

Name of Road - SPN Road to Ramnagar.
(Mmasy, Aushash, NOB)

Shedule XLV Form No. 134.

10/SBD/23-24

M/s Ambay construction _____ DIVISION

रिजन मलिन रेलवे _____ SUB-DIVISION

Measurement Book

1348

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.	
Name of work :-	SPM road to Ramgarh				
	4 th km m masy (Awashah, NDB)				
Aggalo :-	10	530	23	24	
Agg. Value - Const. -	F				7685444 =
	Mans - F				7685442 =
					7686949 = ✓
Package No -	NDB-BRRP2-25-Masarakhi				
Name of Agency -	M/s Ambay construction				
Rate of agreement -	0.11 / sq.m				
Date of start -	15/12/23				
Stipulated date of completion -	14/12/2024				

No.	L.	B.	D.	Area
				10.87 m ²
30 m x	2.50	x 0.15	=	11.25
17.00 x	2.00	x 0.15	=	5.10
				27.22 m ²

ie 27.22 m³

④ Removal of unsuitable soil
 18/12/2023
 AEUE
 18/12/23
 AE

20 % of 27.22 m³

= 5.44 m³

⑤ Constant embankment

with material obtained from
 roadway cutting

Item ③ - Item ④

27.22 - 5.44 = 21.78 m³

ie 21.78 m³

⑥ Constant embankment

for all comp

Change	Area	Mean	Dial	Volume
(m)	m ²	m ²	(m)	(m ³)
0	16.488	-	-	-
50	2.411	9.450	50	472.475
100	2.405	2.408	50	120.400
150	1.271	1.838	50	31.900
200	1.292	1.282	50	64.075
250	1.500	1.396	50	63.800

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
300	1.552	1.526	50	-	76.30
350	1.718	1.635	50	-	81.75
400	1.620	1.669	50	-	83.45
450	1.635	1.628	50	-	81.375
500	1.639	1.637	50	-	81.850
550	1.730	1.685	50	-	84.225
600	1.602	1.666	50	-	83.300
650	3.550	2.576	50	-	128.800
700	3.423	3.487	50	-	174.325
750	0.982	2.203	50	-	110.125
					1804.150 m ³
② 100 m (canal) @ 85%.					
					= 1443.32 m ³

③ 1200 m (canal)					
					= 360.83 m ³
24/12/2013	AE/BR	24/12/23	AE		

⑦ Content of subgrade					
BT path	4	30.00	7.80	0.300	280.80 m ³
	4	30.00	7.70	0.300	277.20
	4	30.00	7.70	0.300	277.20
24/12/2013	4	30.00	7.60	0.300	273.60
	4	30.00	7.70	0.300	277.20
					1386.00 m ³
Free path	4	30.00	6.10	0.350	219.60
					1605.60 m ³
					1605.60 m ³
24/12/2013	AE/SE	24/12/24	AE		

Continuation

[illegible]

ABSTRACT OF COST

- ① Setting out work complete
with control of Bench mark.

Qty vide TMB	P/1 item	(1)
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D. 800 km	PH	17885 = n/km ²	14148 =
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- ② clearing growths of rubbish

Qty	vide	Inv P/1	item	(2)
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0.48	Hect. @	19330.80/A	=	2567
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- ③ Excavation in soil using

hydraulic excavators

$$\text{Hydrostatic pressure} = \rho \cdot g \cdot h = 27.22 \text{ m}$$

limited to $27.18 \text{ m}^3 @ 103.96/\text{m}^3 = 2826 \text{ m}^3$

9265412

Particulars	Details of actual measurement				Contents of area B/C
	No.	L.	B.	D.	
					1 265412
④ Removal of unsuitable soil					
Qty vide TMB P/2 item ④					5.44m ³
Limited as per agreement					
21.78m ³ @ 103.76/m ³					5662
⑤ Constn of embankment with					
material obtained from					
barrow pits & roadway cutting					
Qty vide TMB P/2 item ⑤					21.78m ³
Limited					
21.78m ³ @ 83.71/m ³					18202
⑥ Constn of embankment - do -					
upto 100 m la. adf					
Qty vide TMB P/3 item ④ ⑥					
1443.32m ³ @ 217.47/m ³					3133012
⑦ Constn of embankment					
do upto 100 m la. adf					
Qty vide TMB P/3 item ⑥ ⑦					
360.83m ³ @ 267.79/m ³					966272
					3133012
⑧ Constn of subgrade &					
earthen shoulder					
Qty vide TMB P/3 item ⑦					
1605.60m ³ @ 438.03/m ³					7033012
⑨ Constn of ASD CRT					
Qty vide TMB P/4 item ⑧					
514.75m ³ @ 2823.72/m ³					14676282
					26097842

Continuation

