

Name of work - MMDSY (SC) PMDSY रोड से लाइवियरक
दलित एका तक पथ निर्माण

Schedule XLV-Form No. 134

Danapur DIVI:

Phulwarisharif SUB-DIVI: 11

M.B No - 1472

Measurement Book

of Agency - R.S. Royal Infra Construction

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 measurements relating to each work).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

Name of Work - Const. of Five Years
Maintenance of Road from
PMBS Road to Lakshya Chatti
Dalit Tola.

Agency - R.S. Royal Infra Construction
At - Kamla Sagar H.No-129
Gandhi Nagar, Near Mahanagar
Ranchhikhetan, near Mandla
B.C. Road, Patna - 800020.

No. and Date of Agreement -

9/880/2021-2022 (2/15/25)

Date of Estimating - 15/05/22

① Clearing and grubbing of
road land do do do
all complet Take.

$10 \times 30.00 \times 7.00 = 2100.00 \text{ m}^2$

$5 \times 30.00 \times 6.50 = 975.00 \text{ m}^2$

$3 \times 30.00 \times 5.00 = 450.00 \text{ m}^2$

$1 \times 9.00 \times 5.00 = 45.00 \text{ m}^2$

Total Qty. - 3570 m^2

Prepared = 0.3570 Hec.

CH	offset	BS	IS	FS	HI	RL
TBM		1.450			101.450	100.000
0	0		1.582			99.868
0.5	-1.5		1.725			99.725

Sch. XLV-Form NO. 154					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
ABSTRACT OF COST					
for 3rd g/c belt					
① Const. of reference and working					
+ benchmark —					
0.575 km wide P-40					
@ R $\frac{11153=16}{52998+20}/\text{km}$ — R 6,413=					
② Clearing and grubbing					
2 road land —					
0.357 Hect wide P-32					
@ R $\frac{52998+20}{\text{Hect}}$ — R 18,920=					
③ Construction of embankment					
3 with soil obtained from					
borrow pits upto 1000m lead —					

$$\begin{aligned}
 & 492.887 \text{ m}^3 \text{ wide P-32} \\
 & + 6.519 \text{ m}^3 \text{ wide P-39} \\
 & = 499.406 \text{ m}^3 \\
 & @ R \frac{192=03}{\text{m}^3} \text{ — R } 95,901=
 \end{aligned}$$

④ Construction of embankment
4 with soil obtained from
borrow pits upto 100m lead —

$$\begin{aligned}
 & 709.375 \text{ m}^3 \text{ wide P-32} \\
 & + 455.907 \text{ m}^3 \text{ wide P-40} \\
 & = 1165.282 \text{ m}^3 \\
 & @ R \frac{154=58}{\text{m}^3} \text{ — R } 1,80,129=
 \end{aligned}$$

⑤ Const. of subgrade and shoulder
5 with soil obtained upto 1000m lead —

$$303.84 \text{ m}^3 \text{ wide P-32}$$

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B.F Rs 3,59,096.00
⑥ Construction of G.S.D					
6 With grading material - -					
					351.883 m ³ vid P- (32)
					+ 4.56 m ³ vid P (38)
					= 356.443 m ³
					@ Rs 2899.56 / m ³ Rs 10,33,528.00
⑦ P.V. const. of WBM					
7 grade III - -					
					131.891 m ³ vid P- (32)
					+ 1.890 m ³ vid P- (38)
					= 133.781 m ³
					@ Rs 3732.09 / m ³ - Rs 4,99,283.00
⑧ P.V. and laying, applying					
8 Primer coat with Sitem					
					emulsion (SS-1) @ 0.70 to 1.00 kg/m ²
					979.400 m ² vid P- (33)
					@ Rs 41.08 / m ² - - - Rs 40,234.00
⑨ P.V. and laying Tack coat					
9 With Sitem emulsion					
					(RS-1) @ 0.25 to 0.30 kg/m ² - -
					1017.80 m ² vid P- (33)
					@ Rs 14.01 / m ² - - - Rs 14,259.00
⑩ P.V. Mix Seal Surfacing type B					
10 P.V. laying and rolling of close					
					graded Primix Surfacing of
					20mm thickness - -

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F.R.			21,42,937 ⁰⁰
(11) Cont. of Un-reinforced					
11 Cement concrete pavement - 130					
124.659 ^{m3} vid P- (33)					
@ R 6461.39 / m ³ R 8,05,470 ⁰⁰					
(12) SIFIF Present R.C.C. M/S					
13 Ordinary K.M. Stone -					
2 Nos vid P- (40)					
@ R 2246.86 Each - R 4494 ⁰⁰					
(13) SIFIF Present R.C.C. M/S					
14 200m Stone -					
2 Nos vid P- (40)					
@ R 619.11 each - R 1238 ⁰⁰					
(14) SIFIF Present R.C.C. M/S					
15 Boundary Pillar - -					
10.00 Nos vid P- (40)					
@ R 520.12 each - R 5201 ⁰⁰					
(15) SIFIF Typical Information					
18 Sign board -					
2 Nos vid P- (33)					
+ 1 Nos vid P- (40)					
= 3 Nos					
@ R 9453.90 each - R 28,362 ⁰⁰					
(16) SIFIF Retroreflectors					
19 Traffic Sign -					
600mm dia circular					
4 Nos vid P- (40)					
@ R 4660.07 each - R 18,640 ⁰⁰					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					B.F. R. 30,04,342.00
(7) 20	600mm equilateral triangle - -				
	4 Nos. vide P- (20)				
	@ R. 3485.82 each R. 13943.28				
(8) 21	600mm x 450mm size rectangular - -				
	4 Nos. vide P- (20)				
	@ R. 4539.87 each R. 18159.28				
(9) 22	Octagonal stop sign - -				
	2 Nos. vide P- (20)				
	@ R. 8256.76 each - R. 16513.52				
(10) 23	ply and lagging of hot applied thermoplastic compound road marking on B.T. surface - - -				
	54.370 m ² vide P- (34)				
	@ R. 732.30/m ² - R. 39871.20				
(11) 24	Road marking with hot applied thermoplastic compound on C.C. surface - -				
	40.00 m ² vide P- (34)				
	@ R. 753.08/m ² - R. 30123.20				
					R. 31,24,352.00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
		B.F.R.			31,24,352-
(22) E/W in excavation 25 in foundation trench for structure					
58.230 m ³ vide P (34)					
@ R. 305.42/m ³ R 17,785-					
(23) P/W P.C.C. m/s in open 26 foundation					
5.292 m ³ vide P (34)					
@ R. 5355.25/m ³ R 28,393-					
(24) P/W P.C.C. m/s in open 27 foundation					
37.635 m ³ vide P (35)					
@ R 5847.37/m ³ R 2,20,066-					
(25) P/W P.C.C. m/s in 30 sub structure					
13.037 m ³ vide P (35)					
+ 13.04 m ³ vide P (38)					
= 26.077 m ³					
@ R. 6074.26/m ³ R 1,58,398-					
(26) P/W and laying R.C.C. NP ₃ 31 having pipe of 1000 mm dia in single row					
15.00 m ³ vide P (35)					
@ R. 3626.37/m ³ R 54,396-					
					R 36,03,390-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F R	36,03	3902
Add 12.00 %			Gr S. TR	4,32	4072
Add 1.00 %			labour cum R	36,034	
			R	40,71,831	

Calculation for Saigniorage Fee -

① P.C.C. in Substructure -

13.04 m³ vide P (38)

13.04
26.08 x 1552.17 R 776.09

② Gr. S. B - 4.56 m³ vide P (38)

4.56
385.45 x 21835.02 = R 258.33

③ W.B.M gr III - 1.89 m³ vide P (38)

1.89
157.50 x 11252.09 = R 135.03

④ E/W in Embankment

vide P (39) 1664.688 m³

vide P (38) in Subgrade - 303.84 m³

= 1968.528 m³

R 3.481/m³ R 6852.45

⑤ Reinforced Pillar & Benchmark -

0.475 Km vide P (40)

0.475
0.550 x 48.89 = R 42.22

⑥ Ordinary K.M. Stone

2 Km vide P (40)

2.00
2.00 x 28.01 = R 28.01

= R 8092.13

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F.R	40.71	831.200
			B.F.R	8092.13	
③ 200m storm - 2 Nos vid P (40)					
$\frac{2.00}{2.00} \times 4.97 R 4.97$					
⑧ Boundary pillars - 10 Nos vid P (40)					
$\frac{10.00}{10.00} \times 11.45 = R 11.45$					
⑨ Typical informative board -					
1 No. vid P (40)					
$\frac{1.00}{3.00} \times 39.33 = R 13.11$					
⑩ Retro-reflecting traffic sign					
(i) 600mm dia circular					
4 Nos vid P (40)					
$\frac{4.00}{4.00} \times 26.22 R 26.22$					
(ii) 600mm equilateral triangle					
4 Nos vid P (40)					
$\frac{4.00}{4.00} \times 26.22 R 26.22$					
(iii) 600mm x 450mm rectangular					
4 Nos vid P (40)					
$\frac{4.00}{4.00} \times 26.22 R 26.22$					
(iv) Octagonal stop sign					
2 Nos vid P (40)					
$\frac{2.00}{2.00} \times 13.11 R 13.11$					
				= 8213.43	
Add previous Signage Fee					
vid P (36) R 41.638					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					3304041 = 00
					B.F.R. 41, 21, 682 = 00
less 12.99% as agreement					507135 = 00
					B.R. 5, 35, 40620
					R. 35, 86, 27620
					3306306 = 00
less previous payment					
upto P- (21) R. 12, 02, 485 = 00					
					R. 23, 83, 791 = 00
Note - work completed					2194421 = 00
as per specification and					
available land for const.					
of road.					
22.07.2023					
DE					

13.10.23
 कार्यपालक, संवंता
 ग्रामीण कार्य विभाग
 नाय प्रमंडल, रासपुर