

2020-21

Schedule XLV-Form No. 134

LD40-TD2 Haswar to Bheryahi (Track 18)

DIVISION

MANIHART

SUB-DIVISION

MEASUREMENT BOOK

326
08/11/2020

પ્રકાશિત થિયા બાતા છે જિ રૂચ
માપી પુસ્ત મેં મસીન દ્વારા કરિત
કુલ 100 પઠ્યે કરિત છે. શ્રી
બાલકૃષ્ણ કુમાર, સર કમિશનર, મનિપુર
કે નામ સે નિર્મિત થિયા બાતા છે.

 21/1/2020

Executive Engineer

Rural Works Department

Water Division, Manihua

કામગીરી

Name of 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 - 1040-702 Hassan to					
Bheriyati (Track 10)					
Agency - Departmental					
Year - F.P.R Part A (2020)					
Length - 3897 km					
Item No - 01 - Providing and					
laying of Bricks Bats					
----- E/I					
Calculation of Bricks Bats					
L.G.W	7.20	0.40	$\frac{1.50+1.30}{2}$	=	4.032 m
R/S	3.00	$\frac{3.50+1.75}{2}$	$\frac{1.25+1.15}{2}$	=	9.450 m

R/S	3.20	$\frac{3.40+1.70}{2}$	$\frac{1.30+1.10}{2}$		9.792 m ³
10.20	$\frac{3.00+2.80}{2}$	$\frac{1.00+0.80}{2}$			26.622 m ³
10.50	$\frac{3.30+3.10}{2}$	$\frac{1.10+0.90}{2}$			33.600 m ³
9.80	$\frac{3.50+3.20}{2}$	$\frac{1.20+1.15}{2}$			38.575 m ³
26.80	$\frac{3.20+1.60}{2}$	$\frac{1.30+1.10}{2}$			78.631 m ³
10.30	$\frac{3.10+1.55}{2}$	$\frac{1.70+1.30}{2}$			35.921 m ³
R/S 6.60	$\frac{3.50+1.75}{2}$	$\frac{1.40+1.10}{2}$			21.650 m ³
6.20	$\frac{4.00+3.80}{2}$	$\frac{1.20+1.00}{2}$			26.598 m ³
13.20	$\frac{2.90+1.45}{2}$	$\frac{1.20+1.00}{2}$			31.581 m ³
6.50	$\frac{2.90+1.35}{2}$	$\frac{1.30+1.10}{2}$			15.885 m ³
8.20	$\frac{1.30+1.10}{2}$	$\frac{1.00+0.90}{2}$			9.348 m ³
6.90	$\frac{2.50+2.40}{2}$	$\frac{1.10+0.80}{2}$			16.060 m ³
5.50	$\frac{4.00+3.80}{2}$	$\frac{1.50+1.30}{2}$			30.030 m ³
6.50	$\frac{3.00+1.50}{2}$	$\frac{1.35+1.15}{2}$			18.281 m ³
6.80	$\frac{3.40+1.70}{2}$	$\frac{1.40+1.20}{2}$			22.542 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15.29.30x	$\frac{3.32+1.66}{2}$	$\frac{1.60+1.40}{2}$	$\frac{1.20}{2}$		$= 102.140 \text{ m}^3$
45 16.50x	$\frac{3.40+1.72}{2}$	$\frac{1.60+1.40}{2}$	$\frac{1.20}{2}$		$= 58.925 \text{ m}^3$
7.50x	$\frac{2.80+2.50}{2}$	$\frac{1.10}{2}$	$\frac{1.00}{2}$		$= 19.875 \text{ m}^3$
16.50x	$\frac{3.30+3.40}{2}$	$\frac{1.20+1.10}{2}$	$\frac{1.00}{2}$		$= 67.361 \text{ m}^3$
9.60x	$\frac{2.60+2.30}{2}$	$\frac{1.25+1.05}{2}$	$\frac{1.00}{2}$		$= 36.432 \text{ m}^3$
8.60x	$\frac{2.80+2.50}{2}$	$\frac{1.40+1.20}{2}$	$\frac{1.00}{2}$		$= 29.627 \text{ m}^3$
11.40x	$\frac{2.30+2.40}{2}$	$\frac{1.60+1.40}{2}$	$\frac{1.00}{2}$		$= 43.605 \text{ m}^3$
10.80x	$\frac{1.90+1.60}{2}$	$\frac{1.30+1.10}{2}$	$\frac{1.00}{2}$		$= 22.680 \text{ m}^3$
45 6.30x	$\frac{3.00+1.50}{2}$	$\frac{1.30+1.10}{2}$	$\frac{1.00}{2}$		$= 17.010 \text{ m}^3$
12.50x	$\frac{2.60+1.30}{2}$	$\frac{1.50+1.50}{2}$	$\frac{1.00}{2}$		$= 40.219 \text{ m}^3$
7.40x	$\frac{2.60+2.50}{2}$	$\frac{1.30+1.05}{2}$	$\frac{1.00}{2}$		$= 21.223 \text{ m}^3$
				Total	$= 887.69 \text{ m}^3$
				Deduction	

45 3.00x	$\frac{2.00+1.00}{2}$	$\frac{0.90+0.850}{2}$	$\frac{1.00}{2}$		$= 3.938 \text{ m}^3$
45 3.20x	$\frac{2.10+1.20}{2}$	$\frac{1.00+0.950}{2}$	$\frac{1.00}{2}$		$= 5.148 \text{ m}^3$
10.20x	$\frac{1.20+1.40}{2}$	$\frac{0.80+0.400}{2}$	$\frac{1.00}{2}$		$= 6.630 \text{ m}^3$
10.50x	$\frac{1.50+1.10}{2}$	$\frac{0.90+0.550}{2}$	$\frac{1.00}{2}$		$= 11.603 \text{ m}^3$
6.20x	$\frac{1.10+0.90}{2}$	$\frac{0.80+0.700}{2}$	$\frac{1.00}{2}$		$= 4.650 \text{ m}^3$
13.20x	$\frac{1.15+1.00}{2}$	$\frac{0.90+0.850}{2}$	$\frac{1.00}{2}$		$= 12.416 \text{ m}^3$
5.50x	$\frac{1.10+1.40}{2}$	$\frac{0.90+0.600}{2}$	$\frac{1.00}{2}$		$= 4.331 \text{ m}^3$
6.80x	$\frac{2.10+1.40}{2}$	$\frac{1.10+1.000}{2}$	$\frac{1.00}{2}$		$= 12.495 \text{ m}^3$
45 29.50x	$\frac{1.20+1.00}{2}$	$\frac{0.90+0.900}{2}$	$\frac{1.00}{2}$		$= 27.396 \text{ m}^3$
9.80x	$\frac{2.00+1.90}{2}$	$\frac{1.10+1.000}{2}$	$\frac{1.00}{2}$		$= 19.110 \text{ m}^3$
26.80x	$\frac{2.00+0.90}{2}$	$\frac{0.90+0.900}{2}$	$\frac{1.00}{2}$		$= 35.622 \text{ m}^3$
10.30x	$\frac{2.00+1.05}{2}$	$\frac{1.40+1.100}{2}$	$\frac{1.00}{2}$		$= 19.634 \text{ m}^3$
R/S 6.60x	$\frac{1.30+1.60}{2}$	$\frac{1.10+1.000}{2}$	$\frac{1.00}{2}$		$= 10.049 \text{ m}^3$
				Total	$= 173.02 \text{ m}^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No-02 - Supplying empty					
Cement bag and labour					
for filling cement - 5/1					
Calculation of empty cement					
	7.20	2.00	1.00	=	14.400 m ³
	3.00	1.90	0.90	=	5.130 m ³
	3.20	1.10	0.70	=	2.464 m ³
	10.20	1.50	1.00	=	15.300 m ³
	10.50	1.70	0.20	=	3.570 m ³
	9.80	1.20	0.50	=	5.880 m ³
	26.80	1.60	0.70	=	30.016 m ³
	10.30	1.90	0.40	=	7.828 m ³
	6.60	2.00	0.60	=	7.920 m ³
	6.20	1.70	0.40	=	4.216 m ³
				Total =	96.72 m ³
Item No-03 - S/F Fixing 62mm					
to 75mm dia bamboo					
Piles in size and making					
----- E/L					
Calculation of Bamboos					
Length	Width	No-			
7.20	0.30	=	24	No	
3.00	0.30	=	10	No	
3.20	0.30	=	11	No	
10.20	0.30	=	34	No	
10.50	0.30	=	35	No	
9.80	0.30	=	33	No	
26.80	0.30	=	89	No	
10.30	0.30	=	34	No	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	6.60		0.30	=	22 NO
	6.20		0.30	=	21 NO
Total	93.80			=	313 NO
19/03/21 Abstract of cost Name of work → LD 40702 Harwar to Bheryahi (Track 10) Agency → Departmental Year - F.D.R. Part A (2020) Length - 3.897 KM Item no-01 - Providing and laying of Brick Pats - 887.69 - (173.02 + 96.72) = 617.94 @ Rs-1717.3700³ Rs-1061235.625 19/03/21 Item no-02 - Supplying & laying cement bag and form for filling cement bag --- E/I 96.72 / 0.034 = 2845 NO @ Rs-32.140 Rs-91432.628					
Item no-03 - S/F Laying 62mm to 45mm dia bamboo piles in size --- E/I 313x3 = 938.00 @ Rs-47.58/m² Rs-44630.040 Item no-04 - Supplying filling					

Continuation

		Say Rs-	12.481
		G.S.T @ 12.1. Rs	1.498
		L. C. es. @ 11. Rs	0.125
		<u>Rs-</u>	<u>14.105</u>
		<i>[Signature]</i>	<i>[Signature]</i>
		19/03/24	19/03/24
		<i>[Signature]</i>	<i>[Signature]</i>
		19/03/24	19/03/24