

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 (પચ્ચસો) પન્ને માત્ર
હોઈ હસ માપી પુસ્તિકા સંદાનુ અનિચિત
ગ્રામીણ કમિશન કમિશન બેરક પ્રમુખ
કલ્યાણ નિર્માણ છતાં માત્ર હોઈ


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 _____

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					
Kachwa 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. 200

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

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

$$1 \times 58.0 \times \frac{(4.25 + 10.75)}{2} \times \frac{(2.20 + 3.10 + 3.50 + 3.20 + 3.30)}{8}$$

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

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	
					$= 539.16 \text{ m}^3$
$1 \times 6.80 \times (4.48 + 5.93) \times (0.70 + 0.85 + 0.80 + 0.60 + 0.90)$	2				
				5	

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

Part - II (55013)

$$1 \times 5.3 \times (4.0 + 3.9 + 4.10) \times (0.30 + 0.40 + 0.10 + 0.40)$$

4

$$= 84.80 \text{ m}^3$$

Part (A)

$$= 2224.30 \text{ m}^3$$

$$1 \times 45.0 \times (4.24 + 6.59) \times (0.85 + 0.35 + 0.75 + 2.65 + 1.0 + 0.85)$$

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
$1 \times 9.20 \times (2.83 + 8.06) \times (0.90 + 2.0 + 2.80$					
$\quad \quad \quad 2 \quad \quad \quad + 2.1 + 3.6 + 2.5 + 1.80$					
$\quad \quad \quad \quad \quad \quad + 1.20)$					
				8	
					115.54 m^3
Part (D) -					439.51 m^3
$1 \times 8.20 \times (6.40 + 8.48) \times (0.80 + 1.30 + 0.90$					
$\quad \quad \quad 2 \quad \quad \quad + 0.95 + 1.4 + 0.95)$					
				6	
Continuation					64.06 m^3

Sub. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 5.6 \times \frac{(4.8+6.3)}{2} \times \frac{(10.80+0.90)}{2}$					$= 24.09 \text{ m}^3$
$1 \times 2.8 \times \frac{(1.04+1.58)}{2} \times \frac{(0.50+0.65)}{2}$					$= 2.82 \text{ m}^3$
$1 \times 12.0 \times \frac{(1.18+3.43)}{2} \times \frac{(1.40+1.8+1.6)}{3}$					$= 50.21 \text{ m}^3$
$1 \times 4.60 \times \frac{(3.0+4.18)}{2} \times \frac{(1.20+1.50+1.8)}{3}$					$= 22.38 \text{ m}^3$
$1 \times 9.0 \times \frac{(1.80+2.92)}{2} \times \frac{(1.2+1.6+1.8)}{3}$					$= 22.80 \text{ m}^3$
Part (E) =					191.31 m^3
$1 \times 5.10 \times \frac{(6.56+9.28)}{2} \times \frac{(0.45+0.50)}{2}$					$= 9.29 \text{ m}^3$
$1 \times 4.10 \times \frac{(3.0+4.15)}{2} \times \frac{(1.18+1.40)}{2}$					$= 18.58 \text{ m}^3$
Continuation					

SCL XLV - Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
$1 \times 1.6 \times \frac{(2.9 + 3.95)}{2} \times \frac{(1.90 + 1.20)}{2}$					
					$= 5.75 \text{ m}^3$
$1 \times 1.40 \times \frac{(3.75 + 6.48)}{2} \times \frac{(1.40 + 1.50 + 1.20)}{3}$					
					$= 79.69 \text{ m}^3$
$1 \times 2.50 \times \frac{(3.35 + 6.39)}{2} \times \frac{(1.0 + 1.20 + 2.10 + 1.30 + 1.0)}{5}$					
					$= 150.58 \text{ m}^3$
$1 \times 5.50 \times \frac{(3.40 + 4.05)}{2} \times \frac{(0.65 + 0.85)}{2}$					
					$= 17.12 \text{ m}^3$
$1 \times 2.70 \times \frac{(4.80 + 5.55)}{2} \times 0.75$					$= 10.48 \text{ m}^3$
$1 \times 6.0 \times \frac{(3.4 + 4.05)}{2} \times 0.65$					$= 14.53 \text{ m}^3$
$1 \times 4.0 \times \frac{(3.60 + 4.28)}{2} \times \frac{(0.70 + 0.65)}{2}$					
					$= 10.64 \text{ m}^3$
$1 \times 7.5 \times \frac{(3.45 + 5.20)}{2} \times \frac{(1.6 + 1.9 + 1.75)}{3}$					
					$= 56.77 \text{ m}^3$
$1 \times 2.10 \times \frac{(5.10 + 5.75)}{2} \times 0.65$					$= 7.41 \text{ m}^3$

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	C.	B.	D.	
$1 \times 3.2 \times \frac{(3.6 + 4.20)}{2} \times \frac{(0.65 + 0.55)}{2}$					
					$= 7.49 \text{ m}^3$
$1 \times 3.0 \times \frac{(3.6 + 4.28)}{2} \times \frac{(0.65 + 0.70)}{2}$					
					$= 7.98 \text{ m}^3$
$1 \times 2.4 \times \frac{(5.80 + 6.20)}{2} \times 0.4$					$= 5.76 \text{ m}^3$
$1 \times 2.5 \times \frac{(5.6 + 5.9)}{2} \times 0.3$					$= 4.81 \text{ m}^3$
$1 \times 10.0 \times \frac{(2.95 + 3.90)}{2} \times \frac{(0.85 + 1.80 + 0.70)}{3}$					
					$= 32.54 \text{ m}^3$
$1 \times 5.1 \times \frac{(3.3 + 3.88)}{2} \times \frac{(0.55 + 0.60)}{2}$					
					$= 10.53 \text{ m}^3$
$1 \times 4.40 \times \frac{(2.78 + 3.53)}{2} \times \frac{(0.65 + 0.85)}{2}$					
					$= 10.41 \text{ m}^3$
$1 \times 4.10 \times \frac{(2.9 + 3.68)}{2} \times \frac{(0.80 + 0.75)}{2}$					
					$= 10.45 \text{ m}^3$
put - (F)					470.81 m^3

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 10.0 \times (4.10 + 6.09) \times (0.20 + 1.30$					
		2			
$+ 0.95 + 0.80 + 1.70 + 1.20 + 0.60 + 0.20)$					
		8			
					$= 50.63 \text{ m}^3$
$1 \times 7.0 \times (2.75 + 6.44) \times (1.6 + 0.9 + 1.5$					
		2			
$+ 0.85 + 1.20 + 1.9 + 1.1 + 1.2)$					
				8	
					$= 47.92 \text{ m}^3$
$1 \times 22.0 \times (4.08 + 6.66) \times (0.95 + 0.75$					
$+ 2.5 + 1.3 + 0.95)$					
				5	
					$= 187.04 \text{ m}^3$
					$\text{Part (h)} = 285.59 \text{ m}^3$
$\text{Total} - (A + B + C + D + E + F + G) = 4031.97$					m^3
(2.) Labour for filling Cement Bag.					
Suing and laying material (Phase II)					
$(53 \times (0.5 + 0.9) \times 4.5 = 1132.875 \text{ m}^3)$					
		2			
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)					
$1 \times \frac{(50+3)}{2} \times (4.20+29.33) \times (5.8+6.9+6.8+5.20+7.20+5.80)$					
					$= 5583.02 \text{ m}^3$
(4) Labour for driving 62 mm to 75 mm dia bamboo piles including cutting to in proper 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

Sch. XLV—Form No. 134

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 chanchery 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 Plv brickbat including

spreading lapping course

with C.E Hammer — 100

4031.97 m³ B.R.F.M.B.P. ②

@ Rs 1717.37/m³ Rs - 6924384.00

② Labour for fitting corner

Continuation

Continuation

Particulars	Details of actual measurement				Quantity of work
	No.	L	B	D	
CH- 2245 F.D.R.					
Name of work - Restoration of					
water conduits to Mahabagar					
Part - 2					
Agency - Departmental					
Supplier -					
Authority -					
Date of start -					
Date of completion -					
Date of entry -					

Rebund Measurement

(1.) Providing brick bats including spreading, laying compacting with O.T. hammer

1 x 7 x 10 x (8.45 + 4.51) x (0.50 + 0.51 + 0.65)	
2	10.50 + 0.45
	14.75 m ³
1 x 15 x 10 x (9.46 + 4.45) x (0.65 + 0.85 + 0.90)	
2	18.00 + 0.85 + 0.50
	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
$1 \times 22.0 \times \frac{(5.06 + 7.18)}{2} \times \frac{(0.70 + 0.95 + 2.10 + 1.0 + 0.95 + 1.20 + 0.50)}{7}$					
					$= 142.33 \text{ m}^3$
$1 \times 13.0 \times \frac{(4.6 + 7.12)}{2} \times \frac{(0.80 + 1.20 + 0.90 + 1.65 + 1.70 + 1.30)}{6}$					
					$= 95.86 \text{ m}^3$
$1 \times 10.0 \times \frac{(4.95 + 7.80)}{2} \times \frac{(1.40 + 1.45 + 1.30 + 1.40 + 1.60 + 1.35)}{6}$					
					$= 90.81 \text{ m}^3$
$1 \times 19.70 \times \frac{(5.0 + 7.30)}{2} \times \frac{(0.90 + 1.20 + 1.50 + 1.20 + 1.10 + 1.0)}{6}$					
					$= 139.33 \text{ m}^3$

Continuation

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

Continuation

Total (B) = 244.72 m^3

Continuation

Kadwa - Mahinagar FDR 2245

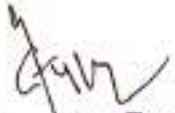
Schedule XLV-Form No. 134

Bassi DIVISION

Kadwa SUB-DIVISION

MEASUREMENT BOOK 1597

आजित झा सभा दी कि इस मापी
पुस्तिका में 100 (एक सौ) पन्ने मात्र
हैं। इस मापी पुस्तिका सहायक अभियंता
ग्रामीण कार्य विभाग, कार्य और प्रमोडल
उत्पादों विभाग द्वारा बनाई है।


Executive Engineer
Rural Works Department
Works Division, Barsal

6/5
11-9-20

Sch. XLV—Form No. 134

Barsal 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

Barrai

DIVISION

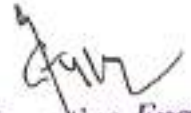
Kadwa

SUB-DIVISION

MEASUREMENT BOOK

1597

જાણિત હિસા મળા છે કે સ્થાપતી
પુસ્તકમાં 100 (પચ્ચસ) પાનાં માત્ર
છે. સ્થાપતી પુસ્તક સંસ્થાપક મંત્રાલય
ગ્રામીણ કાર્ય વિભાગ દ્વારા બેરસાઈ
કાંડવા કો ગિરિ હિસા મળા છે


Executive Engineer
Rural Works Department
Works Division, Barsai

૬
૫-૬-૨૦

Sch. XLV—Form No. 134

Barsai DIVISION
Kadwa SUB-DIVISION

Measurement Book

No.

Name of Officer _____

Date of first entry _____

Date of last entry _____

Particulars	Dimensions of actual measurement				Contents of area
	No.	L.	B.	D.	

CH. 2245 S.O.R.

Name of work - Restoration of

work leading to Mangrove

Part - III (3)

Agency - Department of

Supplier -

Authority -

Grade of work -

Date of completion -

Date of entry -

Record Measurement

1. Perimeter fence built including spreading, laying and compacting with a hammer

$$188.0 \times (4.0 + 5.3) \times 0.80 = 91.96 m^3$$

$$185.6 \times (4.5 + 5.25) \times 0.20 = 19.01 m^3$$

$$1849.6 \times (4.03 + 5.51) \times (1.20 + 1.60 + 1.80 + 1.20) = 398.92 m^3$$

$$1849.6 \times (4.03 + 5.51) \times (1.20 + 1.60 + 1.80 + 1.20) = 398.92 m^3$$

$$1849.6 \times (4.03 + 5.51) \times (1.20 + 1.60 + 1.80 + 1.20) = 398.92 m^3$$

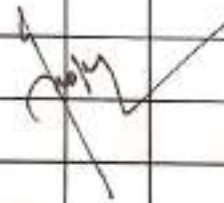
Continuation

Functions	Details of related measurements			Contents of area
	No.	L.	B.	D.
$1 \times 3.50 \times (3.88 + 4.48)$	1			$\times (0.55 + 0.65)$
				$= 8.98 \text{ m}^2$
$1 \times 11.20 \times (3.95 + 4.65)$	2			$\times (0.65 + 0.90)$
				$= 92.93 \text{ m}^2$
$1 \times 10.0 \times 8.25 \times (0.65 + 0.55)$	2			$= 92.50 \text{ m}^2$
$1 \times 3.0 \times 3.20 \times 0.40$				$= 3.84 \text{ m}^2$
$1 \times 2.0 \times 3.20 \times 0.45$				$= 2.88 \text{ m}^2$
$1 \times 14.0 \times (0.53 + 0.24) \times (0.60 + 0.65)$	2			$+ 0.50 \times 0.60 \times 0.60$
				$+ 0.62$
				$= 41.41 \text{ m}^2$
$1 \times 9.24 \times (4.65 + 5.45) \times (0.80 + 0.85)$	2			$= 13.91 \text{ m}^2$
$1 \times 3.40 \times (4.55 + 4.28) \times (0.85 + 0.90)$	2			$+ 0.85 \times 0.85$
				$= 93.40 \text{ m}^2$
				$= 581.89 \text{ m}^2$

Continued

$\frac{4.4}{10.974}$
 $\frac{21}{10.974}$
 10/9/14
 10

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:-					PDR PDR 101
					Temporary Relieved
Name of Road:-					Kadwa to
					Mahinagar PART-3
Agency:-					Departmental work
Length:-					20.575 km
Block:-					Kadwa
① PU brick bats including					
sprawling laying					
compacting with J					
Hammer — E.P.					
561.89 m ³ B-T-M.R.P. (B)					
@ Rs 1717.37/m ³ Rs - 964973.10					
Rs - 964973.10					
Add 12% C ₂ S + ④ Rs - 115797.10					
Add 1% L.C. (Rs) (Rs) - 9250.00					
Add 50% S-Peo (Rs) - 7170.10					
Rs - 1162120.10					
					
Ad 18/4/19 GE					

Continuation