

FDR - Jagdishpur Mulhya Marg to Machhargawan Path

Schedule XLV-Form No. 134

_____ **DIVISION**

09
09/12-7 _____ **SUB-DIVISION**

1772

MEASUREMENT BOOK

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Worked Road: Jagdishpur in muckhange					
Road under Flood					
Agency: Departmental					
Block: Maitani					
Division: Barhath					
District: West Champaran					
Authority: Executive Engineer R.W.D.					
Work Division: Barhath					

Item (1) Brick Bath					
RECORD MEASUREMENT					
$1 \times 5.0 \times 3.0 \times 0.3$					$= 4.5 \text{ m}^3$
$1 \times 6.0 \text{ m} \times \frac{2.8+3.1}{2} \times \frac{0.3+0.6}{2}$					$= 7.96 \text{ m}^3$
$1 \times 15.0 \times \frac{3.2+4.1}{2} \times \frac{0.4+0.5}{2}$					$= 45.1 \text{ m}^3$
$1 \times 4.1 \times \frac{5.0+4.8}{2} \times \frac{1.5+0.6}{2}$					$= 8.82 \text{ m}^3$
$1 \times 5.1 \times \frac{2.3+3.1}{2} \times \frac{1.3+0.4}{2}$					$= 8.75 \text{ m}^3$
$1 \times 9.0 \times \frac{3.8+4.2}{2} \times \frac{1.3+0.6}{2}$					$= 16.2 \text{ m}^3$
$1 \times 15.0 \times \frac{3.8+4.2}{2} \times 0.3$					$= 18.9 \text{ m}^3$
$1 \times 5.1 \times \frac{2.8+3.1}{2} \times 0.3$					$= 4.35 \text{ m}^3$
$1 \times 11.0 \times \frac{2.8+3.1}{2} \times \frac{0.4+0.5}{2}$					$= 17.03 \text{ m}^3$
Continuation					

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Particulars	Details of actual measurement			Contents of area
	No.	L	B	
		$1 \times 5.0 \times \frac{2.4+3.6}{2} \times 0.3+0.6$		$= 5.62$
		$1 \times 5.0 \times \frac{3.8+4.0}{2} \times 0.3+0.6$		$= 5.71$
		$1 \times 5.1 \times \frac{3.8+4.0}{2} \times 0.45+0.45$		$= 6.32$
		$1 \times 4.1 \times \frac{3.4+3.6}{2} \times 0.3+0.6$		$= 6.30$
		$1 \times 7.0 \times \frac{2.4+2.6}{2} \times 0.3+0.6$		$= 7.00$
		$1 \times 4.50 \times \frac{2.2+2.3}{2} \times 0.3+0.45$		$= 5.70$
		$1 \times 5 \times 12.5 \times 0.3+0.6$		$= 2.51$
		$1 \times 11 \times \frac{3.6+3.8}{2} \times 0.3+0.6$		$= 18.31$
		$1 \times 6.5 \times \frac{1.4+1.8}{2} \times 0.3+0.2$		$= 2.26$
		$1 \times 7.1 \times \frac{3.8+4.0}{2} \times 0.3+0.6$		$= 12.28$
		$1 \times 5.0 \times \frac{1.8+2.0}{2} \times 0.3+0.2$		$= 2.37$
		$1 \times 4.0 \times \frac{1.8+2.0}{2} \times 0.3+0.6$		$= 3.42$
		$1 \times 10.0 \times \frac{3.8+4.0}{2} \times 0.45+0.45$		$= 21.15$
		$1 \times 1.5 \times \frac{1.9+2.1}{2} \times 0.3+0.45$		$= 1.12$
		$1 \times 3.0 \times \frac{1.9+2.1}{2} \times 0.3+0.45$		$= 2.25$
		$1 \times 5.0 \times \frac{1.8+2.0}{2} \times 0.3+0.6$		$= 3.32$
		$1 \times 3.0 \times \frac{1.8+2.0}{2} \times 0.3+0.6$		$= 2.56$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 3.5 x 3.3 + 1.1 x 0.3 + 0.6					$\frac{2}{2} = 6.3$
1 x 1 x 1.0 x 0.3					$= 0.30 \text{ m}^2$
1 x 7.0 x 3.8 + 4.4 x 0.3 + 0.6					$\frac{2}{2} = 12.2$
1 x 2.5 x 4.3 + 4.5 x 0.45 + 0.6					$\frac{2}{2} = 10$
1 x 3.0 x 3.9 + 4.0 x 0.45 + 0.6					$\frac{2}{2} = 15.6$
1 x 9.3 x 3.9 + 4.0 x 0.45 + 0.6					$\frac{2}{2} = 13.2$
1 x 3.5 x 2.0 + 1.5 x 0.3 + 0.6					$\frac{2}{2} = 8.4$
1 x 3.0 x 1.6 + 1.7 x 0.3 + 0.6					$\frac{2}{2} = 2.12$
1 x 10.0 x 3.8 + 4.0 x 0.45 + 0.6					$\frac{2}{2} = 24.4$
1 x 8.4 x 3.9 + 4.0 x 0.45 + 0.6					$\frac{2}{2} = 17.41$
1 x 6.0 x 2.4 + 3.6 x 0.45 + 0.6					$\frac{2}{2} = 11.2$
1 x 4.5 x 3.0 + 2.5 x 0.3 + 0.6					$\frac{2}{2} = 5.89$
1 x 5.0 x 2.4 + 2.6 x 0.3 + 0.6					$\frac{2}{2} = 5.62$
1 x 4.0 x 1.9 + 2.1 x 0.3 + 0.6					$\frac{2}{2} = 3.6$
1 x 7.1 x 2.4 + 2.6 x 0.3 + 0.6					$\frac{2}{2} = 7.62$
1 x 15.0 x 4.5 + 5.0 x 0.3 + 0.6					$\frac{2}{2} = 56.7$
1 x 7.0 x 1.4 + 1.6 x 0.3 + 0.6					$\frac{2}{2} = 4.22$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
1 x 40 x	24+26	$\times 0.3+1.6$		$= 4.50$	
1 x 15 x	4.2+4.9	$\times 0.8+1.5$		$= 33.62$	
1 x 3.7 x	2.8+3.0	$\times 0.45+0.75$		$= 5.22$	
1 x 8.5 x	2.4+3.0	$\times 0.45+0.5$		$= 8.7$	
1 x 5.1 x	2.4+2.6	$\times 0.45+0.6$		$= 6.56$	
1 x 7.0 x	2.4+2.6	$\times 0.3+0.45$		$= 6.56$	
1 x 6.0 x	1.9+2.1	$\times 0.3+0.45$		$= 4.5$	
1 x 15.0 x	3.8+4.0	$\times 0.45+0.6$		$= 30.71$	

1 x 11 x	3.8+4.0	$\times 1.45+0.5$		$= 20.44$	
1 x 14.0 x	3.8+3.9	$\times 0.45+0.6$		$= 8.02$	
1 x 16 x	1.9+2.1	$\times 0.3+0.6$		$= 2.94$	
1 x 3.0 x	3.7+4.0	$\times 0.6+0.45$		$= 26.3$	
1 x 24.0 x	3.8+4.0	$\times 0.6+0.5$		$= 56.51$	
1 x 1.0 x	1.0	$\times 0.2+0.3$		$= 2.0$	
1 x 8.4 x	1.8+2.0	$\times 0.3+0.45$		$= 5.2$	
1 x 3.1 x	1.8+2.0	$\times 0.3+0.45$		$= 2.13$	
1 x 6.5 x	3.8+4.0	$\times 0.45+0.6$		$= 9.51$	

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L	B	
1-50 x 18+24 x 0.3+0.45				=3.56
1-60 x 18+24 x 0.3+0.45				=4.20
1-11 x 14+10 x 0.3+0.2				=0.335
2-10 x 14+10 x 0.3+0.2				=0.75
1-4.5 x 2.8+3.0 x 0.3+0.45				=3.20
1-30 x 24+10 x 0.3+0.45				=4.68
1-25 x 14+10 x 0.3+0.45				=4.40
1-20 x 22+10 x 0.3+0.45				=2.35
1-40 x 14+15 x 0.3+0.2				=1.45
1-75 x 24+30 x 0.3+0.45				=11.90
1-40 x 18+24 x 0.3+0.45				=2.85
1-45 x 18+24 x 0.3+0.45				=3.21
3-20 x 14+10 x 0.3+0.45				=5.54
1-50 x 10+0.5 x 0.3+0.2				=1.12
1-45 x 10+0.5 x 0.3+0.2				=1.01
1-74 x 34+35 x 0.3+0.45				=12.67
1-30 x 18+24 x 0.3+0.45				=2.13
1-50 x 40+30 x 0.3+0.45				=14.25
1-35 x 14+10 x 0.3+0.45				=1.68

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
1x 7x	3.4+3.5			0.6+0.5	12.47
1x 1.1x	1.5+2.0			0.3+0.2	20.47
1x 3x	1.8+2.0			0.3+0.5	2.13
1x 15x	2.1+1.8			0.4+0.3	1.84
1x 3.5x	3.4+2.6			0.45+0.3	23.8
1x 1.0x	1.0			0.3+0.2	0.25
1x 1.5x	1.5+1.4			0.3+0.2	0.54
1x 8x	2.5+2.4			0.45+0.3	7.35

1x 5.1x	2.4+1.8			0.45+0.3	3.56
1x 2.1x	2.4+1.8			0.45+0.3	14.21
1x 2.1x	3.0+2.8			0.45+0.3	2.47
1x 5.0x	2.4+1.8			0.45+0.3	3.51
1x 4.1x	1.6+0.8			0.3+0.2	0.30
1x 3.0x	2.1+1.8			0.45+0.3	2.43
1x 2.0x	1.8+0.9			0.45+0.3	0.71
5x 1.0x	1.0+0.9			0.3+0.2	1.15
1x 4.0x	1.25+1.0			0.3+0.2	1.15
1x 4.5x	2.5+2.3			0.45+0.3	2.45
8x 1.0x	1.0+0.8			0.3+0.2	1.60

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
	1	2.6	1.1	0.8	$\frac{2.6 \times 1.1 + 0.8}{2} \times 0.3 + 0.2 = 0.45$
	2	3.0	1.5	1.3	$\frac{3.0 \times 1.5 + 1.3}{2} \times 0.3 + 0.2 = 2.1$
	3	2.0	1.5	1.4	$\frac{2.0 \times 1.5 + 1.4}{2} \times 0.2 + 0.3 = 1.4$
	4	4.0	3.1	2.8	$\frac{4.0 \times 3.1 + 2.8}{2} \times 0.45 + 0.3 = 4.3$
	5	1.5	2.0	1.6	$\frac{1.5 \times 2.0 + 1.6}{2} \times 0.3 + 0.3 = 1.68$
	6	3.1	1.5	1.3	$\frac{3.1 \times 1.5 + 1.3}{2} \times 0.3 + 0.2 = 1.05$
	7	1.1	1.0	0.6	$\frac{1.1 \times 1.0 + 0.6}{2} \times 0.3 + 0.2 = 0.45$
	8	4.0	2.0	1.8	$\frac{4.0 \times 2.0 + 1.8}{2} \times 0.3 + 0.2 = 1.90$
	9	2.5	2.0	1.8	$\frac{2.5 \times 2.0 + 1.8}{2} \times 0.45 + 0.3 = 1.78$
	10	2.5	1.5	1.4	$\frac{2.5 \times 1.5 + 1.4}{2} \times 0.45 + 0.3 = 1.36$
	11	9.5	4.0	3.8	$\frac{9.5 \times 4.0 + 3.8}{2} \times 0.6 + 0.45 = 19.45$
	12	3.0	1.0	0.5	$\frac{3.0 \times 1.0 + 0.5}{2} \times 0.3 + 0.2 = 0.67$
	13	2.0	1.0	0.5	$\frac{2.0 \times 1.0 + 0.5}{2} \times 0.3 + 0.2 = 0.90$
	14	3.0	1.0	0.8	$\frac{3.0 \times 1.0 + 0.8}{2} \times 0.3 + 0.2 = 0.69$
	15	2.0	2.0	1.0	$\frac{2.0 \times 2.0 + 1.0}{2} \times 0.3 + 0.2 = 0.75$
	16	2.0	2.0	1.5	$\frac{2.0 \times 2.0 + 1.5}{2} \times 0.45 + 0.3 = 15.0$
	17	3.0	1.5	2.0	$\frac{3.0 \times 1.5 + 2.0}{2} \times 0.3 + 0.2 = 1.40$
	18	6.1	3.75	3.15	$\frac{6.1 \times 3.75 + 3.15}{2} \times 0.6 + 0.45 = 11.65$
	19	3.1	3.1	2.8	$\frac{3.1 \times 3.1 + 2.8}{2} \times 0.45 + 0.3 = 3.24$
	20	4.5	4.0	3.8	$\frac{4.5 \times 4.0 + 3.8}{2} \times 0.6 + 0.45 = 9.21$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 5.0 x 1.5 + 1.3 x 0.3 + 0.2					= 1.75
1 x 2.1 x 3.1 + 1.8 x 0.3 + 0.2					= 0.05
1 x 2.1 x 1.0 + 1.8 x 0.3 + 0.2					= 4.5 m
1 x 5.0 x 3.1 + 2.0 x 1.45 + 0.3					= 4.68
1 x 8.0 x 2.0 + 1.8 x 0.45 + 1.3					= 5.7
1 x 1.1 x 1.57 + 1.3 x 0.3 + 0.2					= 0.75
1 x 1.0 x 0.4 + 1.3 x 0.45 + 0.3					= 13.5 m
1 x 5.0 x 4.0 + 3.8 x 0.45 + 0.5					= 18.30

$$1 \times 5.1 \times \frac{2.4 + 1.5}{2} \times \frac{1.45 + 1.3}{2} = 3.51$$

$$1 \times 5.1 \times \frac{1.1 + 0.8}{2} \times \frac{0.75 + 0.2}{2} = 1.12$$

$$1 \times 2.1 \times \frac{1.4 + 0.8}{2} \times \frac{0.75 + 0.2}{2} = 1.45$$

$$2 \times 1.1 \times \frac{1.4 + 0.8}{2} \times \frac{0.75 + 0.2}{2} = 0.55$$

$$1 \times 2.0 \times \frac{2.1 + 1.8}{2} \times \frac{0.3 + 0.2}{2} = 0.55$$

$$1 \times 5.1 \times \frac{2.1 + 2.0}{2} \times \frac{0.45 + 0.3}{2} = 4.21$$

$$2 \times 1.4 \times \frac{1.4 + 0.9}{2} \times \frac{0.3 + 0.2}{2} = 0.49$$

$$2 \times 3.4 \times \frac{2.4 + 1.5}{2} \times \frac{1.45 + 0.2}{2} = 14.40$$

$$1 \times 2.34 \times \frac{2.4 + 1.5}{2} \times \frac{0.3 + 0.2}{2} = 0.76$$

$$1 \times 3.0 \times \frac{2.5 + 3.4}{2} \times \frac{0.45 + 0.3}{2} = 3.19$$

$$1 \times 4.5 \times \frac{4.4 + 3.6}{2} \times \frac{0.45 + 0.2}{2} = 3.09$$

Continuation

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Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
1 x 3.0 x 2.4	1	3.0	2.4	$\frac{3.0 \times 2.4}{2} = 3.6$
1 x 3.4 x 2.4	1	3.4	2.4	$\frac{3.4 \times 2.4}{2} = 4.08$
1 x 3.5 x 3.5	1	3.5	3.5	$\frac{3.5 \times 3.5}{2} = 6.125$
1 x 4.4 x 2.4	1	4.4	2.4	$\frac{4.4 \times 2.4}{2} = 5.28$
1 x 2.5 x 1.4	1	2.5	1.4	$\frac{2.5 \times 1.4}{2} = 1.75$
1 x 7.1 x 4.3	1	7.1	4.3	$\frac{7.1 \times 4.3}{2} = 15.365$
1 x 4.1 x 1.5	1	4.1	1.5	$\frac{4.1 \times 1.5}{2} = 3.075$
1 x 12.0 x 4.2	1	12.0	4.2	$\frac{12.0 \times 4.2}{2} = 25.2$
4 x 1.8 x 1.4	4	1.8	1.4	$\frac{4 \times 1.8 \times 1.4}{2} = 5.04$
1 x 2.8 x 2.4	1	2.8	2.4	$\frac{2.8 \times 2.4}{2} = 3.36$
1 x 1.5 x 1.4	1	1.5	1.4	$\frac{1.5 \times 1.4}{2} = 1.05$
3 x 1.1 x 1.4	3	1.1	1.4	$\frac{3 \times 1.1 \times 1.4}{2} = 2.31$
1 x 2.4 x 1.5	1	2.4	1.5	$\frac{2.4 \times 1.5}{2} = 1.8$
1 x 1.4 x 1.4	1	1.4	1.4	$\frac{1.4 \times 1.4}{2} = 0.98$
3 x 1.4 x 1.4	3	1.4	1.4	$\frac{3 \times 1.4 \times 1.4}{2} = 2.94$
1 x 2.5 x 2.4	1	2.5	2.4	$\frac{2.5 \times 2.4}{2} = 3.0$
1 x 3.5 x 3.5	1	3.5	3.5	$\frac{3.5 \times 3.5}{2} = 6.125$
1 x 5.4 x 4.3	1	5.4	4.3	$\frac{5.4 \times 4.3}{2} = 11.61$
1 x 6.0 x 1.5	1	6.0	1.5	$\frac{6.0 \times 1.5}{2} = 4.5$

Continuation

2 = 3.15

[illegible]

