

Agno 33 (SBD)/2020-21
Shambhu Yadav.

Agno 33 (SBD)/2020-21

Si Kandra-Naidada PWD Road to Dighaut PMUSY-
KhaJura Road. Head- MMUSY (SC)

Measurement Book

2703

Schedule XLV-Form No. 134

R. W. D. (W) Jamui

DIVISION

Atliganj

SUB-DIVISION

MB. No. 2703

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Road → S. Kanda Nandeda					
Road to Dighant PMGSY to Khajura					
Agency - Shambhu Yadav, At -					
Bithalpur Po - Amari					
PS & Dist - Jamui					
Agreement No. → 33(SBP)/2020-21					
Agreement value → Const. Cost - Rs 89,41,497.00					
Maint. Cost - Rs 15,59,867.00					
Rs 1,04,61,364.00					
Dt of Commencement of work - 02.08.2020					
Dt of Completion of work - 06.08.2021					
① Construction of embankment with					
material obtained from borrow					
pits with a lift upto 15m temporarily					
to site spreading.					
Sl. No.	change	Area	Mean Area	Distance	Volume
1	0	2.480	-	-	-
2	10	2.490	2.485	10	248.50 m ³
3	20	2.430	2.460	10	246.00 m ³
4	30	2.420	2.425	10	242.50 m ³
5	40	4.330	3.335	10	337.50 m ³
6	50	3.780	4.055	10	405.50 m ³
7	60	4.440	4.110	10	411.00 m ³
8	70	4.560	4.500	10	450.00 m ³
9	80	4.660	4.610	10	461.00 m ³
10	90	4.700	4.680	10	468.00 m ³
					Qty = 3270.00 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ Providing & applying laying of closed graded material of 20mm thick compound of 132 units 0.9mm styrofoam paper m. (22)					5665.92 m ²
⑤ Construction of un-reinforced plain cement thickness as per design, over a prepared sub base with 43 grade cement - do do all complete work					
1x 14x 3.75 + 4.5 + 3.75					$\frac{3}{3} \times 0.160 = 8.96 \text{ m}^3$
1x 16x 3.75 + 4.05 + 3.75					$\frac{3}{3} \times 0.160 = 9.86 \text{ m}^3$
10x 30x 3.75					$\frac{3}{3} \times 0.160 = 180.60 \text{ m}^3$
1x 12x 3.75 + 4.65 + 3.75					$\frac{3}{3} \times 0.160 = 7.39 \text{ m}^3$
1x 18x 3.75 + 3.90 + 3.75					$\frac{3}{3} \times 0.160 = 10.94 \text{ m}^3$
3x 30x 3.75					$\times 0.160 = 54.10 \text{ m}^3$
1x 17x 3.75 + 4.15 + 3.75					$\frac{3}{3} \times 0.160 = 10.56 \text{ m}^3$
1x 13x 3.75 + 3.85 + 3.75					$\frac{3}{3} \times 0.160 = 7.87 \text{ m}^3$
1x 20x 3.75					$\times 0.160 = 12.10 \text{ m}^3$
					gty = 301.58 m ³
⑥ Providing cement concrete M-15 grade 100mm local stone (Kun stone)					0.3 m ³
⑦ Providing cement concrete M-15 grade 200mm stone (200 m stone)					0.8 m ³
⑧ Providing & fixing of retro-reflective cautionary mandatory 60mm equivalent height					0.8 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9) Provide & fix of 60mm circular					
	05 nos.				
(10) Provide & fix of 80mm x 60mm rectangular					
	08 nos.				
(11) Provide & fixing of 60mm x 450mm rectangular					
	05 nos.				
(12) Provide & apply of hot applied thermoplastic compound 25mm thick including reflective glass beads (Road marking on B.T.)					
	2 x 10 x 30 x 0.100 =				60.00 m ²
	2 x 10 x 30 x 0.100 =				60.00 m ²
	2 x 10 x 30 x 0.100 =				60.00 m ²
	2 x 10 x 30 x 0.100 =				60.00 m ²
					By = 300.00 m ²
(13) Road marking on C.C. Position					
	2 x 5 x 30 x 0.100 =				30.00 m ²
	2 x 5 x 30 x 0.100 =				30.00 m ²
	2 x 5 x 30 x 0.100 =				30.00 m ²
	2 x 2 x 20 x 0.100 =				08.00 m ²
	2 x 1 x 10 x 0.100 =				02.00 m ²
					By = 100.00 m ²
(14) Plt & erect by direction & place identification retro-reflectised sign board.					
	08 nos.				

AK
13/04/22
2B

Continuation

14/04/22
AE

Abstract of Cost

1)	Cleaning & Grubbing of road land				
	Qty vide Page no. (23) in TMB				
	@ 51133.76/Hq	0.70 Hq	Rs	35794.20	
2)	Construction of embankment for 1000 m length				
	Qty vide Page no. (23) in TMB				
		621.75 m ³			
	@ 175.22/m ³		Rs	1,08,943.20	
3)	Cost of embankment for (100 m length)				
	Qty vide Page no. (24) in TMB				
	@ 135.12/m ³	952.13 m ³	Rs	1,28,652.20	
4)	Const. of high grade earthen shoulders - do - do all complete work				
	Qty vide Page no. (24) in TMB				
	@ 176.86/m ³	3510.10 m ³	Rs	6,20,779.20	
5)	Construction of sub grade & earthen shoulders with approved material from borrow pits				
	Qty vide Page no. (24) in TMB				
	@ 176.86/m ³	1538.83 m ³	Rs	272,157.20	
			Rs	11,66,325.20	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F	R/S	11,66,325 = 11
(6/10) Construction construction of GSB GFI					
by providing well graded					
material spreading in					
uniform layer					
Sfty vide Page no. (24) in TMB					
@ 1473.62/m ³	1227.15 m ³			R/S	18,08,353 = 18
(7) R/V Raising of working bench					
work for as reference					
R/S					
Sfty vide Page no. (25) in TMB					
@ 32526.92/m ³	02 KM			R/S	65,054 = 65
@ 32526.92/m ³					
(8/34) R/V in excavation of found-					
ation of structure					
Sfty vide Page no. (25) in TMB					
@ 294.73/m ³	89.394 m ³			R/S	26,347 = 26
(9/35) P.C.C M-15 (1:2.5:5) in open					
foundation					
Sfty vide Page no. (25) in TMB					
@ 4720.42/m ³	13.785 m ³			R/S	65071 = 65
(10/36) P.C.C/R.C.C M-20 in sub					
structure					
Sfty vide Page no. (26) in TMB					
@ 5844.42/m ³	107.133 m ³			R/S	6,26,136 = 6
(11/37) Laying RCC NPS for culvert					
on 1st class bed of RCC M-10					
Sfty vide Page no. (26) in TMB					
@ 3372.853/m ³	22.50 m			R/S	75889 = 75
				R/S	38,33,175 = 38

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			8/P	P ₈	53,36,661 = w
(17/17) Providing, laying & rolling of closed graded premix surfacing material of 20mm thick composed of 13.2mm to 0.9mm					
Qty vide Page no. (33) in TMB					
@ 201.100/m ²	5665.92 m ²		P ₈		11,39,417 = w
(18/18) Construction of un-reinforced plain					
Cement thickness as per design					
over a prepared sub base 4B					
Grade Cement					
Qty vide Page no. (33) in TMB					
@ 6762.47/m ³	301.58 m ³		P ₈		20,39,426 = w
(19/19) Cable duct across the Road					
P/V & laying of RCC pipe duct					
300 mm dia across the road					
Qty vide Page no. (27) in TMB					
@ 1583.64/m	45.6 m		P ₈		71264 = w
(20/20) Reinforced cement concrete M15					
grade KM Stone					
Qty vide Page no. (33) in TMB					
@ 2061.94/No.	03 nos.		P ₈		6186 = w
(21/21) Reinforced cement concrete 200					
m Stone					
Qty vide Page no. (33) in TMB					
@ 594.85/m ³	08 m ³		P ₈		4759 = w
(22/22) R.C.C M-15 grade boundary Pillar					
Qty vide Page no. (25) in TMB					
@ 484.574/each	24 nos.		P ₈		11629 = w

Continuation

P₈ 86,09,342 = w

Continuation