

Karmine Gobra RCD Road to Tolbi Bigha

11 SBD 2023-24

Below-0.311.

Schedule XIV-Form No.-134

Gobra

Angad Kr Sinha DIVISION

MMSy (FWSESH)-NDB BRPD-96 ^{Sched 96} SUB-DIVISION

MEASUREMENT BOOK

1493

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W- Construction of road from Karamine Gurua Road to Tulsi Bigha (MUSESH) Scheme.					
Agency- Anand Kumar Singh.					
P.O. Parani, P.S. Belaganj Distt. Gaya.					
Agreement No. SBD 11/2023-24					
date of Agreement- 31-01-2024					
date of completion- 30-01-2025					
below 10% 0.31%					
date of entry- 30.3.2024					
(1) setting out pillars					
providing & fixing of					
Working benchmark					
Pillars done					
1.190 km					
MUS 30/3/2024					
V.M. 30/3/2024					
(2) clearing and grubbing					
Road land. done					
$2 \times 30 \times 0.75 = 45 \text{ m}^2$					
$2 \times 10 \times 30 \times 0.75 = 450 \text{ m}^2$					
$2 \times 10 \times 30 \times 0.75 = 450 \text{ m}^2$					
$2 \times 10 \times 30 \times 0.75 = 450 \text{ m}^2$					
$2 \times 8 \times 30 \times 0.75 = 360 \text{ m}^2$					
$2 \times 1 \times 20 \times 0.75 = 30 \text{ m}^2$					

T = 1785 m²

say 0.179 Hect.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
⑥ defect entry HP culvert - 600mm φ 810 in excavation - in foundn do do H.W. $2 \times 3.90 \times 1.150 \times 1.50 = 13.455 \text{ m}^3$ Below pipe - $1 \times 5.350 \times 1.130 \times 0.345 = 2.207$ $T = 15.662 \text{ m}^3$					
⑦ 30 providing M15 grade PCC (1:2:5:5) concrete as heavy gauge in foundn do do H.W. $2 \times 3.90 \times 1.150 \times 0.150 = 1.345$ Below pipe - $1 \times 5.311 \times 1.130 \times 0.250 = 1.50 \text{ m}^3$ $T = 2.845$ less 2.845					
less pipe $0.250 \times 0.7857 \times 0.830^2 \times 5.849 = 0.791$ Total qty = 2.054 m^3					
⑧ 31 providing concrete for plain reinforced concrete in open foundn do do H.W. $2 \times 3.60 \times 0.70 \times 2.780 = 14.011$ Perimeter $2 \times 3.60 \times 0.40 \times 0.60 = 1.728$ less pipe $2 \times 0.7857 \times 0.830^2 \times 0.530 = 0.554$ $T = 15.165 \text{ m}^3$					
⑨ 32 providing & laying reinforced cement concrete NP3 pipe do do $3 \times 2.50 = 7.50 \text{ m}$					

20/10/2024
R.L.

V.K.W.
20/10/2024
Continuation
R.L.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
for C.C.P. Surface					Bf. Qty = 301.57 m ³
1 x 30 m x 3.80 + 3.75 x 0.075					= 8.482
1 x 30 m x 3.75 + 3.80 x 0.075					= 8.482
1 x 30 m x 3.80 + 3.75 x 0.075					= 8.482
1 x 30 m x 3.75 + 3.80 x 0.075					= 8.482
1 x 20 m x 3.75 x 0.075					= 5.625
Total Qty					= 341.123 m ³

11
15

Cement concrete pavement

Constⁿ of Unreinforced joint
at expansion and Constⁿ of joint
only plain cement concrete
pavement thickness

160 mm thick slab

1 x 30 m x 3.80 + 3.75 x 0.160 = 18.12 m³

1 x 30 m x 3.75 + 3.80 x 0.160 = 18.12 m³

1 x 30 m x 3.80 + 3.75 x 0.160 = 18.12 m³

1 x 30 m x 3.75 + 3.80 x 0.160 = 18.12 m³

1 x 20 m x 3.75 x 0.160 = 12 m³

T = 84.48 m³

M.H.
22/11/2024

Material cement = 81.40 = 2958.43

G.S.B. = 53.95 = 53.95 mm = 552.33 m³

9.5 = 2.36 mm = 220.932 m³

2.36 below = 331.398 m³

W.B.M. = 53 mm - 22.4 mm = 412.76 m³

stone chert = 98.93 m³

PCC M20 grade cement = 38.46 m³

stone Aggregate = 76.032 m³

PCC M15 grade cement = 7.81 m³

stone Aggregate = 15.288 m³

Continuation

M.H.
22/11/2024

V.K.
22/11/2024

Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
		Abstract of cord.				
(1)		setting out pillars				
		do also city side				
		TMB p. 1				
		idem no 1				
		1.190 km @ 4257.88/km = 5067.50				
(2)		clearing & marking				
		road along road				
		city side TMB p. 1				
		idem no 2				
		0.179 ha @ 75594.29 = 13531.2				
(3)		const ⁿ of subgrade				
4+5		main earthwork				
		with 100 m level				
		excavation for road				
		way - along				
		city side TMB p. 3				
		idem no 3				
		232.6 m ³ @ 185.83/m ³ = 43224.00				
(4)		level up to 100 cm				
5		city side TMB p. 3 idem no 3				
		489.582 m ³ @ 258.83/m ³ = 126621.00				
(6)		const ⁿ of subgrade				
7+8		earth shoulder do				
		city side TMB p. 3				
		idem - no 4				
		2074.80 m ³ @ 226.04/m ³ = 462207.00				
		Total 18650 650				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) 29				Df. Ps =	419155.3 = 0
				Earth work in foundation	
				is found to do	
				Qty vide Tm 2 p 4	
				item 6	
	15.662	m ³	@ 398.60/m ³	Rt =	6243 = 0
(12) 30					
				providing m/s grade	
				PCC (1:2.5:5) as	
				leveling course do do	
				Qty vide Tm 2 p 4	
				item no 7	
	2.054	m ³	@ 5623.34/m ³		11550 = 0
(13) 31					
				providing concrete for	
				plain reinforced	
				concrete in open foundation	
				do do -	
				Qty vide Tm 2 p 4	
				item no 8	
	15.165	m ³	@ 6034.17/m ³		91508 = 0
(14) 32					
				providing & laying	
				reinforced cement	
				concrete rip N p 3 do	
				Qty vide Tm 2 p 4	
				P-4 item no 9	
	7.50	m	@ 3192.41/m		23943 = 0
				Total Rs =	4324802

M/16
22.11.2024
TE

V/K/16
22/11/2024
DE Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		Bf	Rs	=	43,24,802=
Add Cust@18%			Rs	=	778464=
Add L. cost@1%			Rs	=	43248=0
Add S. fee :-			Rs	=	1,30,000=
			Total Rs	=	52,76,514.
22/11/2024 22.11.2024 S.E.		22/11/2024 22.11.2024 S.E.			
22/11/2024 22.11.2024 S.E.		22/11/2024 22.11.2024 S.E.			

Continuation