Kadwa - Mahinagar FDR 2245

Schedule XLV-Form No. 134

Barsai 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.
(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 Mahinagar — Part -1.					
Agency - Departmental					
Supplier —					
Authority —					
Date of start —					
Date of Completion —					
Date of entry —					
	Record Measurement				
1. Providing Brick Bats including, Spreading laying competing with C.I. hammer all Complete. Job					
1 X 22.0		x (4.55+6.15)/2		x (0.75+0.95+0.85+0.65)/4	= 94.16 M³
1 X 58.0		x (4.25+10.78)/2		x (2.20+3.10+3.50+3.7+3.5+4.0+3.2+3.30)/8	= 1423.87 M³

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
1 X 8.0 X	(4.30	+ 5.29) / 2	X (0.80 + 0.75 + 0.60) / 6		= 18.94 m³
1 X 48 X	(3.89	+ 7.75) / 2	X (1.20 + 1.40 + 3.10 + 2.20 + 1.75) / 5		= 539.16 m³
1 X 16.80 X	(4.48	+ 5.93) / 2	X (0.70 + 0.85 + 0.80 + 0.60 + 0.70) / 5		= 63.40 m³
Phase-II (Part-A)					
1 X 53 X	(4.0	+ 3.9 + 4.10) / 3	X (0.30 + 0.40 + 0.50 + 0.40) / 4		= 84.80 m³
					= 2224.30 m³
1 X 45.0 X	(4.24	+ 16.59) / 2	X (0.85 + 0.95 + 0.75 + 2.65 + 1.0 + 0.85) / 6		
Part-(B)					= 286.32 m³

Continuation

sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
1					
1 × 25 ×		(4.21 + 6.28) / 2	×	(0.70 + 0.75 + 0.80 + 2.0 + 1.90 + 0.80 + 1.7 + 0.30 + 0.70 + 0.35) / 10	
		Part (c)	−	=	134.13 m³
1 × 7.80 ×		(4.33 + 8.83) / 2	×	(1.8 + 2.4 + 1.7 + 3.3 + 2.9 + 2.1 + 1.8 + 2.0) / 8	
				=	115.48 m³
1 × 12.20 ×		(4.27 + 9.30) / 2	×	(0.95 + 2.90 + 2.0 + 3.0 + 1.9 + 2.1 + 2.2 + 2.10) / 8	
				=	208.49 m³
1 × 9.20 ×		(2.83 + 8.06) / 2	×	(0.90 + 2.0 + 2.80 + 2.1 + 3.6 + 2.5 + 1.80 + 1.20) / 8	
				=	115.54 m³
		Part (D)	−		439.51 m³
1 × 8.20 ×		(6.40 + 8.43) / 2	×	(0.80 + 1.30 + 0.90 + 0.95 + 1.4 + 0.95) / 6	
				=	64.06 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
$1 \times 5.6 \times \frac{(1.8+6.3)}{2} \times \frac{(0.80+0.75)}{2}$					$= 24.09\ m^3$
$1 \times 2.8 \times \frac{(1.0+1.58)}{2} \times \frac{(0.50+0.65)}{2}$					$= 2.82\ m^3$
$1 \times 12.0 \times \frac{(1.8+3.43)}{2} \times \frac{(1.40+1.8+1.6)}{3}$					$= 50.21\ m^3$
$1 \times 4.60 \times \frac{(3.0+4.28)}{2} \times \frac{(1.20+1.50+1.3)}{3}$					$= 22.33\ m^3$
$1 \times 9.0 \times \frac{(1.60+2.92)}{2} \times \frac{(1.2+1.6+1.3)}{3}$					$= 27.80\ m^3$
Part (E)					$= 191.31 m^3$
$1 \times 5.10 \times \frac{(3.80+4.28)}{2} \times \frac{(0.45+0.50)}{2}$					$= 9.79\ m^3$
$1 \times 4.10 \times \frac{(3.0+4.25)}{2} \times \frac{(1.10+1.40)}{2}$					$= 18.58\ m^3$

Continuation

S.S.R. SLV.–Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	I	II	D.	
$1 \times 1.6 \times \frac{(2.9+3.75)}{2} \times \frac{(1.70+1.20)}{2}$					
				=	5.75 m³
$1 \times 11.40 \times \frac{(3.75+6.48)}{2} \times \frac{(1.40+11.50+1.20)}{3}$					
				=	79.69 m³
$1 \times 22.50 \times \frac{(3.75+6.39)}{2} \times \frac{(1.0+1.20+2.10+1.30+1.0)}{5}$					
				=	150.58 m³
$1 \times 5.50 \times \left(\frac{3.40+4.05}{2}\right) \times \frac{(0.65+0.85)}{2}$				=	17.12 m³
$1 \times 2.70 \times \frac{(4.80+5.55)}{2} \times 0.75$				=	10.48 m³
$1 \times 6.0 \times \frac{(3.4+4.05)}{2} \times 0.65$				=	14.53 m³
$1 \times 4.0 \times \frac{(3.60+4.28)}{2} \times \frac{(0.70+0.65)}{2}$					
				=	10.64 m³
$1 \times 7.5 \times \frac{(3.45+5.20)}{2} \times \frac{(1.61+1.94+1.25)}{3}$					
				=	56.77 m³
$1 \times 2.10 \times \frac{(5.10+5.75)}{2} \times 0.65$				=	7.41 m³

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	C	B	D.	Contents of area
1 X 3.2	X	$\frac{(2.6+4.20)}{2}$		$\times\frac{(0.65+0.55)}{2}$	
				=	7.49 m³
1×3.0	×	$\frac{(2.6+4.28)}{2}$		× $\frac{(0.65+0.70)}{2}$	
				=	7.98m³
1×2.4	×	$\frac{(5.80+6.20)}{2}$	×	0.4	= 5.76m³
1×2.5	×	$\frac{(5.6+5.9)}{2}$	×	0.3	= 4.31m³
1 X 10.0	×	$\frac{(2.95+3.90)}{2}$		× $\frac{(0.85+1.30+0.70)}{3}$	
				=	32.54m³
1 X 5.1	×	$\frac{(3.3+3.88)}{2}$		× $\frac{(0.55+0.60)}{2}$	
				=	10.53m³
1 X 4.40	×	$\frac{(2.78+3.53)}{2}$		× $\frac{(0.65+0.85)}{2}$	
				=	10.41m³
1 X 4.10	×	$\frac{(2.9+3.68)}{2}$		× $\frac{(0.80+0.75)}{2}$	
				=	10.45 m³
	Part - (F)				470.81m³

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D	
1 X 10.0 X		(4.10 + 6.09) / 2	X	(0.20 + 1.30 + 0.95 + 0.80 + 1.70 + 1.20 + 0.60 + 0.70) / 8	
				=	50.63 M³
1 X 7.0 X		(3.75 + 6.44) / 2	X	(1.6 + 0.9 + 1.5 + 0.85 + 1.20 + 1.9 + 1.1 + 1.7) / 8	
				=	47.92 M³
1 X 27.0 X		(4.08 + 6.66) / 2	X	(0.95 + 0.75 + 2.5 + 1.3 + 0.95) / 5	
				=	187.04 M³
		Part (b)		-	285.59 M³
Total-I		(A + B + C + D + E + F + G)		=	4031.97 M³

(2.) Labours for filling Cement Bag, Sueing and Laying material (Phase-II)

(53 X (0.5 + 9.0) / 2 X 4.5 = 1132.875 M³)

1132.875				=	33,319.85
0.034					Bags.

Continuation

Sch. XLV—Form No. 134

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)					
1x(30+3)					
1		33.0			
		(4.20+27.33)/2			
			(5.3+6.9+6.8+5.20+7.20+15.80)/6		
				=	5583.02 m³
(4) Labour for driving 62 mm to 75 mm dia Bamboo piles including cutting to in proper size					
Part (A)					
1	116 / 0.30	4		=	1546 m
Part (D)					
1	15.0 / 0.30	4		=	201.0 m
Part (E)					
1	45.5 / 0.30	4		=	608.0 m
(5) Supplying fitting and fixing of bamboo 62 mm to 75 mm dia runners					
Part (A)	-	4	116.0	=	464.0 m
Part (D)	-	4	15.0	=	60.0 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
(6.) Supplying fitting and fixing in position Splot bamboo Chanchar with complete Job					
Part (B)	116	0 X	1.50	=	174.0 m²
Part (D)	15	0 X	1.50	=	22.5 m²
Part (E)	45	50 X	1.50	=	68.25 m²

Continuation

Sch. XLV—Form No. 134

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

CH - 7245 F.D.R

Name of Work - Restoration of Water Kadwa to Mahinagar Part - 2

Agency - Departmental

Supplier -

Authority -

Date of Start -

Date of Completion -

Date of entry -

Record Measurement

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

$1 \times 7.0 \times \frac{(3.45+4.51)}{2} \times (0.50+0.55+0.65+0.50+0.95)$

$= 14.77\ M^3$

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

$= 51.05\ M^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	I	II	III	
$1 \times 9.80 \times \frac{(3.95+4.45)}{2} \times \frac{(0.50+0.40+0.60)}{3}$					
				$= 17.36\ m^3$	
			Part (A) -		$85.18\ M^3$
$1 \times 22.0 \times \frac{(5.06+7.18)}{2} \times \frac{(0.70+0.95+2.10+1.0+0.95+1.20+0.50)}{7}$					
				$= 142.33 M^3$	
$1 \times 13.0 \times \frac{(4.6+7.12)}{2} \times \frac{(0.80+1.20+0.90+1.65+1.70+1.30)}{6}$					
				$= 95.86\ m^3$	
$1 \times 10.0 \times \frac{(4.95+7.80)}{2} \times \frac{(1.40+1.45+1.30+1.40+1.60+1.35)}{6}$					
				$= 90.31\ M^3$	
$1 \times 19.70 \times \frac{(5.0+7.30)}{2} \times \frac{(0.90+1.20+1.50+1.20+1.10+1.0)}{6}$					
				$= 139.33 M^3$	

Continuation

Particulars	Details of actual measurement No.	I.	II.	III.	Contents of area
$1 \times 6.50 \times \frac{(4.25+5.13)}{2} \times \frac{(0.35+0.35+0.55+0.50)}{4}$					$= 13.39\ m^3$
$1 \times 11.40 \times \frac{(5.05+2.58)}{2} \times \frac{(0.90+1.10+1.70+1.40+1.50+1.0)}{6}$					$= 91.19\ m^3$
$1 \times 9.50 \times \frac{(5.43+8.18)}{2} \times \frac{(1.4+1.4+1.35+1.45+1.45+1.2)}{6}$					$= 88.89\ m^3$
$1 \times 8.70 \times \frac{(5.15+6.22)}{2} \times \frac{(0.60+0.65+0.45)}{3}$					$= 26.38\ M^3$
$1 \times 3.8 \times \frac{(4.40+5.35)}{2} \times \frac{(0.50+0.95)}{2}$					$= 8.80\ m^3$
$1 \times 11.0 \times \frac{(4.20+5.93)}{2} \times \frac{(0.80+0.95+0.75+0.85+1.20+0.65)}{6}$					$= 48.29\ M^3$

Continuation

Total (B) = 274.72 M^3

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
	Total (A+B)			2	829.70 M^3
A/c 10/11/21 GE					
				10/9/21 AE	

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH. 2215 f D.R					
Name of work – Restoration of work leading to Nabinagar Part – III (3)					
Agency : Departmental					
Supplier –					
Authority – :					
Date of Start –					
Date of Completion –					
Date of entry –					

Record Measurement

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

1 X 8.0 X $\frac{(4.10+5.3)}{2}$ X 0.80 = 31.36 M^3

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

1 X 49.6 X $\frac{(4.03+5.51)}{2}$ X $\frac{(1.20+1.60+1.80+1.30)}{4}$

= 348.97 M^3

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
1 x 3.50		x (3.85 + 4.18) / 2		x (0.55 + 0.65) / 2	
				=	8.78 m
1 x 11.20		x (3.95 + 4.63) / 2		x (0.85 + 0.70) / 2	
				=	32.43 m
x 10.0 x		3.75 x (0.65 + 0.55) / 2			= 22.50 m
1 x 3.0		x 3.20 x		0.40	= 3.84 m³
1 x 2.0		x 3.20 x		0.45	= 2.88 m³
1 x 14.0		x (4.53 + 5.20) / 2		x (0.60 + 0.65 + 0.70 + 0.60 + 0.80 + 0.6) / 6	
				=	45.41 m³
1 x 3.20		x (4.63 + 5.45) / 2		x (0.80 + 0.85) / 2	
				=	13.31 m³
1 x 7.40		x (4.55 + 6.25) / 2		x (0.85 + 0.90 + 0.85 + 0.75) / 4	
				=	33.40 m³
			Total	=	561.89 m³

Continuation

10/4/24 JE

10/4/24 AE