

Name of road :- Pavani Bass Bigga Road road to
Chodhary khanda (Mushy, Aronhas
K.O.B.)

Schedule XLV-Form No. 134

10/SBD/23-24

M/S Ambay Construction DIVISION

1981219 19812191 19812191 SUB-DIVISION

Measurement Book

1346

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

$$\overline{23.707^3}$$

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Particulars	Details of actual measurement				Contents of area B/F
	No.	L.	B.	D.	
					23.70 m ³
	1	4.00	7.00	0.100	2.80
	1	1.50	5.80	0.100	0.87
	1	9.80	8.20	0.100	8.70
	1	8.40	3.75	0.100	3.15
	1	12.60	3.75	0.100	4.72
	$1 \times 15.00 \times (3.75 + 4.20 + 4.70) \times 0.100$				6.32
	$1 \times 13.40 \times (4.70 + 3.60) \times 0.100$				5.56
Approach Link	1	10.80	3.00	0.100	3.24
	1	5.00	5.40	0.100	2.70
	$1 \times 8.00 \times (4.70 + 3.70) \times 0.100$				3.36
					76.97 m ³
Less for already measured					
Urban TMB of 12 items (2) Manual (8) = 33.75					

B-T portion	B-Scan Length				43.22 m ³
	1	30.00	4.05	0.200	24.30
	1	10.00	4.05	0.200	8.10
					75.62 m ³
	ie 75.62 m ³				

(2) P.V. laying spreading & compacting the - work by 3 dots - 405.

B-T portion	2-0 (Trenching)				3
	$1 \times 15.00 \times (8.00 + 3.75) \times 0.075$				6.61 m
30 m x 1 m	2				2
	$1 \times 10.00 \times (6.00 + 3.75) \times 0.075$				3.66 m

Continuation

10.27 m³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					10.77m ²
	1	19.00	3.75	0.075	5.344
Sub-total Link	1	13.00	(5.00+3.50)/2	0.075	4.14
PCC Pavement	1	13.40	(3.60+4.70)/2	0.075	4.12
	1	15.00	(4.70+4.20+3.75)/3	0.075	4.74
	1	12.60	3.75	0.075	3.54
	1	8.40	3.75	0.075	2.36
	1	9.80	8.90/2	0.075	6.54
	1	1.50	5.80	0.075	0.65
	1	4.00	7.00	0.075	2.10
Link (Approach)	1	10.80	3.00	0.075	2.43
	1	5.00	5.40	0.075	2.02
	1	8.00	(4.70+3.70)/2	0.075	2.52
					50.82m ²
					50.82m ²

③ Constn of PCC Pavement
M.30 - do - 1501.

	1	13.40	(3.60+4.70)/2	0.16	10.12
	1	15.00	(4.70+4.20+3.75)/3	0.16	10.12
	1	12.60	3.75	0.16	7.56
	1	8.40	3.75	0.16	5.04
	1	9.80	8.90	0.16	13.96
	1	1.50	5.80	0.16	1.39
	1	4.00	7.00	0.16	4.48
Approach Link	1	10.80	3.00	0.16	5.18
					56.63m ²

Continuation

56.63m²

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					56.63 m ³
	1	5.00	5.40	0.16	4.32
	1 x 8.00 x (4.70 + 3.70) / 2 x 0.16				5.38
		2			66.33 m ³
	ie 66.33 m ³				

④ Plv & applying primer coat

	1 x 15.00 x (8.00 + 3.75) / 2				88.13 m ²
	1 x 10.00 x (6.00 + 3.75) / 2				40.75
	1 x 19.00 x 3.75				71.75
School wall	1 x 13.00 x (5.00 + 3.50) / 2				55.25

ie 255.88 m²

⑤ Plv & applying touch coat measurement & qty same as in item ④

= 255.88 m²

⑥ Plv laying & rolling of

20 mm thick m.s.s.					
Measurement & qty same as in item ④					255.88 m ²
approx of ch	455	ft			
	1	4.60	2.70		12.42

Continuation

268.30 m²

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑦ Plv & timing board	✓	01	No.		
⑧ Plv & timing board	✓	02	also		
⑨ Plv & timing board		06	No		
⑩ Plv & timing board	✓	02	No		
⑪ Plv & timing board		04	No		
⑫ Plv & timing board	✓	01	No		
⑬ Plv & timing board		01	No		
⑭ Plv & timing board		04	No		
⑮ Plv & timing board		48	No		
⑯ Road marking on BT					
Surface					
2 x 20 m x 0.10					4.00 w
2 x 90 m x 0.10					4.00 w
					8.00 w

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(17) Road Making in per surface					
2x3	4.30	up	0.10	2	18.6 m
2x5	4.20	up	0.10	2	2 m
					20.00 m
	ie	20.00 m			

(18) Center of embankment / Subgrade / shoulder / all comp.					
Chainage (m)	Area (m ²)	Mean Area (m ²)	Dist (m)		Volume (m ³)
0	6.001	-	-	-	-
50	5.260	5.631	50	-	281.525
100	4.241	5.051	50	-	252.525
150	6.140	5.491	50	-	274.525
200	6.236	6.188	50	-	309.400
250	5.950	6.093	50	-	304.650
300	5.925	5.938	50	-	296.875
350	6.249	6.087	50	-	304.350
400	4.799	5.524	50	-	276.200
450	4.591	4.695	50	-	234.750
500	5.844	5.218	50	-	260.875
550	5.692	5.768	50	-	288.400
600	5.665	5.679	50	-	283.925
650	6.203	5.934	50	-	296.700
700	6.483	6.343	50	-	317.150
750	4.479	5.477	50	-	273.825

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
76870	S-109	47.30	187.0		89.564
					4345.239
<u>Less for cut</u>					
i) 4.5B vide TMB p/16				20)	568.35
vide TMB p/22				20)	75.62
ii) WBM for 3 vide TMB p/16				20)	185.62
vide TMB p/23				20)	50.82
iii) PCC pavement				20)	66.33
					3398.499 m ³

(A) Qty of embankment as

$$\text{per agreement} = 1046.42 \text{ m}^3$$

$$(9) 1000 \text{ m}^3 \text{ lead} = 80\% \text{ of } 1046.42$$

$$= 837.14 \text{ m}^3$$

$$(10) 1000 \text{ m}^3 \text{ P} = 20\% \text{ of } 1046.42 \text{ m}^3$$

$$= 209.28 \text{ m}^3$$

(B) Qty for subgrade shoulders

$$= 3398.499 - 1046.42 \text{ m}^3$$

$$= 2352.079 \text{ m}^3$$

(9) Painting on parapet wall

total width

2 nos. cut

$$\text{Top } 2 \times 2 \times 6.15 \times 0.400 = 9.84 \text{ m}^2$$

$$\text{Side } 2 \times 4 \times 6.15 \times 0.60 = 29.52 \text{ m}^2$$

$$\text{Front } 2 \times 4 \times 0.400 \times 0.600 = 1.92 \text{ m}^2$$

$$41.28 \text{ m}^2$$

Continuation

03/10/24
ME

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Sch. XLV-FORM NO.					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
ABSTRACT OF EST					
① Setting out work complete do all comp.					
Qty vide TMBP/14 item ①					
0.8000 m @ ₹ 17336.00/m = ₹ 14189.20					
② Clearing grass & removal of rubbish					
Qty vide TMBP/14 item ②					
0.42 Hect. @ ₹ 19930.80/H = ₹ 8371.20					
③ Excavation for roadwork in soil					
Qty vide TMBP/14 item ③					
46.12 m ³ @ ₹ 103.96/m ³ = ₹ 4795.20					
④ Removal of unsuitable soil					
Qty vide TMBP/15 item ④					
9.22 m ³ @ ₹ 103.96/m ³ = ₹ 959.20					
⑤ Conter of embankment with deposited soil					
Qty vide TMBP/15 item ⑤					
36.90 m ³ @ ₹ 8371/m ³ = ₹ 3089.20					
⑥ Conter of embankment upto 150m deep					
Qty vide TMBP/25 item ⑥					
837.14 m ³ @ ₹ 15217.07/m ³ = ₹ 12760.20					
587.84 m ³					

Continuation

158046.00
212162.00
218121.00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					₹ 15804.61
⑦ Contd of embankment					212.162
do do 15 cm 1 cm					2131215
Qty vils Tm B P/27 item (18) (B)					
209.28 m ³ @ ₹ 247.79/m ³					560413
⑧ Contd of subgrade & earth shoulder					
Qty vils Tm B P/27 item (18) (B)					
2352.07 m ³ @ ₹ 438.03/m ³					1030281
⑨ Contd of L.S.B. & T					
Qty vils Tm B P/16 item (19) = 568.35 m ³					
" " " P/22 item (20) = 754.21					
					643.57
@ ₹ 2783.99/m ³					1792806
⑩ Placing, spreading & compacting do do 4 cm					
do do 405.					
Qty vils Tm B P/16 item (16) = 185.62 m ³					
" " " P/23 item (17) = 50.82 m ³					
					236.44 m ³
@ ₹ 4055.00/m ³					958764
⑪ Pl & applying primer coat					
Qty vils Tm B P/15 item (11) = 2475 m ³					
" " " P/24 item (12) = 255.88					
Limit do 2707.71 m ³					2730.88 m ³
@ ₹ 58.36/m ³					159374
					₹ 4203430
					4210204

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					₹ 4305435
(12) P.V. & applying 1 each leaf					₹ 421520
Qty under TMBP/16 item (12) = 2475.00 m					
" " " P/24 item (5) = 255.88					
				2730.88 m	
Limited to 2727.71 m					
				₹ 19.76/m	₹ 54445
(13) P.V. & rolling of					
20 mm thick M.S.S					
Qty under TMBP/24 item (6) = 268.30 m					
" " " P/16 item (13) = 2475.00					
				2743.30 m	
Limited to 2727.71 m					
				₹ 250.79/m	₹ 684022
(14) Constn of P&C pavement					
M 30 at 150					
Qty under TMBP/24 item (3)					₹ 432635
66.33 m ³				₹ 7427.03/m ³	₹ 492635
(15) P.V. & boxing typical					
Informing & marking board					
Qty under TMBP/17 item (1) = 0.2 Nos					
" " " P/25 item (7) = 0.1 "					
				0.3 Nos	
				₹ 13993.76/each	₹ 419812
					₹ 1399450

Continuation

₹ 5454586
54833472

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					5454586
(6) Pl & binding citation					5483347
19 information board					
Qty vider TMB P/25 item (8)					
02 Nos @ ₹ 11864.33 / each					23729
(17) Pl & binding 60 cm					
20 equilateral triangle					
Qty vider TMB P/25 item (9)					
06 Nos @ ₹ 4262.38 / each					25574
(18) Pl & binding 60 cm					
21 Curvature					
Qty vider TMB P/25 item (11)					
04 Nos @ ₹ 5667.22 / each					22672
(19) Pl & binding 800 x 600					
22 mm rectangular					
Qty vider TMB P/25 item (10)					
02 Nos @ ₹ 7852.00 / each					15706
(20) Pl & binding 900 mm					
23 side octagon					
Qty vider TMB P/25 item (12)					
01 No @ ₹ 9980.61 / each					9981
(21) Pl & binding boundary					
24 Piles					
Qty vider TMB P/25 item (15)					
48 Nos @ ₹ 649.06 / each					31155
					5583410
					5612171

Continuation

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Particulars	Details of actual measurement				Contents of area B/F
	No.	L.	B.	D.	
					2 5583410
					561271
(22) pipe laying ordinary					
25 km stone.					
Qty via TMB P/25 item (13)					
Q/Nos @ ₹ 2616.33/m					2 261620
(23) P/L & fixing 200m					
26 stone.					
Qty via TMB P/25 item (14)					
Q/Nos @ ₹ 763.88/m					30562
(24) Road Marking with					
27 hot applied thermoplastic compound on					
bit surface.					
Qty via TMB P/20 item (17) = 122m					
" " " P/25 item (16) = 8m					
					140m
					@ ₹ 884.86/m = 123880
(25) Road marking with hot					
28 applied thermoplastic					
compound on PCC					
surface.					
Qty via TMB P/26 item (17)					
20m ² @ ₹ 970.12/m ²					2 194020
(26) Excavation for structure					
30 Qty via TMB P/17 item (15)					
80.12 m ³ @ ₹ 398.62/m ³					31937

Continuation

2 576430
5793062

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Particulars	Details of actual measurement				Contents B/F area
	No.	L.	B.	D.	
				2	5764301
(27) Plv p.c. m-15 (1:2:5:5)					5793062
31 Regulation P/17 item (16)					
12.44 m ³ @ ₹ 6355.02/m ³ = ₹					790561
(28) Laying Type (B) 1st class boundary					
39 Qty via TMB P/17 item (17)					
4.50 m ³ @ ₹ 575.25/m ³ = ₹					2589=
(29) Plv & laying R.C.C. NP3					
35 HP. 300 mm dia					
Qty via TMB P/17 item (18)					
20.00 m @ ₹ 945.81/m = ₹					28374=
(30) Plv & laying R.C.C. NP.					
34 1000 mm dia					
Qty via TMB P/17 item (14)					121432=
15.00 m @ ₹ 8099.49/m = ₹					46492=
(31) Plv P.C.C. M-15 in sub-structure					
35					
Qty via TMB P/18 item (21)					
74.82 m ³ @ ₹ 6997.96/m ³ = ₹					523587=
(32) Painting on plaster wall					
36 two coats					
Qty via TMB P/27 item (19)					
41.28 m ² @ ₹ 137.36/m ² = ₹					5670=
					₹ 6553830=

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				2	6553830 ⁰⁰
Gr 5 T 18.1/				2	1179689 ⁰⁰
Labour cost 1-1/				2	6553830 ⁰⁰
update				2	7779057 ⁰⁰
Significance Fee				(A)	
item (6)	837.14	3	35.25	0.10	29512 ⁰⁰
item (7)	209.28	3	35.25	0.10	7380 ⁰⁰
item (8)	2852.07	3	68.10	0.10	16018 ⁰⁰
item (9)	643.97	3	870.25	0.10	56041 ⁰⁰
item (10)	286.44	3	1434.24	0.10	33911 ⁰⁰
item (13)	2727.77	3	11.61	0.10	3167 ⁰⁰
item (14)	661.33	3	1071.32	0.10	7106 ⁰⁰
item (16)	12.44	3	1216.67	0.10	1514 ⁰⁰
item (17)	4.04	3	1216.67	0.10	9103 ⁰⁰
item (18)	working bench				
	03	31.35	0.10	2	10.00
item (19)	Raft Pillars				
	08	75.23	0.10	2	60.00
item (15)	03	306.60	0.10	2	92.00
item (16)	02	306.60	0.10	2	61.00
item (17) to (20)	13	153.30	0.10	2	1099 ⁰⁰
item (21)	48	43.80	0.10	2	210 ⁰⁰
item (22)	01	327.63	0.10	2	33 ⁰⁰
item (23)	04	58.25	0.10	2	23 ⁰⁰
				2	181237 ⁰⁰
				(B)	
Total A+B				2	7930254 ⁰⁰
Loss					

Continuation 7930254⁰⁰

~~Dr~~
08/04/24
AE