

Restoration of Road from Fera to
Middle School Sonachhi

Schedule XLV Form N.134.

P.W.D.

FJR-2020-21

श्री विनायक

DIVISION

श्री मन्जिव

SUB DIVISION

MEASUREMENT BOOK

Name of work - 1

Situation of work -

Agency by which work is executed -

Date of measurement.

No. and date of agreement

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

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
Name of work - Restoration of Road from Fenagash to middle school Sonapur.					
Agency - Departmental					
Authority - E & Ruo					
for begans					
Chargeable head - 2245 for					
work done					

① Filling of local sand from river bed at all camp

$$1 \times 105 \text{ m} \times \left(\frac{8 + 7 + 6.5}{3} \right) \text{ m} \\ \times \left(\frac{3.5 + 4.2 + 3.5}{3} \right) \text{ m} = 2809.33 \text{ m}^3$$

2nd time

$$1 \times 38 \times \left(\frac{6 + 4.5}{2} \right) \text{ m} \\ \times \left(\frac{1.5 + 2.5 + 1.4}{3} \right) \text{ m} = 359.10 \text{ m}^3$$

2nd cutting

$$1 \times 30 \text{ m} \times \left(\frac{7 + 6.5 + 6}{3} \right) \text{ m} \\ \times \left(\frac{2 + 3 + 2}{3} \right) \text{ m} = 454.34 \text{ m}^3$$

(Continuation)

$$2622.73 \text{ m}^3$$

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
② Labour for cutting 62mm to 75mm dia bamboo pile 2-ds all camp					
1x 90x 3x 4m = 1080m					
1x 95x 3x 4m = 1140m					
2nd time 1x 40x 3x 2m = 240m					
2nd cutting					
1x 22x 3x 3m = 198m					
3rd cutting 1x 43x 3x 2m = 258m					
2x 38x 3x 2m = 456.00m					

3372m

③ Labour for fitting and fixing 62mm to 75mm dia bamboo runner 2-ds all camp

1x 90x 3m = 270m	
1x 95x 3m = 285m	
2nd time 1x 40x 3m = 120m	
2nd cutting 1x 22x 3m = 66m	
1x 38x 3m = 114m	
3rd cutting 1x 43x 3m = 129m	
2x 38x 3m = 228m	
1212m	

(Continuation)

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
(4) Supplying of cc bag filling of local sand - dr all comp					
	1x90x	$\left(\frac{1.2+1.5}{2}\right)m$			
		$\times \left(\frac{3.5+4.2+3.5}{3}\right)m$			$= 453.6m^3$
	1x95x	$\left(\frac{1.2+1.5}{2}\right)m$			
		$\times \left(\frac{1.5+2.5+1.4}{3}\right)m$			$= 230.85m^3$
<u>2nd time</u>					
	2x40x	$\left(\frac{1.0+1.5}{2}\right)m$			
		$\times \left(\frac{1.5+2.5+1.4}{3}\right)m$			$= 180.5m^3$
<u>2nd cutting</u>					
	1x22x	$\left(\frac{1.2+1.5}{2}\right)m$			
		$\times \left(\frac{3.2+4.5+3.2}{3}\right)m$			$= 107.91m^3$
	1x38x	$\left(\frac{1.2+1.5}{2}\right)m$			
		$\times \left(\frac{1.5+2.5+1.5}{3}\right)m$			$= 94.05m^3$
<u>3rd cutting</u>					
	2x40x 1x49x	$\left(\frac{1.2+1.5}{2}\right)m$			
		$\times \left(\frac{1.2+1.5+0.8}{3}\right)m$			$= 60.03m^3$
	2x43x	$\left(\frac{1.2+1.5}{2}\right)m$			
		$\times \left(\frac{1.2+1.5+0.8}{3}\right)m$			$= 105.35m^3$
					$1231.79m^3$
	@ 35.315/bag				$= 43.501200$

(Continuation)

(Continuation)

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
⑤ Supply and carriage of brick bats upto 8 km do all comp					
					$1 \times 90 \times 4.0 \times 0.2 \text{ m} = 72 \text{ m}^3$
<u>2nd time</u>					$1 \times 60 \times 4 \times 0.2 \text{ m} = 48 \text{ m}^3$
					32 m^3
<u>2nd cutting</u>					$1 \times 30 \times 4 \times 0.2 \text{ m} = 24 \text{ m}^3$
<u>3rd cutting</u>					$2 \times 40 \times 1.5 \times 0.3 \text{ m} = 36 \text{ m}^3$
					164 m^3
⑥ Supply, laying and carriage of Hume					180 m^3
pipe 1000 mm dia					
11% to all					
comp					
					$19 \times 3 \times 2.5 \text{ m} = 142.5 \text{ m}$
					$3 \times 3 \times 2.5 \text{ m} = 22.5 \text{ m}$
					165 m
26/12/2020					
26/12/2020					
⑦					
05/3/20					

(Continuation)

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
<u>Abstract of cost</u>					
(1) Filling of local sand from river bed do all comp					
3622.73m ³ vide mBP (1)					
@ 627.77/m ³					
Rs-22,74,241.20					
(2) Labour for cutting 62mm to 75mm dia bamboo pile do all comp					
3,372m vide mBP (2)					
@ 75.86/m					
Rs-2,55,800.00					
(3) Labour for fitting and fixing 62mm to 75mm do all comp					
1212m vide mBP (2)					
@ 40.06/m ³					
Rs-48,553.00					

(Continuation)

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
(4) Supplying of EC bag filling of local sand - do all comp 43,501 bag @ vide m.B.P. - (3) @ 37.35/bag Rs 16,24,762-00					
(5) Supply and Carriage of brick bass do all comp 180m ³ 164m ³ vide m.B.P. - (4) @ 1851.91/m ³					

					Rs 3,03,713-00 23,343-00
(6) Supply, laying and Carriage of Flume pipe - do all comp (1000mm) 165m vide m.B.P. - (4) @ 5251.25/m Rs 8,66,456-00					
					Rs 53,73,525-00
					Rs 54,03,155-00
add 12% CST (+) Rs 6,48,378-00					
					Rs 60,51,533-00
Less 10% AE					Rs 60,46,000-00
Rs 26,12,200-00 26/12/2020 AE					Rs 26,12,200-00 26/12/2020 AE

(7) Total
05/01/20

(Continuation)