

FDR-2020-2021

Schedule XLV-Form No. 134

PMGSY Mauwabganj-Simlapara Road To
Mishad Tola

Manihar DIVISION

Manihari SUB-DIVISION

MEASUREMENT BOOK

327
8/11/2020

1
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 - PMHSY					
Nawabganj -					
Simlapara Road					
To Nishad Tola					
Agency - Departmental					
Year - F.D.R Part A (2020)					
Length - 1.590 Km					
Item No 1 - Providing and					
laying of Brick					
Bats - --- E/I					

Calculation of Brick Bat					
Ch-190-230	1 NO X	14.00	X	$\frac{1.20+1.30}{2}$	
			X	$\frac{1.60+1.70}{2}$	28.88 m ³
1 NO X 26.00 X			$\frac{1.60+2.20}{2}$	X $\frac{0.30+0.60}{2}$	23.47 m ³
1 NO X 7.00 X			$\frac{1.60+2.20}{2}$	X 0.85	11.31 m ³
Ch 215-225	1 NO X	4.50	X	$\frac{1.20+1.25}{2}$	
			X	$\frac{1.60+1.70}{2}$	9.10 m ³
1 NO X 6.50			X $\frac{1.65+1.95}{2}$	X	
			$\frac{0.20+0.25}{2}$	=	2.63 m ³
Ch-260-275	1 NO X	12.50	X	$\frac{1.50+1.60}{2}$	
			X $\frac{1.40+1.60}{2}$	=	29.06 m ³
2 NO X 30.00 X			$\frac{2.75+3.00}{2}$	X	
			X $\frac{1.10+0.65}{2}$	=	150.94 m ³
1 NO X 28.00 X			$\frac{2.85+3.00}{2}$	X	
			X $\frac{0.50+1.00}{2}$	=	61.43 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Ch-380-410	1 NO	30.00	X 1.40		
		$\frac{1.40+1.50+1.60}{3}$	X $\frac{1.40+1.60}{2}$		63.00 m ³
1 NO	11.30	X $\frac{2.75+2.90}{2}$	X $\frac{0.30+0.50}{2}$		12.77 m ³
Ch-400-450 R	1 NO	30.00			
		X $\frac{1.40+1.50+1.60}{3}$	X $\frac{1.40+1.60}{2}$		63.00 m ³
1 NO	30.00	X $\frac{2.75+3.00}{2}$	X $\frac{1.10+0.65}{2}$		75.47 m ³
Ch-500-525 R	1 NO	22.00	X		
		$\frac{1.40+1.50+1.60}{3}$	X $\frac{1.40+1.60}{2}$		49.50 m ³
2 NO	9.10	X $\frac{3.00+2.80}{2}$	X $\frac{0.70+1.00}{2}$		44.86 m ³
1 NO	14.00	X $\frac{1.25+1.50}{2}$	X $\frac{1.70+1.85}{2}$		34.79 m ³
Ch-525-540 R	1 NO	12.00	X		
		$\frac{1.60+1.70}{2}$	X $\frac{1.40+1.60}{2}$		29.70 m ³
Ch-545-570	1 NO	21.00	X		
		$\frac{1.50+2.10+1.60}{3}$	X $\frac{1.40+1.60}{2}$		54.60 m ³
1 NO	16.50	X $\frac{1.55+1.80}{2}$	X $\frac{1.00+0.90}{2}$		26.29 m ³
Ch-560-580 R	1 NO	15.00			
		X $\frac{1.50+1.55}{2}$	X $\frac{1.40+1.60}{2}$		34.31 m ³
1 NO	7.50	X $\frac{2.55+2.85}{2}$			
		X 0.80			16.20 m ³
1 NO	9.15	X $\frac{2.60+1.90}{2}$	X 0.80		16.47 m ³
Ch-650-685	1 NO	15.30	X $\frac{1.20+1.50}{2}$		
		X $\frac{1.00+1.10}{2}$			14.83 m ³
Ch-800-820 R	1 NO	17.20	X		
		$\frac{1.20+1.40}{2}$	X $\frac{1.00+1.25}{2}$		22.92 m ³
1 NO	15.00	X $\frac{2.60+2.40}{2}$	X 0.80		32.00 m ³
1 NO	8.11	X $\frac{2.65+2.70}{2}$	X 0.80		17.98 m ³
Ch-930-940 R	1 NO	7.00	X		
		$\frac{1.20+1.30}{2}$	X $\frac{1.20+1.30}{2}$		10.94 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Ch-940-950 R	1 NO	6.00			
		$\frac{1.10+1.30}{2} \times \frac{1.20+1.40}{2}$			9.36 m^3
1 NO	12.10	$\frac{2.85+2.90}{2}$			
		$\frac{2.55+2.90}{2}$			91.50 m^3
Ch-980-1000 R	1 NO	12.10			
		$\frac{1.20+1.40}{2} \times \frac{1.20+1.30}{2}$			19.50 m^3
1 NO	3.10	$\frac{2.13+1.55}{2}$	$\frac{0.95+1.56}{2}$		7.16 m^3
Ch-1020-1035 R	1 NO	11.50			
		$\frac{1.20+1.40}{2} \times \frac{1.40+1.60}{2}$			22.43 m^3
1 NO	15.80	$\frac{2.85+3.30}{2}$			
		$\times \frac{0.30+0.35}{2}$			15.79 m^3
Ch-1110-1140 R	1 NO	25.30			
		$\frac{1.20+1.30}{2} \times \frac{1.40+1.60}{2}$			47.44 m^3
1 NO	15.10	$\frac{2.65+2.55}{2}$	$\frac{0.65+0.65}{2}$		29.52 m^3
Ch-1400-1430 R	1 NO	20.40			
		$\frac{1.30+1.40}{2} \times \frac{0.90+0.80}{2}$			23.41 m^3
Ch-1450-1475 R	1 NO	24.60			
		$\times \frac{1.20+1.30}{2} \times \frac{0.90+0.85}{2}$			25.37 m^3
1 NO	28.20	$\frac{2.50+3.50}{2}$			
		$\times \frac{1.43+0.60}{2}$			85.87 m^3
1 NO	6.10	$\frac{2.50+3.10}{2}$			
		$\frac{1.00+0.90}{2}$			16.23 m^3
1 NO	28.00	$\frac{1.65+2.95}{2}$			
		$\times \frac{0.15+0.40}{2}$			17.71 m^3
Ch-1500-1515 R	1 NO	14.40			
		$\times \frac{1.00+2.00}{2} \times \frac{1.00+0.90}{2}$			20.52 m^3
1 NO	30.00	$\frac{2.00+3.10}{2}$	$\frac{1.43+0.60}{2}$		77.65 m^3

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 NO x 4.10 x 1.25 + 1.55 x 1.20 + 1.85		$\frac{1.25+1.55}{2}$	$\frac{1.20+1.85}{2}$		10.19 m ³
1 NO x 6.20 x 1.55 + 1.85		$\frac{1.55+1.85}{2}$	$\frac{0.90+0.80}{2}$		8.83 m ³
Ch-1560-1585 R	1 NO x	14.50 x			
		$\frac{1.00+1.10}{2}$ x	$\frac{1.00+0.90}{2}$		14.46 m ³
1 NO x 30.00 x		$\frac{1.60+2.20}{2}$	$\frac{1.00+0.80}{2}$		51.30 m ³
1 NO x 30.00 x		$\frac{2.20+2.90}{2}$	$\frac{1.00+0.90}{2}$		64.13 m ³
				$\frac{Total}{2}$	1561.87 m ³
Deduction					
2 NO x 30.00 x		$\frac{1.00+0.95}{2}$ x			
		$\frac{0.70+0.60}{2}$			38.03 m ³
Ch-500-525 R	1 NO x	22.00 x			
		$\frac{1.10+1.00+0.80+0.40+0.30}{2}$ x			7.44 m ³
2 NO x 9.10 x		$\frac{0.50+0.70}{2}$ x	$\frac{0.25+0.30}{2}$		3.75 m ³
2 NO x 28.00 x		$\frac{1.10+0.95}{2}$ x	$\frac{0.80+0.70}{2}$		38.85 m ³
1 NO x 9.45 x		$\frac{1.10+0.95}{2}$ x	$\frac{0.40+0.30}{2}$		3.57 m ³
Ch-650-685	1 NO x	11.30 x	$\frac{0.85+0.20}{2}$		
		$\frac{0.40+0.50}{2}$			2.67 m ³
Ch-800-820 R	1 NO x	17.20 x			
		$\frac{1.00+0.95}{2}$ x	$\frac{0.70+0.50}{2}$		10.06 m ³
1 NO x 15.80 x		$\frac{1.00+1.10}{2}$ x	$\frac{0.15+0.12}{2}$		2.24 m ³
Ch-1110-1140 R	1 NO x	25.30			
		$\frac{1.00+0.95}{2}$ x	$\frac{0.70+0.40}{2}$		11.10 m ³
2 NO x 15.10 x		$\frac{1.00+0.95}{2}$ x			
		$\frac{0.60+0.70}{2}$			19.14 m ³
Ch-1400-1430 R	1 NO x	20.40 x			
		$\frac{1.00+0.60}{2}$ x	$\frac{0.80+0.60}{2}$		11.42 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 NO X 30.00 X $\frac{1.10+1.00}{2}$					
			$\times 0.95 + 0.60 =$		48.83 m ³
Ch-1450-1475 R 1 NO X 24.60					
		$\times \frac{1.20+1.30}{2}$	$\times \frac{0.60+0.50}{2} =$		16.91 m ³
1 NO X 28.20 X $\frac{1.20+1.30}{2}$ X $\frac{1.10+1.15}{2}$					32.61 m ³
1 NO X 6.10 X $\frac{1.00+1.10}{2}$ X $\frac{0.95+1.00}{2}$					3.68 m ³
1 NO X 30.00 X $\frac{1.10+0.95}{2}$ X $\frac{0.50+0.55}{2}$					16.14 m ³
1 NO X 30.00 X $\frac{1.10+1.00}{2}$ X $\frac{0.95+0.50}{2}$					22.05 m ³
1 NO X 16.40 X $\frac{0.65+0.70}{2}$					
		$\times \frac{0.15+0.20}{2} =$			1.94 m ³
				Total =	290.43 m ³
<u>Item no 2 - Supply of</u>					
empty cement					
bag and labour					
- - - E/L					
<u>Calculation of empty cement</u>					
22.00 X 1.60 X 1.00 =					35.20 m ³
7.10 X 1.40 X 0.95 =					12.10 m ³
11.30 X 0.50 X 0.85 =					4.80 m ³
17.20 X 1.30 X 0.75 =					16.77 m ³
15.80 X 1.10 X 0.65 =					11.30 m ³
25.30 X 1.40 X 0.55 =					19.48 m ³
15.10 X 1.70 X 1.00 =					25.67 m ³
20.40 X 1.60 X 0.95 =					31.01 m ³
24.60 X 1.20 X 0.85 =					25.09 m ³
6.10 X 2.00 X 0.75 =					9.15 m ³
16.40 X 1.40 X 1.00 =					22.96 m ³

Continuation

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

Total = 213.53

Item No 3 - S/F/Fixing 62m
to 7mm dia bamboo

Piles in size --- 12

Calculation of Bamboo Pile

length	width	No
22.00	0.302	73 NO
9.10	0.302	30 NO
11.30	0.302	38 NO
18.20	0.302	57 NO
18.80	0.302	53 NO
25.30	0.302	84 NO
15.10	0.302	50 NO
20.40	0.302	68 NO
24.60	0.302	82 NO
6.10	0.302	20 NO
16.40	0.302	55 NO
Total 183.30		= 611 NO

[Signature]
19/3/07
JE

Abstract post

Name of work - PMGSY
Nawabganj - Sim
lapara Road to

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
To Michael Tola Agency- Departmental Year- F.D.R Part A (2020) length- 1.590 km					
<u>Item No 1</u> - Providing and laying of Bitum Beds - - - E/L					
1561.87 - (27043+21353) = 105790					
@ Rs- 1717370 / m ² Rs- 1816803532					
<u>Item No 2</u> - Supplying of empty cement bag - - - E/L					
213.53 / 0.034 = 6280 m ²					
@ Rs- 32.140 / m ² Rs- 201851961					
<u>Item No 3</u> - 1/F/Fixing 60 mm to 75 mm dia bamboo Piles in size - - - - - - E/L					
611 X 3 = 1833.00					
@ Rs- 42.58 / m ² Rs- 84214.140					
<u>Item No 4</u> - Supplying biting and fixing Bamboo runner - - - E/L					
183.30 X 4 = 733.20 m ²					
@ Rs- 2471 / m ² Rs- 18117.372					
<u>Item No 5</u> - Supplying biting and fixing in					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Position plot					
E/C					
18330X2=366.60'					
@ Rs-221.67/m ² Rs.					81271.554
Total Rs-					2205258.553
Say Rs-					22.053
G.S.T @ 12% Rs-					2.646
L.C. @ 1% Rs-					0.222
Total Rs-					24.919
Linear					23.750
					19/3/21
					JE