

FDR-2020-2021

Schedule XLV-Form No. 134

Katihar Manihari FWD Road To Waza Tola
Manihari
DIVISION

Manihari
SUB-DIVISION

MEASUREMENT BOOK

330

8/11/20

Name for work—

1

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—					
Manihari PWD Road To Masra Tola.					
Agency—					
Departmental					
Year—					
F.D.R Part A (2020)					
Length—					
1.887 Km					
Item No—					
4—					
(Providing and					
Laying of Brick Bats)—					
— EI					

(Calculation of brick Bats)

NO X 3.50 X	$\frac{3.10 + 4.60}{2}$	X	$\frac{1.00 + 0.90}{2}$	= 25.63 m ²
10.50 X	$\frac{2.30 + 3.20}{2}$	X	$\frac{1.10 + 1.00}{2}$	= 30.31 m ²
20.00 X	$\frac{2.30 + 3.20}{2}$	X	$\frac{1.00 + 0.90}{2}$	= 52.25 m ²
3.50 X	$\frac{2.60 + 2.75}{2}$	X	$\frac{1.20 + 1.00}{2}$	= 10.29 m ²
6.00 X	$\frac{2.10 + 2.50}{2}$	X	$\frac{1.30 + 1.00}{2}$	= 15.87 m ²
4.00 X	$\frac{2.80 + 3.10}{2}$	X	$\frac{1.10 + 1.00}{2}$	= 11.76 m ²
15.60 X	$\frac{2.60 + 3.00}{2}$	X	$\frac{1.10 + 1.00}{2}$	= 45.86 m ²
19.00 X	$\frac{2.90 + 3.30}{2}$	X	$\frac{1.20 + 1.10}{2}$	= 67.73 m ²
2.50 X	$\frac{1.20 + 1.50}{2}$	X	$\frac{0.80 + 0.60}{2}$	= 2.36 m ²
2.00 X	$\frac{2.90 + 3.20}{2}$	X	$\frac{1.20 + 1.10}{2}$	= 7.015 m ²
29.00 X	$\frac{2.90 + 3.50}{2}$	X	$\frac{1.00 + 1.10}{2}$	= 97.44 m ²

Continuation 2—

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$3.50 \times \frac{1.00 + 1.70}{2} \times 0.80$					3.063 m^3
$11.60 \times \frac{1.20 + 1.40}{2} \times 0.60$					10.556 m^3
$3.50 \times \frac{1.20 + 1.40}{2} \times 0.60$					3.071 m^3
$9.50 \times \frac{1.40 + 1.50}{2} \times 0.60$					8.954 m^3
$7.50 \times \frac{1.20 + 2.00}{2} \times 0.80$					9.000 m^3
$10.00 \times \frac{2.50 + 2.70}{2} \times 1.60$					40.300 m^3
$17.00 \times \frac{2.00 + 4.60}{2} \times 1.20$					61.710 m^3
$1.40 \times 7.30 \times \frac{3.0 + 4.60}{2} \times 1.00$					26.700 m^3
$31.35 \times \frac{2.60 + 3.50}{2} \times 1.10$					105.179 m^3
$19.00 \times \frac{2.50 + 3.70}{2} \times 1.00$					58.900 m^3
$13.00 \times \frac{2.50 + 3.50}{2} \times 1.00$					39.000 m^3
$3.00 \times \frac{1.50 + 1.70}{2} \times 1.00$					5.040 m^3
$3.00 \times \frac{1.50 + 2.00}{2} \times 1.00$					5.513 m^3

$22.00 \times \frac{2.60 + 3.60}{2} \times 1.00$					
$1.00 + 0.90$					64.790 m^3
$5.00 \times \frac{1.50 + 2.70}{2} \times 1.00$					10.500 m^3
$14.00 \times \frac{2.90 + 3.80}{2} \times 1.20$					51.590 m^3
$9.00 \times \frac{2.60 + 3.40}{2} \times 1.20$					29.700 m^3
$3.00 \times \frac{1.00 + 2.75}{2} \times 1.00$					5.625 m^3
Total =					905.71 m^3

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Deduction					
4.00 x	$\frac{1.50+1.10}{2}$	$\times \frac{0.90+0.85}{2}$			4.550 m ³
15.60 x	$\frac{1.10+1.00}{2}$	$\times \frac{0.90+0.80}{2}$			13.423 m ³
3.50 x	$\frac{1.00+0.90}{2}$	$\times \frac{0.60+0.50}{2}$			2.328 m ³
10.00 x	$\frac{1.20+1.10}{2}$	$\times \frac{1.00+0.90}{2}$			10.925 m ³
6.00 x	$\frac{0.90+0.85}{2}$	$\times \frac{0.70+0.60}{2}$			3.413 m ³
12.00 x	$\frac{1.20+1.10}{2}$	$\times \frac{1.00+0.90}{2}$			13.455 m ³
20.00 x	$\frac{1.20+1.00}{2}$	$\times \frac{1.00+0.90}{2}$			21.450 m ³
3.50 x	$\frac{1.00+0.90}{2}$	$\times \frac{0.50+0.40}{2}$			1.496 m ³
6.00 x	$\frac{0.90+0.85}{2}$	$\times \frac{0.50+0.40}{2}$			1.969 m ³
9.00 x	$\frac{1.50+1.60}{2}$	$\times \frac{1.00+1.10}{2}$			14.648 m ³
5.80 x	$\frac{1.50+1.60}{2}$	$\times \frac{1.00+1.10}{2}$			9.440 m ³
22.00 x	$\frac{1.40+1.20}{2}$	$\times \frac{1.10+1.00}{2}$			30.030 m ³
5.00 x	$\frac{0.95+0.90}{2}$	$\times \frac{0.70+0.60}{2}$			3.469 m ³
14.00 x	$\frac{1.40+1.20}{2}$	$\times \frac{1.00+0.90}{2}$			13.290 m ³
9.00 x	$\frac{1.00+0.90}{2}$	$\times \frac{0.40+0.30}{2}$			3.848 m ³
10.00 x	$\frac{1.20+1.10}{2}$	$\times \frac{1.00+0.90}{2}$			11.213 m ³
11.60 x	$\frac{1.10+1.00}{2}$	$\times \frac{0.95+0.90}{2}$			11.267 m ³
3.50 x	$\frac{1.00+0.80}{2}$	$\times \frac{0.60+0.50}{2}$			2.048 m ³
Total =					176.76 m ³
Item No. 2 - Supply of					
empty cement bag					
and labour - - - E/I					
Calculation of empty bag					
240 x	3.50 x	1.00 x	0.50 =		3.50 m ³
	10.50 x	1.95 x	0.85 =		17.40 m ³
	20.00 x	1.50 x	0.90 =		30.60 m ³

Continuation

[illegible]

Item No 1 - Providing and	
laying of Brick	
Bats - - - - - E/I	
$905.71 / (176.46 + 116.28) = 2612.67$	
@ Rs - 1717.370 / m ² Rs - 1052181.68	
Item No 2 - Supplying of	
empty cement-bag	
and labour - - -	
- - - - - E/I	
$116.28 / 0.0034 = 3420 M$	
@ Rs - 32.140 / m ² Rs - 109917.68	
Item No 3 - S/F / Fixing 62 mm	
to 75 mm dia bamboo	
pipe in size - - -	

Continuation

Continuation