

167 FDR 2020-21

Schedule XLV-Form No. 134

PMGSY ROAD TO DILARPUR HATCHOWK

DIVISION

MANI HART

SUB-DIVISION

MEASUREMENT BOOK

348
08/11/2020

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
 the measurements relating to each work.)

(these to be filled in the measurements relating to each work.)					Contents area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
Name of work → Repairing of Masonry Road to Dharapur Haf Chawk					
Agency - Department					
Year - F. D. R. Part A (2020)					
Length - 3.500 KM					
Item NO. - Providing & laying of Brick Bats - E/L					
<u>Calculation of Brick Bats</u>					
1 NO x 3.00 x 1.50 x 0.50 =					2.25 m ³
1 NO x 3.20 x 1.50 x 0.50 =					2.40 m ³
1 NO x 2.10 x 1.50 x 0.50 =					1.575 m ³
1 NO x 4.00 x 1.50 x 0.60 =					3.60 m ³
1 NO x 14.50 x $\frac{3.20+2.50}{2}$ x $\frac{1.60+1.40}{2}$ =					61.99 m ³
2 NO x 25.00 x $\frac{3.00+2.90}{2}$ x $\frac{2.10+1.90}{2}$ =					295.00 m ³
1 NO x 15.50 x $\frac{3.60+2.10}{2}$ x $\frac{1.40+1.60}{2}$ =					66.26 m ³
1 NO x 10.00 x $\frac{2.10+1.95}{2}$ x $\frac{1.20+1.60}{2}$ =					28.35 m ³
1 NO x 9.00 x $\frac{2.50+2.10}{2}$ x $\frac{2.10+2.10}{2}$ =					83.62 m ³
1 NO x 7.00 x $\frac{3.50+3.60}{2}$ x $\frac{2.00+2.10}{2}$ =					50.94 m ³
2 NO x 15.00 x $\frac{3.00+3.20}{2}$ x $\frac{1.50+1.60}{2}$ =					144.15 m ³
1 NO x 2.00 x 1.00 x 0.50 =					1.00 m ³
1 NO x 2.60 x 1.20 x 0.50 =					1.56 m ³
1 NO x 13.00 x $\frac{3.80+3.10}{2}$ x $\frac{1.40+1.20}{2}$ =					51.55 m ³
2 NO x 15.00 x $\frac{3.20+3.00}{2}$ x $\frac{2.10+2.00}{2}$ =					190.65 m ³
2 NO x 13.60 x $\frac{2.50+2.10}{2}$ x $\frac{1.90+1.80}{2}$ =					106.35 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 NO X 14.00 X 1.20 + 2.40		$\frac{1.40+1.00}{2}$			31.50 m ³
2 NO X 15.10 X 1.30 + 2.00 X 1.60 + 1.60		$\frac{1.60+1.00}{2}$			72.25 m ³
1 NO X 8.00 X 2.50 + 2.70 X 1.90 + 1.60		$\frac{2.50+2.00}{2}$			13.05 m ³
1 NO X 10.00 X 2.60 + 1.60 X 0.50 + 0.60		$\frac{2.60+2.00}{2}$			11.55 m ³
1 NO X 9.50 X 1.50 + 2.00 X 2.75 + 1.00		$\frac{1.50+1.00}{2}$			22.86 m ³
2 NO X 25.30 X 2.00 + 2.85 X 2.10 + 1.90		$\frac{2.00+1.50}{2}$			250.44 m ³
1 NO X 13.40 X 1.40 + 1.30 X 0.60 + 0.50		$\frac{1.40+1.00}{2}$			10.40 m ³
2 NO X 17.00 X 2.10 + 1.95 X 1.00 + 0.90		$\frac{2.10+1.50}{2}$			67.13 m ³
1 NO X 6.50 X 3.10 + 2.60 X 2.00 + 1.60		$\frac{3.10+2.00}{2}$			33.35 m ³
Total =					1587.52 m ³
Deduction					
Calculation of Brick Pats					
1 NO X 7.00 X 0.95 + 0.90 X 0.80 + 0.65		$\frac{0.95+0.90}{2}$			4.69 m ³

2 NO X 15.00 X 1.50 + 1.20 X 1.00 + 0.85		$\frac{1.50+1.00}{2}$			37.46 m ³
1 NO X 2.00 X 0.40 X 0.30					0.24 m ³
1 NO X 7.10 X 0.60 X 0.35					1.49 m ³
1 NO X 4.00 X 0.70 X 0.40					1.12 m ³
1 NO X 10.00 X 0.95 + 0.60 X 0.40 + 0.35		$\frac{0.95+0.60}{2}$			2.53 m ³
2 NO X 13.60 X 1.50 + 1.20 X 1.40 + 0.90		$\frac{1.50+1.00}{2}$			33.59 m ³
1 NO X 14.00 X 0.70 + 0.85 X 0.75 + 0.40		$\frac{0.70+0.65}{2}$			11.03 m ³
1 NO X 6.50 X 0.80 + 0.65 X 0.55 + 0.40		$\frac{0.80+0.65}{2}$			2.24 m ³
1 NO X 8.00 X 1.20 + 1.00 X 0.85 + 0.60		$\frac{1.20+1.00}{2}$			6.38 m ³
2 NO X 25.50 X 1.60 + 1.00 X 0.90 + 0.85		$\frac{1.60+1.00}{2}$			58.01 m ³
Total =					158.79 m ³
Items 1102 - Supplying of empty					
Cement bag and labor					
of Filling cement bag - E/L					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
<u>Calculation of contents of area</u>					
1 No	4.00	1.50	0.50		3.00 m ³
1 No	14.50	1.10	0.25		3.99 m ³
2 No	25.00	0.90	0.50		11.25 m ³
1 No	15.50	0.50	0.40		3.10 m ³
1 No	10.00	1.20	0.60		7.20 m ³
1 No	8.00	1.00	0.70		5.60 m ³
1 No	7.00	1.20	0.35		2.94 m ³
2 No	15.00	0.75	0.50		5.63 m ³
1 No	2.00	1.50	0.60		1.80 m ³
2 No	17.00	0.75	0.35		4.46 m ³
1 No	6.50	1.40	0.40		3.64 m ³
				Total	52.61 m ³

Item No 3 - SIF/fining 62 mm
 75 mm dia bamboo
 Pile size - E/I

<u>Calculation of Bamboo pile</u>			
	Length	width	21°
1 No	4.00	0.30	13 No
1 No	14.50	0.30	48 No
1 No	25.00	0.30	83 No
1 No	15.50	0.30	52 No
1 No	10.00	0.30	33 No
1 No	8.00	0.30	27 No
1 No	7.00	0.30	23 No
1 No	15.00	0.30	50 No
1 No	2.00	0.30	9 No

Continuation

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Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
2 No	17.00	0.30	=		113.40
1 No	6.50	0.30	=		22.50
Total	17.00				472.50

1. Abstract cost

Name of work - P. N. G. Road
to Dilarpur Hat Chowk

Agency - Departmental

Year - F. P. R. Part A (2020)

Length - 3.500 Km

Item No. 2 - Provisioning of

and laging of Bitk Pak

E/L

EP

1587.52 - (158.79452.61) = 1376.52

@ Rs. 1717.370/M Rs. 2363328.74

Item No. 2 - Supplying cement

bag and labour for fitting

Cement bag - E/L

H

52.6L / 0.084 = 1547.5

@ Rs. 32.140 / No Rs. 49727.1975

Item No. 3 - 1/2" fixing 62 mm to 75 mm

dig bamboo piles in size

E/L

472 X 3 = 1416.00

@ Rs. 47.58 / MP Rs. 67325.700

Continuation

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