

Head - FDR - 2023-24

Schedule XLV Form No. 134.

Name of work - Const? of Road 1040 Tharbitiga to
Digliya Yaddav Tola (Track 5)

SUDHARUL

DIVISION

Kishanpur

SUB-DIVISION

Measurement Book

1672.

प्रमाणित किया जाता है कि- इस
मापिपुस्तिका में कुल 100 (एक सौ) मचीन
से प्रदर्शित हुए हैं जो श्री किसानपुर,
सहायक अभियंता, कार्य अवर प्रमंडल, बिजनपुर
के नाम से निर्धारित किया जाता है।

23/09/23
Executive Engineer
R.W.D. W.D., Supaul

Sch. XLV - Form No. 134

Supaul DIVISION

Kishanpur SUB-DIVISION

Measurement Book

No. 1672

Name of Officer _____

Situation of Work—

Date of Measurement—

(These four lines should be repeated at the commencement of the measurement relating to each work)

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 x (26/0.25) x 4.50					= 936.0M
					Total = 6627.0M

~~23/09/23~~
 A.E

2) Labour for fitting & fixing 62mm to 75mm dia. bamboo runners.

Bamboo Runners.

$$2 \times 30.0 \times (2.50/0.50) = 300.0M$$

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$$1 \times 5.0 \times (2.50/0.50) = 25.0M$$

$$1 \times 12.0 \times (2.5/0.50) = 60.0M$$

$$2 \times 26.0 \times (2.50/0.50) = 260.0M$$

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$$1 \times (30/0.50) \times 2.50 = 150.0M$$

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$$1 \times (15/0.50) \times 2.50 = 75.0M$$

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 x (22.0/0.50) x 2.50					= 110.0 m
					Total = 311.50 m
3) Labour for fitting empty cement bags with local sand, stitching the bags and placing.					
1 x 30.0 x (1.75 + 1.75 + 1.75)/3 x					
					(2.50 + 3.75 + 2.50)/3 = 153.12
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1 x 30.0 x (1.75 + 1.75 + 1.75)/3 x					
					(2.50 + 3.75 + 2.50)/3 = 153.12
2 x 26.0 x (1.75 + 1.75 + 1.75)/3 x					
					(2.50 + 2.75 + 2.50)/3 = 235.08
1 x 5.50 x (1.75 + 1.75 + 1.75)/3 x					
					(2.50 + 2.95 + 2.50)/3 = 25.51
					Total = 1026.19
No of Ec Bag = 1026.19 x 35.315					
					= 36240 No.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
No of Nylon Crate					
(No of Bag x 25)					
	36240/25 = 1450 No.				
54) Supply of Nylon					
Crate of Size (1x1x1m)					
				Qty = 1450 No.	

5) Supplying of Ec bag,
 Filling of Local Sand,
 stitching and placing ---
 ---do--- do--- all--- com--- job.

$$1 \times 30 \times (2.25 + 2.50 + 2.0) / 3 \times (1.75 + 2.85 + 2.65) / 3 = 163.12$$

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Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 5.0 \times (2.25 + 2.0 + 2.75) / 3 \times (2.75 + 2.85 + 2.75) / 3$					$= 33.63$
$1 \times 12.0 \times (2.5 + 3.5 + 1.75) / 2 \times (2.25 + 1.75 + 1.50) / 3$					$= 56.83$
$2 \times 26 \times (4.50 + 5.5 + 4.75) / 3 \times (2.25 + 3.75 + 1.50) / 2$					$= 639.17$
					$\text{Total} = 1545.23 \text{ m}^3$
No. of EC Bag = $(3.4 \text{ m}^3 = 100 \text{ Bag})$					
					$1545.23 / 0.034 = 45448 \text{ Bag.}$
6) Providing and Laying					
Filling Cret bag.					
$2 \text{ No} \times 26.0 \times (2.25 + 2.50 + 2.0) / 3 \times (2.75 + 2.50 + 2.50) / 3$					$= 302.25$
$1 \times 5.50 \times (2.50 + 2.0 + 1.75) / 3 \times (3.5 + 3.5) / 2$					$= 40.10$
$5 \text{ No} \times 30 \text{ m} \times (2.25 + 2.5 + 2.0) / 3 \times (2.5 + 2.75 + 2.5) / 3$					$= 871.88$
					$\text{Total} = 1214.23$
No of Bag = $(0.07 \text{ m}^3 = 1 \text{ Bag})$					
					$1214.23 / 0.07 = 17346 \text{ Bag.}$

PHASE-II

$$2 \times 16.0 \times (0.40 + 1.90 + 2.0 + 1.40) / 4 \times 0.475 = 18.24$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 15.0 x	(0.40 + 1.0 + 2.0) / 3			0.915	15.55 m ³
1 x 20.0 x	(0.40 + 1.0 + 2.0) / 3			0.915	20.74 m ³
1 x 12.0 x	(1.50 + 0.90) / 2			0.475	6.84 m ³
1 x 5.0 x	1.00			0.915	6.86 m ³
2 No x 30.0 x	(1.5 + 2.0 + 2.5 + 7.50 + 2.0 + 2.50) / 6			0.85	153.0 m ³
1 x 12.50 x	(1.50 + 2.0 + 2.5 + 7.5 + 2.0 + 2.50) / 6			0.85	31.88 m ³
1 x 12.0 x	(1.50 + 0.40 + 0.80) / 3			0.92	9.94 m ³
1 x 5.0 x	(1.20 + 0.80) / 2			0.915	4.58 m ³
3 No x 15 x	(1.0 + 1.5 + 2.0) / 3			0.950	64.13 m ³
1 x 20.0 x	(0.40 + 0.50) / 2			0.50	4.50 m ³
1 x 21.50 x	(1.50 + 1.0 + 2.00) / 3			1.25	40.32 m ³
1 x 12.0 x	(0.40 + 0.50) / 2			0.20	1.08 m ³
1 x 2.0 x	1.50 x 1.0				3.0 m ³
1 x 1.0 x	1.0 x 0.50				0.50 m ³
1 x 15.0 x	(0.50 + 1.0) / 2			0.475	5.34 m ³
1 x 19.0 x	(0.50 + 0.40) / 2			0.92	7.87 m ³
1 x 18.0 x	(4.0 + 4.40) / 2			1.25	94.50 m ³
1 x 30.0 x	(4.50 + 3.70 + 4.20) / 3			3.25	403.0 m ³
1 x 6.0 x	3.0 x 1.50				27.0 m ³
1 x 26.0 x	(1.50 + 1.25 + 1.0) / 3			(1 + 0.80) / 2	29.25 m ³
3 x 7.0 x	(3.50 + 4.5 + 4.0) / 3			1.50	210.0 m ³
1 x 3.0 x	1.50 x 0.60				2.70 m ³
1 x 16.0 x	1.0 x 0.90				14.40 m ³
1 x 4.0 x	4.0 x 0.60				9.60 m ³
1 x 5.0 x	1.50 x 1.0				7.50 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 2.0 x 1.0 x 0.75 =					1.50
1 x 2.0 x 1.50 x 0.80 =					2.40
1 x 5.0 x 1.0 x 0.50 =					2.50
1 x 15.0 x 4.50 x 1.25 =					84.38
1 x 9.0 x 4.0 x 0.95 =					59.85
1 x 12.0 x (1.0 + 0.50) / 2 x 0.50 =					4.50
1 x 15.0 x (6 + 6 + 1.50 + 1) / 4 x (1.2 + 1.5) / 2 =					73.41
1 x 9.50 x 4.50 x (0.70 + 1.20) / 2 =					32.06 m ³
1 x 3.80 x 2.20 x 0.50 =					4.18
1 x 30.0 x (4.75 + 4.5 + 4.3) / 3 x (0.75 + 0.95 + 0.85) / 3 =					23.75 m ³
1 x 17.0 x (4.0 + 4.70) / 2 x (0.90 + 1.20 + 0.40) / 3 =					61.63 m ³
1 x 12.0 x 1.50 x 0.75 =					13.50 m ³
1 x 4.0 x 2.0 x (0.6 + 0.90 + 0.50) / 3 =					5.33 m ³
1 x 4.0 x 4.0 x 0.65 =					10.40 m ³
1 x 6.0 x 1.0 x (0.6 + 0.9 + 0.5) / 3 =					4.0 m ³
1 x 27.0 x (1 + 1.2 + 0.8) / 3 x (1.0 + 1.8 + 1.80) / 3 =					42.30
1 x 6.0 x 1.0 x 0.60 =					3.60 m ³
CH - 4.0 m					
1 x 51 x (4.0 + 5.2 + 1.0) / 3 x (3.75 + 3.95 + 3.85) / 3 =					863.94 m ³
total =					2679.07 m ³
Deduction = 5.0 x 0.79 x 1.52 x 7.5 =					45.03
Net Qty =					2634.04 m ³

[illegible]

- Abstract of cost -

1) Labour for cutting 62mm

to 75mm dia. bamboo

piles to size and making

Qty = 6627.0 M vide Pg - 2

@ 36.40/m

Rs = 241223.00

2) Labour for fitting &

fixing 62mm to 75mm ϕ

bamboo runs in

position - --- do --- do ---

Qty = 3115.0 M vide Pg - 3

@ 95.40/m

Rs = 297171.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3) Labour of Filling Ec. Bags with local sand.					
Qty = 1450 No vide Pg - 4					
@ 1048.30/No -					Rs = 1520035 = w
4) Supply of Nylon Cores					
of size (1x1x1 M)					
Qty = 1450.0 No vide Pg - 4					
@ 44.63/No.					Rs = 64714 = w
5) Supply Ec Bag					
Filling of local sand & stitching and placing					
Qty = 45448 No vide Pg - 5					
@ 35.41/No.					Rs = 1609314 = w
6) Providing and Laying & Filling geo bags -- do --- do --- at Com. job -					
Qty = 17346 No vide Pg - 5					
@ 180.06/No.					Rs = 3123321 = w
7) Const. of laying of Porcupine Assembly Set.					
Qty = 219 No set vide Pg - 6					
@ 9427.00/set					Rs = 2064513 = w

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8) Supply and Carriage of Brick Bat & up to 8km					
Qty = 2634.04 m ³ vide B-8					
@ 2013.718 / m ³					B = 5302897 = ∞
Total =					
9) Supply 1000mm φ Hume. pipe & placing -					
Qty = 30.07 vide B-9					
@ 6574.256 / m					B = 195728 = ∞
Total =					14418916 = ∞
Add Cost @ 18% =					2595405 = ∞
Add LC @ 1% =					144189 = ∞
Add ST @ 10% =					408934 = ∞
					17567444 = ∞
Sd/- 5/2/2024 A.E					CIP Cd/- 05/02/2024