

F.D.R- 2020-2021 MB No

MB No-1396

Schedule XLV-Form No. 134

DIVISION

21/09/2021- 1st year of the school

SUB-DIVISION

Measurement Book

21/09/2021

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[Signature]
Executive Engineer
RVD No. 2 Division
[Signature]

Sch. XLV-Form No. 134

_____ DIVISION

_____ SUB-DIVISION

Measurement Book

No. 1396

_____ Name of Officer

_____ Date of first entry

_____ Date of last entry

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:- Restoration of road					
from Nirmali to Hariyahi					
via Jaxauli					
(FDR 2020-21)					
Agency- Departmental					
Authority- E.E, RWD, works Division,					
Supaul.					
Date of measurement- 01.09.2020					
1. Laying Brick Bat in					

Damage Portion.

Ch. 100 m

$$1 \times 8 \text{ m} \times 2 \text{ m} \times 0.5 \text{ m}$$

$$= 8.000 \text{ m}^3$$

$$1 \times 54 \text{ m} \times 8.53$$

$$\left(\frac{1.1 + 6.6 + 8}{3} \right) \text{ m}$$

$$\times \left(\frac{1.1 + 1.8 + 2.5}{3} \right) \text{ m}$$

$$= 829.408 \text{ m}^3$$

$$\text{Deduct gty } 7 \times 3 \text{ m} \times 2.5 \text{ m} \times 1.2 \text{ m} = 659.346 \text{ m}^3$$

Ch. 265 m

$$1 \times 2.5 \text{ m} \times 1.2 \text{ m} \times 0.4 \text{ m} = 1.200 \text{ m}^3$$

$$1 \times 3.2 \text{ m} \times 3 \text{ m} \times 0.2 \text{ m} = 1.920 \text{ m}^3$$

$$1 \times 17 \text{ m} \times 4 \text{ m} \times 0.2 \text{ m} = 13.600 \text{ m}^3$$

$$1 \times 21 \text{ m} \times 4.5 \text{ m} \times 0.3 \text{ m} = 28.350 \text{ m}^3$$

Ch. 400 m

$$1 \times 4.5 \text{ m} \times 4 \text{ m} \times 0.45 \text{ m} = 2.700 \text{ m}^3$$

Continuation

P.T.O

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Ch. 500m					
		$1 \times 10.5 \text{ m} \times 1.5 \text{ m} \times 0.15 \text{ m} =$			2.363 m^3
Ch. 700m					
		$1 \times 6 \text{ m} \times 6 \text{ m} \times 0.2 \text{ m} =$			7.200 m^3
Ch. 2200m					
		$1 \times 18 \text{ m} \times \left(\frac{3+2}{2} \right) \text{ m} \times \left(\frac{1.2+1.8+1.5}{3} \right) =$			67.500 m^3
		$1 \times 2.5 \text{ m} \times 1.5 \text{ m} \times 0.6 \text{ m} =$			2.250 m^3
		$1 \times 10 \text{ m} \times 6.7 \text{ m} \times 2.1 \text{ m} \quad 2$			140.700 m^3
		$1 \times 44 \text{ m} \times 5 \text{ m} \times 0.5 \text{ m} =$			110.000 m^3
Deduct gty		$5 \times 3 \text{ m} \times 2.5 \text{ m} \times 1.2 \text{ m} =$			(-42.300 m^3)
Ch. 2400m					
		$1 \times 23 \text{ m} \times 1 \text{ m} \times 0.2 \text{ m} =$			4.600 m^3
		$1 \times 4 \text{ m} \times 3 \text{ m} \times 0.2 \text{ m} =$			2.400 m^3
Ch. 2480m					
		$1 \times 30 \text{ m} \times 3 \text{ m} \times 0.2 \text{ m} =$			18.000 m^3
Ch. 3500m					
		$1 \times 9.2 \text{ m} \times 6 \text{ m} \times 1.5 \text{ m} =$			82.800 m^3
		$1 \times 11 \text{ m} \times 5 \text{ m} \times 1.5 \text{ m} =$			82.500 m^3
Ch. 3609m					
		$1 \times 10 \text{ m} \times 4 \text{ m} \times 0.15 \text{ m} =$			6.000 m^3
		$1 \times 2 \text{ m} \times 1 \text{ m} \times 0.15 \text{ m} =$			0.300 m^3
		$1 \times 1 \text{ m} \times 0.5 \text{ m} \times 0.15 \text{ m} =$			0.075 m^3
		$1 \times 7 \text{ m} \times 4 \text{ m} \times 0.15 \text{ m} =$			4.200 m^3
		$1 \times 2 \text{ m} \times 1 \text{ m} \times 0.15 \text{ m} =$			0.300 m^3
Ch. 3800m					

Continuation

Sub. Rev. Form No. 124

Particulars	Quantity of actual measurement			Contents of area
	No.	L	B	

Placing including supply of Saddle and
 91 bag etc. —
 with all complete Job.

Ch. 500m

Nos of bag = 500.00

Ch. 200m Nos of bag = 600.00

Total Nos of bag 1100.00

Total (1100) nos. 11.00

1. Transverse and Longitudinal Reinforced
Concrete pipe RPS at RPS
Design in single Row

Ch. 100m

4 x 3m x 2.5m = 30.00m

Ch. 200m

3 x 3m x 2.5m = 22.50m

Total = 52.50m

01.09.2020

JE

01/09/20

01/09/20

Sch. XLV-Form No. 134

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

Name of work: Restoration of road
 from Nimali to Hariyahi
 via Jorauli (Phase-II).
 (FDR Year - 2020-21)

Agency - Departmental

Authority - EE, RWD, work Division,
 Supaul

Date of measurement: 05.10.2020

1. Laying Brick Bat in Damage
 Portion.

Ch. 64m

$$1 \times 12m \left(\frac{7.4 + 5 + 4.5}{3} \right) m \times \left(\frac{1.9 + 4 + 3.1}{3} \right) m = 202.680m^3$$

Ch. 115m

$$1 \times 20m \times \left(\frac{2 + 3}{2} \right) m \times \left(\frac{0.4 + 0.8}{2} \right) m = 30.000m^3$$

Ch. 364m

$$1 \times 30m \times 2.2m \times 0.45m = 28.350m^3$$

Ch. 2200m

$$1 \times 15m \times \left(\frac{1.2 + 1.8}{2} \right) m \times 12m = 27.000m^3$$

$$1 \times 23m \times 4.2m \times \left(\frac{1.2 + 0.9 + 0.6}{3} \right) m = 86.940m^3$$

$$1 \times 7m \times 0.45m$$

$$1 \times 1.5m \times 2m \times 1m = 3.000m^3$$

Ch. 2400m

Continuation

[illegible]

Inspection Report for Flood Damage Work

Date :

1. Name of PIUs :- E.E. RWD, Works Division Supaul.
2. Name of Block/Road :- *Mir mali* | *Mir mali to Hanyahi via Samuli*

A. For Road

1. Damage Location/Chainage : *100m, 265m, 400m, 500m, 700m, 2200m, 2400m, 2480m, 3500m, 3600m, 3800m, 4100m, 5100m, 5300m.*
2. Damage Length : *741 m* *5400, 5700m, 6100m/ 64m, 115m, 364m.*
3. Nature of Damage : *Due to flood* *2200m, 2400m, 6100m*
4. Details of Restoration Works :
 - i. Material being used in Restoration work : *Hume pipe, Bamboo, E.C.B with Local sand, Brick Bats.*
 - ii. Equipments/Tools being used in Restoration work : *Trp, Tractor, Roller*
 - iii. Procedure taken up in Restoration work : *Filling*
 - iv. Restored Length : *741 m*

B. For Bridge

5. Damage Location/Chainage :
6. Damage Length : *N.A*
7. Nature of Damage :
8. Details of Restoration Works :
 - i. Material being used in Restoration work :
 - ii. Equipments/Tools being used in Restoration work :
 - iii. Procedure taken up in Restoration work :
 - iv. Restored Length :

[Signature]
30/11/20
J.E.
Signature of JE/AE/EE

[Signature]
30/11/20
Executive Engineer
Rural Works Department
(Name of Inspector)
Work Division, Supaul