

Name of road — Rasalpur-Bahrampur RUD Road
(mmhsy, Ausstest, NDB)
to Balupar

Schedule XLV-Form No. 134

10/SBD/23-24

M/S Ambay Construction DIVI: ..

Sub-Division SUB-DIV: ..
Rasalpur Bahrampur RUD Road

Measurement Book

1349

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: - Near R.C.C					
Culvert in Haro Lathagh road					
to Agarkumbhga (L = 0.550 km)					
Name of road: - Rasulpur to					
Bahrampur RWD road to					
Balupar. (L = 0.465 km)					
Agg. No: - 10-SBD/23-24					
Name of Contractor - M/S Ambay					
Construction					
Page No: - 103-BRPP-2-25 Masrubi					

Date of Start - 15/12/2023	
Intended date of Completion - 14/11/2024	
Accepted Rate - 0.11 % below	
Agg. Value - ₹ 44,07,150.00	
Margin - ₹ 2,32,173.00	

Record Measurement

① Setting out work complete
 0.410 km

② clearing & grubbing
 road land
 2 x 280 m x 3.00
 = 1680 m²
 i.e. 0.17 Hect

Continuation

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
③ Excavation for road work in soil					
ch. 0 to 100 m	1425.00	2.00	0.10	=	5.00 m ³
ch. 100 to 200 m	1425.00	1.60	0.10	=	4.00 m ³
ch. 200 to 300 m	1425.00	1.75	0.10	=	4.37 m ³
					13.37 m ³
					i.e. 13.37 m ³
④ Removal of unstable soil					
20% of 13.37					= 2.67 m ³
⑤ Cost of embankment with deposited soil					
80% of ch. ③					= 80% of 13.37
					= 10.70 m ³
⑥ Flow in embankment at all comp.					
Churnage	Area	Mean Area	Dist		Volume
(m)	(m ²)	(m ²)	(m)		(m ³)
0	0.418	-	-		-
50	0.44	0.420	50		21.45 m ³
100	1.02	0.73	50		36.50 m ³
150	0.82	0.92	50		46.00 m ³
200	0.98	0.90	50		45.00 m ³
Continuation					148.95 m ³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					148.95 ³
250	1.06	1.02	50		51.00
300	1.08	1.07	50		53.50
350	1.40	1.24	50		62.00
400	0.42	0.91	50		45.50
430	0.68	0.55	30		16.50
					377.45 ³
					ic 377.45m ³

a) 100 m lead = 80% of 377.45
301.96 m³

b) 1000 m lead
= 20% of 377.45
= 75.49 m³

20/12/23
AE/SE

20/12/23
AE/SE

20/12/23
AE

⑦ Concrete subgrade/shoulder

BT Porting	4	30.00	7.70	0.300	277.20
	4	30.00	7.50	0.300	270.00
	1	30.00	7.60	0.300	68.40
	1	18.00	7.00	0.300	37.80
Preparation	1	30.00	6.10	0.30	54.90
	3	30.00	5.00	0.30	135.00
	1	12.00	5.00	0.30	18.00
					861.30
					m ³

30/12/23 Continuation
AE/SE

30/12/23
AE

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ E/W in excavation for foundation of structure.					
for column dia 2	6.00	0.60	1.00		7.20 m ³
					ie 7.20 m ³
⑨ Laying PCC class bearing.					
8 x 2.50 x 0.60 x 0.25 =					3.00 m ³
					ie 3.00 m ³
⑩ Plr Laying NP3 300 mm dia cable duct					
8 x 2.50					
					= 20.00 m

⑪ Constn of L-9/3 GWT					
B.T portion					
1 x 18.00 x (10.70 + 4.05) x 0.20 =					26.55
					2
9 x 30.00 x 4.05 x 0.20 =					218.70
					245.25
					ie 245.25 m ³ (A)

P.C. portion					
1	7.30	4.30	0.100		3.14 m ³
1	10.00	5.80	0.100		5.80 m ³
1	30.00	3.75	0.100		11.25 m ³
1 x 30.00 + (3.75 + 3.65) / 2 x 0.100 =					11.10
1 x 30.00 + (3.65 + 3.55) / 2 x 0.100 =					10.80
1 x 30.00 + (3.55 + 3.45) / 2 x 0.100 =					10.50
1 x 4.70 x (3.45 + 2.95) / 2 x 0.100 =					1.50
1 x 4.70 + 3 =					299.34 m ³
					54.00 m ³

16/01/2024
A/E/S/E

16/01/24
A/E

54.00 m³
(B)

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Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	D.
(12) Paving apron				
Compacting - also w/m 4r. 3				
also - 7 sec 4.5.				
Pave portion	1	7.30	4.30	0.075 = 2.35 m
	1	10.00	5.80	0.075 = 4.35 "
	1	30.00	3.75	0.075 = 8.44 "
1 x 30.00 x (3.75 + 3.65) / 2 x 0.075 =				8.32 "
1 x 30.00 x (3.65 + 3.55) / 2 x 0.075 =				8.10 "
1 x 30.00 x (3.55 + 3.45) / 2 x 0.075 =				7.88 "
1 x 4.70 x (3.45 + 2.95) / 2 x 0.075 =				1.13 "
				40.57 "
	12	40.57 m ³		
	(A)			

BT portion				
1 x 18.00 x (10.70 + 3.75) / 2 x 0.075 =				9.75 "
	9	30.00	3.75	0.075 = 75.96 "
				85.69 "
				(B)

Total A + B = 126.26 m³

(13) Contd of un-reinforced
Pave Pavement M-30

	1	7.30	4.30	0.16	5.024
	1	10.00	5.80	0.16	9.28 "
	1	30.00	3.75	0.16	18.00 "

Continuation

32.30
m³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					32.30 m
1 x 30.00 x (3.75 + 3.65) x 0.16					17.76 77.76
1 x 30.00 x (3.65 + 3.55) / 2 x 0.16					17.28
1 x 30.00 x (3.55 + 3.45) / 2 x 0.16					16.80
					84.14 m ²
					ie 84.14 m ²

① Const. of eastern shoulder

$$2 \times 8 \times 30.00 \times 1.20 \times 0.275 = 158.40$$

ie 158.40 m³

DN 24

28/02/24

AC/EC

28/02/24

AC

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Sch. XLV-Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
ABSTRACT OF COST					
① Setting out work complete with marks of Bench Mark					
Qty under MBP / 1 item ①					
0.410 km @ B 17739.00/m					7273.20
② Clearing & grabbing road land					
Qty under MBP / 1 item ②					
0.17 item @ B 19930.80/m					3388.20
③ Excavation for road work in soil					
Qty under MBP / 2 item ③					
13.37 m ³ @ B 103.96/m ³					1390.20
④ Removal of unsuitable soil					
Qty under MBP / 2 item ④					
2.67 m ³ @ B 103.96/m ³					278.20
⑤ Condo of embankment do - form rip on the soil					
Qty under MBP / 2 item ⑤					
10.70 m ³ @ B 83.71/m ³					896.20

Continuation

B 13225.20

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					M 13225-
⑥ Contn of embankment also upto 100m length					
Qty vide TMB P/3 Item ⑥					
301.96 m ³ @ 217.07/m ³					M 65546-
⑦ Contn of embankment also upto 1000m length					
Qty vide TMB P/3 Item ⑥					
75.49 m ³ @ 267.73/m ³					M 20215-
⑧ Contn of subgrade Shoulder					
Qty vide TMB P/3 Item ⑦ = 86.30 m ³					
4 11 1 P/6 Item ④ = 158.40 m ³					
					1019.70 m ³
					@ 438.03/m ³ M 446659
⑨ Contn of G.S.B Gr-I					
Qty vide TMB P/4 Item ⑪					
299.34 m ³ @ 2768.72/m ³					M 828789
⑩ Plu. Layer Spreading & Compacting using 4r-3					
Qty vide TMB P/5 Item ⑫					
126.26 m ³ @ 4036.53/m ³					M 509652-

Continuation

M 1884086

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					1884086
(11) Constn of unreinforced					
14 P.C.C pavement 4-30					
Qty vide TMB P/6 item (13)					
84.14 m ³ (2 M)		74.21.30		m ³ 3	624425
(12) Excavation for structure.					
30 up to 3 m depth					
Qty vide TMB P/4 item (8)					
7.20 m ³ (2 M)		398.62		m ³ 3	2870
(13) Plot type B' Bldg					
Qty vide TMB P/4 item (1)					
3.00 m ³ (2 M)		578.25		m ³ 3	17262
(14) Plv. Paving 300 mm dis					
NP3 duct pipe					
Qty vide TMB P/4 item (13)					
20.00 m ³ (2 M)		245.83		m ³ 3	18917
					1819
					b 2532027
Labour cons 1 f.					253202
G.S.T 18 %					455765
					b 301312
					(A)
Sergioraq Res					
item (1) 301.96 x 35.25 x 0.10				2	10642
item (1) 75.49 x 35.25 x 0.10				2	26670
item (8) 1019.70 x 35.25 x 0.10				2	69444
		68.10			16050
item (9) 299.34 x 870.25 x 0.10				2	69444

Continuation

82742
343242

[illegible]