

Kochadhaman

Measurement Book

No. R...71/2021-22

Name of Road: Tene Sundarbadi

RED Road to Mala Tola via Tati
Tola,

Division - Kishanganj

Block - Kochadhaman

FDR - 2021-22

Certified that this MB Counted
(25) Twenty Five Machined
Number Pages and issued to

Sri..... Rajesh Kumar

.....AE RWD Sub-Division

Kochadhaman
.....

Executive Engineer
RWD Works Division

Kishanganj-1
30/01/21

Sch. XLV—Form No. 134

RWD (W) Kishanganj-1 DIVISION

(W) Kochadhaman SUB-DIVISION

Re-issue to JE Rakesh Kumar

[Signature]
30/01/21
AE

MEASUREMENT BOOK

No.

R. 7/ 2021-22

Name of Officer _____

Date of first entry _____

Date of last entry _____

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2X90X	1.00 =		180.00M		180.00M
1X48X	1.00 =		48.00M		
1X135	1.00 =		135.00M		
	Total:-		1772.40M		

② Supplying, fitting & fixing 62MM
to 75MM dia bamboo runners
in position at ———

2X2X30.00 =	120.00M
2X2X20.00 =	80.00M
1X2X56.00 =	112.00M
1X2X60.00 =	120.00M
2X2X25.00 =	100.00M
1X2X27.00 =	74.00M
2X2X26.00 =	104.00M
1X2X10.00 =	20.00M

1X2X20.00 =	40.00M
2X2X30.00 =	60.00M
2X2X30.00 =	120.00M
1X2X16.00 =	32.00M
1X2X45.00 =	90.00M
Total:-	1072.00M

② Supplying, fitting & fixing 62MM
to 75MM dia bamboo runners
in position at ———

2X2X30.00 =	120.00M
2X2X20.00 =	80.00M
1X2X56.00 =	112.00M
2X2X25.00 =	100.00M
1X2X27.00 =	74.00M
2X2X26.00 =	104.00M

Continuation
1X2X10.00 = 20.00M

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x2x20.00 =				40.00M	
1x2x30.00 =				60.00M	
2x2x30.00 =				120.00M	
1x2x16.00 =				32.00M	
1x2x45.00 =				90.00M	
			Total-	1072.00M	

(2) supplying, fitting & fixing 62MM to 75MM dia bamboo runners in position - - -					
2x2x30.00 =				120.00M	
2x2x20.00 =				80.00M	
1x2x56.00 =				112.00M	
1x2x60.00 =				120.00M	
2x2x60.00 =				100.00M	

1x2x25.00 =				100.00M	
1x2x37.00 =				74.00M	
2x2x26.00 =				104.00M	
1x2x10.00 =				20.00M	
1x2x20.00 =				40.00M	
1x2x30.00 =				60.00M	
2x2x30.00 =				120.00M	
1x2x16.00 =				32.00M	
1x2x45.00 =				90.00M	
			Total-	1072.00M	

(3) Filling & spreading local sand over brick bats as per drawing & formula - - -					
1x2x30.00 x $\left(\frac{1.5+1.2}{2}\right) \times \left(\frac{0.8+0.65}{2}\right)$				58.73M ²	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x2x20.00x		$\frac{1.5+1.2}{2}$		$\times \frac{(0.8+0.65)}{2}$	
				=	39.15 M ³
1x1x5.00x		$\frac{1.2+1.0}{2}$		$\times \frac{(0.8+0.65)}{2}$	
				=	44.66 M ³
1x1x60.00x		$\frac{1.2+1.0}{2}$		$\times \frac{(0.7+0.75)}{2}$	
				=	47.85 M ³
1x2x25.00x		$\frac{1.2+1.0}{2}$		$\times \frac{(0.5+0.75)}{2}$	
				=	39.88 M ³
1x1x37.00x		$\frac{1.2+1.0}{2}$		$\times \frac{(0.7+0.75)}{2}$	
				=	29.51 M ³
1x2x26.00x		$\frac{1.2+1.0}{2}$		$\times \frac{(0.6+0.9)}{2}$	
				=	42.96 M ³
1x1x10.00x		$\frac{1.2+1.0}{2}$		$\times \frac{(0.6+0.9)}{2}$	
				=	8.25 M ³
1x1x30.00x		$\frac{1.2+1.0}{2}$		$\times \frac{(0.6+0.9)}{2}$	

				=	16.50 M ³
1x1x30.00x		$\frac{1.2+1.0}{2}$		$\times \frac{(0.6+0.3)}{2}$	
				=	14.85 M ³
1x2x30.00x		$\frac{1.2+1.0}{2}$		$\times \frac{(0.3+0.3)}{2}$	
				=	29.70 M ³
1x1x16.00x		$\frac{1.2+1.0}{2}$		$\times \frac{(0.6+0.3)}{2}$	
				=	7.92 M ³
1x1x45.00x		$\frac{1.2+1.0}{2}$		$\times \frac{(0.7+0.8)}{2}$	
				=	37.13 M ³
Total:-					417.03 M ³

④ Providing laying & spreading					
brick bats in road ditches					
all complete as per ---					
1x2x30.00x		$\frac{1.5+1.2}{2}$		$\times 0.30 =$	
				=	24.30 M ³

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
1X2X20.00X	(1.5+1.2) 2			X 0.30 = 16.20 M ³
1X1X56.00X	(1.2+1.0) 2			X 0.30 = 18.18 M ³
1X1X60.00X	(1.0+1.0) 2			X 0.30 = 19.80 M ³
1X2X25.00X	(1.0+1.0) 2			X 0.30 = 16.50 M ³
1X1X35.00X	(1.2+1.0) 2			X 0.30 = 12.21 M ³
1X2X26.00X	(1.2+1.0) 2			X 0.30 = 17.16 M ³
1X1X10.00X	(1.2+1.0) 2			X 0.30 = 3.30 M ³
1X1X20.00X	(1.2+1.0) 2			X 0.30 = 6.60 M ³
1X1X30.00X	(1.2+1.0) 2			X 0.30 = 9.90 M ³
1X2X30.00X	(1.0+1.0) 2			X 0.30 = 19.80 M ³
1X1X16.00X	(1.2+1.0) 2			X 0.30 = 5.28 M ³
1X1X45.00X	(1.0+1.0) 2			X 0.30 = 14.85 M ³
				Total = 184.38 M ³

⑤ Supply of new bag with labor

for filling	for Area	EC bag
with local sand		
1X2X30.00X	0.45X1.03 =	24.68 M ³
1X2X20.00X	0.45X1.03 =	18.45 M ³
1X1X56.00X	0.45X1.03 =	25.83 M ³
1X1X60.00X	0.45X1.03 =	27.68 M ³
1X2X25.00X	0.45X1.03 =	29.06 M ³
1X1X35.00X	0.45X1.03 =	17.07 M ³
1X2X26.00X	0.45X1.05 =	24.57 M ³
1X1X10.00X	0.45X1.05 =	4.73 M ³
1X1X20.00X	0.45X1.05 =	9.45 M ³
1X1X30.00X	0.45X0.75 =	10.13 M ³
1X2X30.00X	0.45X0.75 =	20.25 M ³
1X1X16.00X	0.45X0.75 =	5.40 M ³
1X1X45.00X	0.45X1.05 =	21.26 M ³
		Total = 235.56 M ³

Continuation

Abstract of cost

① Providing bamboo piles including labour for cutting of 62mm to 75mm dia bamboo piles to size - - - - -

1772.40 M (vide TMAP-02)

@RS- 55.40 / M = RS- 98191.00/-

② supplying, fitting & driving 62mm to 75mm dia bamboo runners in position - - - - -

1072.00 M (vide TMAP-02)

@RS- 30.97 / M = RS- 33093.00/-

③ filling & spreading local sand over brkrs b/s a)

Continuation

Particulars	Quantity of material to be supplied				Contents of area
	No.	L.	B.	H.	
For 1000 m ² area -					
1. For 1000 m ² (vide map 01)					
1000 m ² @ 12.13/m ² - Rs. 12133.00/-					
2. Providing laying & spreading brick bats in road surface					
181.32 m ² (vide map 03)					
@ Rs. 2163.12/m ² - Rs. 392397.00/-					
3. Supply of New bag with labor					
supplying filling New RC bag					
with 'good sand' - 1000 m ³					
6928.00 Nos (vide map 06)					
@ Rs. 33.03/coch - Rs. 228912.00/-					
Totals Rs. 1009158.00/-					

For 1000 m ² GST 1%					121099.00/-
Add 2 1/2% C.R. for					10092.00/-
Add S. fee @ 10% of Material cost					
Calculation - - -					
ii) Brick Bats:-					
221.256 m ³ @ Rs. 1050.00/m ³					
= Rs. 232319.00/-					
iii) Local sand:-					
652.532 m ³ @ Rs. 141.85/m ³					
= Rs. 92569.00/-					
Total M. cost Rs. 324888.00/-					
S. fee @ 10% of M. cost: Rs. 32488.80/-					
Total Rs. 1170878.00/-					
12/11/21					13.11.21
NE					SE