

Kadwa - Mahinagar FDR 2245

Schedule XLV-Form No. 134

Bassei DIVISION

Kadwa SUB-DIVISION

MEASUREMENT BOOK

1597

Name of work—
 Situation of work—
 Agency by which work is executed—
 Date of measurement—
 No. and date of agreement.

1

(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 job

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

4

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

$$1 \times 58.0 \times \frac{(4.25 + 10.78)}{2} \times (2.20 + 3.10 + 3.50 + 3.70 + 3.50 + 4.00 + 3.20 + 3.30)$$

8

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

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	
					$= 18.94 \text{ m}^3$
$1 \times 48 \times (3.89 + 7.75) \times (1.20 + 1.40 + 3.10 + 2.20 + 1.75)$		2		5	
					$= 539.16 \text{ m}^3$
$1 \times 16.80 \times (4.48 + 5.93) \times (0.70 + 0.85 + 0.80 + 0.60 + 0.70)$		2		5	
					$= 63.40 \text{ m}^3$

Part - II

$1 \times 53 \times (4.0 + 3.9 + 4.10) \times (0.30 + 0.40 + 0.50 + 0.40)$		3		4	
					$= 84.80 \text{ m}^3$
Part (A)					$= 2224.30 \text{ m}^3$

$1 \times 45.0 \times (4.24 + 6.59) \times (0.85 + 0.95 + 0.75 + 2.65 + 1.0 + 0.85)$		2		6	
					$= 286.32 \text{ m}^3$
Part (B)					$= 286.32 \text{ m}^3$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 2.5 \times (4.24 + 6.28) \times (0.70 + 0.75 + 0.80 + 2.0 + 1.40 + 0.80 + 1.7 + 0.80 + 0.90 + 0.35)$				10	
Part (C) -					$134.13 m^3$
$1 \times 7.80 \times (4.33 + 8.83) \times (1.8 + 2.4 + 1.7 + 3.3 + 2.9 + 2.1 + 1.8 + 2.0)$				8	
					$115.48 m^3$
$1 \times 12.20 \times (4.27 + 9.30)$				2	
$(0.95 + 2.90 + 2.0 + 3.0 + 1.9 + 2.1 + 2.2 + 2.10)$				8	
					$208.49 m^3$
$1 \times 9.20 \times (3.83 + 8.06) \times (0.90 + 2.0 + 2.80 + 2.1 + 3.6 + 2.5 + 1.80 + 1.20)$				8	
					$115.54 m^3$
Part (D) -					$439.51 m^3$
$1 \times 8.20 \times (6.40 + 8.48) \times (0.80 + 1.30 + 0.90 + 0.95 + 1.4 + 0.95)$				6	
					$64.06 m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 5.6 \times \frac{(4.8 + 6.3)}{2} \times \frac{(0.80 + 0.85)}{2}$					
					$= 24.09 \text{ m}^3$
$1 \times 2.8 \times \frac{(1.0 + 1.58)}{2} \times \frac{(0.50 + 0.65)}{2}$					
					$= 2.82 \text{ m}^3$
$1 \times 12.0 \times \frac{(1.8 + 3.43)}{2} \times \frac{(1.40 + 1.8 + 1.6)}{3}$					
					$= 50.21 \text{ m}^3$
$1 \times 4.60 \times \frac{(3.0 + 4.28)}{2} \times \frac{(1.20 + 1.50 + 1.3)}{3}$					
					$= 22.33 \text{ m}^3$
$1 \times 9.0 \times \frac{(1.60 + 2.92)}{2} \times \frac{(1.2 + 1.6 + 1.3)}{3}$					
					$= 27.80 \text{ m}^3$
Part (E)					$= 191.31 \text{ m}^3$
$1 \times 5.10 \times \frac{(3.80 + 4.20)}{2} \times \frac{(0.45 + 0.50)}{2}$					
					$= 9.79 \text{ m}^3$
$1 \times 4.10 \times \frac{(3.0 + 4.25)}{2} \times \frac{(1.10 + 1.40)}{2}$					
					$= 18.58 \text{ m}^3$
$1 \times 1.8 \times \frac{(0.0 + 8.12)}{2} \times \frac{(1.20 + 1.50)}{2}$					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 1.6 \times \frac{(2.9 + 3.95)}{2} \times \frac{(1.90 + 1.20)}{2}$					
					$= 5.75 \text{ m}^3$
$1 \times 1.40 \times \frac{(3.75 + 6.48)}{2} \times \frac{(1.40 + 1.50 + 1.20)}{3}$					
					$= 79.69 \text{ m}^3$
$1 \times 22.50 \times \frac{(3.75 + 6.39)}{2} \times \frac{(1.0 + 1.20 + 2.10 + 1.30 + 1.0)}{5}$					
					$= 150.58 \text{ m}^3$
$1 \times 5.50 \times \frac{(3.40 + 4.05)}{2} \times \dots$					
					$\frac{(0.65 + 0.85)}{2} = 17.12 \text{ m}^3$
$1 \times 2.70 \times \frac{(4.80 + 5.55)}{2} \times 0.75 = 10.48 \text{ m}^3$					
$1 \times 6.0 \times \frac{(3.4 + 4.05)}{2} \times 0.65 = 14.53 \text{ m}^3$					
$1 \times 4.0 \times \frac{(3.60 + 4.28)}{2} \times \frac{(0.70 + 0.65)}{2}$					
					$= 10.64 \text{ m}^3$
$1 \times 7.5 \times \frac{(3.45 + 5.20)}{2} \times \frac{(1.6 + 1.9 + 1.75)}{3}$					
					$= 56.77 \text{ m}^3$
$1 \times 2.10 \times \frac{(5.10 + 5.75)}{2} \times 0.65 = 7.41 \text{ m}^3$					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	C.	B.	D.	
$1 \times 3.2 \times \frac{(3.6 + 4.20)}{2} \times \frac{(0.65 + 0.55)}{2}$					
					$= 7.49 \text{ m}^3$
$1 \times 3.0 \times \frac{(3.6 + 4.28)}{2} \times \frac{(0.65 + 0.70)}{2}$					
					$= 7.98 \text{ m}^3$
$1 \times 2.4 \times \frac{(5.80 + 6.20)}{2} \times 0.4$					$= 5.76 \text{ m}^3$
$1 \times 2.5 \times \frac{(5.6 + 5.9)}{2} \times 0.3$					$= 4.31 \text{ m}^3$
$1 \times 10.0 \times \frac{(2.95 + 3.90)}{2} \times \frac{(0.85 + 1.30 + 0.70)}{3}$					
					$= 32.54 \text{ m}^3$
$1 \times 5.1 \times \frac{(3.3 + 3.88)}{2} \times \frac{(0.55 + 0.60)}{2}$					
					$= 10.53 \text{ m}^3$
$1 \times 4.40 \times \frac{(2.78 + 3.53)}{2} \times \frac{(0.65 + 0.85)}{2}$					
					$= 10.41 \text{ m}^3$
$1 \times 4.10 \times \frac{(2.9 + 3.68)}{2} \times \frac{(0.80 + 0.75)}{2}$					
					$= 10.45 \text{ m}^3$
Part (F)					470.81 m^3

Continuation

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	
					$= 50.63 \text{ m}^3$
$1 \times 7.0 \times \frac{(3.25 + 6.44)}{2} \times (1.6 + 0.9 + 1.5$					
$+ 0.85 + 1.20 + 1.9 + 1.1 + 1.7)$					
				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	
					$= 187.04 \text{ m}^3$
					$\text{part (h)} = 285.59 \text{ m}^3$
Total - (A+B+C+D+E+F+h) =					4031.97 m^3
(2.) Labour for filling Cement Bag,					
Sussing 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

Part (A)

$$1 \times \frac{116 \times 4}{0.30} = 1548.0 \text{ m}$$

Part (D)

$$1 \times \frac{15.0 \times 4}{0.30} = 201.0 \text{ m}$$

Part (E)

$$1 \times \frac{45.5 \times 4}{0.30} = 608.0 \text{ m}$$

$Q+Y = 2357 \text{ m}$

(5) Supplying fitting and fixing of bamboo 62 mm to 25 mm dia

summers

Part (A) - $4 \times 116.0 = 464.0 \text{ m}$

Part (D) - $4 \times 15.0 = 60.0 \text{ m}$

Scanned with CamScanner

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Part (E) - 4x 15.50					62.00 m
				24x	586.00 m
(G.) Supplying fitting and fixing in position split bamboo chamchery with complete job					
Part (F)					
116.00 x 1.50					174.00 m ²
Part (D) 15.0 x 1.50					22.5 m ²
Part (E) 45.50 x 1.50					68.25 m ²
				10x	264.75 m ²
Ad 10/4/21 GE					

Name of wood - F OR PART 'A'

Tom 120000 by 800000

Name of Road - Kadwa to

Mahinagar - Part - A

Agency - Departmental work

Length - 20.575 km

Block - Kadwa

① Plu brick batt including

Spreading 10000 concrete

with 10000 Hammer - 1000

4031.97 m² B.R.F. m² B.P. ①@ Rs 1717.37/m² Rs - 6924384.00

② Labour for fitting cement

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Bag weighing and drying — E/L					
33319.253 Bag Q.V.T.M.B.P. (7)					
@RS 32.140/Bag RS - 1070900.00					
(3) Const. of embankment with					
approved material —					
5583.02 m ³ Q.V.T.M.B.P. (8)					
@RS 283.58/m ³ RS - 1583233.00					
(4) Labour for drying 42 mm dia					
75 mm dia bamboo pile — E/L					
2357.44 m Q.V.T.M.B.P. (5)					
@RS 47.58/m RS - 112146.00					
(5) S/P/F of bamboo 60 mm to 75 mm					
in dia & 80 mm — E/L					
586.00 m Q.V.T.M.B.P. (3)					
@RS 24.71/m RS - 14480.00					
(6) S/P/F in position split bamboo					
weaver chain through — E/L					
264.75 m Q.V.T.M.B.P. (9)					
@RS 221.69/m RS - 58692.00					
RS - 9763835.00					
Add 124.657 (7) RS - 117160.00					
Add 1.1. L.C.S. (8) RS - 97638.00					
Add 10.1 S.Fee (9) RS - 524700.00					
RS - 11567833.00					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH - 2245 F. D. R					
Name of Work - Restoration of					
Work Kodwa to Mahinagar					
Part - 2					
Agency - Departmental					
Supplier -					
Authority -					
Date of Start -					
Date of Completion -					
Date of entry -					

Remod Measurement

(1.) Providing Brick Bats including
Spreading, laying compacting with
0.5 hammer

$$1 \times 7.0 \times \frac{(3.45 + 4.51)}{2} \times \frac{(0.50 + 0.55 + 0.65 + 0.50 + 0.45)}{5}$$

$$= 14.77 \text{ m}^3$$

$$1 \times 15.0 \times \frac{(3.46 + 4.45)}{2} \times \frac{(0.65 + 0.85 + 0.90 + 1.30 + 0.85 + 0.50)}{6}$$

$$= 51.05 \text{ m}^3$$

Continuation

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
$1 \times 22.0 \times \frac{(5.06 + 7.18)}{2} \times \frac{(0.70 + 0.95 + 2.10 + 1.0 + 0.95 + 1.20 + 0.50)}{7}$					
					$= 142.33 \text{ m}^3$
$1 \times 13.0 \times \frac{(4.6 + 7.12)}{2} \times \frac{(0.80 + 1.20 + 0.90 + 1.65 + 1.70 + 1.30)}{6}$					
					$= 95.86 \text{ m}^3$
$1 \times 10.0 \times \frac{(4.95 + 7.80)}{2} \times \frac{(1.40 + 1.45 + 1.30 + 1.40 + 1.60 + 1.35)}{6}$					
					$= 90.31 \text{ m}^3$
$1 \times 19.70 \times \frac{(5.0 + 7.30)}{2} \times \frac{(0.90 + 1.20 + 1.50 + 1.20 + 1.10 + 1.0)}{6}$					
					$= 139.33 \text{ m}^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 6.50 \times \frac{(4.25 + 5.13)}{2} \times (0.35 + 0.35 + 0.55 + 0.50)$				4	
				2	13.34 m^3
$1 \times 11.40 \times \frac{(5.05 + 7.58)}{2} \times (0.90 + 1.10 + 1.70 + 1.40 + 1.50 + 1.0)$				6	
					91.19 m^3
$1 \times 9.50 \times \frac{(5.43 + 8.18)}{2} \times (1.4 + 1.4 + 1.35 + 1.45 + 1.45 + 1.2)$				6	
					88.89 m^3
$1 \times 8.70 \times \frac{(5.15 + 6.22)}{2} \times (0.50 + 0.65 + 0.45)$				3	
					26.38 m^3
$1 \times 3.8 \times \frac{(4.40 + 5.35)}{2} \times \frac{(0.50 + 0.45)}{2}$				2	
					8.80 m^3
$1 \times 11.0 \times \frac{(4.20 + 5.92)}{2} \times (0.80 + 0.95 + 0.75 + 0.85 + 1.20 + 0.65)$				6	
					48.29 m^3

Continuation

$$\text{Total (B)} = 244.72 \text{ m}^3$$

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 - III(3)					
Agency - Departmental					
Supplier -					
Authority -					
Name of Start -					
Date of Completion -					
Date of entry -					

Record Measurement

I. Providing Brick Bat including spreading, laying and compacting with C. hammer

$$1 \times 8.0 \times \frac{(4.00 + 5.3)}{2} \times 0.80 = 31.36 \text{ M}^3$$

$$1 \times 5.6 \times \frac{(4.5 + 5.20)}{2} \times 0.70 = 19.01 \text{ M}^3$$

$$1 \times 49.6 \times \frac{(4.03 + 5.51)}{2} \times \frac{(1.20 + 1.60 + 1.80 + 1.30)}{4} = 348.92 \text{ M}^3$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 3.50	$\frac{(3.88 + 4.48)}{2}$			$\frac{(0.55 + 0.65)}{2}$	
					= 8.78 m ³
1 x 11.20	$\frac{(3.95 + 4.63)}{2}$			$\frac{(0.65 + 0.70)}{2}$	
					= 32.43 m ³
1 x 10.0 x 3.75	$\frac{(0.65 + 0.55)}{2}$				= 22.50 m ³
1 x 3.0 x 3.20 x 0.40					= 3.84 m ³
1 x 2.0 x 3.20 x 0.45					= 2.88 m ³
1 x 14.0	$\frac{(4.53 + 5.20)}{2}$			$\frac{(0.60 + 0.65 + 0.70 + 0.60 + 0.80 + 0.6)}{6}$	
					= 45.41 m ³
1 x 3.20	$\frac{(4.63 + 5.45)}{2}$			$\frac{(0.80 + 0.85)}{2}$	
					= 13.31 m ³
1 x 7.40	$\frac{(4.55 + 6.23)}{2}$			$\frac{(0.85 + 0.90 + 0.85 + 0.75)}{4}$	
					= 33.40 m ³
Total					= 561.89 m ³

Continuation

10/4/24
 GE

10/4/24
 GE

Abstract of cost

17

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:- PDR PART 'A'					
Temporary Retained					
Name of Road:- Kadwa rd					
Mahinagar PART-3					
Agency:- Departmental work					
length:- 20.575 km					
Block:- Kadwa					
① PU brick bats including spreading lathing Compacting with CI Hammer — EID					
S/L - 89 m ² B.R.T.M.B.-P. (16)					
@ Rs 1717.37/m ² Rs - 964973.00					
Rs - 964973.00					
Add 12% C.S + (4) Rs - 115797.00					
Add 1% C. (RS) (4) Rs - 9650.00					
Add 10% f.s. Peo (4) Rs - 7170.00					
Add cost of Part-1 vide No (16) Rs - 1162120.00					
Add cost of Part-2 vide No (16) Rs 11563833.00					
					1711027
					Rs 144,40,980
					1814124
					GE