

FDR-2020-2021

Schedule XLV-Form No. 134

Mahiyarpur to Manoharpur

Manihari

DIVISION

Manihari

SUB-DIVISION

MEASUREMENT BOOK

353
8/11/2020

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.	

Name of work— Mahiyarpur

To Manoharpur

Agency— Departmental

Year— F. D. R. Part II (2022)

Length— 6.180 KM

Items Providing and
laying of Brick
Bats — — — — — E/2

Calculation of Brick Bats

$$20.00 \times \frac{2.90 + 3.40}{2} \times \frac{1.00 + 0.90}{2} = 59.850 \text{ m}^3$$

$$36.00 \times \frac{2.50 + 3.90}{2} \times \frac{1.00 + 0.90}{2} = 109.440 \text{ m}^3$$

$$2.00 \times \frac{2.50 + 2.90}{2} \times \frac{0.90 + 0.80}{2} = 4.590 \text{ m}^3$$

$$30.00 \times \frac{2.60 + 3.20}{2} \times \frac{0.90 + 0.80}{2} = 73.950 \text{ m}^3$$

$$2.00 \times \frac{4.00 + 2.60 + 3.10}{2} \times \frac{1.00 + 0.90}{2} = 21.660 \text{ m}^3$$

$$12.00 \times \frac{2.60 + 3.00}{2} \times \frac{1.10 + 1.00}{2} = 35.280 \text{ m}^3$$

$$20.00 \times \frac{2.00 + 2.60}{2} \times \frac{1.10 + 1.00}{2} = 48.300 \text{ m}^3$$

$$31.00 \times \frac{2.60 + 3.60}{2} \times \frac{1.60 + 1.00}{2} = 124.930 \text{ m}^3$$

$$2.00 \times \frac{2.90 + 3.00}{2} \times \frac{1.10 + 1.00}{2} = 15.975 \text{ m}^3$$

$$26.50 \times \frac{2.10 + 3.10}{2} \times \frac{1.60 + 1.00}{2} = 89.570 \text{ m}^3$$

$$14.00 \times \frac{2.90 + 3.30}{2} \times \frac{1.90 + 1.60}{2} = 30.850 \text{ m}^3$$

$$15.60 \times \frac{2.60 + 2.10}{2} \times \frac{1.85 + 1.50}{2} = 61.406 \text{ m}^3$$

$$3.50 \times \frac{1.00 + 0.90}{2} \times \frac{0.60 + 0.80}{2} = 2.328 \text{ m}^3$$

$$11.60 \times \frac{1.20 + 1.05}{2} \times \frac{0.60 + 0.80}{2} = 9.947 \text{ m}^3$$

$$3.50 \times \frac{1.30 + 1.40}{2} \times \frac{0.60 + 0.70}{2} = 2.730 \text{ m}^3$$

$$9.50 \times \frac{1.40 + 1.20}{2} \times \frac{0.60 + 0.70}{2} = 8.028 \text{ m}^3$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
17.50 x	$\frac{2.30 + 2.90}{2}$		$\frac{1.00 + 0.90}{2}$		43.223 ³
10.00 x	$\frac{2.50 + 2.30}{2}$		$\frac{0.70 + 0.80}{2}$		22.100 ³
17.00 x	$\frac{2.60 + 3.60}{2}$		$\frac{1.20 + 1.10}{2}$		60.605 ³
21.00 x	$\frac{2.30 + 3.50}{2}$		$\frac{1.00 + 0.90}{2}$		57.855 ³
3.00 x	$\frac{1.50 + 1.60}{2}$		$\frac{1.00 + 0.90}{2}$		4.418 ³
22.00 x	$\frac{2.90 + 2.50}{2}$		$\frac{1.20 + 1.10}{2}$		68.310 ³
35.00 x	$\frac{2.50 + 3.40}{2}$		$\frac{1.00 + 0.90}{2}$		98.088 ³
14.00 x	$\frac{2.30 + 3.20}{2}$		$\frac{1.10 + 1.00}{2}$		40.425 ³
9.00 x	$\frac{2.60 + 2.10}{2}$		$\frac{0.90 + 0.60}{2}$		11.633 ³
3.00 x	$\frac{1.00 + 2.75}{2}$		$\frac{1.00 + 0.75}{2}$		9.844 ³
2.50 x 7.50 x	$\frac{2.50 + 3.60}{2}$				
	$\frac{1.10 + 1.00}{2}$				48.038 ³
3.00 x	$\frac{1.50 + 1.60}{2}$		$\frac{1.00 + 0.90}{2}$		4.650 ³

Total = 360.02³Deduction

4.00 x	$\frac{1.50 + 1.10}{2}$		$\frac{0.90 + 0.80}{2}$		4.550 ³
15.60 x	$\frac{1.10 + 1.00}{2}$		$\frac{0.90 + 0.80}{2}$		13.923 ³
3.50 x	$\frac{1.00 + 0.90}{2}$		$\frac{0.60 + 0.50}{2}$		2.328 ³
10.00 x	$\frac{1.20 + 1.10}{2}$		$\frac{1.00 + 0.90}{2}$		10.925 ³
6.00 x	$\frac{0.90 + 0.85}{2}$		$\frac{0.50 + 0.40}{2}$		3.419 ³
12.00 x	$\frac{1.20 + 1.10}{2}$		$\frac{1.00 + 0.90}{2}$		13.455 ³
20.00 x	$\frac{1.20 + 1.10}{2}$		$\frac{1.00 + 0.90}{2}$		21.450 ³
3.50 x	$\frac{1.00 + 0.90}{2}$		$\frac{0.50 + 0.40}{2}$		2.496 ³
6.00 x	$\frac{0.70 + 0.85}{2}$		$\frac{0.50 + 0.40}{2}$		1.569 ³
9.00 x	$\frac{1.50 + 1.60}{2}$		$\frac{1.00 + 0.90}{2}$		14.648 ³
5.80 x	$\frac{1.50 + 1.60}{2}$		$\frac{1.00 + 0.90}{2}$		9.490 ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
22.00 x	$\frac{1.45+1.20}{2}$	$\frac{1.10+1.00}{2}$			30.030 m ³
5.00 x	$\frac{1.00+0.90}{2}$	$\frac{0.70+0.80}{2}$			3.563 m ³
14.00 x	$\frac{1.20+1.10}{2}$	$\frac{1.00+0.90}{2}$			15.295 m ³
9.00 x	$\frac{1.00+0.90}{2}$	$\frac{0.40+0.50}{2}$			3.848 m ³
10.00 x	$\frac{1.20+1.10}{2}$	$\frac{1.00+0.95}{2}$			11.213 m ³
11.60 x	$\frac{1.10+0.95}{2}$	$\frac{0.80+0.80}{2}$			9.809 m ³
3.50 x	$\frac{1.00+0.80}{2}$	$\frac{0.60+0.20}{2}$			2.048 m ³
Total =					173.40 m ³

Item No. 2 Supplying of
empty cement bag
and labour - Etc

Calculation of empty cement
bag

20.00 x	1.90 x	1.00	=	38.00 m ³
2.50 x	1.20 x	0.90	=	2.70 m ³
2.00 x	1.50 x	1.00	=	3.00 m ³
30.00 x	0.90 x	0.35	=	20.25 m ³
240 x	4.00 x	1.10 x 0.60	=	2.64 m ³
12.00 x	1.90 x	0.70	=	15.96 m ³
3.50 x	1.20 x	1.00	=	4.20 m ³
4.00 x	1.90 x	0.80	=	5.92 m ³
15.00 x	1.50 x	0.80	=	18.72 m ³
3.50 x	1.90 x	1.10	=	7.32 m ³
Total =				118.11 m ³

Item No. 2 S/F/Fixing 62m
to 25mm dia bamboo
piles in size

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Item No. 1</u> - Providing and laying of Brick Bats ---					
--- E/I					
Calculation of Brick					
2184.33 - (173.40 + 100.45)				2189.22	
@ Rs - 1717.370/m ²					Rs 1835034.747
<u>Item No. 2</u> - Supplying & empty cement bag and labour					
--- E/I					
118.11 / 0.034 = 3474 m ²					
@ Rs - 32.140/m ²					Rs 111643.962
<u>Item No. 3</u> - S/E/Fixing 62 mm to 75 mm dia bamboo piles in size --- E/I					
337 x 3 = 1011.00					
@ Rs - 47.58/m ²					Rs 48203.980
<u>Item No. 4</u> - Supplying of fitting and fixing Bamboo --- E/I					
97.10 x 4 = 388.40					
@ Rs - 24.71/m ²					Rs 9597.364
<u>Item No. 5</u> - Supplying fitting & fixing in position --- E/I					

Continuation

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