

Pase Badmout PMUly to A. deverse Tala.

Head - PMGISY (G)
MNGSY.

Measurement Book

Schedule XLV-Form No. 134

R. W. D (W) Jamu

DIVISION

Barhat ~~taxpayer~~.

SUB-DIVISION

Ag: MD. SHAHBAZ ALAM

Agreement no. 16(SBD)/2021-22

MB No - 2920

Construction of road from

Name of Work - **Pero Backout pier ST 10**
 Situation of work - **Adaravala**
 Agency by which work is executed - **P. V. B. P. S. Ltd.**
 Date of measurement - **20.10.2021**
 No. and date of agreement - **16(SB)/2021-22**
 (These four lines should be repeated at the commencement of the measurements relating to each work). **30-9-22**

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Providing & fixing of					
Benchmark & reference					
pillar - do - all complete					
		$10 \times 30 \text{ m} = 300$			
		$12 \times 30 \text{ m} = 360$			
		$18 \times 30 \text{ m} = 540$			
		$16 \times 30 \text{ m} = 480$			
		$14 \times 30 \text{ m} = 420$			
		$10 \times 30 \text{ m} = 300$			
		$3 \times 30 \text{ m} = 90$			

		$20 \times 30 \text{ m} = 600$			
		$1 \times 10 \text{ m} = 10$			
		$8 \times 30 \text{ m} = 240$			
		$12 \times 30 \text{ m} = 360$			
		$18 \times 30 \text{ m} = 540$			
		$5 \times 30 \text{ m} = 150$			
		$1 \times 10 \text{ m} = 10$			
		$3 \times 30 \text{ m} = 90$			
		$1 \times 10 \text{ m} = 10$			
		$16 \times 30 \text{ m} = 480$			
		$1 \times 20 \text{ m} = 20$			
		$5000 \text{ m} = 5.0 \text{ km}$			

(2) Cleaning & grubbing of					
rd. Emb - do - all complete					
		$5000 \times 3.50 \text{ m} = 17500 \text{ m}^2$			
		$17500 / 10000 = 1.75 \text{ kha} = 1.75 \text{ kha}$			

Continuation

EARTH WORK QUANTITY SHEET

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Sl. no.	Chang.	Area	Mean Area	D. Stan. - Co	Volume
1	0.00	2.820	-	-	-
2	100	2.400	2.616	100	261.00
3	200	2.870	2.635	100	263.50
4	300	2.810	2.840	100	284.00
5	400	3.710	3.260	100	326.00
6	500	3.820	3.765	100	376.50
7	600	2.420	3.120	100	312.00
8	700	3.680	3.050	100	305.00
9	800	3.820	3.750	100	375.00
10	900	2.490	3.155	100	315.50
11	1000	2.870	2.680	100	268.00
12	1100	2.840	2.855	100	285.50
13	1200	2.330	2.585	100	258.50
14	1300	2.740	2.535	100	253.50
15	1400	3.160	2.950	100	295.00
16	1500	3.070	3.115	100	311.50
17	1600	2.850	2.960	100	296.00
18	1700	2.940	2.895	100	289.50
19	1800	2.840	2.390	100	289.00
20	1900	3.420	3.135	100	313.50
21	2000	3.410	3.420	100	342.00
22	2100	2.650	3.040	100	304.00
23	2200	2.450	2.550	100	255.00
24	2300	2.420	2.435	100	243.50
25	2400	2.350	2.385	100	238.50
26	2500	2.250	2.300	100	230.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
28	2600	3.250	2.750	100	275.00
28	2700	3.630	3.440	100	344.00
29	2800	2.250	2.940	100	294.00
30	2900	3.030	2.640	100	264.00
31	3000	2.350	2.690	100	269.00
32	3100	1.980	2.165	100	216.50
33	3200	3.030	2.505	100	250.50
34	3300	3.090	3.060	100	306.00
35	3400	3.200	3.145	100	314.50
36	3500	3.110	3.155	100	315.50
37	3600	3.460	3.285	100	328.50
38	3700	3.390	3.425	100	342.50
39	3800	4.160	3.775	100	377.50

40	3900	3.710	3.935	100	393.50
41	4000	2.850	3.280	100	328.00
42	4100	2.350	2.600	100	260.00
43	4200	2.870	2.610	100	261.00
44	4300	2.940	2.905	100	290.50
45	4400	2.840	2.890	100	289.00
46	4500	2.780	2.810	100	281.00
47	4600	3.160	2.970	100	297.00
48	4700	3.080	3.120	100	312.00
49	4800	2.850	2.965	100	296.50
50	4900	2.940	2.895	100	289.50
51	5000	2.840	2.890	100	289.00
				Total	14775.00 m ³

(i) E/w in subgrade.

$$5000 \times \frac{6+8.35}{2} \times 0.30 = 10762.50 \text{ m}^3$$

Continuation

(i)

(ii) E/w in embankment

Total - (i)

$$= 14775.0 - 10762.50 = 4012.50$$

--- (ii) m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) Construction of embankment with materials obtain from borrow pits - do - all complete. Qty. used TAB Page (3) & (iv) for 1000 M lead.					
					$6.5\% \text{ of } 4012.50 \text{ m}^3 = 260.81 \text{ m}^3$
(4) Construction of embankment. with materials obtain from borrow pits - do - all complete Qty. used TAB Page (3) & (iv) for 1000 M lead					
					$93.5\% \text{ of } 4012.50 \text{ m}^3 = 3751.69$ Limit 3750.39 m^3
(5) Construction of Sub-grade and earthen shoulder with approved material obtain from borrow pits pits with all lead left. - do - all complete sub.					
					Qty. used TAB Page (3) & (iv) $= 10762.50 \text{ m}^3$
(6) Construction of granular subbase by spreading well graded materials - do - all complete					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
21 on (6/7) continuation.					
	10	30.0	4.05	0.20	243.00
	12	30.0	4.05	0.20	291.60
	18	30.0	4.05	0.20	437.40
	16	30.0	4.05	0.20	385.80
	14	30.0	4.05	0.20	340.20
	10	30.0	4.05	0.20	243.00
	3	30.0	4.05	0.20	72.90
	20	30.0	4.05	0.20	486.00
	1	10.0	4.05	0.20	8.10
	8	30.0	4.05	0.20	194.40
	12	30.0	4.05	0.20	291.60
	18	30.0	4.05	0.20	437.40

	5	30.0	4.05	0.20	121.50
	1	10.0	4.05	0.20	8.10
	3	30.0	4.05	0.20	72.90
	1	10.0	4.05	0.20	8.10
	3	30.0	4.05	0.20	72.90
	1	10.0	4.05	0.20	8.10
					3726.043

(7/31) Rounding & fixing typical
unusual infirmatory
Sign board

2 no = 2 no

20.10.21
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ABSTRACT OF COST

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Framing & forming of bench mark.					
Qty. under TMB Page (1)					
5.0 KM @ Rs 32237.26 / KM = Rs					1,61,186.30
(2) Clearing & grubbing red. Land.					
Qty. under TMB Page (1)					
1.75 Hrs @ Rs 51137.38 / Hrs = Rs					89,490.41
(3) Construction of embankment.					
Qty. under TMB Page (4)					
260.81 M ³ @ Rs 190.45 / M ³ = Rs					49,671.23
(4) Construction of embankment.					
Qty. under TMB Page (4)					
3750.39 M ³ @ Rs 148.89 / M ³ = Rs					5,58,396.00
(5) Construction of Subgrade.					
Qty. under TMB Page (4)					
10762.50 M ³ @ Rs 192.13 / M ³ = Rs					2,06,779.90
(6) Grade Pavement of G.S.B. 90 mm					
Qty. under TMB Page (5)					
3726.00 M ³ @ Rs 1909.80 / M ³ = Rs					7,11,591.50
(7) Providing & fixing 100 mm G.S.B. 60 mm					
Qty. under TMB Page (5)					
220.00 @ Rs 9263.51 / Each = Rs					18,527.00
					Rs 1,00,60,984.00
Add 12% C.S.T.					(A) Rs 12,07,318.00
Add 1% Labourer					(B) Rs 1,00,610.00
					Rs 1,13,68,912.00
Less 16.50% as per agreement					(C) Rs 18,75,870.00
Grand Total					Rs 94,93,042.00

Continuation

20.10.21
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