

Government of Maharashtra
(Water Resources Department)

Soil Mechanics Referral Laboratory, MERI, Nashik-4

Sanctioned by-S.E. MERI, Nashik-4, as per office

Note SMRL-(3/2018) Dt. 18/6/2018



सत्यमेव जयते

**RATE ANALYSIS FOR
YEAR 2018- 2019**

Scientific Research Officer
Soil Mechanics Referral Laboratory
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Rate List of Soil Tests For the Year 2018-2019

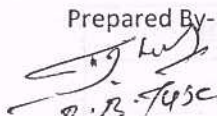
Sr. No	Name of Test	Rate/Test/Sample of Soil for the Year 1.07.2018 to 30.06.19	
		Govt. of Maharashtra	Other state Govt./Semi Govt./ Private Bodies
1	Liquid Limit and Plastic Limit	2908	5816
2	Shrinkage Limit	2905	5810
3	Mechanical Analysis (Sieve)	2287	4574
4	Mechanical Analysis (Sedimentation)	4203	8406
5	Specific Gravity	2556	5112
6	Hygroscopic Moisture Content.	660	1320
7	Field Moisture Content.	696	1392
8	Centrifuge Moisture Content.	1566	3132
9	Compaction	3453	6906
10	Permeability (Constant head)	3033	6066
11	Permeability (Variable head)	2854	5708
12	Consolidation	13943	27886
13	Direct Shear (6 cm x 6 cm x 2.5 cm)		
	a) Unconsolidated Undrained	4947	9894
	b) Consolidated Undrained.	6215	12430
	c) Consolidated Drained (Slow test)	25865	51730
	d) Consolidated Drained additional each cycle	9682	19364
14	Direct Shear (30 cm x 30 cm x 15 cm)		
	a) Consolidated Undrained (Quick test)	13518	27036
	b) Unconsolidated Undrained.	13483	26966
15	Triaxial Shear		
	a) Consolidated Drained	34371	68742
	b) Consolidated Undrained(with pore pressure measurement)	33078	66156
	c) Consolidated Undrained(without pore pressure measurement)	32820	65640
	d) Unconsolidated Undrained	11579	23158
16	Unconfined Compression	4901	9802
17	Vane Shear.	4431	8862
18	Chemical Analysis- (LOI, SiO ₂ , K ₂ O ₃ (Fe ₂ O ₃ +Al ₂ O ₃), Fe ₂ O ₃ , CaO, MgO, IR)	27506	55012

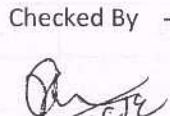
19	Silica-Sesquioxide Ratios.	23503	47006
20	Calcium content in Lime (By Cali meter)	3481	6962
21	Organic content (H ₂ O ₂ Method)	2775	5550
22	Organic content (Dichromatic method)	7452	14904
23	Loss in Weight due to HCL treatment.	3406	6812
24	Maximum & Minimum density (Relative Density)	3559	7118
25	Half's method (Estimation of pore pressure)	19142	38284
26	Swelling Pressure.	5532	11064
27	Natural Moisture Content and Natural Dry Density.	1498	2996
28	Angle of Repose of Sand.	2094	4188
29	Swelling Pressure.(with SBV 12 apparatus)	5371	10742
30	Free Swell index	1501	3002
31	Sand Filter Test. -	32953	65906
32	Field Classification	528	1056
33	Field Density		
	a) Sand replacement method or core cutter method	2094	4188
	b) Water displacement method	3684	7368
34	Standard Penetration		
	a) 0 to 3 meter depth	5099	10198
	b) 3 to 6 meter depth	6298	12596
	c) 6 to 10 meter depth and up to 15 meter depth	12306	24612
35	Vane Shear (Field)		
	a) 0 to 3 meter depth	5824	11648
	b) 3 to 6 meter depth.and up to 15 meter depth.	11259	22518
36	Vane Shear by Vane Boring machine		
	a) 0 to 3 meter depth	1614	3228
	b) 3 to 15 meter depth	1635	3270
	c) 15 to 30 meter depth.	1723	3446
37	Plate Bearing test.	32593	65186
38	Field Permeability by Clay plugs method.	9619	19238
39	Field Permeability test by Trapezoidal pit method	7431	14862


40	Miniature Cone Penetration test		
	a) 0 to 3 meter depth.	2443	4886
	b) 3 to 6 meter depth.	4848	9696
	c) 6 to 9 meter depth.	7282	14564
41	Undisturbed Sampling by Chunk method		
		2787	5574
42	Undisturbed sampling 3.8 cm dia,		
	a) 0 to 3 meter depth	1178	2356
	b) 3 to 6 meter depth	1597	3194
	c) 6 to 9 meter depth	3356	6712
43	Undisturbed sampling 5.08 cm dia,		
	a) 0 to 3 meter depth	1778	3556
	b) 3 to 6 meter depth	3338	6676
	c) 6 to 9 meter depth	6469	12938
44	Undisturbed sampling for 7.62 cm dia or 10.16 cm dia		
	a) 0 to 3 meter depth	2639	5278
	b) 3 to 6 meter depth and up to 15 meter depth.	4221	8442
45	Soil exploration by post hole auger		
	a) 0 to 3 meter depth	5509	11018
	b) 3 to 6 meter depth	9961	19922
46	Soil exploration by mud bailing		
	a) 0 to 3 meter depth	5337	10674
	b) 3 to 6 meter depth	9644	19288
	c) 6 to 9 meter depth.	19345	38690
47	Undisturbed sampling in sand by piston sand sampler for 4.76 cm dia.		
	a) 0 to 3 meter depth	12520	25040
	b) 3 to 6 meter depth	15647	31294
	c) 6 to 9 meter depth.	20333	40666
48	Undisturbed sampling in sand by piston sand sampler for 7.30 cm dia.		
	a) 0 to 3 meter depth	14081	28162
	b) 3 to 6 meter depth	18767	37533
	c) 6 to 9 meter depth.	23456	46912

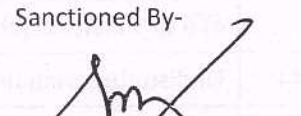
Note:-

1. Additional transport charges for all the tests whenever incurred shall be paid by the party requiring tests to be carried out.
2. Regarding Field tests all the charges are excluding those for mazdoors required on field and field assistance.
3. As per Govt. Lr. No EIR-1083/300(332) PT Dated 23/8/1984, rates for Private bodies, Semi- Govt. and Other state Govt. is charged double.
4. GST (from 1.7.2017) will be levied as per Govt. rules on the total bill for Private bodies, Semi Govt. and other State Govt. etc.
5. Charges for auguring/ boring to have added whenever incurred.
6. The testing charges are to be paid promptly at the time of sample deposition against issue of the invoice. Failing of which, the storage charges for the soil samples at the rate of 1 % p.m. on the invoice amount will be applicable for the delayed period.

Prepared By-

 B.B. J.E. 2018
 J. E.

Checked By -

 9/6/18
 ARO/SO

Recommended By -

 20.6.18
 Sci. Res. Officer

Sanctioned By-

 Superintending Engineer

Rate List of Soil Tests for the Year 2018-19 is approved by Superintending Engineer, MERI, Nashik's-4
 Office Note No. SMRL-3/2018, Dated 27/06/2018, NO 1296/2018 dt. 27/6/18

Update on 15-6-18

FTM1	FTM2	FTM3
FTM4	FTM5	FTM6
FTM7	FTM8	FTM9
FTM10	FTM11	FTM12
FTM13	FTM14	FTM15
FTM16	FTM17	FTM18
FTM19	FTM20	FTM21
FTM22	FTM23	FTM24
FTM25	FTM26	FTM27
FTM28	FTM29	FTM30