

TESTING CHARGES FOR 2020 - 2021.
MATERIAL TESTING, REFERRAL LABORATORY, M. E. R. I., NASHIK - 422004
Schedule of Testing charges for 2020-2021 (01-04-2020 to 31-03-2021)

Sr No	Name of Test	UNIT	Rates for 2020-2021 in Rs.	
			For GOVT.	For PVT.
			Work	Work
1 CEMENT (QTY. REQUIRED 15 KG)				
1 Fineness (By Blains Apparatus)	1 Sample	1888	3776	
2 Specific Gravity	1 Sample	1450	2900	
3 Consistency	1 Sample	1215	2430	
4 Setting time	1 Sample	1738	3476	
5 Compressive Strength	1 Sample	2824	5648	
6 Soundness (Le-Chatlier Method)	1 Sample	2931	5862	
7 Soundness (Auto-Clave Method)	1 Sample	3659	7318	
2 COARSE AGGREGATE (QTY. REQUIRED 50 KG)				
1 Sieve Analysis	1 Sample	1036	2072	
2 Unit Weight	1 Sample	699	1398	
3 Water Absorption and Specific Gravity	1 Sample	2393	4786	
4 Soundness (5 Cycles)	1 Sample	6674	13348	
5 Impact Value	1 Sample	1867	3734	
6 Abrasion	1 Sample	3621	7242	
7 Crushing Strength Value	1 Sample	2803	5606	
8 Flakiness/Elongation/Angularity Index	1 Sample	1033	2066	
9 Moisture content	1 Sample	1336	2672	
3 FINE AGGREGATE (QTY. REQUIRED 50 KG)				
1 Sieve analysis	1 Sample	1036	2072	
2 Unit Weight	1 Sample	699	1398	
3 Water Absorption and Specific Gravity	1 Sample	2393	4786	
4 Soundness (5 Cycles)	1 Sample	6674	13348	
5 Organic Impurities	1 Sample	1406	2812	
6 Silt and Clay content (By Wet Sieving)	1 Sample	2673	5346	
7 Moisture content	1 Sample	1336	2672	
4 MORTAR				
1 Obsrvng flow and casting specimen	6 Cubes only	1411	2822	
2 Shrinkage Test	4 Bars	19995	39990	
3 Compressive/Spli tensile Strength	3 Cubes	1069	2138	
5 CONCRETE				
1 Observing slump and casting specimen	1 Mix	2309	4618	
2 Observing Air Content and Bleeding	1 Mix	1205	2410	
3 Compressive/Split tensile strength	3 cubes	1069	2138	
4 Flexural strengthTest	3 bars	1383	2766	
5 Permeability/Set	6 cylinder	14652	29304	
6 Shrinkage Test	4 bars	19995	39990	
7 Modulus of Elasticity	3 cylinders	2799	5598	
8 Drilling Cores and testing for Compression Strength.	3 cores	5324	10648	
9 Capping of cores upto 0.45m dia.	3 cores	1215	2430	
10 Concrete Mix Design by Accelerated Curing Method	1-12/1-24 nos	45745	91490	
11 Concrete Mix Design by Normal Curing Method	1 design	43738	87476	

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6	LARGE SIZE CORES(0.90m dia)			
1	Capping of Cores 90 cm dia(Per Surface)	1 Surface	1737	3474
2	Density and Compressive Strength	1 Sample	11927	23854
3	Split tensile strength	1 Sample	11927	23854
4	Modulus of Elasticity.0.9 m dia Core.	1 Sample	4337	8674
5	Permeability on 0.9 m dia Cores	1 Sample	12894	25788
7	FLY ASH / SURKHI (QTY. REQUIRED 15 KG)			
1	Fineness	1 Sample	1888	3776
2	Specific gravity	1 Sample	1450	2900
3	Lime reactivity	1 Sample	10927	21854
4	Cement reactivity	1 Sample	5940	11880
8	R.C.C.PIPES (With Labour)			
1	Three edge bearing Test for a) pipes 300mm dia. & bellow b) Pipes above 300mm dia	1 Sample 1 Sample	2308 2449	4616 4898
2	Water Absorption for all dia.	1 Sample	1854	3708
3	Permeability Test	1 Sample	1009	2018
8	R.C.C.PIPES(Without Labour)			
1	Three edge bearing Test for a) pipes 300mm dia. & below b) Pipes above 300mm dia	1 Sample 1 Sample	1587 1007	3174 2014
2	Water Absorption	1 Sample	1349	2698
3	Permeability Test	1 Sample	659	1318
9	A. C. PIPES			
1	Water Absorption	1 Sample	1854	3708
2	Bursting strength	1 Sample	1491	2982
10	A. C. SHEETS			
1	Water absorption	1 Sample	1854	3708
2	Load Bearing	1 Sample	1401	2802
11	METALS			
1	Rockwell Hardness Test	1 Sample	1414	2828
12	BRICKS			
1	Water Absorption	5 Nos.	1667	3334
2	Compressive Strength	5 Nos.	1605	3210
3	Efflorescence	5 Nos.	1778	3556
13	MANGLORE TILES			
1	Water Absorption	6 Nos.	1667	3334
2	Flexural Strength	6 Nos.	1365	2730
3	Permeability	6 Nos.	4402	8804

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14 FLOORING TILES				
1 Water Absorpton	6 Nos.	1667	3334	
2 Flexural Strength	6 Nos.	1365	2730	
3 Resistance to wear	6 Nos.	2646	5292	
15 TIMBER				
1 Specific gravity & Moisture Content	5 Nos.	2965	5930	
16 GLAZED TILES				
1 Water Absorption	3 No.	1667	3334	
2 Impact Strength Test	3 No.	1031	2062	
3 Crazing Test	6 No.	1867	3734	
17 LIME				
1 Fineness by Sieving	1 Sample	1669	3338	
2 Workability	1 Sample	2390	4780	
3 Setting Time	1 Sample	1555	3110	
4 Soundness by Le-Chatilier	1 Sample	1711	3422	
5 Compressive/Transverse Strength	12 samples for 14 & 28 days	3684	7368	
6 Residue on Slaking	1 Sample	3027	6054	
7 Popping and Pitting	1 Sample	3207	6414	
8 Volume Yiled	1 Sample	2085	4170	
18 HOLLOW BLOCKS				
1 Water Absorption	3 No.	2388	4776	
2 Density	3 No.	1030	2060	
3 Compressive Strength	8 No.	3471	6942	
19 CALIBRATION				
1 Sieves (Fine series)	1 Set (8 Nos)	28758	57516	
2 Sieves (Coarser series< 200mm dia.)	1 Set (8Nos)	15199	30398	
3 Sieves (Coarser series> 200mm dia.)	1 No.	1617	3234	
4 Checking macro sieves	1 No.	4819	9638	
5 Calibration Proving Ring upto 1000kg	1 No.	6602	13204	
6 Calibration Pressure Gauge	1 No.	2499	4998	
7 Calibration Dial Gauge	1 No.	2318	4636	
8 Compression Testing Machine	1 Gauge	10526	21052	
9 Blain's Air Permeability Apparatus	1 No.	6627	13254	
10 Liquid Limit Apparatus	1 No.(Set)	1522	3044	
11 Grooving tools of L. L. Apparatus	1 Set	890	1780	
12 Compaction mould & Rammer	1 No.	2099	4198	
13 Weights	1 Set	2061	4122	
20 SEEPAGE WATER (5 liter water sample)				
1 pH value	1 Sample	469	938	
2 Alkalanity	1 Sample	707	1414	
3 Conductivity	1 Sample	1035	2070	
4 Total and Dissolved solids	1 Sample	4971	9942	
5 Calcium estimation	1 Sample	1132	2264	

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21	CEMENT (1 kg)			
1	Chemical composition	1 Sample	18197	36394
22	LEACHED MATERIAL (1 kg)			
1	Chemical composition	1 Sample	18197	36394
23	FLYASH (1 kg)			
1	Chemical composition	1 Sample	18197	36394
24	GRAVEL (5 kg sample)			
1	Specific gravity	1 Sample	848	1696
2	Acid solubility	1 Sample	1055	2110
3	Alkali-Aggregate test	1 Sample	13133	26266
25	SAND (5 kg sample)			
1	Organic Impurities	1 Sample	1399	2798
2	Effective size & uniformity	1 Sample	2056	4112
3	Acid solubility	1 Sample	1055	2110
4	Loss on Ignition	1 Sample	541	1082
5	Specific gravity	1 Sample	1032	2064
6	Silica content	1 Sample	2262	4524
7	Silt content	1 Sample	848	1696
26	SOIL (2 kg sample)			
1	pH value	1 Sample	684	1368
2	Soluble Sulphate compound	1 Sample	3509	7018
3	Soluble Iron compound	1 Sample	762	1524
27	T.C.L. POWDER (1 kg sample)			
1	% Chlorine determination & Dose fixation	1 Sample	1371	2742
28	ALUM (1 kg sample)			
1	Soluble Alluminium compounds	1 Sample	3277	6554
2	Soulble Iron compounds	1 Sample	762	1524
3	Insoluble compounds	1 Sample	2090	4180
4	pH value	1 Sample	684	1368

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29	Paver Block			
1	Compressive Strength	1 Sample	1605	3210
2	Water Absorption	1 Sample	1667	3334
30	FRP Needle			
1	Uniformly Distributed Load	1 Sample	13320
2	Central Point Load	1 Sample	3439

NOTE

- 1) The rates applicable to Departments other than the Govt. Department shall be double to those applicable to Govt. Department
- 2) The rate are countersigned by the Superintending Engineer, M.E.R.I. Nashik 422004
- 3) The rates are sanctioned by office order No . 38/2020, dt: 17/03/2020 for the year 2020-2021.
- 4) Service tax charges shall be levied extra for private bodies as per Government Rule.

ORIGINAL
COUNTERSIGNED

SUPERINTENDING ENGINEER
M.E.R.I, NASHIK-4.

SANCTIONED.

SCIENTIFIC RESEARCH OFFICER
MATERIAL TESTING, R.L.
M.E.R.I., NASHIK-4.