

Bughla to Raygopur to Sardar Jaha

Schedule XLV-Form No. 134

DIVISION

Trivenigani
Chhatrapur

SUB-DIVISION

Lalan Kumar

1290

MEASUREMENT BOOK

1st on A/c Bill

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:- Const. of					
Road from Bagla					
to Raghuraj TO					
Sardaha TO a.					
Agency:- Lalaji Kumar					
Modhepura.					
Agreement No:- 04/SBS/M.M. 1057					
(Anshesh) 2025-26					
Date of Start:- 24-06-2025					
Date of Compl:- 23-12-2022					

Record of Entry:-

1) Providing and fixing
working B.M. pillars.

Qty = 8 Nos.

2) Providing and fixing
Reference Pillar.

Qty = 8 Nos.

3) Clearing and grubbing
Road Land.

$$2 \times 4 \times 30 \times 3.50 = 840.0 \text{ m}^2$$

$$2 \times 6 \times 30 \times 3.50 = 1260.0 \text{ m}^2$$

$$2 \times 10 \times 30 \times 3.50 = 2100.0 \text{ m}^2$$

$$2 \times 7 \times 30 \times 3.50 = 1470.0 \text{ m}^2$$

$$2 \times 3 \times 30 \times 3.50 = 630.0 \text{ m}^2$$

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
2 x 10 x 30 x 3.50					= 2100.0 m ²
2 x 10 x 30 x 3.50					= 2100.0 m ²
2 x 6 x 30 x 3.50					= 1260.0 m ²
2 x 4 x 30 x 3.50					= 840.0 m ²
2 x 10 x 30 x 3.50					= 2100.0 m ²
2 x 5 x 25 x 3.50					= 875.0 m ²
				total =	15575.0 m ²
Say = 15575.0 / 10,000 = 1.56 Hach					

E/w calculation chart					
CH	C/S Area	Mean Arc	-	Diffm (M)	Volume (M ³)
0	0.311	-	-	-	0.00
50	0.987	0.649	-	50	32.45
100	0.583	0.785	-	50	39.25
150	0.548	0.565	-	50	28.25
200	0.347	0.448	-	50	22.40
250	0.800	0.574	-	50	28.70
300	0.726	0.763	-	50	38.15
350	0.764	0.745	-	50	37.25
400	0.868	0.816	-	50	40.80
450	1.131	0.999	-	50	49.95
500	1.047	1.089	-	50	54.45
550	0.854	0.951	-	50	47.55

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
600	0.598	0.726	-	50	36.30
650	0.516	0.557	-	50	27.85
700	1.269	0.893	-	50	44.65
750	1.490	1.380	-	50	69.00
800	1.225	1.358	-	50	67.90
	- Gap -				
805	1.225	-	-	-	
850	0.714	0.970	-	450	43.65
900	1.319	1.016	-	50	50.80
950	1.427	1.373	-	50	68.65
1000	1.689	1.558	-	50	77.90
1050	2.237	1.963	-	50	98.15
1100	1.633	1.935	-	50	96.75

1150	1.760	1.697	-	50	84.85
1200	2.010	1.885	-	50	94.25
1250	2.007	2.009	-	50	100.45
1300	1.760	1.884	-	50	94.20
1350	0.814	1.287	-	50	64.35
1400	0.925	0.869	-	50	43.45
1450	0.766	0.846	-	50	42.30
1500	1.346	1.056	-	50	52.80
1550	0.947	1.147	-	50	57.35
1600	0.822	0.885	-	50	44.25
1650	0.850	0.836	-	50	41.80
1700	1.912	1.381	-	50	69.05
1750	1.833	1.873	-	50	93.65
1800	2.413	2.123	-	50	106.15

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
1850	2.119	2.24	-	50	113.30
- trap -					
1855	2.121		-		
1900	1.488	1.805	-	45	90.25 ^{81.23}
1950	2.258	1.873	-	50	93.65
2000	1.560	1.909	-	50	95.45
2050	2.027	1.794	-	50	89.70
2100	1.581	1.804	-	50	90.20
2150	1.840	1.711	-	50	85.55
2200	1.498	1.669	-	50	83.45
22250	2.641	2.070	-	25	51.75
				Total =	2873.984 ³

Lead upto 100M

$$QY = 2873.98 \text{ m}^3$$

Record of Btly:-

1.) Box cutting of Rigid Road.

$$2 \times 4 \times 30 \times 0.375 \times 0.10 = 9.0 \text{ m}^3$$

$$2 \times 5 \times 30 \times 0.375 \times 0.10 = 11.25 \text{ m}^3$$

$$2 \times 3 \times 30 \times 0.375 \times 0.10 = 6.75 \text{ m}^3$$

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
2 x 5 x 30 x 0.375 x 0.10					$= 11.25 \text{ m}^3$
2 x 3 x 30 x 0.375 x 0.10					$= 6.75 \text{ m}^3$
					$\text{Total} = 45.0 \text{ m}^3$
2) Const. of embankment					
with approved mchty					
pty vide map - 5 same					
as box cutting qty					
					$45.0 \times 60\% = 27.0 \text{ m}^3$
3) Const. of subgrade					
earth should be					
4 x 30 m x (8.10 + 7.20) / 2 x 0.30					$= 275.40 \text{ m}^3$
6 x 30 m x (8.00 + 7.40) / 2 x 0.30					$= 415.80 \text{ m}^3$

5 x 30 x (8.10 + 7.30) / 2 x 0.30					$= 346.50 \text{ m}^3$
7 x 30 x (8.20 + 7.20) / 2 x 0.30					$= 485.10 \text{ m}^3$
10 x 30 x (8.30 + 7.10) / 2 x 0.30					$= 693.0 \text{ m}^3$
5 x 30 x (8.0 + 7.40) / 2 x 0.30					$= 346.50 \text{ m}^3$
1 x 15 x (8.0 + 7.10) / 2 x 0.30					$= 33.98 \text{ m}^3$
					$\text{Total} = 2536.28 \text{ m}^3$

4) Const. of granular sub-
base with well graded
Material (SSB - Cr1)

For BT Position

4 x 30 x 4.05 x 0.20					$= 97.20 \text{ m}^3$
2 x 30 x 4.05 x 0.20					$= 48.60 \text{ m}^3$
3 x 30 x 4.05 x 0.20					$= 72.90 \text{ m}^3$

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
$30M \times (5.95 + 4.65 + 4.05) \times 0.20$					$28.50M^3$
$4 \times 30M \times 4.05 \times 0.20$					$97.20M^3$
$10 \times 30M \times 4.05 \times 0.20$					$243.00M^3$
$30M \times (4.05 + 5.10) \times 0.200$					$27.45M^3$
$3 \times 30 \times 4.05 \times 0.20$					$72.90M^3$
$2 \times 30 \times 4.05 \times 0.20$					48.60
$7 \times 30 \times 4.05 \times 0.20$					170.10
$30M \times (4.05 + 5.05) / 2 \times 0.20$					27.30
$3 \times 30 \times 4.05 \times 0.20$					72.90
$2 \times 30 \times 4.05 \times 0.20$					48.60
$30M \times (4.05 + 4.80) / 2 \times 0.20$					26.55
$1 \times 5M \times 4.05 \times 0.20$					4.05
$4 \times 30M \times 4.05 \times 0.100$					48.60

$3 \times 30M \times 4.05 \times 0.10$					$36.45M^3$
$30M \times (4.05 + 5.65) / 2 \times 0.10$					14.55
$2 \times 30 \times (4.05 + 4.65) / 2 \times 0.10$					$26.10M^3$
(A) Total =					$1211.55M^3$

For PCC Portion

$2 \times 4 \times 30 \times 0.375 \times 0.10$					$9.0M^3$
$2 \times 5 \times 30 \times 0.375 \times 0.10$					$11.25M^3$
$2 \times 3 \times 30 \times 0.375 \times 0.10$					$6.75M^3$
$2 \times 5 \times 30 \times 0.375 \times 0.10$					$11.25M^3$
$2 \times 3 \times 30 \times 0.375 \times 0.10$					$6.75M^3$
(B) Total =					$45.0M^3$

Profile Correction

$4 \times 15M \times 1.35 \times 0.100$					$8.10M^3$
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Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	4	5.50	1.45	0.100	$= 3.19 \text{ m}^3$
	9	6.15	1.50	0.100	$= 8.30 \text{ m}^3$
	2	17	1.00	0.100	$= 3.40 \text{ m}^3$
	3	9.0	2.00	0.100	$= 5.40 \text{ m}^3$
		(C) total			$= 28.39 \text{ m}^3$
		A + B + C			$= 1284.94 \text{ m}^3$

5) Const. of work with

BT position

	1	30M	3.75	0.075	$= 33.75 \text{ m}^3$
	5	30M	3.75	0.075	$= 42.19 \text{ m}^3$
	30M	$(5.55 + 4.65 + 3.75)/3$			$\times 0.075 = 10.46 \text{ m}^3$
	4	30	3.75	0.075	$= 33.75 \text{ m}^3$
	10	30	3.75	0.075	$= 84.38 \text{ m}^3$

	30M	$(5.10 + 3.75)/2$			$\times 0.075 = 9.96 \text{ m}^3$
	3	30	3.75	0.075	$= 25.31 \text{ m}^3$
	4	30	3.75	0.075	$= 33.75 \text{ m}^3$
	5	30	3.75	0.075	$= 42.19 \text{ m}^3$
	30M	$(3.75 + 4.80)/2$			$\times 0.075 = 9.62 \text{ m}^3$
	3	30	3.75	0.075	$= 25.31 \text{ m}^3$
	2	30	3.75	0.075	$= 16.88 \text{ m}^3$
	1	15	3.75	0.075	$= 4.22 \text{ m}^3$
	1	20	$(3.75 + 4.25)/2$		$\times 0.075 = 6.00 \text{ m}^3$
	2	30	3.75	0.075	$= 16.88 \text{ m}^3$
	2	30	3.75	0.075	$= 16.88 \text{ m}^3$
	30M	$(4.75 + 5.50 + 3.75)/3$			$\times 0.075 = 10.46 \text{ m}^3$
	2	30	3.75	0.075	$= 16.88 \text{ m}^3$

Continuation

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Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
- Abstract of Cost: -					
$\frac{1}{40}$) Providing and fixing B.W Pillars.					
Qty = 3 Nos. vide Pg - 1					
@ 5408.82/No					B = 16926 = w
$\frac{2}{41}$) Providing and fixing Reference Pillar.					
Qty = 8 Nos. vide Pg - 1					
@ 2510.59/No					B = 20085 = w
$\frac{3}{42}$) Clearing and grubbing Rock Land.					
Qty = 1.56 Hect. vide Pg - 2					
@ 7553.34/Hect.					B = 117894 = w
$\frac{4}{43}$) Excavations for Box cutting Pce Portion.					
Qty = 48.04 m ³ vide Pg - 5					
@ 103.96/m ³					B = 4678 = w
$\frac{5}{44}$) Const. of embankment					
Qty = 27.04 m ³ vide Pg - 5					
@ 81.26/m ³					B = 2194 = w
$\frac{6}{45}$) Const. of embankment bed upto 100m					
Qty = 2873.98 m ³ vide Pg - 4					
@ 195.89/m ³					B = 562984 = w
$\frac{7}{47}$) Const. of scabgrade and further shown					
do - do - - do -					

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Qty = 2596.28 M ³ vide lg-5					
@ 264.42/M ³ Rs = 686508 = w					
8/48) Const of Granular					
sub-base with well					
graded detail					
Qty = 284.94 M ³ vide lg-7					
@ 3812.04/M ³					
					Rs = 4898243 = w
9/49) Const. of WBM					
UTM --- do --- do ---					
Qty = 466.44 M ³ vide lg-8					
@ 6368.39/M ³ Rs = 2970472 = w					
10/51) Providing and fixing					

Logo of Project Board.

Qty = 1 Nos. vide lg-8

@ 11904.97/Nos Rs = 11905 = w

Total = 9291189 = w

Add WST @ 18% = 1672414 =

LC @ 1% = 92912 = w

S. Fee = 166712 = w

11228227 = w

Less Below @ 1.57% = 176205 = w

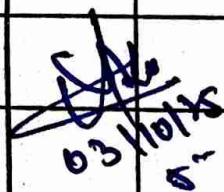
= 11047022 = w

03/10/25
5th23/10/25
A

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	Material Statement				
1. E/w =	5470.26	M ³			
		@ 35.25	M ³		
2. 53mm-9.5mm =	770.96	M ³			
		@ 1100.04	M ³		
3. 9.5mm-2.36 =	308.39	M ³			
		@ 429.37	M ³		
4. Local Sand =	462.58	M ³			
		@ 144.75	M ³		
5. 53mm-22.4mm =	564.39	M ³			
		@ 1100.04	M ³		
6. Screening Material =	111.95	M ³			
		@ 429.97	M ³		


 03/10/15
 5"