<u>3</u> Excavation for roadway in soil using manual means,					
130.95 m ² , vide TMBP-26					
① Rs 126.24/m ² -Rs					16,531 = a
<u>4</u> Construction of embankment with approved material deposited from roadway cutting					
75.42 m ² , vide TMBP-27					
① Rs 88.36/m ² -Rs					6,664 = a
<u>5</u> construction of embankment with a lead up to 100m.					
195.00 m ² , vide TMBP-27					
0.819 m ² , vide TMBP-33					
195.815 m ²					
① Rs 184.30/m ² -Rs					36,089 = a
c/o Rs					81,051 = a

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F, B	81,051 = ∞
$\frac{6}{8}$ Construction of granule					
Sub-base in partially					
compacted material.					
543.94 m ² , vide TMBP-27					
(a) B 3111 = 181 m ² - B					16,92,295 = ∞
$\frac{7}{3+4+25}$ PIV & Pricing of typical					
mmbsy information					
Sign board with logo.					
02 Nos, vide TMBP-27					
01 No, vide TMBP-26					
03 Nos					
(a) B 7320 = 45/mo - B					27,761 = ∞
$\frac{8}{9}$ PIV, Leaky, spreading					
& compaction of WBM-3					
382.73 m ² , vide TMBP-27					
(a) B 3806 = 121 m ² - B					14,56,716 = ∞
$\frac{9}{13}$ Construction of Unrein					
forced plain cement					
concrete Pavement					
as per technical					
specification.					
218.16 m ² , vide TMBP-28					
(a) B 7464 = 421 m ² - B					16,28,438 = ∞
				cto B	48,86,461 = ∞

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B1 P- P5		60,91,7172
<u>14</u> 14. Construction of sub- -grade & earthen shoulder (C.C. Paving) 82.24 m ³ vide TMBP-35					
			① P5 210 = 88/m ² - B		17,343 = 00
<u>15</u> 14. Plv & laying of R.C.C. pipe dual 300mm dia across the road. 4.00 M. vide TMBP-35					
			① P5 836.67/m - B		334720
<u>16</u> 15 Plv & string of R.C.C. mis grade boundary pillars. 06 Nos, vide TMBP-35					
			① P5 503 = 00/No - B		301820
<u>17</u> 16 Plv & string of R.C.C. mis grade kilometre stones. 02 Nos, vide TMBP-35					
			① P5 2175 = 92/No - B		4352 = 00
<u>18</u> 17 Plv & string of R.C.C. mis grade 200m string 05 Nos, vide TMBP-35					
			① P5 616 = 35/No - B		3082 = 00
			① P5 61,22,859		00

Continuation

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			BIF	RS	63,44,785.00
24 26					
Brick masonry work					
in c.m. 1:3 in					
Parapet wall					
2.88 m ² side TMBP-36					
(a) Rs 6520 = 18 m ² - B					18,778.00
25 27					
plv p.c.c M-20					
architectural coping					
on the top of wall					
12.00 m ² side TMBP-37					
(a) Rs 399251 m - B					4794.00
26 28					
plastering with c.m.					
1:4 on brick wall					
20.16 m ² side TMBP-37					
(a) Rs 160 = 22 m ² - B					3230.00
				Total, Rs	63,71,587.00
Less 15.90% (bulu)				(a) Rs	10,13,082.00
				Rs	53,58,505.00
Add 12% (GST)				+ Rs	6,43,021.00
Add 1% (Less)				+ Rs	53,585.00
Add 5% Fee				+ Rs	26,649.00
				Mfr	64,462.00
				Rs	61,31,760.00
				Total, Rs	61,19,573.00
Less Provision for work				Rs	47,07,400.00
Net Payable Amount				Rs	14,12,173.00
(Rupees Fourteen Lakh, twelve thousand, one hundred & seventy three) only.					

Man
 25/04/2021 Continuation
 (J.E)
 C&P
 25/04
 BR