

Schedule XLV-Form No. 134

பொதுமக்கள் பங்கேற்பு

ம.ம.இ.ச. - அருச்சுனன் (NDB)

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NO-615301

MEASUREMENT BOOK

மாணவர்களுக்கான & சமூகப் பங்கேற்பு

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)

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(2) Setting out Bench mark pillars and Reference pillar etc					
(a) Bench mark pillars -				2 nos	
(b) Reference pillars -				7-10 nos	
(3) Laying of lines and corners etc:-					
S & N				5.0 Nos	
(4) Construction of Subgrade section shoulders etc					
[For New B.T construction]					
$10 \times 30.00 \times 7.25 \times 0.30 =$					652.50 M ³
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$10 \times 30.00 \times 7.25 \times 0.30 =$					652.50 M ³
$50 \times 30.00 \times 7.25 \times 0.30 =$					326.25 M ³
Total					3588.75 M ³

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(b) Continuity of measurement required					
Person or persons to be measured					
[As per graph attached]					
Sd NO	Ch	Full Area	Mean Area	Dist	Volume
1	0	1.048			
2	50	0.865	0.954	50	17.825M ³
3	100	0.355	0.610	50	30.500M ³
4	150	0.834	0.595	50	29.725M ³
5	200	1.106	0.970	50	48.500M ³
6	250	0.765	0.936	50	46.775M ³
7	300	0.368	0.567	50	28.325M ³
8	350	0.314	0.341	50	17.050M ³
9	400	0.293	0.304	50	15.175M ³
10	450	0.855	0.574	50	28.700M ³
11	500	0.473	0.664	50	33.200M ³
12	550	0.816	0.645	50	32.225M ³
13	600	0.314	0.565	50	28.250M ³
14	650	0.332	0.323	50	16.150M ³
15	6700	0.512	0.422	50	21.100M ³
16	750	0.595	0.554	50	27.675M ³
17	800	0.685	0.640	50	32.000M ³
18	850	0.576	0.601	50	30.025M ³
19	900	0.766	0.641	50	32.050M ³
20	950	0.805	0.786	50	39.275M ³
				CH	

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
30 NO	ch	121 Area	Mean Area	121	40000
21	1000	1.042	0.924	50	16.17443
22	1050	0.623	0.733	50	36.62543
23	1100	0.458	0.441	50	22.02543
24	1150	0.334	0.376	50	19.80043
25	1200	0.390	0.362	50	18.10043
26	1250	0.333	0.362	50	18.07543
27	1300	0.304	0.319	50	15.92543
28	1350	0.517	0.411	50	20.52543
29	1400	0.304	0.411	50	20.52543
30	1450	0.306	0.305	50	15.28043

31	1500	0.307	0.307	50	15.325 N3
32	1550	0.295	0.301	50	15.050 N3
33	1600	0.185	0.240	50	12.000 N3
34	1650	0.205	0.195	50	9.75 N3
35	1700	0.136	0.171	50	8.525 N3
36	1750	0.165	0.151	50	7.525 N3

Total:-	885.72503
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7 (a) upto lead 10 cm:- 885.725 N^3

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Continuation

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Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(8) Earth work excavation for foundation etc:-					
[600 mm ϕ - 1 No]					
H/W:-	2	3.900	1.150	1.500	13.45 M ³
Below pipe:-	1	5.350	1.13	0.365	2.21 M ³
[1000 mm ϕ - 3 Nos]					
H/W	3	2.6450	1.400	1.500	81.27 M ³
Below pipe:-	3	4.850	1.53	0.365	8.12 M ³
Total:-					105.05 M ³
10/3/24 S.E.					
(9) P.V and Casing M.S.P.C.C (1:2:5:5) for levelling course etc:-					
[600 mm ϕ - 1 No]					
H/W:-	2	3.900	1.150	0.150	1.35 M ³
Below pipe:-	1	5.311	1.13	0.250	1.500 M ³
[1000 mm ϕ - 3 Nos]					
H/W	2	3.6450	1.400	0.150	8.13 M ³
Below pipe	1	3.4.931	1.530	0.250	5.66 M ³
Total:-					16.64 M ³
12/3/24 S.E.					

Continuation

Particulars	Details of actual measure			Contents of area
	No.	L.	B.	
(10) plain Cement Concrete for Substructure for hand wall H/W of				
[600 mm Ø - 1 NO]				
H/W = $2 \times 3.600 \times \frac{(1.00 + 0.40)}{2} \times 2.18 = 10.99 \text{ M}^3$				
Parapet wall $2 \times 3.600 \times 0.40 \times 0.60 = 1.73 \text{ M}^3$				
Less pipe: $- 2 \times 0.7854 \times (0.830)^2 \times 0.530 (-) 0.57 \text{ M}^3$				
[1000 mm Ø - 3 NOS]				
H/W $2 \times 3 \times 6.150 \times \frac{(1.25 + 0.40)}{2} \times 2.58 = 78.54 \text{ M}^3$				
Parapet $2 \times 3 \times 6.150 \times 0.40 \times 0.60 = 8.86 \text{ M}^3$				
Less pipe $2 \times 3 \times 0.7854 \times (1.23)^2 \times 0.622 (-) 4.43 \text{ M}^3$				
Total :-				95.12 M ³

19/3/24

(11) PIV and fixing RCC NP3
pipe etc! -

(a) 600 mm ϕ $\rightarrow 3 \times 2.50 \Rightarrow 7.50$ Rmt

(b) 1000 mm ϕ $\rightarrow 3 \times 3 \times 2.50 \Rightarrow 22.50$ Rmt

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Continuation

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Continuation

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Continuation

11. PVC dual fitting NPS pipe
(39.40) 600 mm and 1000 mm pipe
Qty note TN B (530) Page (7) Item (11)
 $\frac{9}{(40)}$ 600 mm pipe -
7.50 Lmt @ 3212 = 8514 B - 24096 = 10
 $\frac{14}{(39)}$ 1000 mm pipe
22.50 Lmt @ 7557 = 52124 B - 170044 = 10
447 8000699 = 10



Material Statement

(1) Earthwork: $- 3588.75 + 885.725 \Rightarrow 4474.475$

(2) GSB

Metal: $- 1122.66 \text{ M}^3$

Sand: $- 481.14 \text{ M}^3$

(3) WBM-3

Metal: $- 408.40 \text{ M}^3$

Screening: $- 98.56 \text{ M}^3$

(4) PCC (M15)

Metal: $- 14.81 \text{ M}^3$

Sand: $- 9.32 \text{ M}^3$

(5) PCC (M20)

Metal: $- 85.61 \text{ M}^3$

Sand: $- 42.80 \text{ M}^3$

Continuation