

M.B.M.O.-3301

# Measurement Book

Shikha

## SUB-DIVISION

## DIvision

**Schedule X**  
**Form No. 134**

1. Sub Grd. No. 3301  
2. Date 10.11.1981

Date 10.11.1981. Sub Div. No. 21252021

Sub-Division  
Division  
Sub-Division  
Division

02nd year maintenance

52

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work :- Construction of road from Kanta Bazar Pajari to Palkmaliya.					
Agency :- Arnavi Construction					
Agreement no:- 725 BD/2020-21					
Date of Start :- 20.07.2020					
Date of Completion :- 30.01.22					
Date of measurement :- 30.01.24					
(1) Restoration of rain cuts/ Berms with Soil -					
$5 \times 2.30 \text{ m} \times 0.80 \text{ m} \times 0.30 \text{ m} = 2.76 \text{ m}^3$					
$3 \times 3.00 \text{ m} \times 0.80 \text{ m} \times 0.30 \text{ m} = 2.16 \text{ m}^3$					
$1 \times 4.10 \text{ m} \times 0.90 \text{ m} \times 0.30 \text{ m} = 1.11 \text{ m}^3$					
$1 \times 5.20 \text{ m} \times 0.80 \text{ m} \times 0.30 \text{ m} = 1.25 \text{ m}^3$					
$1 \times 6.70 \text{ m} \times 0.80 \text{ m} \times 0.30 \text{ m} = 1.61 \text{ m}^3$					
$1 \times 8.20 \text{ m} \times 0.80 \text{ m} \times 0.30 \text{ m} = 1.97 \text{ m}^3$					
$2 \times 16.00 \text{ m} \times 0.80 \text{ m} \times 0.30 \text{ m} = 7.68 \text{ m}^3$					
$1 \times 12.00 \text{ m} \times 0.80 \text{ m} \times 0.30 \text{ m} = 9.60 \text{ m}^3$					
Total Qty. = $21.42 \text{ m}^3$					
(2) making up of Berms					
Shoulder, Stripping -					
$6 \times 3.25 \text{ m} \times 1.00 \text{ m} = 19.50 \text{ m}^2$					
$4 \times 5.00 \text{ m} \times 0.90 \text{ m} = 18.00 \text{ m}^2$					
Total $37.50 \text{ m}^2$					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					Blf
2 X 15.00 m X 0.90 m				=	37.50 m <sup>2</sup>
1 X 11.40 m X 0.80 m				=	8.88 m <sup>2</sup>
2 X 6.00 m X 0.90 m				=	10.80 m <sup>2</sup>
					84.18 m <sup>2</sup>
					limit Qfy = 82.83 m <sup>2</sup>
③ Patch repair over bituminous surface with 20mm premix					
1 X 1.20m X 0.80m				=	0.96 m <sup>2</sup>
1 X 1.50m X 0.90m				=	1.35 m <sup>2</sup>
1.80m X 0.75m				=	1.35 m <sup>2</sup>
2 X 1.75m X 1.25m				=	6.56 m <sup>2</sup>
2 X 1.90m X 1.10m				=	4.18 m <sup>2</sup>
2 X 2.00m X 0.50m				=	2.00 m <sup>2</sup>
1 X 1.50m X 0.80m				=	1.20 m <sup>2</sup>
1 X 0.40m X 0.45m				=	0.18 m <sup>2</sup>
					17.78 m <sup>2</sup>
④ Maintenance of C/D works (Slab Culvert)					
					= 1 nos
⑤ Maintenance of Road Signs					
					= 0.11 Km
⑥ maintenance of 200m and km stones					
					= 0.14 Km
⑦ cutting of branches of trees and shrubs					
					= 1 no.



# ABSTRACT OF COST

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Restoration of raincut / Berm with Soil -					
Qty. vide TMBP (52)					
1.no :- ① = 20.04 m <sup>3</sup>					
@ Rs 386 = 14 m <sup>3</sup>					Rs 4738 = 00
② making up of berms / Shoulder, Stripping -					
Qty. vide TMBP (52)					
1.no :- ② = 82.83 m <sup>2</sup>					
@ Rs 54 = 36/m <sup>2</sup>					Rs 4751 = 00
③ Patch repair over Bituminous Surface with 20mm premix					
Qty. vide TMBP (52)					
1.no :- ③ = 17.78 m <sup>2</sup>					
@ Rs 353 = 11/m <sup>2</sup>					Rs 6278 = 00
④ maintenance of C/D mortar (Slab Culvert) -					
Qty. vide TMBP (52)					
1.no :- ④ = 1.no.					
@ Rs 2329 = 20/no.					Rs 2329 = 00
⑤ maintenance of road Signs					
⑥ @ Rs 1077 = 82/km	= 0.11 km				Rs 119 = 00
⑦ maintenance of 200m and Km Stones -					
⑧ @ Rs 628 = 24/m					
Jugis	C/I	Rs 21215 = 00			

Continuation

B/F No 21215=0

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. vide TMBP (5)					
1.no:- (6) = 0.14 Km					
@ Mr 628= 24/m					Mr 68=00
⑦ Cutting of brancher of tree and Shrub					
Qty. vide TMBP (5)					
1.no:- (7) = 1 no.					
@ Ft 109 = 74/m					Mr 110=00
⑧ Cutting of Shrub from roadway					
Qty. vide TMBP (54)					
1.no:- (8) = 5 nos.					
@ Mr 6= 73/m					Mr 34=00
⑨ Trimming of grass and weeds					
Qty. vide TMBP (54)					
1.no:- (9) = 2.70m <sup>2</sup>					
@ Mr 2= 24/m <sup>2</sup>					Mr 6=00
⑩ maintenance of tree by the road side					
Qty. vide TMBP (54)					
1.no:- (10) = 5 nos.					
@ Mr 674= 37/m					Mr 3372=00
					Mr 24825=00
Less 16.25% below (1) Mr 4034=00					
					210 Mr 207791=00

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## Material Statement

$$\text{Earth} = 27.46 \text{ m}^2$$

$$@Mr^{23} = 78/m^3 \quad Mr_653 = \infty$$

Crushed Stone agg. = 2.24 m<sup>3</sup>

$$\textcircled{2} \quad 12 \times 499 = 76 \text{ m}^2$$

$$\text{Crushed sand} = 0.50 \text{ m}^3$$

$$@ \rho r g_f = 14/m^2 \quad \rho r - 4 g = \infty$$

Bitumen (f-90) = 177.0 kg

Bitumen emulsion (Rs-1) = 25.00g

No 1821 = 00

Less below 16.25%  $\Rightarrow$   $0.796 = \infty$

18725-00

Squinib AGB

250-2A

AD Continuation