FDR 2245

Chaurki To Kachora

Shedule XLV Form No. 134.

Mamta Enterprises

Barsi _____ **DIVISION**

Kadwa _____ **SUB-DIVISION**

Measurement Book

1618

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 FDR					
Name of work - Restoration work of Charaki to Kachora (PART-I)					
Agency - Departmental					
Supplies -					
Authority -					
Date of Start -					
Date of Completion -					
Date of entry -					
Description of work →					
① providing brick bats filling, Laying, Spreading, Including - C/I					
$1 \times 14.50 \times \frac{(3.56+4.80)}{2} \times \frac{0.60+0.65+0.80+0.70+0.48}{5}$				=	$39.11\ m^3$
$1 \times 12.20 \times \frac{3.60+5.13}{2} \times \frac{0.60+0.70+0.80+0.75+0.40+0.65+0.50}{7}$				=	$40.61\ m^3$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 7.50 \times \left(\frac{7.15+5.13}{2}\right) \times \left(\frac{0.95+0.90+1.20+0.90}{4}\right)$				=	30.66 m³
					1
PART (A) = 110.38 m³					
$1 \times 4.50 \times \left(\frac{5.20+6.98}{2}\right) \times \left(\frac{0.50+1.10+1.20+0.60+1.40+0.85+0.90+6.75+0.85+0.80}{10}\right)$				=	24.44 m³
$1 \times 2.0 \times \left(\frac{5.0+5.90}{2}\right) \times \left(\frac{0.60+0.30}{2}\right)$				=	7.36 m³
$1 \times 3.80 \times \left(\frac{4.30+5.12}{2}\right) \times \left(\frac{0.50+0.40+0.35+0.45+0.30}{5}\right)$				=	7.31 m³
$1 \times 34.0 \times \frac{4.93+8.68}{2} \times \left(\frac{1.0+1.90+2.5+2.20+2.75+0.80}{6}\right)$				=	433.82 m³
$1 \times 30.0 \times \left(\frac{5.04+6.90}{2}\right) \times \left(\frac{0.60+1.20+1.40+1.30+0.60+0.50}{6}\right)$				=	167.164
$1 \times 12.0 \times \left(\frac{4.98+7.80}{2}\right) \times \left(\frac{1.20+1.40+1.80+1.20}{4}\right)$				=	107.35 m³

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
$1 \times 14.80 \times \left(\frac{4.92+6.32}{2}\right) \times \left(\frac{0.60+0.65+1.10+0.70+0.55}{5}\right)$				=	58.22 m³
		(PART B)		=	805.66 m³
$1 \times 13.0 \times \left(\frac{4.52+6.0}{2}\right) \times \left(\frac{0.70+0.80+0.85+0.65+0.70}{5}\right)$				=	50.60 m³
$1 \times 10.0 \times \left(\frac{4.88+8.68}{2}\right) \times \left(\frac{1.10+2.10+2.80+2.50+1.40+1.50}{6}\right)$				=	128.82 m³
$1 \times 24.0 \times \left(\frac{2.43+4.61}{2}\right) \times \left(\frac{1.70+2.0+2.8+2.20}{4}\right)$				=	183.74 m³
$1 \times 24.0 \times \left(\frac{1.91+3.69}{2}\right) \times \left(\frac{1.60+2.10+2.60+1.60+1.0}{5}\right)$				=	119.62 m³
$1 \times 14.0 \times \left(\frac{3.47+7.02}{2}\right) \times \left(\frac{1.0+1.90+2.20+1.0}{4}\right)$				=	117.32 m³
		PART (C)		=	600.10 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 × 38.40 × $\frac{(4.35+7.37)}{2}$ × $\frac{(0.40+0.50+1.60+2.00+2.10+1.12+1.40+1.80+1.70+2.30)}{10}$				=	339.79 m³
1 × 14.0 × $\frac{(5.63+8.11)}{2}$ × $\frac{(0.60+0.90+2.10+1.85+0.75)}{5}$				=	119.26 m³
1 × 12.0 × $\frac{(5.03+5.88)}{2}$ × $\frac{(0.45+0.60+0.55+0.40+0.35+0.20)}{6}$				=	27.82 m³
1 × 11.0 × $\frac{(3.27+6.07)}{2}$ × $\frac{(1.10+1.20+1.30+1.60+1.70+1.50)}{6}$				=	71.92 m³
					1
			PART (D)	=	558.79 m³
1 × 10.0 × $\frac{(3.10+6.53)}{2}$ × $\frac{(1.40+2.10+1.90+1.45)}{4}$				=	82.46 m³
1 × 40.0 × $\frac{(3.04+7.65)}{2}$ × $\frac{(1.10+1.6+1.95+1.80+2.0+2.4+3.8+3.2+2.3+2.6+1.70+1.20)}{12}$				=	492.63 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Co of area
	No.	L.	B.	D.	
$1 \times 5.0 \times \left(\frac{3.20+4.90}{2}\right) \times \left(\frac{0.90+0.80}{2}\right)$				=	$17.21\,m^3$
$1 \times 10.0 \times \left(\frac{0.67+1.02}{2}\right) \times \left(\frac{0.40+0.30+0.35}{3}\right)$				=	$2.96\,m^3$
$1 \times 3.0 \times \frac{0.60+1.40}{2} \times 0.8$				=	$2.40\,m^3$
					1
PART (E) =					$597.66\,m^3$
$1 \times 33.8 \times \left(\frac{4.38+5.21}{2}\right) \times \left(\frac{0.40+0.50+0.30+0.35+0.45}{5}\right)$				=	$67.53\,m^3$
$1 \times 22.0 \times \left(\frac{4.13+4.75}{2}\right) \times \left(\frac{0.32+0.34+0.35+0.25+0.30}{5}\right)$				=	$30.65\,m^3$
$1 \times 9.70 \times \left(\frac{2.05+2.23}{2}\right) \times \frac{0.15+0.20}{2}$				=	$3.63\,m^3$
					1
PART (F) =					$101.81\,m^3$

Continuation

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Particulars	Details of actual measurement				Content of area
	No.	L.	B.	D.	
$1 \times 26.0 \times \left(\frac{4.08+5.09}{2}\right) \times \left(\frac{0.35+0.50+0.60+0.45+0.75+0.40}{6}\right)$					
				=	60.46 m³
$1 \times 10.0 \times \frac{4.40+4.93}{2} \times \left(\frac{0.40+0.30+0.25+0.20}{4}\right)$					
				=	12.44 m³
$1 \times 10.0 \times \left(\frac{4.40+4.93}{2}\right) \times \left(\frac{0.70+1.0+0.30+0.35+0.70}{5}\right)$					
				=	69.22 m³
$1 \times 9.30 \times \left(\frac{6.15+7.68}{2}\right) \times \left(\frac{0.70+0.80+0.75}{3}\right)$					
				=	49.04 m³
		PART (G) =			130.70 m³
Total = (A+B+C+D+E+F+G+H) =					2905.10 m³
less 4" pipe					
$\frac{3.14}{4} \times (1.23)^2 \times 15$				−	17.810 m³
					2887.29

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(2) Labour for driving 62mm to 75mm dia bamboo piles including cutting in proper size. c/f					
Part B.					
17.70 × 4 / 0.3				=	237 m
Part C.					
72 × 4 / 0.3				=	~~72 m~~ 961 m
PART D.					
67 × 4 / 0.3				=	894 m.
					2092.00
(3) S/F/F of bamboo 62mm to 75 dia runners at every vertical pile with nails @ 500 g.					
part B					
4 × 35.40				=	141.6 m
Part C 4 × 144.0				=	576.0 m
Part D.					
4 × 134.0				=	536.0 m
					1253.60 m
(4) S/F/F in position split bamboo woven chancherg with @ 500 sq.					
Part C 1.5 × 72.0				=	108 m

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(5) Providing and laying RCC Cement Concrete Pipe NP3					
6 × 2.50				=	15.00 M.
10/4/21 OE		10/4/21			

Abstract of cost

Name of Work :- FDR/Part 'A'/ Temporary Restoreal

Name of Road :- Chauki To Kachora - Part-I

Agency :- Departmental Work

length :- 17.200Km

Block :- Kadwa

(1) Plc brick bats including spreading, laying compacting 2887.23 m³ Q.V.T.M BP-(6)			
	@ Rs. 1717.371 m³	— Rs.	4958545.00
(2) Labour for driving 62 mm to 75 mm dia runner			

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2092.m²	O.V.T.M B P-(7)				
	@ Rs.	47.58	/m²	— Rs.	99537.00
(3) SI/F of bamboo 62 mm					
to 75mm dia					
1253.60m	O.V.T.M B P-(7)				
	@ Rs.	24.71	/m	— Rs.	30976.00
(4) SI/F in position					
& plot bamboo Dowel					
chamchary					
108.m²	O.V.T.M B P-(7)				
	@ Rs.	221.69	/m²	— Rs.	23943.00
(5) P/W RCC hume pipe					
NP3 (1×1000mm dia)					
15.00m	O.V.T.M B P-(5)				
	@ Rs.	4432.83	/m	— Rs.	66492.00
				Rs.	5179493.00
Add 12% GST (+)				Rs.	621539.00
Add 1% L. Cess (+)				Rs.	51794.00
Add 10% S. Fee (+)				Rs.	439600.00
				Rs.	6292426.00

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH- 2245 FOR					
Name of work - Restoration work of Chaurki to Kachorka Part 2					
Agency - Departmental					
Supplier -					
Authority -					
Date of Start -					
Date of completion -					
Date of Entry -					

Description of work →

① providing brick bats filling, Spreading, Laying, Including, - - C/I

1 × 32.0 × $\frac{4.32+5.52}{2}$ × $\left(\frac{0.60+0.50+0.75+0.65}{4}\right)$

= 94.53 m³

1 × 8.0 × $\frac{3.73+6.05}{2}$ × $\left(\frac{0.60+0.75+0.50+1.50+1.75+1.85}{6}\right)$

= 45.3/m³

1 × 26.0 × $\left(\frac{2.90+3.50}{2}\right)$ × 0.3

= 24.96 m³

part (A) = 164.80 m³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	37.50	$\frac{(3.23+4.54)}{2}$	$\frac{(0.60+0.80+0.55+0.65+0.75)}{5}$	$= 95.91 m^3$
	1	5.0	$\frac{(0.85+1.23)}{2}$	$\frac{(0.35+0.40)}{2}$	$= 1.95 m^3$
	1	34.50	$\frac{(3.53+3.99)}{2}$	$\frac{(0.45+0.40+0.50+0.60+0.55+0.35)}{6}$	$= 60.0 m^3$
	1	8.0	$\frac{(2.03+3.62)}{2}$	$\frac{(0.90+1.0+0.85+1.20)}{4}$	$= 20.20 m^3$
	1	7.10	$\frac{(0.50+0.78)}{2}$	$\frac{(0.30+0.25)}{2}$	$= 1.29 m^3$
	1	21.60	$\frac{(1.2+2.43)}{2}$	$\frac{(1.70+1.0+0.95+1.20)}{4}$	$= 47.67 m^3$
	1	4.20	$\frac{(5.0+6.55)}{2}$	$\frac{(0.80+0.75)}{2}$	$= 18.80 m^3$

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1 × 5.10 × (2.95+3.50 / 2) × (0.50+0.60+0.55 / 3)					= 9.05 m³
1 × 26.0 × (3.50+6.63 / 2) × (1.30+1.25+1.90+2.25+1.35+1.80+1.35+1.3 / 8)					= 205.77 m³
1 × 18.0 × (4.0+7.15 / 2) × (1.4+1.75 / 2)					= 158.05 m³
1 × 32.0 × (6.38+8.79 / 2) × (1.10+1.20+0.95+1.30+1.20+1.60+1.10 / 7)					= 293.00 m³
1 × 9.70 × (3.10+4.27 / 2) × (1+1.1+1.4 / 3)					= 41.70 m³
1 × 11.0 × (0.75+1.98 / 2) × (1.0+1.50+1.20 / 3)					= 18.52 m³
1 × 12.90 × (0.49+0.74 / 2) × (0.50+0.45+0.35+0.45+0.60 / 5)					= 64.10 m³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 × 26.0 × $\left(\frac{3.68+4.45}{2}\right)$ × $\left(\frac{0.36+0.33+0.40+0.42+0.50+0.41}{6}\right)$				=	40.69 m³
1 × 24.0 × $\left(\frac{3.70+5.99}{2}\right)$ × $\left(\frac{0.40+1.45+1.52+1.48+0.49}{5}\right)$				=	132.95 m³
1 × 50.6 × $\left(\frac{3.18+3.49}{2}\right)$ × $\left(\frac{0.12+0.15+0.10+0.19+0.18+0.20+0.16}{7}\right)$				=	26.05 m³
1 × 12.0 × $\left(\frac{4.30+5.98}{2}\right)$ × $\left(\frac{0.90+0.95+0.70+0.80}{4}\right)$				=	51.66 m³
1 × 12.40 × $\left(\frac{3.69+5.46}{2}\right)$ × $\left(\frac{1.10+0.95+0.80+0.75+1.07+0.90+0.85}{7}\right)$				=	50.35 m³

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1 × 50.0 × (3.80 + 4.90) / 2 ×					
(6.30 + 0.60 + 0.50 + 0.65 + 0.75 + 0.55 + 0.45)					
		7			
				=	119.63
					1
		PART (B)		=	1461.49 m³
Total Part (A+B)				=	1626.29
less - 4 pile				-	1 no
3.14 / 4 × (1.23)² × 10.					11.88 m³
					1614.41 m³

(2) Labour for filling cement bag, sewing, and laying materials

CH – 200 No bags

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

1 × 90			=	90 m
1 × 9			=	9 m
99 × 4 / 0.3			=	1321 m

(4) S/F/F of bamboo 62 mm to 75 mm dia bamboo reinforced with nails.

Part A: 4 × 99.0 = 396.00 m

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Particulars	Details of actual measurement				Contents
	No.	L.	B.	D.	of area
(5) S/F/F in Position split bamboo woven chanchary with 20. 24 G. C/T					
Part B.					
99.0 × 1.50				=	148.5 m²
(6) Providing and laying R/F Cement Concrete pipes					
4 × 2.50				=	10.0 m
AE 10/4/21 GE		10/4/21			
Abstract of cost					
Name of Work:- FDR/Part 'A' / Temporary Restored					
Name of Road:- Chaunki to Kachora (Part-2)					
Agency :- Departmental Work					
length:- 17.20 Km					
Block :- Kadwa					
(1) Providing brick bats including spreading, laying compacting with C.I. Hammer — E/T.					
1614.41 m³ O.V.T. MB P-(14)					

Continuation

@ 1717.37/m³ — 2772539.0

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(2) labour for driving 62 mm to 75 mm dia bamboo pile 200 bag @.V.T.M.B.P-(14) @ Rs. 32.14/bag = Rs.					6428.00
(3) Labour for driving 62 mm to 75 mm dia bamboo piles 1321 m @.V.T.M.B.P-(14) @ Rs. 47.58/m = Rs.					62853.00
(4) Stiff of bamboo 62 mm to 75 mm dia runner 39.6 m @.V.T.M.B.P-(14) @ Rs. 24.71/m = Rs.					9785.00
(5) Stiff in position Split bamboo woven chanchary 148.50 m @.V.T.M.B.P-(15) @ Rs. 221.69/m = Rs.					32921.00
(6) Providing RCC hume pipe NP3 (1000 mm ϕ) 10.00 m @.V.T.M.B.P-(15)					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B.f = 10m					
@ Rs. 4432.83/m				— Rs.	44328.00
				Rs.	2928854.00
Add 12% GST (+)				Rs.	351462.00
Add 1% Lices (+)				Rs.	29289.00
Add 10% S. fee (+)				Rs.	186600.00
				Rs.	3496205.00
Add cost of Part I vide TMS Page No (+)				— Rs	6292,426=00
				Rs	9788,631=00

18/4/24

18/4/24

Continuation