

1242PS Imamkhany Road To
SARVODAYA Mahal (Block-1242PS)

Measurement Book

Schedule XLV-Form No. 134

627

DIVISION

SUB-DIVISION

कार्यपालन अभियंता
ग्रन्थकोवि० (कार्य) प्रमंडल
अवल

2nd on A/c Bill

Sch. XLV-Form No. 134

12

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:- Kaurji					
Imamganj Path to					
Sawoday Nagar-					
Agency:- Amritraj Const.					
Shantikunj Baramhastham					
Patna.					
Ag. No:- 82/SB/MM/57/					
2019-20					
Date of start:- 28/01/2020					
Date of Completion:- 27/01/2020					
1) Const. of granular sub-					
base with well graded					
material - do - do -					
1x 30.00	X	4.05	X	0.20	= 24.30m ³
1x 20.00	X	4.05	X	0.20	= 16.20m ³
Total					40.50m ³
2) P.V. laying, spreading					
& Compacting of WBM III					
- do - do -					
1x 30.00	X	3.75	X	0.075	= 8.4375m ³
1x 20.00	X	3.75	X	0.075	= 5.625m ³
Total					14.0625m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3) p/v & applying primer					
Coat do-do with					
bitumen emulsion S.B. do-					
6 x 30.00 x 3.75 = 675.00 m ²					
8 x 30.00 x 3.75 = 900.00 m ²					
9 x 30.00 x 3.75 = 1012.50 m ²					
2 x 30.00 x 3.75 = 225.00 m ²					
Extra for widening.					
1 x 18.00 x $\left(\frac{10.00 + 5.60 + 3.75}{3} - 3.75\right)$					
					= 148.50 m ²
2 x 10.00 x $\left(\frac{3.75 + 5.80 + 3.75}{3} - 3.75\right)$					
					= 13.67 m ²
Total R ₁ = 2874.77 m ²					
4) p/v & applying tack coat					
with bitumen emulsion					
R ₁ - do-do -					
Qty vide item No-3					
Page No-13					
Qty = 2874.77 m ²					
5) p/v laying & rolling					
mix seal surfacing -do-do					
Qty vide item No-13					
Page no-13					
Qty = 2874.77 m ²					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6) Qty Const. of subgrade & earthen shoulder - do -					
* Adjacent to WBM					
	2 x 750	x 1.200	x 0.075		135.00 m ³
* Adjacent to G.S.B					
	2 x 750	x 1.325	x 0.200		397.50 m ³
					Total Qty = 532.50 m ³
7) Reinforced Cement Concrete					
Mis grade K.M. Stone - do -					
(i) K.M. Stone - 2.00 Nos.					
(ii) 200 M Stone - 3.00 Nos.					
8) Plu & fixing of retro-reflectorsed Cautionary and mandatory - do - do -					
(i) 600 mm equilateral & triangle -					
					Qty = 4.00 Nos
(ii) 600 mm circular.					
					Qty = 2.00 Nos.
(iii) (600 x 450) mm rectangular					
					Qty = 2.00 Nos.
9) Reinforced Cement Concrete					
Mis grade Boundary Pillar - do - do -					
					Qty = 3.00 Nos.

~~23/12/20~~

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
1					
Const. of working benchmark					
-do-do- N+M BP- B					
2.00 Nos @ Rs 8574.55/each					Rs 17159.00
2					
Const. of Reference pillar-					
-do- V+M BP- B					
6.00 Nos @ Rs 1627.69/each					Rs 9766.00
3					
Clearing & grubbing of					
Road land - do - do -					
N+M BP- B					
0.543 Hect @ Rs 49446.70/Hect					Rs 26877.00
4					
Const. of Embankment					
-do-do- 1000 m lead-					
V+M BP- B					
890.99 m ³ @ Rs 125.110/m ³					Rs 123999.00
5					
Const. of embankment-					
100 m lead - do - do -					
V+M BP- B					
1612.31 m ³ @ Rs 139.620/m ³					Rs 225111.00
6					
Const. of G.S.B. Gr. I - do - do -					
580.45 m ³ V+M BP- B					
40.50 m ³ V+M BP-					
620.95 m ³ @ Rs 1947.280/m ³					Rs 1209157.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{7}{8}$ Plv. laying & spreading WBM II - do - do -					
201.623 m ³ NT MBP-7					
14.063 m ³ NT MBP-12					
215.686 m ³ @ R 2534.73/m ³					
				R 546	708 = 00
$\frac{8}{9}$ Plv & applying Primer Coat - do - do - VTMBP-13					
2874.77 m ² @ R 40.970/m ² R 117779 =					00
$\frac{9}{10}$ Plv & applying tack Coat - do - do - VTMBP-13					
2874.77 m ² @ R 13.940/m ² R 39059 = 00					
$\frac{10}{11}$ Plv. laying & rolling closed graded mix - seal surfacing - do - do - VTMBP-13					
2874.77 m ² @ R 168.930/m ² R 483910 = 00					
$\frac{11}{12}$ Const. of subgrade & earthen shoulder - do - do - VTMBP-14					
532.50 m ³ @ R 176.750/m ³ R 94119 = 00					
$\frac{12}{14}$ Reinforced Cement Concrete M/S grade R.M Stone - do - VTMBP-14					
2.00 Nos @ R 1952.740/each R 3905 = 00					
$\frac{13}{15}$ 200 m Stone - do - do - VTMBP-14					
3.00 Nos @ R 549.410/each R 1648 = 00					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{14}{16}$ Plv 8 fixing of typical MMBs					
Informatory sign board - do -					
2.00 Nos. NTMBP-7					
1.00 Nos NTMBP-15					
3.00 Nos @ R 9081.20 / each R					27244.00
$\frac{15}{17}$ Retro reflective traffic sign.					
600 mm equilateral triangle -					
NTMBP-14					
4.00 Nos @ R 3822.429 / each R					15290.00
$\frac{16}{18}$ 600 mm circular - do -					
NTMBP-14					
2.00 Nos @ R 4949.385 / each R					9899.00
$\frac{17}{19}$ (800 x 450) mm rectangular -					
2.00 Nos @ R 4834.027 / each R					9668.00
$\frac{18}{20}$ Reinforced Cement Concrete					
M15 grade Boundary Pillar -					
8.00 Nos @ R 516.110 / each R					4129.00
$\frac{19}{22}$ Road marking with hot-applied thermoplastic -					
- do - do -					
150.00 m ² @ R 735.400 / m ² R					110310.00
$\frac{20}{24}$ E/W in excavation for structure - do -					
NTMBP-7					
37.26 m ³ @ R 260.590 / m ³ R					9710.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
20 25 Type-B first class bedding -do- -do- VTM BP-7					
4.26 m ³ @ R 449.060/m ³ R 1913.00					
22 26 Pln Pce Mis in foundation -do- -do- VTM BP-7					
3.24 m ³ @ R 4262.800/m ³ R 13812.00					
23 27 Head wall in brick Masonry -do- -do- VTM BP-7					
27.04 m ³ @ R 5495.69/m ³ R 148603.00					
24 28 Plv & laying Pce Pipe 600 mm ϕ -do- -do- VTM BP-8					
15.00 m @ R 2614.640/m R 39220.00					
25 30 plastering with C.M (1:4) -do- -do- VTM BP-8					
47.80 m ² @ R 146.070/m ² R 6982.00					
26 31 Painting on concrete/steel surfacing -do- -do- VTM BP-					
47.80 m ² @ R 126.590/m ² R 6051.00					
Total R 33,43,028.00					
Add (12%) GST (+) R 4011.63 = 00					
Add (1%) labour cen H, R 33430.00					
Total 3777621.00					
less (4%) C-1 R 377762.00					
R 3399859.00					
less for previous payment C-1 R 2042700.00					
R 1357159.00					

Continuation

23/12/20

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Continuation