

Schedule XLV-Form No. 134

Gram Kandaap me Pradhan mantri gram sadak se
Kandaap Pakuttar Vishambhar tola tak swami vivekanand
Sing

E.E. Eng. R.W.D. WORKS - **DIVISION**

Dhaneswar Nath

Patna

Sampat Chak **SUB-DIVISION**

MEASUREMENT BOOK

M.B.No-7611



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.	construction of road				
	from Kandap pulkter				
	Bisambaspur Tolo Tak				
	Swami Vivekanand Singh				
	(Vivek Singh) Ke ghar Tak				
	Maramahi Karye under				
	Sampalelak block				
Agency -	M/s Dhakeshwar Nath				
	construction				

Agg MO -

Date of state -

Date of comp -

Date of measurement -

1) clearing & Grubbing Road

Land by (manual means)

do do - 8/1

$$2 \times 4 \times 30 \times 2.0 = 480 M^2$$

$$2 \times 5 \times 30 \times 2.0 = 600 M^2$$

$$2 \times 5 \times 30 \times 2.0 = 600 M^2$$

$$2 \times 4 \times 30 \times 2.0 = 480 M^2$$

$$2 \times 1 \times 10 \times 2.0 = 40 M^2$$

$$2200 M^2$$

Continuation

$$\frac{2200}{10000} = 0.22$$

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
② construction of granular					
Sub-base G.L.B. to do do					
- 80					
1 x 30 x 3.7 x 0.2 =					22.2 m ³
1 x 30 x 3.7 + 5.2 x 0.2 =					26.7 m ³
1 x 30 x 5.2 + 3.2 + 3.75 x 0.2 =					24.3 m ³
1 x 25 x 3.95 + 3.1 x 0.2 =					17.1 m ³
					90.3 m ³
③ @ providing & laying spreading					
& compaction stone Agg					
60 m to do do - 80					

1 x 30 x 3.7 x 0.075 =	8.325 m ³
1 x 30 x 3.7 + 5.2 x 0.075 =	10.01 m ³
1 x 30 x 5.2 + 3.2 + 3.75 x 0.075 =	29.11 m ³
1 x 25 x 3.75 + 3.1 x 0.075 =	6.42 m ³
	53.95 m ³

④	construction of dry lean				
	cement concrete to do do - 80				
	$3 \times 1.75 \times 2.1 \times 0.075 =$	0.826 m^3			
	$1 \times 2.5 \times 1.77 \times 0.075 =$	0.331 m^3			
	$5 \times 1.6 \times 2.4 \times 0.075 =$	1.44 m^3			
	$1 \times 1.55 \times 1.50 \times 0.075 =$	0.174 m^3			
	$2 \times 3.4 \times 2.1 \times 0.075 =$	1.071 m^3			
	$1 \times 2.5 \times 1.770 \times 0.075 =$	0.331 m^3			

Continuation

4.173 m³

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					B.F = 4.173 m^3
	4	$1.25 \times$	$3.0 \times$	0.075	$= 1.125 \text{ m}^3$
	1	$3.0 \times$	$3.0 \times$	0.075	$= 0.675 \text{ m}^3$
	5	$2.4 \times$	$1.70 \times$	0.075	$= 1.53 \text{ m}^3$
	2	$1.5 \times$	$2.5 \times$	0.075	$= 0.562 \text{ m}^3$
	4	$1.25 \times$	$3.0 \times$	0.075	$= 1.125 \text{ m}^3$
	1	$2.1 \times$	$2.1 \times$	0.075	$= 0.330 \text{ m}^3$
	4	$1.75 \times$	$1.25 \times$	0.075	$= 0.656 \text{ m}^3$
	3	$2.1 \times$	$1.75 \times$	0.075	$= 0.826 \text{ m}^3$
	4	$1.10 \times$	$2.20 \times$	0.075	$= 0.726 \text{ m}^3$
	5	$2.4 \times$	$1.70 \times$	0.075	$= 1.53 \text{ m}^3$
	1	$2.1 \times$	$2.1 \times$	0.075	$= 0.330 \text{ m}^3$

	5	$1.6 \times$	$2.4 \times$	0.075	$= 1.44 \text{ m}^3$
	2	$3.4 \times$	$2.1 \times$	0.075	$= 1.071 \text{ m}^3$
	1	$2.5 \times$	$1.77 \times$	0.075	$= 0.931 \text{ m}^3$
	2	$1.5 \times$	$2.5 \times$	0.075	$= 0.562 \text{ m}^3$
	5	$2.4 \times$	$1.70 \times$	0.075	$= 1.53 \text{ m}^3$
					18.34 m^3

⑤ construction of Pannel ^{concent} _{up 600}
 cement concrete — do do 600

	1	30×3	$1.7 + 3.3$	0.125	$= 12.13 \text{ m}^3$
	1	30×3.3	3.6	0.125	$= 12.93 \text{ m}^3$
	1	30×3.6	$3.5 + 3.6$	0.125	$= 13.37 \text{ m}^3$
	1	30×3.6	3.2	0.125	$= 12.75 \text{ m}^3$
					51.15 m^3

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				D.F =	51.15 M ³
1x30x		5.2 + 3.1x0.125 =			11.81 M ³
1x30x		3.1 + 3.5 + 3.75x0.125 =			12.93 M ³
1x30x		3.75 + 3.3x0.125 =			13.21 M ³
1x30x		3.3 + 3.4x0.125 =			12.56 M ³
1x30x		3.4 + 4.3 + 3.5x0.125 =			13.99 M ³
1x30x		3.5 + 5.1 + 5.2x0.125 =			17.25 M ³
1x30x		5.2 + 4.9x0.125 =			18.93 M ³
1x30x		9.4 + 1.6x0.125 =			16.68 M ³
1x20x		4.0 + 10.6 + 5.7x0.125 =			16.91 M ³
1x10x		5.7 + 19.1x0.125 =			15.5 M ³
1x6x		10x0.125 =			7.5 M ³

Ramp.	1x8x6x0.125 =	6.0 M ³
1x30x	4.3 + 4.1x0.125 =	14.25 M ³
1x30x	4.1 + 3.0x0.125 =	13.31 M ³
1x8x4.75x0.125 =	4.75 M ³	
		220.05 M ³
		225.30

② Providing & applying prime

coat (sst) do do - c/c

1x30x	3.1 + 3.75 =	102.75 M ²
1x30x	3.75 + 5.2 =	134.25 M ²
1x30x	5.2 + 3.2 + 4.6 + 3.75 =	125.6 M ²
1x25x	3.75 + 3.1 =	85.6 M ²
		448.2 M ²

③ Providing & applying prime coat (R.S.)

do do - c/c

Same qty of prime coat = 448.2 M²

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
⑩ Providing & Laying out Rolling Permix Surfacing —do—do—S/C					
Same qty of Prime coat = 448.2 m ²					
⑪ Providing & Applying tar Coat (CRS-1) —do—do—S/C					
Same qty of Premix = 448.2 m ²					
⑫ Providing & Laying semi dense bituminous coat —do—do—S/C					
1 x 30 x $\frac{3.1 + 3.75}{2} \times 0.025 = 2.56 \text{ m}^2$					
1 x 30 x $\frac{3.75 + 5.2}{2} \times 0.025 = 3.35 \text{ m}^2$					
1 x 30 x $\frac{5.2 + 3.2 + 4.6 + 3.75}{4} \times 0.025 = 3.14 \text{ m}^2$					
1 x 25 x $\frac{3.75 + 3.1}{2} \times 0.025 = 2.14 \text{ m}^2$					
					11.19 m ²
⑬ Providing & Fixing longitudinal margin & ring band —do—do—					
1 x 3 = 3 NO					

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Amount of cost					
(1) clearing & grubbing soil					
cond by manually - do - do					
- E/c					
0.22					
2.49 47m ³ (P at 1)					
@ Rs 7.5573 = 34/H ³ - B					16626 = m
(2) construction of G.S.B - do					
- do - B/c					
90.3 m ³ 47m ³ (P at 2)					
unit					
91.11 m ³ @ Rs 3444 = 29/m ³ - B					300032 = m

(3) construction of W.M.H					
- do - do - E/c					
33.95 m ³ 47m ³ (P at 3)					
unit					
32.66 m ³ @ Rs 5141 = 99/m ³ - B					167937 = m
(4) construction of dry loam					
cement concret - do - do - B/c					
18.34 m ³ 47m ³ (P at 4)					
@ Rs 4602 = 26/m ³ - B					89407 = m
(5) construction of Paved					
concret P.C.C m-30 - do - do					
230.05 m ³ 47m ³ (P at 5)					
unit					
205.95 m ³ @ Rs 8969 = 82/m ³ - B					1847834 = m

Continuation

2 2416336 = m

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
⑥ P/A Prime coat (S-1)					
— 20 — 20 — 5/1					
148.2 m ² 4 m B (P at C)					
439.85 m ² @ Rs 59 = 25.95 m ² — B 26195 = 00					
⑦ P/A track coat (R-1)					
— 20 — 20 — 5/5					
148.2 m ³ 4 m B (P at 7)					
148.2 m ³ 4 m D (P at 9)					
896.4 m ²					
896.4 @ Rs 20 = 17928 m ² — B 17850 = 00					

⑧ Providing & Laying Premix surfacing — 20 — 20 — 9/1					
148.2 m ² 4 m B (P at 8)					
439.85 m ² @ Rs 263 = 70/m ² — B 115996 = 00					
⑨ Providing & Laying Semi dense bitumias					
Conest — 20 — 20 — 9/0					
11.19 m ³ 4 m B (P at 10)					
Unit 3 @ Rs 13408 = 68/m ³ — B 147995 = 00					
11.0 m ³ @ Rs 13408 = 68/m ³ — B 134					

Continuation RF 2224322-5

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(10) Providing & Fixing Log					
mm 24 single board					
— 20 — 10 — 6/5					
03 NO 47 MO (2 at 4)					
X e B 11078 = 321 NO — B 33235 = 0					
					29,076.07 = 0
Add C. ST (+) 18 x					27 57607 = 0
					522,369 =
Add 1. L. S (+) H.					496369
					29076 = 0
Add S. f (+) R.					38929 = 0
					45056 = 0
N. 3 32048					34989812 = 0
					3505108 = 0
Less 10 r. be 10 C)					34989812 = 0
					3505108 = 0
					Ra = 2388433

					R 3154597 = 0
					R 3149083 = 0
					2988433 =
Done Jop 10/11/23					
Sub 10/11/23					
CEP					
18/11/23					

Continuation

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50-24c	2	14942200
99-24c	2	5976900
LC-14c	2	2988500
S.H. 14c	2	2988500
C.H. 14c	2	2988500
Roy MO	2	6708900
SF	2	3892900
Bychs	2	258356900
		298843300

Rural Work Department
Work Division, Patna

29/11/23

29/11/23