

FDR 2245

Chauviki To Kachorra

Schedule XLV Form No. 134.

Bansaj

DIVISION

Kachorra

SUB-DIVISION

Measurement Book

1618

प्रमाणित किया जाता है कि इस कार्य
प्रकल्प में 100 (एक सौ) मन्त्रे प्राप्त है।
इस कार्य प्रकल्प में अकाउंट मॉनिटरिंग, ग्राफीक
कार्य प्रमाणित, कार्य-कार, प्रमाणित इत्यादि
निम्नलिखित किया जाता है।

Executive Engineer
Rural Works Department
Works Division, Barsoi

4/9/20

Sch. XLV-Form No. 134

Barsoi DIVISION
Kodwa SUB-DIVISION

Measurement Book

No.

Name of officer _____

Date of first entry _____

Date of last entry _____

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.	
CH - 22.45 P.D.R.					
Name of work - Restoration work of					
Chauki to Kachhwa (PART-1)					
Agency - Department					
Supplies -					
Authority -					
Date of Start -					
Date of Completion -					
Date of entry -					
Description of work -					
① providing brick ball filling, laying, spreading, including - 2/1					
$1 \times 14.50 \times \frac{(3.56 + 4.80)}{2}$					
$8.60 + 0.65 + 0.80 + 0.70 + 0.48$					
$\frac{5}{2}$					$= 39.1143$
$1 \times 12.20 \times \frac{(3.60 + 5.13)}{2}$					
$8.60 + 0.70 + 0.80 + 0.75 + 0.40 + 0.65 + 0.50$					
$\frac{7}{2}$					$= 40.6143$

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 7.50 \times \left(\frac{5.15 + 5.13}{2} \right) \times$					
$\left(\frac{0.95 + 0.90 + 1.20 + 0.90}{4} \right) =$					30.66 m^3
					1
PART (A) = 110.38 m^3					
$104.50 \times \left(\frac{5.20 + 6.98}{2} \right) \times \left(\frac{0.53 + 1.10 + 1.20 + 0.60 + 1.40 + 0.85 + 0.90 + 0.75 + 0.85 + 0.80}{10} \right)$					244.40 m^3
$142.00 \times \left(\frac{5.20 + 5.90}{2} \right) \times \left(\frac{0.60 + 0.30}{2} \right)$					236 m^3

$103.80 \times \left(\frac{4.30 + 5.12}{2} \right) \times \left(\frac{0.50 + 0.40 + 0.25 + 0.65 + 0.30}{5} \right)$					7.31 m^3
$1034.00 \times \left(\frac{4.93 + 8.68}{2} \right) \times \left(\frac{1.0 + 1.90 + 2.5 + 2.20 + 2.75 + 0.80}{6} \right)$					433.82 m^3
$1030.00 \times \left(\frac{5.04 + 6.90}{2} \right) \times \left(\frac{0.60 + 1.20 + 1.40 + 1.30 + 0.60 + 0.50}{6} \right)$					167.16 m^3
$1012.00 \times \left(\frac{4.98 + 7.80}{2} \right) \times \left(\frac{1.20 + 1.40 + 1.80 + 1.20}{4} \right)$					107.35 m^3

Continuation

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 38.40 \times \left(\frac{4.35 + 7.37}{2} \right) \times$ $(0.40 + 0.50 +$ $1.60 + 2.0 + 2.10 + 1.12 + 1.40 +$ $1.80 + 1.70 + 2.30)$ 10					$= 339.79 \text{ m}^3$
$1 \times 14.0 \times \left(\frac{5.43 + 8.11}{2} \right) \times$ $(0.60 + 0.90 + 2.10 + 1.85 + 0.75)$ 5					$= 119.26 \text{ m}^3$
$1 \times 12.0 \times \left(\frac{5.63 + 5.88}{2} \right) \times$ $(0.45 + 0.40 + 0.55 + 0.70 + 0.25$ $+ 0.20)$ 6					$= 27.82 \text{ m}^3$
$1 \times 11.0 \times \left(\frac{9.27 + 6.67}{2} \right) \times$ $(1.10 + 1.20 + 1.30 + 1.60 + 1.70 + 1.50)$ 6					$= 71.92 \text{ m}^3$
PART (D) =					558.79 m^3
$1 \times 10.0 \times \left(\frac{3.10 + 6.53}{2} \right) \times$ $(1.40 + 2.10 + 1.90 + 1.45)$ 4					$= 82.46 \text{ m}^3$
$1 \times 40.0 \times \left(\frac{3.04 + 7.65}{2} \right) \times$ $(1.10 + 1.6 + 1.95 + 1.80 + 2.0 + 3.4 + 3.8 +$ $3.2 + 2.3 + 2.6 + 1.70 + 1.20)$ 12					$= 492.63 \text{ m}^3$
Continuation					

Particulars	Details of actual measurement				Co of area
	No.	L.	B.	D.	
$1 \times 5.6 \times \left(\frac{3.20 + 4.90}{2} \right) \times \left(\frac{0.90 + 0.80}{2} \right)$					
					$= 17.21 \text{ m}^2$
$1 \times 10.0 \times \left(\frac{0.67 + 1.02}{2} \right) \times \left(\frac{0.40 + 0.30 + 0.35}{3} \right)$					$= 2.96 \text{ m}^2$
$1 \times 9.0 \times \left(\frac{0.60 + 1.40}{2} \right) \times 0.8$					$= 2.40 \text{ m}^2$
					1
					PART (E) = 597.66 m ²
$1 \times 33.8 \times \left(\frac{4.38 + 5.21}{2} \right) \times$					
$\left(\frac{0.40 + 0.50 + 0.30 + 0.35 + 0.45}{5} \right)$					$= 67.53 \text{ m}^2$
$1 \times 22.0 \times \left(\frac{4.13 + 4.75}{2} \right) \times$					
$\left(\frac{0.32 + 0.34 + 0.35 + 0.25 + 0.30}{5} \right)$					$= 30.65 \text{ m}^2$
$1 \times 9.70 \times \left(\frac{2.05 + 2.23}{2} \right) \times \frac{0.15 + 0.20}{2}$					$= 3.63 \text{ m}^2$
					1
					PART (F) = 101.81 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x26.0 x (4.08+5.09) / 2				x	
(0.35 + 0.50 + 0.60 + 0.45 + 0.35 + 0.40) / 6					
				=	60.46 m ²
1x10.0 x (4.40+4.93) / 2				x	
y (6.40 + 6.30 + 0.25 + 0.20) / 4					
				=	12.44 m ²
1x10.0 x (4.40+4.93) / 2				x	

	(	0.70 + 1.0 + 0.30 + 0.35 + 0.90)	)	
		5		= 69.22 m ³
	1 x 9.30 y	(	0.15 + 0.68)	y
		2		
		(	0.70 + 0.80 + 0.35)	)
		3		= 49.04 m ³
	PART (G) =			130.70 m ³
	Total = (A+B+C+D+E+F+G+H)			= 2905.10 m ³
	less. h-pipe			
	$\frac{3.14 \times (1.22)^2}{4} \times 15$		-	17.81 m ³
				2887.29
				m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
② Labours for driving 62mm to 75mm dia bamboo piles including cutting in proper size. etc					
Part B.					
17.70 x 4					237 m
0.3					
Part C.					
72 x 4					42 m
0.3					961 m
Part D.					
67 x 4					894 m
0.3					2092 m
③ S/F/F of bamboo 62mm to 75 dia runners at every vertical pile with nails 20 sw. g.					
Part A					
4 x 35.40					141.6 m
Part C					
4 x 144.0					576.0 m
Part D.					
4 x 134.0					536.0 m
					1253.60
④ S/F/F in position split bamboo woven chanchery with 20 sw. g.					
Part C					
1.5 x 72.0					108 m

Continuation

Scanned with CamScanner

Abstract of cost

Name of Work:- FDR Part 'A'

Temporary Restored

Name of Road:- Channki To

Kachora - Part-I

Agency:- Departmental Work

Length:- 17.200 Km

Block:- Kachwa

① 1st brick bats including

spreading, laying compacting

2887.29 m³ Q.V.T.M BP-⑥

@ Rs 1717.37/m³ - Rs. 4958545.00

② Labour for driving 62mm to

75mm dia runner

Continuation

Scanned with CamScanner

Scanned with CamScanner

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 5.10 \times \left(\frac{2.95 + 2.5}{2} \right) \times \left(\frac{0.50 + 0.60 + 0.55}{2} \right)$					
					$= 9.05 \text{ m}^3$
$1 \times 26.00 \times \left(\frac{3.50 + 6.63}{2} \right) \times \left(\frac{1.4 + 1.25}{2} \right)$					
$\left(\frac{1.30 + 1.25 + 1.90 + 2.25 + 1.25 + 1.80 + 1.35 + 1.3}{8} \right)$					
					$= 205.77 \text{ m}^3$
$1 \times 18.00 \times \left(\frac{4.0 + 7.15}{2} \right) \times \left(\frac{1.4 + 1.25}{2} \right)$					
					$= 158.08 \text{ m}^3$
$1 \times 32.00 \times \left(\frac{6.38 + 8.79}{2} \right) \times \left(\frac{1.4 + 1.25}{2} \right)$					
$\left(\frac{1.00 + 1.20 + 0.95 + 1.30 + 1.20 + 1.60 + 1.10}{7} \right)$					
					$= 293.00 \text{ m}^3$
$1 \times 9.70 \times \left(\frac{3.10 + 4.27}{2} \right) \times \left(\frac{1.4 + 1.25}{3} \right)$					
					$= 41.70 \text{ m}^3$
$1 \times 11.00 \times \left(\frac{0.75 + 1.98}{2} \right) \times \left(\frac{1.0 + 1.50 + 1.20}{3} \right)$					
					$= 16.52 \text{ m}^3$
$1 \times 12.90 \times \left(\frac{0.49 + 0.74}{2} \right) \times \left(\frac{0.50 + 0.40 + 0.35 + 0.45 + 0.60}{5} \right)$					
					$= 64.10 \text{ m}^3$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 26.0 \times \left(\frac{3.68 + 4.45}{2} \right) \times$					
$\left(\frac{0.30 + 0.33 + 0.40 + 0.42 + 0.50 + 0.41}{6} \right)$					
					$= 40.69 \text{ m}^3$
$1 \times 24.0 \times \left(\frac{3.70 + 5.99}{2} \right) \times$					
$\left(\frac{0.40 + 1.43 + 1.52 + 1.48 + 0.49}{5} \right)$					
					$= 132.95 \text{ m}^3$
$1 \times 50.0 \times \left(\frac{3.18 + 3.49}{2} \right)$					
$\times \left(\frac{0.12 + 0.15 + 0.10 + 0.19 + 0.18 + 0.20 + 0.16}{7} \right)$					$= 26.05 \text{ m}^3$
$1 \times 12.0 \times \left(\frac{4.30 + 5.98}{2} \right) \times$					
$\left(\frac{0.90 + 0.95 + 0.70 + 0.80}{4} \right)$					$= 51.66 \text{ m}^3$
$1 \times 12.40 \times \left(\frac{3.69 + 5.46}{2} \right) \times$					
$\left(\frac{1.40 + 0.95 + 0.80 + 0.75 + 1.0 + 0.90 + 0.85}{7} \right)$					$= 50.35 \text{ m}^3$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 56.0 \times \left(\frac{3.80 + 4.90}{2} \right)$					
$\left(\begin{array}{l} 0.30 + 0.60 + 0.50 + 0.65 + 0.75 + \\ 0.55 + 0.45 \end{array} \right)$					
		7			
					119.63
					1
Part (B) =					1461.49 m ²
Total Part (A+B) =					1626.29
less - 4. pipe					11.55 m ²
$\frac{3.14 \times (1.23)^2 \times 10}{4}$					11.55 m ²
					1614.74 m ²

(2) Labour for fitting canvas bag, swing, and laying materials

CH - 200 No bag

(3) Labour for driving 62mm to 75mm dia bamboo piles including cutting proper size etc.

1 x 90 = 90 m

1 x 9 = 9 m

$\frac{99 \times 4}{0.3} = 1321 m$

(4) S/P/A of bamboo 62mm to 75mm dia bamboo nearest width etc.

Part (A) 404 x 99 = 396.0 m

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑤ S/F in position spot bamboo woven channel with 20.549. e/T					
Part B.					
99.0 x 1.50					= 148.5 m.
⑥ Paving and laying of cement concrete pipe					
40 x 2.50					= 100 m.
$\begin{array}{r} \text{Acl} \\ 101474 \\ \hline 101474 \end{array}$					
$\begin{array}{r} 22 \\ 101474 \\ \hline 101474 \end{array}$					

Abstract of cost

Name of Work:- FDR/Part 'A'

Temporary Restored

Name of Road:- Chavki to

Kachora. (Part-2)

Agency :- Departmental Work

Length:- 17.20 km

Block :- Kadwa

① Providing brick bats

including spreading

laying compacting with

C.T. Hammer - E.T.

1614.41 m³ O.V.T.M.B.P. - (14)

Continuation

@ 1717.37/m³

— Rs. 2772539.00

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(2) labour for driving 62 mm to 75 mm dia bamboo pile					
200 bag @ 0.4 T.M.P.P. (14)					
@ Rs. 32.14/bag - Rs. 6428.00					
(3) labour for driving 62 mm to 75 mm dia bamboo pile					
1321 m @ 0.4 T.M.P.P. (14)					
@ Rs. 49.58/m - Rs. 65853.00					

(4) Silt of bamboo 62 mm to 75 mm dia runner					
396 m @ 0.4 T.M.P.P. (14)					
@ Rs. 24.71/m - Rs. 9785.00					
(5) Silt in position Spilt bamboo work anchary					
148.50 m @ 0.4 T.M.P.P. (14)					
@ Rs. 22.69/m - Rs. 3372.00					
(6) Providing RCC work Pipe 100 (100 mm)					
10.00 m @ 0.4 T.M.P.P. (15)					

Continuation

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B.f = 10m

4432.83/m	-P ₂	44328.00
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12.8	29928854.00
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11	8	12	7	5	8	7	⊕	48	351462.0
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Ad 1. $\text{L.C.E.S} \oplus \text{M} \cdot \underline{29289.0}$

Add 10% S. Fee	⊕	18.00	18.00
11.00			298.00

$$\begin{array}{r} 29 \\ 189 \overline{) 1891} \\ \underline{189} \\ 0 \end{array}$$