नगरनौसा - डियावां रोड (FDR)

Shedule XLV Form No. 134.

Hasnauli DIVISION

Nagernausa SUB-DIVISION

Measurement Book

845

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 - Nagar - Parisa Diyawan road					
Agency -					
Agreement no. -					
Date of commencement					
Date of completion -					
Record Entry					
① Providing and laying khoa or stone filter under -					
1 × 9.50 m × $\frac{1.40+1.80}{2}$ m × $\frac{0.80+0.40+0.60}{3}$ m =					6.54 m³
1 × 2.0 m × $\frac{1.60+1.20}{2}$ m × $\frac{0.20+0.30}{2}$ m =					0.70 m³
1 × 5.0 m × $\frac{1.0+1.50}{2}$ m × $\frac{0.30+0.25}{2}$ m =					1.72 m³
1 × 4.0 m × $\frac{2.0+1.0}{2}$ m × $\frac{0.30+0.20}{2}$ m =					1.50 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	4.0m	$\frac{3.0+2.0}{2}$ m	x	
			$\frac{0.20+0.20}{2}$ m	=	$2.0\,m^3$
	1	2.80 m	$\frac{2.0+1.50}{2}$ m	x	
			$\frac{0.20+0.20}{2}$ m	=	$0.98\,m^3$
	1	8.0m	$\frac{2.0+1.0}{2}$ m	x	
			$\frac{0.40+0.20}{2}$ m	=	$3.60\,m^3$
	1	3.0m	$\frac{2.0+1.0}{2}$ m	x	
			$\frac{0.20+0.20}{2}$ m	=	$0.90\,m^3$
	1	3.0m	$\frac{2.0+1.0}{2}$ m	x	
			$\frac{0.60+0.20}{2}$ m	=	$1.80\,m^3$
	1	5.0m	$\frac{1.40+1.50+1.60}{3}$ m	x	
			$\frac{0.20+0.30+0.40}{3}$ m	=	$2.25\,m^3$
	1	4.0m	$\frac{1.30+1.40+1.80}{3}$ m	x	
			$\frac{0.30+0.10}{2}$ m	=	$1.20\,m^3$
	1	2.0m	$\frac{1.20+0.90+1.0}{3}$ m	x	
			0.20 m	=	$0.40\,m^3$
	1	9.0m	$\frac{0.40+0.80}{2}$ m	x	
			$\frac{0.20+0.60}{2}$ m	=	$2.16\,m^3$
	1	6.0m	$\frac{2.0+2.0}{2}$ m	x	
			$\frac{0.45+0.65+0.50}{3}$ m	=	$7.50\,m^3$

Continuation

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Particulars	Details of actual measurement				Contents of area
	Nc.	L.	B.	D.	
1 × 7.0m ×		$\frac{2.0+2.30}{2}$ m ×			
		$\frac{0.30+0.50}{2}$ m =			6.02 m³
1 × 5.50m ×		1.40 + 1.50 m			
		$\frac{0.65+0.25+0.60}{3}$ m			= 5.78 m³
1 × 2.0m ×		$\frac{2.0+1.0}{2}$ m ×			
		$\frac{0.40+0.20}{2}$ m =			0.90 m³
1 × 6.0m ×		$\frac{3+3.50+5.0}{3}$ m			
		$\frac{0.50+0.40+0.65}{3}$ m			= 11.40 m³
1 × 2.0m ×		$\frac{3.0+2.0}{2}$ m ×			
		$\frac{0.30+0.10}{2}$ m =			1.0 m³
1 × 10.0m ×		$\frac{1.50+1.0}{2}$ m			
		× $\frac{0.40+0.20}{2}$ m			= 3.75 m³
1 × 3.0m ×		$\frac{3.0+1.0}{2}$ m ×			
		$\frac{0.25+0.40+0.30}{3}$ m			= 1.80 m³
1 × 4.50m ×		$\frac{3.0+1.0}{2}$ m ×			
		$\frac{0.35+0.45+0.40}{3}$ m			= 3.60 m³
1 × 3.0m ×		$\frac{2.0+1.0}{2}$ m ×			
		0.10 m			= 0.45 m³
1 × 2.0 m ×		$\frac{2.0+1.0}{2}$ m ×			
		$\frac{0.40+0.10}{2}$ m =			0.60 m³
2 × 2.0m ×		$\frac{2.0+1.0}{2}$ m ×			
		0.10 m			= 0.60 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	2.50m	$\frac{0.30+1.20}{2}$ m		
			× 0.10m =		0.26m³
	1	3.0m	× 1.60	$\frac{+1.40}{2}$ m ×	
				0.10m =	0.45m³
	1	5.0m	× $\frac{0.90+1.70}{2}$ m ×		
			$\frac{0.30+0.10}{2}$ m =		1.0m³
	1	2.0m	× $\frac{1.60+1.40}{2}$ m ×		
			$\frac{0.40+0.20}{2}$ m =		0.90m³
	1	5.0m	× $\frac{0.90+1.10}{2}$ m ×		
			0.10m =		0.50m³
	1	5.0m	× $\frac{0.70+0.95}{2}$ m ×		
			$\frac{0.30+0.10}{2}$ m =		0.80m³
	1	3.0m	× $\frac{0.90+1.10}{2}$ m ×		
			$\frac{0.50+0.10}{2}$ m =		0.90m³
	1	4.0m	× $\frac{1.40+1.60}{2}$ m ×		
			$\frac{0.25+0.30+0.35}{3}$ m =		1.80m³
	1	1.0m	× $\frac{0.90+1.10}{2}$ m ×		
			0.10m =		0.10m³
	1	4.4m	× $\frac{1.50+1.85}{2}$ m ×		
			$\frac{0.30+0.10}{2}$ m =		1.36m³
	2	2.0m	× $\frac{0.70+1.10}{2}$ m ×		
			$\frac{0.30+0.10}{2}$ m =		0.80 m³
	1	8.0m	× $\frac{0.70+1.20}{2}$ m ×		
			0.150 m =		1.08 m³

Confirmation

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Particulars	Details of actual measurement				Co of area
	No.	L.	B.	D.	
1 x 7.0m		$\frac{0.40+0.60+0.80}{3}$ m			
		x	0.30+0.10 / 2 m =		0.84m³
1x5.0m		x 1.30+1.40+1.80 / 3 m			
		x	0.150m =		1.13m³
1x1.50m		x $\frac{1.40+1.60}{2}$ m			
		x	0.150m =		0.34m³
1x2.50m		x $\frac{0.90+1.10}{2}$ m			
		x	$\frac{0.25+0.10+0.15}{3}$ m =		0.38m³
1x1.50m		x $\frac{1.30+1.70}{2}$ m			
		x	0.10m² =		0.23m³
1x4.0m		x $\frac{1.40+1.60}{2}$ m			
		x	0.10m =		0.60m³
1x1.50		x $\frac{0.90+0.65+0.60}{3}$ m			
		x	0.10+0.20+0.30 / 3 m =		0.23 m³
1x2.0m		x $\frac{0.85+0.75+0.60}{3}$ m			
		x	0.150m =		0.23m³
1x5.0m		x 0.90+1.10 / 2 m x			
			0.150m =		0.750 m³
1x2.0m		x 1.30+1.70 / 2 m x			
			0.30+0.10 / 2 m =		0.40 m³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 2.0m	x	1.40+1.60/2 m	x		
			0.10m²		0.30m³
2 x 1.50m	x	0.80+1.10/2 m			
		x	0.10m²		0.30m³
1 x 2.0m	x	1.0+1.40/2 m	x		
		0.35+0.30+0.25/3 m			= 0.72m³
1 x 1.50m	x	1.40+1.80/2 m	x		
		0.30+0.10/2 m			= 0.45m³
1 x 2.0m	x	1.30+1.70/2 m	x		
		0.40+0.20/2 m			= 0.30m³
1 x 1.50m	x	1.40+1.30+1.15/3 m			
		x	0.20m		= 0.38m³
1 x 1.50m	x	1.30+1.70/2 m			
		x	0.30+0.50+0.20/3 m		= 0.45m³
1 x 1.50m	x	0.90+1.10/2 m	x		
		0.10m	=		0.15m³
1 x 2.0m	x	1.20+0.80/2 m			
	x	0.150+0.350/2 m	=		0.50m³
1 x 3.0m	x	1.25+1.40+1.10/3 m			
		x	0.10m	=	0.38m³
1 x 1.50m	x	0.90+1.10/2 m			
		x	0.10m	=	0.15m³
1 x 2.50m	x	1.20+1.30+1.40/3 m			
		x	0.10m	=	0.31m³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	2.50m	$\frac{1.30+1.70}{2}$ m	x	
		0.30 + 0.10 m		=	0.75m³
	1	1.50m	x 1.00m	x 0.20m	= 0.30m³
	1	1.50m	x 1.00m	x $\frac{0.40+0.20}{2}$ m	= 0.45m³
	1	2.00m	x 1.00m	x 0.30m	= 0.60m³
	1	4.00m	x $\frac{1.30+1.70}{2}$ m	x	
			0.20m	=	1.20m³
	1	5.00m	x $\frac{1.60+1.40}{2}$ m	x	
			$\frac{0.40+0.20}{2}$ m	=	2.25m³
	1	3.00m	x 7.5m x 0.20m	=	0.90m³
	1	3.00m	x 1.00m x 0.20m	=	0.60m³
	1	5.00m	x 1.00m x 0.20m	=	1.00m³
	1	7.00m	x $\frac{1.40+1.60}{2}$ m	x	
			0.150m	=	1.58m³
	1	4.00m	x $\frac{1.90+1.70}{2}$ m	x	
			0.20m	=	1.44m³
	1	2.00m	x 1.00m x 0.10m	=	0.20m³
	1	3.00m	x 2.00m x 0.10m	=	0.60m³
	1	1.50m	x $\frac{0.90+1.10}{2}$ m	x	
			0.20m	=	0.30m³
	2	4.00m	x $\frac{3.00+5.00}{2}$ m	x	
			0.20m	=	6.40m³
	1	5.00m	x $\frac{1.20+1.25+1.30}{3}$ m		
			x 0.150m	=	0.94 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 no 5.0m	x	$\frac{2.0+4.0}{2}$ m	x		
		0.20	$\frac{+0.30}{2}$ m	=	3.75 m³
1 no 4.0m	x	$\frac{1.40+1.60}{2}$	m		
	0.35	+0.25	$\frac{+0.30}{3}$ m	=	1.80 m³
3 x 0.60m	x	0.40m	x		
		0.30m	=	0.21 m³	
		Total =		114.68 m³	

07/01/2021
A.E.

07/01/2021

Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Providing and laying Khoya, Khoa & Stone filled —					
114.68 m^3 vide T.M.B.P (8)					
@ 2022.57/m^3 = 231948.0					
Add GST 12% = 27834.0					
Labour cess 1% = 2319.00					
Sejgroories &c : 13844.00					
Total = 275945.00					

07/01/2021
A.E.

07/01/2021
J.E.

C & P

07.01.2021

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs - RWD Harnaut
2. Name of Block/Road- Nagarnousa Diyawan Road

A . For Road

1. Damage Location /Change- Pot Patch Repairs in Different Chainages.
2. Damage Length- Pot Patch Repair
3. Nature of Damage- Heavy Rain / Flood
4. Details of Restoration Works-
   i. Material being used in Rstoration works- Bork Bat
   ii. Equipments/Tools being used in Restoration works- JCB, Tractor, Tooli, Roller, etc.
   iii. Procedure taken up in Restoration works- Yes
   iv. Restored Length- Pot Patch Repair.

B. For Bridge

1. Damage Location /Chainage-
2. Damage Length-
3. Nature of Damage-
4. 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-

C. Requirement Of New CD/Bridge

i. Name of Road-
ii. Location Chainage-
iii. Type of CD work/Length required

- Upload one photograph of damaged portion if available
- Attach minimum two photograph (during restoration & after restoration) photographs should be Geotags and at least one photo be captured in selfie mode

23/01/2021
JE

22.01.2021
EE
Signature of JE/AE/EE

20.01.21
A.E

23/1/21
Executive Engineer
Signature
R.W.D. (W)
Division Biharsharif (Nalanda)