

FDR-2020-21

Construction of RCL bridge in Bihur Baton River
TOL Lalmimiyg to Belli.

Schedule XLV-Form No. 134

MBNO-1416

~~ROAD~~ RWD, WORKS Div SUPAUL DIVISION

MARAUNA. SUB-DIVISION

Measurement Book

प्रमाणित किया जाता है कि इस माप
 प्रमाण में कुल 50 (पचास) मशीन
 द्वारा प्रमाणित हुए हैं, जो नीचे
 विवरण के अनुसार सुमन सहित
 आदिपत्र, कार्य अवर प्रमोडल (सुमन)
 के नाम से निर्माण किया जाता है

14/8/20

कार्यपालक अभियन्ता
 ग्रामीण कार्य विभाग
 कार्य प्रमण्डल (सुमन)
 14/8/20

Sch. XLV-Form No. 134

SUPAUL DIVISION
MARAUNA SUB-DIVISION

Measurement Book

No. 14/16

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 -					
Restoration					
of bridge approach					
from Construction					
of R.C.C bridge in					
Bihar Baleshwar River					
To 1 Lorry to					
Beetle, under FDR.					
Agency -					
Departmental.					
Authority -					
E.E. R.D., Baleshwar					
Division Engineer					

Date of measurement - 04/09/2022

1) Providing and
laying brick bath
- as per Bill

CH-1.2251CH - $1 \times 2.50m \times 1.40m \times 2.25 = 9.625m^3$

$1 \times 2.30m \times 1.20m \times 1.75m = 4.83m^3$

$1 \times 2.50m \times 1.30m \times 2.50 = 8.125m^3$

$1 \times 2.50m \times 0.80m \times 2.00m = 4.00m^3$

Left side of Approach -

AT CH-1.2851CH - $1 \times 10.00m \times \frac{(2.50+2.2)}{2} \times \frac{(1.20+1.70)}{2}m = 35.25m^3$

CH-1.2951CH - $1 \times 15.00m \times 2.20m \times 1.60m = 52.80m^3$

CH-1.3101CH - $1 \times 15.00m \times \frac{3.70+3.40+2.60}{3} \times \frac{(2.50+1.50)}{2}m = 96.900m^3$

Continuation $CH = 211.53m^3$

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					$187.50 = 211.50 \text{ m}^2$
Ch-1.390 km	1	10.00 m	$\frac{(1.5 + 1.20)}{2}$		
			$\frac{(1.0 + 0.90)}{2}$		116.75 m^2
Ch-1.385 km	1	15.00 m	$\frac{(1.50 + 0.90)}{2}$		
			9.50 m		45.00 m^2
Ch-1.350 km	1	15.00 m	$\frac{(1.9 + 1.5 + 1.20)}{3}$		
			$\frac{(0.8 + 0.70)}{2}$		17.25 m^2
Ch-1.365 km	1	15.00 m	$\frac{(1.20 + 1.30 + 0.8)}{3}$		
			$\frac{(0.60 + 0.20)}{2}$		12.55 m^2
Ch-1.396 km	Right Side of Approach				
		$1 \times 3 \times 30.00 \text{ m}$	$\frac{2.5 + 2.6 + 2.1 + 1.7}{4}$		
			0.60 m		120.15 m^2

17.210 m	$\frac{2.5 + 2.6 + 2.1 + 1.7}{4}$			
	0.60 m			28.035 m^2
Ch-1.365 km	$1 \times 28.00 \text{ m}$	3.80	0.60	58.80 m^2
				$54 = 507.25 \text{ m}^2$

2) Labour for cutting

62 mm to 80 mm dia

bamboo piles — an

per 60

Ch-1.285 km —

$$\left(\frac{1 \times 3 \times 30.00 \text{ m}}{0.450} + 1 \right) \times 1.25 \text{ m} = 25 \times 2.50$$

$$\left(\frac{1 \times 5.0}{0.45} + 1 \right) \times 1.25 \text{ m} = 15.139 \text{ m}$$

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2) Labour Allowance					
Empty Cement Bags					
with Local Sand					
as per 1:6					
Ch- 1.2981m	$1 \times 2 \times 30.0m \times \frac{1.2+0.6}{2}$				
				$\times 1.60m$	$86.4m^3$
	$1 \times 22.0m \times \frac{1.2+0.6}{2}$				$31.68m^3$
				$\times 1.60m$	$29.70m^3$
					$Q4 = 118.08m^3$
Ch- 1.380m In side RCC					
	$1 \times 15.0m \times 1.90m \times 0.90m$				$25.65m^3$
					$Total = 143.73m^3$

$$\% \text{ No. of bags} = \frac{143.730}{0.034 \times 1000}$$

$$= 42.27\% \text{ of}$$

1/9/20
J. K. K.

1/9/20
J. K. K.

1/9/20
J. K. K.

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
ABSTRACT OF COST					
E.D.R. 2020-21					
1/2)	Providing and Laying brick lab in damage portion — on Per E.I.				
Q4=507.256 M ³	vide TMB P-②				
	@. Rs 1864.35/M ³ —Rs - 94370.72				
2/3)	Labour for cutting 62mm to 75mm dia bamboo Piles— on Per E.I.				
Q5=245.139 M	vide TMB P-③				
	@. Rs - 27.90/M—Rs - 7397.38				
3/5)	Labour for fitting and fixing 75mm dia bamboo runner — on Per E.I.				
Q4=570 M	vide TMB P-③				
	@. Rs - 5.0/M—Rs - 2850.00				
4/6)	Supply of bamboo at site—on Per E.I.				
Q5=192.0 M ³	vide TMB P-③				
	@. Rs - 158.44/M ³ —Rs - 30420.48				
5/7)	Labour for filling & c bags with L.S.C— on Per E.I.				
Continuation					Rs - 986370.58

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			BIF	PS	— 986370.58

Qty - 42.27 $\times$ vicle THB P - (4)

139511.00

@. $\times$ 3300.20 $\times$ $\times$ $\times$ — 139499.45

Total PS — 112588.58

Add. Seigniorage Fee (H) PS — 55960.12

Add. GST @ 12% — (H) PS — 135105.79

Add. L.Cess @ 1% — (H) PS — 11258.82

Total PS — 1328206.31

Say PS — 1328206.31

For
18/4/21
J2

For
18/4/21
(ARLM)

Inspection Report for Flood Damage Work

Date:-

1. Name of PIUs :- E-E, RWD, works division, Supaul.
2. Name of Block :- Morang
3. Name of Road/Bridge :- Construction of Rec Bridge in Bihul Batan River to Lalminiya to Beller

A. For Road

1. Damage Location/Chainage :-
 2. Damage Length :-
 3. Nature of Damage :-
 4. Details of Restoration Works :-
 - i. Material being used in Restoration works:-
 - ii. Equipments/Tools being used in Restoration works:-
 - iii. Procedure taken up in Restoration works:-
 - iv. Restored Length :-
- N.A

B. For Bridge

1. Damage Location/Chainage :- 1.225, 1.285, 1.295, 1.310, 1.320, 1.335, 1.350, 1.365, 1.396 km
2. Damage Length :- 243.80 M
3. Nature of Damage :- Due to Flood
4. Detail of Restoration Works :-
 - i. Material being used in Restoration works :- Brick bats, bamboo, Pilling, E.C bags
 - ii. Equipments/Tools being used in Restoration work :- Tractor
 - iii. Procedure taken up in Restoration works :- Pilling
 - iv. Restored Length :- 243.80 M

JE 30/11/20
AE 30/11/20
EE 30/11/20

signature
30/11/20
Inspector's Department
(Name of Inspector)
Morang Division, Supaul