

Kadwa - Mahinagar FDR 2245

Schedule XLV-Form No. 134

Bansai DIVISION

Kadwa SUB-DIVISION

MEASUREMENT BOOK

1597

માનિત છતાં મત્રા હોઈ હસ માપી
પુસ્તિકા મેં 100 (પચ્ચસ) પન્ને માત્ર
હોઈ હસ માપી પુસ્તિકા સદાચક્ર અનિચિત્ર
ગ્રામીણ કર્મ વિભાગ કર્મ બેરક પ્રમુખ
કલ્યાણો નિર્મિત છતાં ભાત હોઈ


Executive Engineer
Rural Works Department
Works Division, Barsoi


૫-૭-૨૦

Sch. XLV—Form No. 134

Barsoi DIVISION
Kadma SUB-DIVISION

Measurement Book

No.

Name of Officer _____

Date of first entry _____

Date of last entry _____

Name of work—

1

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- 2245 F.D.R.					
Name of Work — Restoration of Work					
Kadwa to Mahingar —					
Part — 1.					
Agency — Departmental					
Supplier —					
Authority —					
Date of start —					
Date of Completion —					
Date of entry —					

Record Measurement

1. Providing Brick Bats including,
Spreading, laying, compacting with
C.I. hammer all complete. 7th

$$1 \times 22.0 \times \frac{(4.55 + 6.15)}{2} \times \frac{(0.75 + 0.95 + 0.85 + 0.65)}{4}$$

$$= 94.16 \text{ m}^3$$

$$1 \times 58.0 \times \frac{(1.50 + 8.9)}{2} \times \frac{(4.25 + 10.75)}{8} \times \frac{(2.20 + 3.10 + 3.5 + 3.2 + 3.30)}{8}$$

$$= 1423.84 \text{ m}^3$$

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 8.0 \times (4.30 + 5.29) \times (0.80 + 0.60 + 0.40 + 0.80 + 0.75 + 0.60)$	2				
				6	
					$= 18.94 \text{ m}^3$
$1 \times 4.8 \times (3.89 + 7.75) \times (1.20 + 1.40 + 3.10 + 2.20 + 1.75)$	2				
				5	
					$= 539.16 \text{ m}^3$
$1 \times 16.80 \times (4.48 + 5.93) \times (0.70 + 0.85 + 0.80 + 0.60 + 0.90)$	2				
				5	

$$= 63.40 \text{ m}^3$$

$1 \times 5.3 \times (4.0 + 3.9 + 4.10) \times (0.30 + 0.40 + 0.50 + 0.40)$	3				
				4	
					$= 84.80 \text{ m}^3$

$$\text{Part (A)} = 2224.30 \text{ m}^3$$

$1 \times 45.0 \times (4.24 + 6.59) \times (0.85 + 0.95 + 0.75 + 2.65 + 1.0 + 0.85)$	2				
				6	

$$\text{Part (B)} = 286.32 \text{ m}^3$$

Continuation

ch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 2.5 \times (4.24 + 6.28) \times (0.70 + 0.75 + 0.80$					
$\quad \quad \quad 2 \quad \quad \quad + 2.0 + 1.40 + 0.80 + 1.7$					
$\quad \quad \quad \quad \quad \quad + 0.80 + 0.90 + 0.35)$					
				10	
Part (c) -					134.13 m^2
$1 \times 7.80 \times (4.33 + 8.83) \times (1.8 + 2.4 + 1.7$					
$\quad \quad \quad 2 \quad \quad \quad + 3.3 + 2.9 + 2.1 + 1.8$					
$\quad \quad \quad \quad \quad \quad + 2.0)$					
				8	
					115.48 m^3
$1 \times 12.20 \times (4.27 + 9.30)$					
$\quad \quad \quad 2$					
$\times (0.95 + 2.90 + 2.0 + 3.0 + 1.9 + 2.1 + 2.2$					
$\quad \quad \quad + 2.10)$					
				8	
					208.49 m^3
$1 \times 9.20 \times (3.83 + 8.06) \times (0.90 + 2.0 + 2.80$					
$\quad \quad \quad 2 \quad \quad \quad + 2.1 + 3.4 + 2.5 + 1.80$					
$\quad \quad \quad \quad \quad \quad + 1.20)$					
				8	
					115.54 m^2
Part (D) -					439.51 m^2
$1 \times 8.20 \times (6.40 + 8.48) \times (0.80 + 1.30 + 0.90$					
$\quad \quad \quad 2 \quad \quad \quad + 0.95 + 1.4 + 0.95)$					
				6	
Continuation					64.06 m^3

Particulars	Details of actual measurement				Contents of area
	No.	L.	H.	D.	

$$1 \times 5.6 \times \frac{(4.8 + 6.3)}{2} \times (10.80 + 9.25) = 24.09 \text{ m}^3$$

$$1 \times 2.8 \times \frac{(1.04 + 1.58)}{2} \times (10.80 + 9.25) = 2.82 \text{ m}^3$$

$$1 \times 12.0 \times \frac{(1.8 + 3.49)}{2} \times (11.40 + 10.8 + 1.6) = 50.21 \text{ m}^3$$

$$1 \times 4.60 \times \frac{(3.10 + 4.18)}{2} \times (1.20 + 1.50 + 1.8) = 22.33 \text{ m}^3$$

$$1 \times 9.0 \times \frac{(1.60 + 2.92)}{2} \times (1.8 + 1.6 + 1.3) = 22.80 \text{ m}^3$$

$$\text{Part (E)} = 191.31 \text{ m}^3$$

$$1 \times 5.10 \times \frac{(8.60 + 9.28)}{2} \times (10.45 + 10.80) = 9.79 \text{ m}^3$$

$$1 \times 4.10 \times \frac{(3.10 + 4.25)}{2} \times (11.0 + 1.60) = 18.58 \text{ m}^3$$

Continuation

S.C. XLV - Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
$1 \times 1.6 \times \frac{(2.9 + 3.95)}{2} \times \frac{(1.90 + 1.20)}{2}$					
					$= 5.75 \text{ m}^3$
$1 \times 1.40 \times \frac{(3.75 + 6.48)}{2} \times \frac{(1.40 + 1.50 + 1.20)}{3}$					
					$= 79.69 \text{ m}^3$
$1 \times 2.50 \times \frac{(3.75 + 6.39)}{2} \times \frac{(1.0 + 1.20 + 2.10 + 1.30 + 1.0)}{5}$					
					$= 150.58 \text{ m}^3$
$1 \times 5.50 \times \frac{(3.40 + 4.05)}{2} \times \frac{(0.65 + 0.85)}{2}$					
					$= 17.12 \text{ m}^3$
$1 \times 2.70 \times \frac{(4.80 + 5.55)}{2} \times 0.75$					$= 10.48 \text{ m}^3$
$1 \times 6.0 \times \frac{(3.4 + 4.05)}{2} \times 0.65$					$= 14.53 \text{ m}^3$
$1 \times 4.0 \times \frac{(3.60 + 4.28)}{2} \times \frac{(0.70 + 0.65)}{2}$					
					$= 10.64 \text{ m}^3$
$1 \times 7.5 \times \frac{(3.45 + 5.20)}{2} \times \frac{(1.6 + 1.9 + 1.75)}{3}$					
					$= 56.77 \text{ m}^3$
$1 \times 2.10 \times \frac{(5.10 + 5.75)}{2} \times 0.65$					$= 7.41 \text{ m}^3$

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
$1 \times 3.2 \times \frac{(3.6 + 4.20)}{2} \times \frac{(0.65 + 0.55)}{2}$					
					$= 7.49 \text{ m}^3$
$1 \times 3.0 \times \frac{(3.6 + 4.28)}{2} \times \frac{(0.65 + 0.70)}{2}$					
					$= 7.98 \text{ m}^3$
$1 \times 2.4 \times \frac{(5.80 + 6.20)}{2} \times 0.4$					$= 5.76 \text{ m}^3$
$1 \times 2.5 \times \frac{(5.6 + 5.9)}{2} \times 0.2$					$= 4.31 \text{ m}^3$
$1 \times 10.0 \times \frac{(2.95 + 3.90)}{2} \times \frac{(0.85 + 1.80 + 0.70)}{3}$					
					$= 32.54 \text{ m}^3$
$1 \times 5.1 \times \frac{(3.3 + 3.88)}{2} \times \frac{(0.55 + 0.60)}{2}$					
					$= 10.53 \text{ m}^3$
$1 \times 4.40 \times \frac{(2.78 + 3.53)}{2} \times \frac{(0.65 + 0.85)}{2}$					
					$= 10.41 \text{ m}^3$
$1 \times 4.10 \times \frac{(2.9 + 3.68)}{2} \times \frac{(0.80 + 0.75)}{2}$					
					$= 10.45 \text{ m}^3$
part - (F)					420.81 m^3

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 10.0 \times \frac{(4.10 + 6.09)}{2} \times (0.20 + 1.30$					
$+ 0.95 + 0.80 + 1.70 + 1.20 + 0.60 + 0.20)$					
			8		
					$= 50.63 \text{ m}^3$
$1 \times 7.0 \times \frac{(2.75 + 6.44)}{2} \times (1.6 + 0.9 + 1.5$					
$+ 0.85 + 1.20 + 1.9 + 1.1 + 1.2)$					
			8		
					$= 47.92 \text{ m}^3$
$1 \times 27.0 \times \frac{(4.08 + 6.66)}{2} \times (0.95 + 0.75$					
$+ 2.5 + 1.3 + 0.95)$					
			5		
					$= 187.04 \text{ m}^3$
Part (h) -					285.59 m^3
Total - (A+B+C+D+E+F+h) =					4031.97 m^3
(2.) Labour for filling Cement Bag +					
Suing and laying material (Phase-II)					
$(53 \times \frac{(0.5 + 0.9)}{2}) \times 4.5 = 1132.875 \text{ m}^3$					
1132.875					$= 33,319.85$
0.034					Bags.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3.) Construction of embankment with approved material obtained from borrow pits					
(Phase - II)					
$1 \times \frac{50.43}{2} \times (4.20 + 29.33) \times (5.3 + 6.9 + 6.8 + 5.20 + 7.20 + 5.80)$					
					$= 5583.02 \text{ m}^3$
(4) Labour for driving 62 mm to 75 mm dia Bamboo piles including cutting to 12 metre size					

Part (A)					
$1 \times \frac{116 \times 4}{0.30} = 1548 \text{ m}$					
Part (D)					
$1 \times \frac{15.0 \times 4}{0.30} = 201.0 \text{ m}$					
Part (E)					
$1 \times \frac{45.5 \times 4}{0.30} = 608.0 \text{ m}$					
					$0+4 = 2357 \text{ m}$

(5) Supplying fitting and fixing of bamboo 62 mm to 75 mm dia runners					
Part (A) - $4 \times 116.0 = 464.0 \text{ m}$					
Part (D) - $4 \times 15.0 = 60.0 \text{ m}$					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
Part (E) - 4 x 15.50					62.00 m
				area	586.00 m
(6.) Supplying fitting and fixing in position split bamboo chanchary with complete job					
Part (A)					
116.00 x 1.50					174.00 m ²
Part (D) 15.00 x 1.50					22.5 m ²
Part (E) 45.50 x 1.50					68.25 m ²
				area	264.75 m ²
Ad 10/4/17 GE					

Name of work - For Part 'A'
Temporary road

Name of Road - Kadwa to
Mahinagar - part - A

Agency - Departmental work

Length - 20.575 Km

Block - Kadwa

① Plu brick batt including

spreading, laying course

with C.P. Hammer — 100

4031.97 m³ B.R.T.M.B.P. ①

@ Rs 1717.37/m³ Rs - 6924384.00

② Labour for fitting corner

Continuation

Continuation

Particulars	Details of actual measurement			Certificate of area
	No.	L.	B.	
CH - 2045 F.D.R.				
Name of work - Restoration of				
water ponding to Mahanagar				
Part - 2				
Agency - Departmental				
Supplier -				
Authority -				
Date of start -				
Date of completion -				
Date of entry -				

Reamed Measurement

(1) Providing brick bats including
Spreading, laying, compacting with
0.5 hammer

1 x 7 x 0 x (5.45 + 4.51) x (0.50 + 0.55 + 0.65)	
2	40.50 + 0.45
	14.75 m ³
1 x 15.0 x (3.46 + 4.45) x (0.65 + 0.85 + 0.90)	
2	180 + 0.85 + 0.50
6	51.05 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
$1 \times 9.80 \times \frac{(3.45 + 4.45)}{2} \times \frac{(0.50 + 0.40 + 0.60)}{3}$					
					$= 19.36 \text{ m}^3$
part (A) -					85.18 m^3
$1 \times 22.0 \times \frac{(5.06 + 7.18)}{2} \times \frac{(0.70 + 0.95 + 2.10 + 1.0 + 0.95 + 1.20 + 0.50)}{7}$					
					$= 142.33 \text{ m}^3$
$1 \times 13.0 \times \frac{(4.6 + 7.12)}{2} \times \frac{(0.80 + 1.20 + 0.90 + 1.65 + 1.20 + 1.30)}{6}$					
					$= 95.86 \text{ m}^3$
$1 \times 10.0 \times \frac{(4.95 + 7.80)}{2} \times \frac{(1.40 + 1.45 + 1.30 + 1.40 + 1.60 + 1.35)}{6}$					
					$= 90.81 \text{ m}^3$
$1 \times 17.20 \times \frac{(5.0 + 7.30)}{2} \times \frac{(0.90 + 1.20 + 1.50 + 1.20 + 1.10 + 1.0)}{6}$					
					$= 139.33 \text{ m}^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
$1 \times 6.50 \times \frac{(4.25 + 5.13)}{2} \times \frac{(0.35 + 0.35 + 0.55)}{4}$					
					$+ 0.50$
					$= 13.34 \text{ m}^3$
$1 \times 11.40 \times \frac{(5.05 + 2.58)}{2} \times \frac{(0.90 + 1.10 + 1.70 + 1.40 + 1.50 + 1.0)}{6}$					
					$= 91.19 \text{ m}^3$
$1 \times 9.50 \times \frac{(5.43 + 8.18)}{2} \times \frac{(1.4 + 1.4 + 1.35 + 1.45 + 1.45 + 1.2)}{6}$					
					$= 88.89 \text{ m}^3$
$1 \times 8.70 \times \frac{(5.15 + 6.22)}{2} \times \frac{(0.50 + 0.65 + 0.45)}{3}$					
					$= 26.38 \text{ m}^3$
$1 \times 3.8 \times \frac{(4.40 + 5.35)}{2} \times \frac{(0.50 + 0.45)}{2}$					
					$= 8.80 \text{ m}^3$
$1 \times 11.0 \times \frac{(4.20 + 5.92)}{2} \times \frac{(0.80 + 0.95 + 0.75 + 0.85 + 1.20 + 0.65)}{6}$					
					$= 48.29 \text{ m}^3$
Continuation					
Total (B) =					244.72 m^3

Continuation

Kadwa - Mahinagar FDR 2245

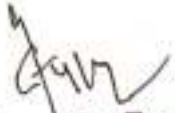
Schedule XLV-Form No. 134

Bassai DIVISION

Kadwa SUB-DIVISION

MEASUREMENT BOOK 1597

आजित छ्या सप्ता हो छ इस मापी
पुस्तिका मे 100 (एक सौ) पन्ने मात्र
हो इस मापी पुस्तिका सहायक अभियंता
ग्रामीण कार्य विभाग को अवर प्रमोडल
कवाको निगम छ्या जाता हो


Executive Engineer
Rural Works Department
Works Division, Barsoi

6/5/20

Sch. XLV—Form No. 134

Barsoi DIVISION
Kadma SUB-DIVISION

Measurement Book

No.

Name of Officer _____

Date of first entry _____

Date of last entry _____

KADWA - Mahinagar FDR 2245

Schedule XLV-Form No. 134

Barai

DIVISION

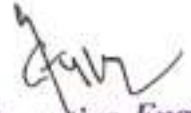
Kadwa

SUB-DIVISION

MEASUREMENT BOOK

1597

प्रमाणित किया जाता है कि इस मापी
पुस्तिका में 100 (एक सौ) पन्नें मात्र
हैं। इस मापी पुस्तिका सहायक अभियंता
ग्रामीण कार्य विभाग, कार्य क्षेत्र प्रमंडल
कदवा को निगित किया जाता है।


Executive Engineer
Rural Works Department
Works Division, Barsoi


4-9-20

Sch. XLV—Form No. 134

Barsoi DIVISION
Kadwa SUB-DIVISION

Measurement Book

No.

Name of Officer _____

Date of first entry _____

Date of last entry _____

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH. 2245 A.D.R.					
Name of work — Restoration of					
work leading to Makinagar					
Part — III (3)					
Agency — Department of					
Supplier —					
Authority —					
Grade of work —					
Date of completion —					
Date of survey —					

Record Measurement

1. Perimeter for the field including spreading, laying and compaction with a. hammer

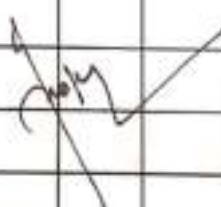
$$1 \times 8.0 \times (4.0 + 5.0) \times 0.80 = 21.76 \text{ m}^2$$

$$1 \times 5.8 \times (4.5 + 5.0) \times 0.70 = 19.01 \text{ m}^2$$

$$1 \times 49.6 \times (4.03 + 5.51) \times (1.04 + 1.40 + 1.80 + 1.20) = 248.92 \text{ m}^2$$

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of work
	No.	L	B.	D.	
Name of work:-	P.D. PART 1				
	Temporary Reformed				
Name of Road:-	Kadwa to				
	Mahinagar PART-3				
Agency:-	Departmental work				
length:-	20.575 km				
Block:-	Kadwa				
① P.V brick bats including					
spreading laying					
compacting with CI					
Hammer — 60					
561.89 m ³ S.T.M.B.P. (15)					
@ Rs 1717.37/m ³ Rs - 964973.10					
Rs - 964973.10					
Add 12% C.S. + ④ Rs - 115797.10					
Add 1% C. (R) ④ Rs - 9250.00					
Add 10% S-Pec ④ Rs - 7170.10					
Rs - 1162120.10					
					
Add 1814/12 65					

Continuation