H.L. RCC BRIDGE WITH APPROACH ROAD ON LIGHT
TINKORIYA IN TO NARAYAN GRAM PANCHAYAT ON
Schedule XLV-Form No. 134
TINKORIYA DIH

KUMARPUR RCD ROAD BHADUPRPUR

DIVISION

मधिहारी

SUB-DIVISION

Measurement Book

503
16/10/24

E. E.
R. W. D. W. D
Motihari

Sch. XLV—Form No. 134

Motihari DIVISION

Motihari SUB-DIVISION

MEASUREMENT BOOK

No.

Name of Officer E. E.

R. W. D. W. D.

Date of first entry Motihari

Date of last entry

Name to 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 RCC Bridge with Approach Road on Near Tinkoniya Gram in to Narayan Gram Panchayat on Tinkoniya Dhar.					
Agency- Departmental					
Year- F.D.R. Part A (2021)					
Length- 70.660 M					
Item No:- Providing and laying of Brick					

Bath - - - - EIL

Calculation of Brick Bats

1	20.20	$\frac{1.78+3.38}{2}$	$\frac{2.40+2.50+1.70}{3}$	= 101.32
1	10.50	$\frac{1.17+2.64}{2}$	$\frac{1.30+1.65}{2}$	= 29.50
1	3.60	$\frac{0.90+2.39}{2}$	$\frac{1.20+1.60}{2}$	= 8.06 m³
1	6.00	$\frac{0.98+2.43}{2}$	$\frac{1.20+1.70}{2}$	= 14.83 m³
1	2.00	$\frac{1.15+2.55}{2}$	$\frac{1.20+1.60}{2}$	= 5.18 m³
1	7.10	$\frac{1.19+2.64}{2}$	$\frac{1.45+1.70}{2}$	= 20.74 m³
1	2.20	$\frac{1.40+3.35}{2}$	$\frac{2.10+2.60}{2}$	= 13.83 m³
1	2.50	$\frac{1.10+2.88}{2}$	$\frac{1.30+2.45}{2}$	= 9.09 m³
1	13.30	$\frac{0.30+2.58}{2}$	$\frac{1.60+1.75}{2}$	= 38.76 m³
1	6.70	$\frac{0.83+2.68}{2}$	$\frac{1.80+1.90}{2}$	= 21.75 m³
1	12.90	$\frac{1.35+3.28}{2}$	$\frac{1.90+1.95}{2}$	= 57.49 m³
1	4.50	$\frac{1.19+2.45}{2}$	$\frac{1.30+1.60}{2}$	= 11.26 m³
			Total =	381.81 m³

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Name of work - Mototable Restoration of Road from Kumarpur RCD Road Bradupur					
Authority - E.E. RWD Manihari					
Agency - Departmental Work					
Year - FOR PART 'A' (2021)					
Length - 14.100 Km					
Block - Manihari					
Record Measurement					
① providing brick bats					ANNEXURE 'A'
1x15.00x (5.25+6.55)/2 x (1.2+1.1+1.6)/3 =					115.05 m³
1x15.00x (5.0+6.42)/2 x (0.95+1.8+1.5)/3 =					121.34 "
1x15.00x (5.0+6.87)/2 x (1.6+1.9+2.1)/3 =					166.10 "
1x15.00x (5.05+6.19)/2 x (0.85+1.1+1.0)/3 =					90.84 "
1x15.00x (5.0+6.10)/2 x (1.4+1.0+1.4)/3 =					94.61 "
1x15.00x (5.0+7.05)/2 x (1.85+2.2+2.0)/3 =					185.27 "
1x15.00x (5.1+6.45)/2 x (0.94+1.5+1.6)/3 =					116.94 "
1x15.00x (5.55+6.7)/2 x (0.75+1.4+1.3)/3 =					105.66 "
1x15.00x (5.93+6.32)/2 x (1.2+1.5+1.3)/3 =					122.90 "
1x3.00x (5.88+5.99)/2 x (0.45+0.75+0.6)/3 =					10.52 "
1x15.00x (5.55+6.67)/2 x (0.83+1.20+1.1)/3 =					102.24
				total	1232.65
② ANNEXURE-'B'					
1x10.00x (2.1+1.1)/2 x (0.7+0.6)/2 =					10.40 m³
1x4.90x (1.2+1.3)/2 x (0.65+0.55)/2 =					3.60 "
1x6.60x (2.5+3.8)/2 x (0.6+0.7)/2 =					13.51 "
1x8.70x (2.1+1.8)/2 x (0.5+0.5)/2 =					11.03 "
1x3.50x (1.60+1.8)/2 x (0.45+0.7)/2 =					3.42

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1x15.00x	1.8 + 2.1 / 2 x		1.35 + 1.3 / 2 =		38.76'
1x10.00x	1.95 + 2.2 / 2 x		0.95 + 1.30 / 2 =		22.78'
1x25.00x	2.0 + 2.6 / 2 x		1.5 + 1.6 / 2 =		89.13'
1x15.00x	1.9 + 2.2 / 2 x		0.85 + 1.35 / 2 =		33.83'
1x20.00x	1.50 + 2.50 / 2 x		1.30 + 1.30 / 2 =		52.00
1x22.00x	1.70 + 1.30 / 2 x		0.85 + 1.20 / 2 =		45.10'
1x25.00x	1.80 + 2.10 / 2 x		1.6 + 1.5 + 1.2 / 2 =		69.00'
1x26.00x	1.80 + 2.00 / 2 x		0.85 + 1.50 / 2 =		61.16'
1x12.00x	1.40 + 1.50 / 2 x		0.80 + 0.95 / 2		14.79'
1x24.00x	2.40 + 2.30 / 2 x		1.2 + 1.5 + 1.7 / 2 =		71.49'
1x10.00x	2.0 + 1.85 / 2 x		0.85 + 0.95 / 2 =		17.33'
1x14.00x	1.50 + 1.80 / 2 x		0.75 + 1.20 / 2 =		23.21'
1x25.00x	2.0 + 1.85 / 2 x		1.50 + 1.30 / 2 =		67.38'
				total -	651.75

ANNEXURE'A' + ANNEXURE'B'

				=	1232.65
				=	651.75
				total =	1884.40
	less H.D Qty			=	5.94'
				=	1878.46

② Providing and laying reinforced —

2.00 m x 2.50 m = 5.00 m²

Sd/- 27/1/21 JE

Sd/- 27/1/21 AE

Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) providing brick bats					
1878.96 cft	(I NT, P.I.B.P. - (3)				
	@ Rs. 1895.21/cum				3560390.00
(2) providing and laying					
reinforced					
5.00 cum	(I NT M.B.P. - (7)				
	@ Rs. 3207.53/cum -				16162.00
				Rs.	3576982.00
add GST @ 12% —					429177.00
add L. cess @ 1% —					35764.00
add S. fee @ 10% —					193900.00
				Rs.	4235323.00

Sd/- 24/11/21 JE

Sd/- 24/11/21 AE

Sd/- 24/11/21

Continuation