

Name of work:- Dumro Dhamad PMSY reach to
Kangari (Lakhi, Parg)
Lmsy. Aukheri, ND

Schedule XLV-Form No. 134

12) SBD/23-24

DIVISION

Amarchi Kumar

SUB-DIVISION

Ramgarh Block 19901

Measurement Book

1349

(Please read lines should be kept free from any other text or figures for the measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1 ft on A/c				
Name of work	— Deenra Dhamad pmsy				
	road to Khagari (Lamitola)				
Ag. engg	— Anandi Kumar				
Agg.-No:	— 12-SBD/2023-24				
Date of start	— 15/12/2023				
Date of completion					
	as per agreement — 14/12/2024				
Agg.-Value	— Crds ₹ 10710337/-				
	Marts ₹ 8,99,076/-				
					8,08,186/-
	Rates of agreement — 0.11 % bslrd				

Record of measurement

① Setting out work complete.

1. okay

② Setting out work complete

Cleaning grass and

removal of rubbish

$$2 \times 54.8 \text{ m} \times 3.00 = 328.8 \text{ m}$$

1' = 0.33 feet

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③ Excavation for roadway in soil					
	1	25.00	1.80	0.125	5.62 m ³
	1	25.00	2.00	0.15	7.50 "
	1	25.00	1.75	0.100	4.37 "
	1	25.00	2.50	0.100	6.25 "
	1	25.00	1.90	0.100	4.75 "
	1	22.00	2.00	0.100	4.400
	1	20.00	3.00	0.100	6.00 "
	1	25.00	2.70	0.100	6.75 "
	1	18.00	2.30	0.200	8.28 L
	1	20.00	1.50	0.150	4.50 L
	1	18.00	1.80	0.125	3.60 L
	1	30.00	2.10	0.100	6.30 L
	1	20.00	1.20	0.15	3.60 "
	1	18.00	1.35	0.100	2.43 "
	1	12.00	2.00	0.100	2.40
	1	25.00	2.30	0.15	8.62 L
	1	20.00	1.00	0.100	2.00 L
					87.37 m ³
			ie	87.37 m ³	
	2012/23 2012/23 2012/23 2012/23				2012/23 2012/23 2012/23 2012/23
④ Removal of unremovable soil with disposal upto 1000m					
	20 ft. distance	(2)			
				17.47 m ³	

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) Length of embankment do - with deposit soil					
80 ft of toe (3)					
	2	80 ft. \times 87.37			
	2	69.90 m ²			
(6) Content of embankment do - up to 100 m length					
Distance	Area	mean Area	Dift	Volume	
(m)	(m ²)	(m ²)	(m)	(m ³)	
0	1.325	—	—	—	
50	1.039	1.182	50	—	59.10
100	1.054	1.047	50	—	52.325
150	1.051	1.053	50	—	52.625
200	1.034	1.043	50	—	52.125
250	1.090	1.062	50	—	53.100
300	0.879	1.035	50	—	51.725
350	1.162	1.071	50	—	53.525
400	0.864	1.013	50	—	50.650
450	1.094	0.979	50	—	48.950
500	1.038	1.066	50	—	53.300
550	1.905	1.472	50	—	73.575
600	2.232	2.069	50	—	103.425
650	1.853	2.043	50	—	102.125
700	0.723	1.288	50	—	64.400
750	1.689	1.206	50	—	60.300

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	800	0.430	1.060	50	52.975
	850	0.745	0.590	50	29.475
	900	0.502	0.626	50	31.275
	950	0.480	0.491	50	24.550
					1069.525
(4)	100 m lead				
	280	1/- of 1069.52			
		2	858.62 m ³		
(5)	1500 m lead				
	200	1/- of 1069.52			
		2	213.90 m ³		
	(6)	3012123 AEFC			3012123 AEFC
(7)	construction of subgrade				
	earthen embankment				
Subgrade (BT P.M)	10	30.00	7.70	0.30	693.00 m ³
	8	30.00	7.70	0.30	554.40
	1	8.00	7.70	0.30	18.48
					1265.88 m ³
		i.e.	1265.88 m ³		
		(6)	081011204 AEFC		8101124 AE
(8)	construction of H.S.B G.R.T				
BT portion	1	30.00	4.05	0.200	97.20 m ³
	4	30.00	4.05	0.200	97.20
	4	30.00	4.05	0.200	97.20
	4	30.00	4.05	0.200	97.20
					388.80
					m ³

Particulars	Details of actual measurement				Contents of area B/F
	No.	L.	B.	D.	
					388.80m ³
	2	30.0m	4.050.02m		48.60m ³
	1	8.0m	4.050.20m		6.48m ³
Ree portion	7	30.0m	3.950.100		78.75m ³
					522.63 m ³
					ie 522.63 m ³

⑨ ELM excavation for -

bounds off structure
Soil

Dutypipe	4	6.000.60	1.00	14.40m ³
				ie 14.40 m ³

⑩ Laying (Int class) Type

→ B	Bedding		

⑪ Plv & laying R. on NP3

1HP	Diagram of		

⑫ Control earthworks should

2 * 18 * 30.0m * 1.325 * 0.20 = 286.24m ³	3

14/01/2024

Continuation

14/01/24
AE

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
① Setting out work complete with Combi of bench Marks & set pillars					
Oty ride TMB p/1 item ①					
1.00 km @ Rs 1875 1.00/km ² 1875 = L					
② Clearing grass and removal of rubbish					
Oty ride TMB p/1 item ②					
0.33 km @ Rs 19930.80/km ² 6577 = v					
③ Excavation for roadwork in soil					
Oty ride TMB p/2 item ③					
= 87.37 m ³					
Limited to 87.03 m ³					
@ Rs 103.96/m ³ ↳ 9048 = c					
④ Removal of unsuitable soil					
Oty ride TMB p/2 item ④					
= 17.47 m ³					
Limited to 17.41 m ³					
@ Rs 103.96/m ³ ↳ 1810 = o					
↳ 36186 = ~					

Particulars	Details of actual measurement				Contents of area m ²
	No.	L.	B.	D.	
					36186 m ²
⑤ Constn of embankment with deposited soil.					
Dry side TrB of 3 items ③					
= 69.9 m ³					
Limited as per agreement					
= 69.62 m ³ @ 13.71 m ³ → 5828 m ²					
⑥ Constn of embankment dry upto 100m lead					
Dry side TrB of 4 items ④ ⑤ ⑥					
855.62 m ³ @ 217.07 m ³ → 185729 m ²					
⑦ Constn of embankment dry upto 100m lead					
Dry side TrB of 4 items ⑦ ⑧ ⑨					
213.90 m ³ @ 267.73 m ³ → 59280 m ²					
⑧ Constn of subgrade/ soil					
Dry side TrB of 4 items ⑩					
= 1265.88 m ³					
1 4 9 & 5 items ⑪ = 286.20					
1552.08					
1 4 438.03 m ³ → 67985.8 m ²					
1552.08					
1 4 64881 m ²					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					b) 964881m ²
(9) Content of Subgrade					
Quantity	48 Bar-I				
Qty width TMB P/S item (9)					
1265.88m ³					
522.63 m ³	Q B 2834.79/m ³				1481546.22
(10) Blw in excavation for					
29. Foundry of structure:					
Qty width TMB P/S item (10)					
14.40 m ³	Q B 427.09/m ³				6150.22
(11) Plv Rec m ³ 3500 M ²					
38 in Sub-structure					
Qty width TMB P/S item (11)					
40.00m ³	Q B 685.21/m ³				27408.22
(12) Plv Type Type (B)					
29. bedding					
Qty width TMB P/S item (12)					
6.00 m ³	Q B 601.14/m ³				3607.22
					2483592.22
Labour Cess 1%					24836.22
6.54 15% /.					447047.22
					2955475.22
					1
					✓ 2955475.22

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					131 F
					₹ 2955425
<u>Seigniorage Fee</u>					
vide item (6)	855.62	35.25	x 0.10	=	30162
Item (7)	213.90	35.25	x 0.10	=	69020
item (8)	1552.08	68.16	x 0.10	=	105762
Item (9)	522.63	757.56	x 0.10	=	395922
				⇒	3009343
Less off set for below area					33702
Present					3006033
(6) 14/01/2024					
ABOVE					
(7) 14/01/2024					
BE					
(8)					
(9)					
(10) 14/01/2024					