

परीह कोयरी विभाग से मेरा
पंचवर्षीय रख-रखाव कार्य

Schedule XLV-Form No. 134

M.B.No- 995 राजगीर DIVISION

कनौसराय SUB-DIVISION

Measurement Book

संवेदक - D. K. Varma.

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
N/W :-	Construction of goat/c/d				
	Walls of goat from Barit				
	Kotabigha to Main under				
	MMHS (NDB) BRIS at				
	Block Katarisrai				
N/Agency:-	Dileep Kumar Varma				
Agreement NO.:-	14/SBD/2023-24				
Date of start:-	05/12/2023				
Date of completion:-	01/11/2023				
Date of Measurement:-					

Item of works

① P/V & fixing of working					
Benchmark pillars = 01 No.					
② Refusable pillars = 03 No.					
③ Clearing & grubbing of					
goat land --- E/I					
2 X 20 X 30.00 m X 3.50 m = 4200.00 m ²					
2 X 1 X 25.00 m X 3.50 m = 1750.00 m ²					
Total = 4375.00 m ²					
to 0.4375 Ha					
④ Cutting of Trees in center					
cutting of trunks, branches.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
and removal of stumps					
(i) Girth above 300 mm					
to 600 mm					04 No.
(ii) Girth above 600 mm					
to 900 mm					02 No.
Construction of Embankment					
with Material obtained from					
borrow pits with a lead					
upto 100m & 100m					
Earth work calculation					

S.L. No.	Chainage (m)	C/S Area (m ²)	M/S Area (m ²)	Dist. (m)	Volume (m ³)
1	0	1.992	0	0.00	0.00
2	50	1.364	1.678	50	83.900
3	100	1.185	1.275	50	63.725
4	150	1.827	1.536	50	63.750
5	200	2.012	1.953	50	76.200
6	250	1.958	1.922	50	97.625
7	300	2.012	1.925	50	97.650
8	350	3.225	2.619	50	99.400
9	400	1.812	2.519	50	130.925
10	450	1.992	1.905	50	130.925
11	500	4.122	3.062	50	125.950

Continuation of S/L 40 = 1026.20 m³
 = 1026.30 m³ approx

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
SL No.	Chainage	4s Area	Meas 4s Area	Dist.	Volume
	(m)	(m ²)	(m ²)	(m)	(m ³)
			8.25	B/F =	1026.30 m ³
12	550	3.379	3.759	50	187.925
13	600	2.103	2.741	50	107.450
14	625	2.712	2.400	25	60.135
				Total =	1411.50 m ³
① For	1000 m			Leat =	40% of 1411.50 m ³
					= 564.60 m ³
② For	100 m			Leat =	(1411.50 - 564.60) m ³
					= 846.90 m ³
5) Construction of Subgrade for B.T. Position					
From CH 0.00 km to 0.300 km					
$1 \times 10 \times 30.00 \text{ m} \times \frac{(6.826 \text{ m} + 7.724 \text{ m})}{2} \times 0.30 \text{ m}$					
$= 654.84 \text{ m}^3$					
$1 \times 10 \times 30.00 \text{ m} \times \frac{(6.826 \text{ m} + 7.724 \text{ m})}{2} \times 0.30 \text{ m}$					
$= 654.84 \text{ m}^3$					
Total = 654.84 m ³					
From CH 0.500 km to 0.625 km					
$1 \times 5 \times 25.00 \text{ m} \times \frac{(6.826 \text{ m} + 7.724 \text{ m})}{2} \times 0.30 \text{ m}$					
$= 272.85 \text{ m}^3$					
Continuation					
Qty Total = 927.69 m ³					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ construction of granular					
sub-base by providing well					
graded material					
1X10X	30.00m	X	4.050m	X	0.200m = 243.00 m ³
1X10X	20.00m	X	3.75m	X	0.100m = 75.00 m ³
1X5X	25.00m	X	4.050m	X	0.200m = 101.25 m ³
Extra widening at H-curve					
2X15X	0.750m	X	0.200m		= 4.50 m ³
2X15X	0.800m	X	0.100m		= 2.40 m ³
1X15X	0.750m	X	0.200m		= 2.25 m ³
Total =					428.40 m ³

⑦ WBM Gr-3 PM, laying, spreading and compacting stone aggregates for B-T portion					
1X10X	30.00m	X	3.75m	X	0.075m = 84.37 m ³
1X5X	25.00m	X	3.75m	X	0.075m = 35.15 m ³
Extra widening at H-curve					
2X15X	0.600m	X	0.075m		= 1.35 m ³
1X15X	0.550m	X	0.075m		= 0.61 m ³
For PCC portion					
1X10X	20.00m	X	3.75m	X	0.075m = 56.25 m ³
Extra widening at H-curve					
1X15X	0.600m	X	0.075m		= 0.675 m ³
Total =					178.40 m ³

Continuation

Abstract of Cost

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	P.	
		B/F		Rs	43530.00
③ Cutting of Trees including cutting of trunks, branches and removal of stumps.					
① Girth above 300mm to 600mm					
04 No. vide TMB P-02					
@ Rs 345.26/each — Rs 1383.00					
② Girth above 600mm to 900mm					
02 No. vide TMB P-02					
@ Rs 573.62/each — Rs 1147.00					
④ Construction of Embankment with Material obtained from borrow pits with a lead upto 1000m					
564.60 m ³ vide TMB P-03					
@ Rs 258.52/m ³ — Rs 145960.00					
④(ii) Construction of Embankment with Material obtained from borrow pits with a lead upto 100m					
846.90 m ³ vide TMB P-03					
@ Rs 175.01/m ³ — Rs 148216.00					
C/O Rs 340236.00					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F	RS	340236.00
⑤ Construction of subgrade for BT Portion					
927.69 m ³		Vide	TMB	P-03	
@ RS 262.06/m ³					RS 243110.00
⑥ Construction of granular sub-base by providing well graded material					
428.40 m ³		Vide	TMB	P-04	
@ RS 2067.77/m ³					RS 885820.00
⑦ WBM G-3 P/V, laying, spreading and compacting stone aggregate					
178.40 m ³		Vide	TMB	P-04	
@ RS 321278/m ³					RS 573160.00
⑧ P/V & Fixing of typicse mmbsy informative sign board with logo					
02 No.		Vide	TMB	P-05	
@ RS 11062.67/each					RS 22125
					G/A RS 2064451.00

Continuation

Crucifix Twenty Four
Lakh, Sixty Four Thousand
One Hundred and
Twenty Five only)

19/05/19

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