N/Scheme — Duman Bigaha se Daman Bigha in Dhamua Block.

Schedule XLV-Form No. 134

Ag No: — 18/SBD/2020-21

DIVISION

संवेदक ! — Ambey construction.

SUB-DIVISION

माप० पुस्तिका : — क० मि०३११

MEASUREMENT BOOK

1192

6th & Final

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Name of work:- Construction & Five years Maint. of road Damanbigha to Damanbigha under M.M.G.S.Y in Dhanarua Block.					
M/C:- M/s. Ambay Const.					
Agr No:- 18/SRD/2020-21					
Start dt — 18/9/2020					
Ext. dt of Comp- 17.9.2021					
Actual dt of Completion - 11.7.21					
work done					
(19) P/r & applying primer coat with (SS-1) -do- Comp. Job					
	CH: 00 - 2/30 M				
	1 ×	15.00 ×	$\frac{5.70+3.75}{2}$		= 70.88 M²
Proj	25 ×	30.00 ×	3.75		= 2812.50 "
	25 ×	30.00 ×	3.75		= 2812.50 "
	8 ×	30.00 ×	3.75		= 900.00
Curve to Right.	1 ×	15.00 ×	$\frac{3.75+4.80}{2}$		= 64.13
	1 ×	15.00 ×	$\frac{4.80+3.75}{2}$		= 64.13
	11 ×	30.00 ×	3.75		= 1237.50
End at Kansipur Road	1 ×	15.00 ×	3.75		= 56.25
Link to Damanbigha	CH: 00 - 83 M.				
From T. Junction	1 ×	10.00 ×	$\frac{6.20+3.75}{2}$		= 49.75
				Continuation	= 8067.64 M²

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				B/F:	8067.64 M²
	2 ×	30.00 ×	3.75		= 225.00 M²
	1 ×	13.00 ×	3.75		= 48.75
	Total		Qty.		= 8341.39 M²
(2/10) P/L & applying Take coat with (RS-1) —					
do — do — Comp. Do					
Area same above Item No. (1/9)					= 8341.39 m²
(3/11) P/L Laying & rolling 20 mm Thick Mix seal Surfacing Type 'B' — do Complete as per spe & dir. of C.E.					
	CH: 00 to 2130 M (upto Kanjepur Rd)				
	1 ×	15.00 ×	(5.70 + 3.75)/2		= 70.88 m²
	25 ×	30.00 ×	3.75		= 2812.50
	25 ×	30.00 ×	3.75		= 2812.50
	8 ×	30.00 ×	3.75		= 900.00
Curve:	1 ×	15.00 ×	(3.75 + 4.80)/2		= 64.13
	1 ×	15.00 ×	(4.80 + 3.75)/2		= 64.13
	11 ×	30.00 ×	3.75		= 1237.50
	1 ×	15.00 ×	3.75		= 56.25
Link to Damon Bgh					
	CH: 00 – 83 m				
	1 ×	10.00 ×	(6.20 + 3.75)/2		= 49.75
	2 ×	30.00 ×	3.75		= 225.00

Continuation

1 × 13.00 × 3.75 = 48.75

Total Qty. = 8341.39 m²

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(4/12) P/V & Fix-in-p RCC M-15					
K.M. Stone		—do—		—do—	
		Total	—		3 Nos
(5/13) P/V & Fix-in-p 200 M Stone					
(Speed Limit)		—do—		—do—	
		Total	—		8 Nos
(6/14) P/V & Fix-in-p 600 mm Circular					
(Speed limit) Traffic					
Sign	—do—	—do—			
		Total	—		4 Nos
(7/15) 900 mm equilateral					
Triangle (Left, right and Curve)					
T/Sign	—do—	—do—			
		Total	—		4 Nos
(8/16) 600 × 450 mm Rectangular					
(Place & School) - T/Sign					
		Total	—		3 Nos
(9/17) P/V & Lay-in-hot applied					
thermoplastic Compound					
2.5 mm Thick	—do—	—do—			
as per	—	—	—	IRC	
Kerb Edge	1	71	× 30.00 × 0.10 =		213.00 m
Left Side	1	58	× 30.00 × 0.10 =		174.00
"	1	× 24.00	× 0.10 =		2.40
Both Side	1	× 12 × 30.00	× 0.10 =		36.00
Both side	2	× 2 × 30.00	× 0.10 =		12.00

Continuation

2 × 1 × 23.00 × 0.10 = 4.60

Total Qty = 442.00 M²

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10/18) Plantation of Tree by the road side. do Comp. as per specified.					
			Total. Tree.		= 220 Nos
(11/20) P/F & Fix in direction & place identification Sign Board. — & —					
			Total. —		1 No
(12/21) P/F & Fix in Typical. MMGSY Information Board with Logo — do — do — & —					
			Logo Board —		1 No
			Maintenance Board —		1 No
					= 2 Nos
(13) Calculation of Embankment Earth work quality as per level graph & Calculation sheet.					
S.No.	CH:- (M)	Area C/S (M²)	Mean C/S (M²)	Distance (M)	Volume (M³)
1.	00	5.811	—	—	—
2.	50	5.928	5.870	50	393.475
3.	100	6.191	6.060	50	302.975
4.	150	6.041	6.116	50	305.800
5.	200	6.187	6.144	50	307.200
6.	250	6.072	6.130	50	306.475

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7.	300	6.419	6.246	50	312.275
8.	350	6.345	6.382	50	319.100
9.	400	6.151	6.248	50	312.410
10.	450	6.608	6.380	50	318.975
11.	500	6.169	6.389	50	319.425
12.	550	5.992	6.081	50	304.025
13.	600	5.766	5.879	50	393.950
14.	650	6.067	5.917	50	295.825
15.	700	5.852	5.960	50	297.975
16.	750	5.976	5.914	50	295.750
17.	800	6.118	6.047	50	302.350
18.	850	6.056	6.087	50	304.350
19.	900	5.956	6.006	50	300.300
20.	950	6.160	6.058	50	302.900
21.	1000	6.002	6.081	50	304.050
22.	1050	5.283	5.643	50	282.125
23.	1100	5.288	5.286	50	264.275
24.	1150	5.291	5.290	50	264.475
25.	1200	6.359	5.825	50	291.250
26	1250	6.108	6.234	50	311.675
27.	1300	6.076	6.092	50	304.600
28.	1350	6.199	6.138	50	306.875
29.	1400	6.032	6.116	50	305.775
30.	1450	6.051	6.042	50	302.075
31.	1500	6.205	6.128	50	306.400
32.	1550	5.982	6.094	50	304.675
33.	1600	6.395	6.159	50	309.425

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
34.	1650	6.164	6.280	50	313.975
35	1700	6.192	6.178	50	308.900
36.	1750	6.188	6.190	50	309.500
37	1800	5.954	6.071	50	303.550
38	1850	6.377	6.166	50	308.275
39.	1900	5.901	6.139	50	306.950
40	1950	9.980	7.941	50	397.025
41.	2000	10.900	10.440	50	522.000
42.	2050	9.267	10.334	50	516.675
43.	2100	9.104	9.186	50	459.275
44.	2130	9.205	9.155	30	274.634
	Total volume (Upto Crust) =				13672.410 m³ (A)
	Nala				
1.	00	7.828	—	—	—
2.	50	9.092	8.460	50	423.00
3.	83	7.753	8.423	33	277.943
	Total with Crust =				700.943 (B)
Total Bk = (A+B) =			13672.410 + 700.943		
			= 14373.353 m³		
			Say — 14373.00 m³ (D)		
For deduction of Crust					
(I) Sub-grade + Shoulders =			7304.00 m²		
(II) Coarse Sand =			1694.00		
(III) G.S.B. Bk =			1800.27		
(IV) WBM Gr-3 =			625.04		
			= 11423.31 m³		
			Say, 11,423.00 m³ (E)		
Hence Embt Bk = (D − E)					

Continuation

= 14373.00 − 11423.00

(F)

Sch. XLV-Form No. 134

Particulars	No.	L.	B.	D.	Contents of area
(14/4) Const of Embtt with 100m lead — do — do					
up date - 84 :					
Qty vide - 1/38, MB(13) Mark(F)					= 2950.10 M3
(15/19) Lay p&le bulf pcfr do comp. ors					
	1×4×2.50 m			=	10.00M
11.7.21 J.E				19/7/21 A.E	
	17/7				
Final Part					
ABSTRACT OF COST					
(1/1) P/VC fix of works of Bench Mark — do — do					
Qty = 2.20 KM (8/29, Item 1/1)					
@ 3810=07/KM				— ₹	8382=
(2/2) P/v & fix of Reference pillar — do — do					
Qty = 2.20 KM (8/29, It 2/2)					
@ 1742=39/KM				— ₹	3883=40
(3/3) Clearing & grubbing of road land — do — do					
Qty = 0.44 Hact (8/29, It 3/3)					
@ 52970=33/Hact				— ₹	23,307=

Continuation ₹ 35,572=

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(4/4) Constn of Embkt with material obtained upto 100 m. lead.					
do — do — cft 0.1 4/4)					
= 2950.00 M³ (P/39, Sl.					
Limited Qty to - 294.25 M³					
@ 153=66/M³					— ₹ 4,51,952=00
(5/5) Constn of Sub grade & earthen Shoulders					
do — do — cft 0.2					
Q/ty = 7304.00 M³ (P/29, Sl. 5/5)					
@ 192=25/M³					— ₹ 14,04,194=00 ~~1404,914=~~
(6/6) Coarse sand - filling					
in Subbase:-					
do — do — cft 0.5					
Q/ty = 1694.00 M³ (P/30, Sl. 6/6)					
@ 1926=09/M³					— ₹ 32,59,408=00
(7/7) Constn of G.S.B. Grade					
do — do — as per					
Sl. — — — — cft 0.19					
Q/ty = 1799.82 M³ (P/30, Sl. 7/7)					
@ 2486=35/M³					— ₹ 44,74,982=00
(8/8) P/L Laying Compacting W.B.M. Grade-3					
Comp. — — — — cft 0.19					
Q/ty = 624.94 M³ (P/30, Sl. 8/8)					
@ 3081=41/M³					— ₹ 19,25,509=00
Continuation					1,15,51,617=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(9/9) P/V & apply ~~to~~ to Bottom Coat — do — do					
= 8341.39 M² (B/34, Pg 9/9)					
Limit to 8332.50 M²					
@ 43=16/M²					₹ 3,59,631=00
(10/10) P/V & apply ~~to~~ to Top Coat — do — do					
= 8341.39 M² (B/34, Pg 2/10)					
Limit to 8332.50 M²					
@ 14=77/M²					₹ 123071=00
(11/11) P/V Lay ~~to~~ & ~~to~~ to 20mm Thick M.P. Screed ~~Surface~~ ~~Type~~ B3 — do — do — Approx — Exp					
= 8341.39 M² (B/34, Pg 3/11)					
Limit to 8332.50 M²					
@ 197=35/M²					₹ 16,44,419=00
(2/12) P/V & ~~to~~ to RCC M-15 R.M. Stone — do —					
= 3 Nos (B/35, Pg 4/12)					
~~& Limit to 2 Nos~~					
@ 20953=55 each					₹ 6287=00 each
(13/13) P/V & ~~to~~ to 250 M. Stone (Rate cost) — do — do					
= 8 Nos (B/35, Pg 5/13)					
@ 586=16 each					₹ 4689=00
Continuation					1,36,89,719=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14/14) P/V&C [illegible] [illegible] 600mm Circular (speed limit) T/sign — do — do					
= 4 Nos (P/35, Sl. 6/14)					
@ 4611.21 each — ₹					18445=
(15/15) 900mm equilateral (left right on curve) T/sign					
= 4 Nos (P/35, Sl. 7/15)					
Limit to 2 Nos					
@ 5094.39 each — ₹					10,189=00
(16/16) 600×450mm [illegible] (Place, school) T/sign					
= 3 Nos (P/35, Sl. 8/16)					
Limit to — 2 Nos					
@ 4485.83 each — ₹					8972=00
(17/17) P/L laying hot applied Thermoplastic Compound 2.5mm thick — do — do					
= 462.00 M² (P/35, Sl. 9/17)					
Limit to 440.00 M²					
@ 721.95/m² — ₹					317658=00
(18/18) Planting of Tree by the road side — do — do as per spec — — CA					
= 220 Nos (P/36, Sl. 10/18)					
@ 842.62 each — ₹					185376=00

Continuation

1,42,30,354=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(19/19) P/L & Laying RCC Pipe duct 300 mm dia — do					
= 20.00 M (P/30, Item 9/19)					
= 10.00 M (P/39, Item 15/19)					
= 30.00 M @ 836.66/M — ₹					25,100.00
(20/20) P/L & Fixing Place Identification Info Board do —— do					
= 1 No (P/36, Item 11/20)					
@ 11339.99 each — ₹					11340.00
(21/21) P/L & Fixing Typical PMGSY Project Information Info Board with Logo do — do — do do					
= 2 Nos (P/31, Item 10/21)					
= 2 No (P/36, Item 12/21)					
= 4 Nos @ 10875.99 each — ₹					43,504.00
					₹ 1,43,10,298.00
(22/27) Add 1% Lab-Cess — ₹					1,43,103.00
(23/28) Add 12% G.S.T — ₹					17,17,236.00
(24/29) Add Roy. Fee					
(i) Emb+Subgrade etc. 8½ = 10245.25 M³					
@ 3.481/M³ —— ₹ 35664.00					
(ii) G.S.B. Gr I					
= 1799.82 M³ @ ~~50.695/M³~~ — ₹					

@ 555.581/M³ — ₹ 1,000,366 ₹ 135,7[illegible]
C—
₹ 1,61,70,637.00

Sch. XLV-Form No. 134

BF 1,61,70,637=00

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(III) W.B.M. Gr.3		BF	₹ 135,700=00		
8% = 624.94 M³					
@ ₹1,430/M³			= ₹ 24,639=00		
(IV) Rcc duct pipe.					
= 30.00 M.					
@ 5,107/M			= ₹ 153=00		
(V) 20MM. M.S. Surface					
8% = 8332.50 M²					
@ 1,413/M²			= ₹ 11774=00		
			₹ 192,266=00		₹ 192,266=00
					₹ 1,63,62,903=00
Less 0.11%					(-) ₹ 17,999=00
					₹ 1,63,44,904=00
Less Provisional Sum					(-) ₹ 1,23,25,050=00
					₹ 40,19,854=00

Overall Material Statement

(I) Earth Work	1024.25 M³
(II) Stone Metal (Gr.2+Gr.3)	2370.00 M³
(III) Coarse Sand	2486.00 M³
(IV) Stone Screening	2464.75 M³
(V) Stone Chips	150.00 M³
(VI) Bitumen (S-90)	225.00 M³
(VII) Emulsion (SS-1)	15,849.00 kg
(VIII) Emulsion (RS-1)	7090.00 kg
	2294.00 kg

Continued