

H.E.A. - P.M. (S.C.)

Name of work - P.M. road & agricultural work (construction work)
to be done by the contractor for the work and for the work
of the work

17/5/21
2020-21

Measurement Book

Schedule XLV-Form No. 134

Dana Pur

DIVISION

Name of A.E. - Sri Somnath Ram Manoj

SUB-DIVISION

Agency - Sri Somnath Ram Manoj

M.B. No. -
1467

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.	
Repair of worn - Construction and 5 year maintenance					
Abroad from PMUSY					
Road to Samudayik Bhawan					
Kalika Rai lake in					
Marine block under					
PMUSY (SC).					
Agency - Mac Shyambati					
Construction					

Map - Area under repair				
Agreement No. - 12/SBD/2020-21.				
Date of agreement - 24.9.2020				
Term of completion - 9 months				
(1) Site information board - 1 Nos				
(2) Clearing and grubbing road land - -				
$1 \times 15.00m \times 5.00m = 75.00m^2$				
$7 \times 30.00m \times 4.50m = 945.00m^2$				
$1 \times 15.00m \times 5.50m = 82.50m^2$				
$5 \times 30.00m \times 5.00m = 750.00m^2$				
$3 \times 30.00m \times 4.00m = 360.00m^2$				
$1 \times 14.00m \times 5.00m = 70.00m^2$				
				2282.50m ²
$= \frac{2282.50}{10000} = 0.23 \text{ Hect}$				

Continuation

Bilt no 33-910

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work construction					
and 5 year maintenance of road					
from Pmusa Road to					
Samudayin Bhawan					
Kalika Rai Tola.					
Agency: Mca Syam pati					
Construction.					
Prof. Mun Kumar Yadav					
Agreement no- 12/533/2020-21					
Date of agreement - 24.9.2020					
Time of completion - 9 months					
① P.V. Laying @ Tack coat + white					

Site measurement (K1-1)					
① 0.25 to 0.30 kph/m ² and					
② min soil surfacing					
20 mm thick type II - -					
1x15.00m	4.80m	4.40m	$\frac{4.80^2 + 4.40^2}{2} = 69.00m^2$		
1x15.00m	4.40m	3.75m	$\frac{4.40^2 + 3.75^2}{2} = 61.125m^2$		
3x15.00m	3.75m	3.75m	$\frac{3.75^2 + 3.75^2}{2} = 168.750m^2$		
1x15.00m	3.75m	4.80m	$\frac{3.75^2 + 4.80^2}{2} = 64.125m^2$		
1x15.00m	4.80m	3.90m	$\frac{4.80^2 + 3.90^2}{2} = 65.250m^2$		
1x15.00m	3.90m	3.80m	$\frac{3.90^2 + 3.80^2}{2} = 57.750m^2$		
1x15.00m	3.80m	4.20m	$\frac{3.80^2 + 4.20^2}{2} = 57.750m^2$		

ABSTRACT OF COST of M. & C. 16

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Constn. of boundary and reference pillar —					
0.494 km vid P-①					
@ Rs 11882 = 96/km —					Rs 5870.00
② Clearing and grubbing road land —					
0.230 Hect vid P-①					
@ Rs 51151 = 75/Hect —					Rs 11767.00
③ Const. of embankment with soil obtained from borrow pits upto 100m lead —					
299.89 m ³ vid P-⑥					
@ Rs 176.86/m ³ —					Rs 53039.00
④ Const. of embankment with soil obtained from borrow pits upto 100m lead —					
699.74 m ³ vid P-⑥					
@ Rs 139.79/m ³ —					Rs 97817.00
⑤ Const. of Sub-grade and formation shoulder with soil obtained from borrow pits upto 1200m lead —					
563.55 m ³ vid P-⑦					
@ Rs 161 = 56/m ³ —					Rs 91047.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			R.F.R.	2.59	540 = cu
(6) concrete base and					
grading material					
366.66 m ² vide P (5)					
@ R 26.43.74/m ²					
				9.69	156 = cu
(7) P.V. laying, grading					
and concrete base					
aggregation - 4.00 m ² vide					
163.05 m ² vide P (6)					
@ R 3785.81/m ³					
				5.61	471 = cu

(8) P.V. primer coat with					
bitumen emulsion (K-1)					
@ 0.70 to 1.00 kg/m ² -					
1524.833 m ² vide P (12)					
@ R 4.8 = 4.6/m ² R 64.764 =					
(9) P.V. and laying base					
coat with bitumen					
emulsion (K-1) @ 0.25					
600 g/kg/m ² -					
1524.833 m ² vide P (14)					
@ R 14.243/m ² - - - R 22.003 =					
(10) P.V. laying and rolling mix					
seal surfacing - Type B -					
1524.833 m ² vide P (14)					
@ R 205.89/m ² - - - R 313.948 =					

Continuation

R 21,70.960 =

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, दानापुर

Material stations		
for 2nd gr. fill		
① Soil —	1563.	18 ^{m3}
② Stone aggregates —	481.	07 ^{m3}
③ Stone dust —	132.	90 ^{m3}
④ Stone screenings —	34.	33 ^{m3}
⑤ Stone chips —	98.	58 ^{m3}
⑥ Coarse Sand —	229.	25 ^{m3}
⑦ Bricks —	650	Nu
⑧ Bitum. emulsion (SS-1) —	1.28	61 ^{mt}
⑨ Bitum. emulsion (RS-1) —	0.41	51 ^{mt}
⑩ Bitum. — (S-90) —	2.89	21 ^{mt}