

**BRIHANMUMBAI MUNICIPAL CORPORATION**

**CIRCULAR**

No. Ch.E. (Vig.)/18013 /B date 28/3/2025


**Sub:-** Revision of testing fees /charges at Municipal Material Testing Laboratory from 01.04.2025.


**Ref:-** 1.MCP/583/dtd. 15.03.2023

2. Jt. MC/Vig/6007 dtd. 28/3/2025


As per direction by Hon'ble M.C. u/n. MCP / 583 / dtd. 15.03.2023 and as per approval by Jt.M.C. u/n.Jt.M.C./ Vig./ 6007 dt.28/3/25 schedule of fees for testing materials at Municipal Material Testing Laboratory, Asphalt Plant Compound, S.K.Ahire Marg, (Behind old passport office) Worli, Mumbai-400 030, have been revised with effect from 01.04.2025. A copy of the revised rates for different tests is enclosed herewith for ready reference.

All the concerned Officers/Site Staff are requested to take a note of this and follow the procedure given in the notes accompanying with this circular. While incorporating any conditions in the new tenders the words" rates of testing fees as per schedule in force will be applicable" should be added.

  
Asst. Eng. (Soil Mech.)

  
Dy. Chief Engineer (Vigilance) City/E.S.

  
Ex. Eng. (Vigilance) City

  
Chief Engineer (Vigilance)

**Submitted to:-**

A.M.C.(City),A.M.C.(W.S.),A.M.C.(E.S.),A.M.C.(P),

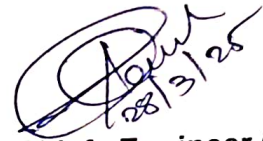
Jt.M.C. (Vigilance), Dir.(ES&P),D.M.C.(Infra), D.M.C. (S.E.), D.M.C. (Eng.), D.M.C.(Env)  
D.M.C.Z-I,D.M.C.Z-II,D.M.C.Z-III,D.M.C.Z-IV,D.M.C.Z-V.,D.M.C.Z-VI,D.M.C. Z-  
VII,D.M.C.(SE), D.M.C.(E),D.M.C.(Education),D.M.C.(CPD),D.M.C.(Gardens)

**Copy to:-** City Engineer, Hydraulic Engineer, Ch.E.(Roads& Traffic), Ch.E.(S.W.D.), Ch.E.(C.S.),Ch.E.D.P., Ch.E.(W.S.P.),Ch.E.(S.P.),Ch.E.(S.O.), Ch. E. (B.M.), Ch.E.(M&E),Ch.E.(M.S.D.P.),Ch.E.(S.W.M.), Ch.E.(C.T.I.&R.C.), C.A.(Finance), C.A.(Treasury) , C.A.(Stores) , Law Officer, Dy.Ch.E.(Roads)City /W.S./E.S., Dy.Ch.E.(Bridges),Dy.H.E.City/W.S./E.S., Dy.Ch.E. (S.W.D.)City/E.S./W.S., Dy.Ch.E.(Civil)Environmental, Dy.Ch.(SIC), Dy.Ch.E.(B.M.)City/W.S./E.S., Dy.H.E.(Ops), Dy.H.E.(PPC), Dy.H.E.(Const), Dy.C.E.(P.I.Cell), Dy.Ch.E(HIC) , Dy.C.E. (BC)City / E.S./ W.S., Dy.H.E.(Maint), Dy.Ch.E.(Traffic), Asst.Comm.( )Wards., Asst.Comm.(Market.), Asst.Comm.(Estate),

E.E.(B.C. ) City,E.E. (B.C.) W.S., E.E. (B.C.) E.S., E.E.(M & R),E.E. (Garden Cell)A.O.FAS,A.O.FSA, A.O.FRD-II (City), A.O. (Stores), A.O.(Transport), A.E.(Maint) Civil KEM Hospital, A.E.(Maint.) Civil Nair Hospital A.E.(Maint) Civil Sion Hospital,

C/s Association.

For Information Please



**Chief Engineer (Vigilance)**

**PROPOSED RATES OF TESTING FEES AND QUANTITY OF SAMPLES FOR TESTS (YEAR 2025-26)**

Sr. No.	Description of test	Reference/Standard	Rates in Rs. Per test	Quantity of samples required
<b>A</b>	<b>AGGREGATE (COARSE &amp; FINE)</b>			
1	Sieve Analysis (dry)/Fineness Modulus	IS 2386 : Part I – 1963 (Reaffirmed 2021), IS 383 – 1970 (Reaffirmed 2016), MoRTH – 2013	1300.00	20 kg.
2	Silt Content		1700.00	2 kg.
3	Specific Gravity	IS 2386 : Part III – 1963 (Reaffirmed 2021)	1200.00	1 kg.
4	Impact Test		1600.00	10 kg.
5	Crushing Value/ 10% Fine Value	IS 2386 : Part IV –1963 (Reaffirmed 2021), MoRTH – 2013	2000.00	10 kg.
6	Los Angeles abrasion Value		2700.00	10 kg.
7	Water absorption	IS 2386 : Part III –1963 (Reaffirmed 2021), MoRTH – 2013	1200.00	1 kg.
8	Flakiness Index		1400.00	10 kg.
9	Elongation Index	IS 2386 : Part I –1963 (Reaffirmed 2021), MoRTH –2013	1400.00	10 kg.
10	Combined Flakiness & Elongation Index		2400.00	20 kg.
<b>B</b>	<b>ASPHALTS</b>			
11	a) Asphalt Macadam / Bituminous Macadam, Asphalt Mixes(Extraction & gradation)	IRC 27 – 2009, MoRTH – 2013	2500.00	7 kg. See Note-2& 3
	b) Seal Coat (Extraction & Gradation)	Specification MoRTH –2013	2700.00	3 kg. See Note-2& 3
12	Binder Course (Extraction, Gradation, Density, Voids)	Specification MoRTH –2013	3800.00	7 kg. See Note-2& 3
13	Asphalt Concrete /Bituminous Concrete/Dense Bituminous Macadam,Semi Dense Bituminous Concrete/Polymer Modified Binder(PMB)/Crumb RubberModified Binder(CRMB)(Extraction, Gradation,Density, Voids,Flow value,Marshall Stability)	IRC 29-1988, MoRTH – 2013, IRC-SP-53-2010	5500.00	7 kg. See Note-2& 3

14	Mastic asphalt (Extraction, Gradation, hardness no)	IS 5317-2002 (Reaffirmed 2017) IS 1195-2002 (Reaffirmed 2017)	3400.00	2 specimen each of 10 cm dia or 10 cm square (2.5cm thk .)
15	Field density of Asphalt mixes /Soils	IS 2720 : Part 28, 1974(Reaffirmed 2020)	3400 for first test and Rs.1800.00 for each addl. test.	See Note 13 & 23
16	Specific gravity of bitumen	IS 1201 to IS 1220:1978 (Reaffirmed 2019)	1600.00	2kg. See Note-9,10,11
17	Penetration test of bitumen		1600.00	2kg. See Note-9,10,11
18	Softening point of bitumen		1900.00	2kg. See Note-9,10,11
19	Presence of antistripping agent	CRRI Specifications	1500.00	1 kg bitumen from Plant (sealed)
20	Effectiveness of antistripping agent		2400.00	1 kg. in wide mouth bottle.
21	Ductility test of bitumen	IS 1201 to IS 1220:1978 (Reaffirmed 2019)	2100.00	1 kg. in wide mouth bottle.
22	Flash Point & Fire point		1500.00	1 kg. in wide mouth bottle.
23	Loss on heating, Thin Film Oven Test		2300.00	1 kg. in wide mouth bottle.
24	Viscosity Test		2500.00	2 kg. See Note-9
<b>C</b>	<b>SOILS</b>			
25	Specific gravity	IS 2720 : Part 3-1980 (Reaffirmed 2021)	1400.00	1 kg.
26	Bulk density		900.00	2 kg.
27	Natural moisture content	IS 2720 : Part 2-1973 (Reaffirmed 2020)	700.00	2 kg. See Note-10
28	Liquid limit	IS 2720 : Part V-1985 (Reaffirmed 2020)	1200.00	10 kg.
29	Plastic limit		1200.00	10 kg.
30	Void ratio (density & specific gravity)		1100.00	

31	Standard Proctor Test	IS 2720 : Part 7-1980 (Reaffirmed 2021)	3300.00	20 kg.
32	Modified Proctor Test	IS 2720 : Part 8-1980 (Reaffirmed 2020)	3600.00	20 kg.
33	Laboratory C.B.R. Test	IS 2720 : Part 16-1987 (Reaffirmed 2021)	4000.00	25 kg.
34	Dry Sieve Analysis	IS 2720 :Part 4-1985 (Reaffirmed 2020)	1100.00	25 kg.
35	Field C.B.R. Test	IS 2720 : Part 31- 1990(Reaffirmed 2020)	Rs. 3600.00for first test and Rs.1900.00 for each addl. test.	
36	Safe Bearing Capacity of Soil	IS 6403-1981 (Reaffirmed 2021)	Rs. 3600.00 for first test and Rs.1900.00 for each addl. test	
<b>D</b>	<b>BUILDING MATERIALS</b>			
	<b>CEMENT</b>			
37	Cement (Initial & Final Setting time, Compressive Strength)	IS 269 – 2015 (Reaffirmed 2020) IS 12330 – 1988 (Reaffirmed 2019) IS 455 – 2015 (Reaffirmed 2020) IS 1489 – 2015 (Reaffirmed 2020) IS 4031 – 1988 (Reaffirmed 2019) IS 4031 - 1988 (Reaffirmed 2019)	4100.00	7 kg. See Note-7.
38	Lime		800.00	3 kg
	<b>BRICKS</b>			
39	a) Bricks(Set of Ten) (Compression Test, Absorption Test)	IS 12894-2002 (Reaffirmed 2017) IS 1077-1992 (Reaffirmed 2016) IS 13757-1993 (Reaffirmed 2016) IS 3495 (Part-1) 2019 IS 3495 (Part-2) 2019	3000.00	10 Nos. :

	<b>STEEL</b>			
40	Steel bars (6mm dia to 20mm dia)(Area on weight basis, Yield Stress/0.02% Proof Stress , Ultimate Tensile Strength, % Elongation)	IS 432-1982 (Reaffirmed 2020) IS 1786-2008 (Reaffirmed 2018)	<b>3200.00</b>	60 cm. see Note 1 (c), 8.
41	Steel bars (Above 20mm dia)(Area on weight basis, Yield Stress/0.02% Proof Stress , Ultimate Tensile Strength, % Elongation)	IS 432-1982 (Reaffirmed 2020) IS 1786-2008 (Reaffirmed 2018)	<b>4000.00</b>	60 cm. see Note 1 (c), 8.
	<b>CONCRETE</b>			
42	Concrete Cube (Compressive Strength)	IS 456-2000 (Reaffirmed 2021), IS 516-1959 (Reaffirmed 2018)	<b>1400.00</b>	3 Nos. see Note 1 (c), (e), (h) & 18
43	Concrete Beam (Flexure Test) (10x10x50cm)		<b>1800.00</b>	3 Nos. see Note 1 (c), (e), (h) & 18
44	Concrete Beam (Flexure Test) (15x15x70cm)		<b>1800.00</b>	3 Nos. see Note 1 (c), (e), (h) & 18
	<b>TILES</b>			
45	Tiles (Absorption test)	IS 1237-2012 (Reaffirmed 2017), IS 13801-2013 (Reaffirmed 2018), IS 13630(Part-2)-2019, IS 15622-2017 IS 13630 (Part-6)-2019	<b>1700.00</b>	6 Nos. for each test
46	Tiles (Wet Transverse Strength Test)		<b>1700.00</b>	6 Nos. for each test
47	Tiles (Abrasion Test)	IS 13630(Part-12)-2019	<b>3600.00</b>	See Note 15
48	Wood ( Moisture content)	IS 287-1993 (Reaffirmed 2017) IS 11215-1991 (Reaffirmed 2020)	<b>1600.00</b>	See Note 14
	<b>CORES</b>			
49	C.C.Road Core (Compression Test)	IS 456-2000 (Reaffirmed 2021), IS 516-1959 (Reaffirmed 2018)	<b>6400.00 per core</b>	See Note 1 (e), (h) & 18
	<b>R.C.C. COVERS</b>			
50	R.C.C. Cover & Dhapa testing	IS 12592 : 2002 (Reaffirmed 2018)	<b>1600.00</b>	

	<b>STEEL</b>			
40	Steel bars (6mm dia to 20mm dia)(Area on weight basis, Yield Stress/0.02% Proof Stress , Ultimate Tensile Strength, % Elongation)	IS 432-1982 (Reaffirmed 2020) IS 1786-2008 (Reaffirmed 2018)	<b>3200.00</b>	60 cm. see Note 1 (c), 8.
41	Steel bars (Above 20mm dia)(Area on weight basis, Yield Stress/0.02% Proof Stress , Ultimate Tensile Strength, % Elongation)	IS 432-1982 (Reaffirmed 2020) IS 1786-2008 (Reaffirmed 2018)	<b>4000.00</b>	60 cm. see Note 1 (c), 8.
	<b>CONCRETE</b>			
42	Concrete Cube (Compressive Strength)	IS 456-2000 (Reaffirmed 2021), IS 516-1959 (Reaffirmed 2018)	<b>1400.00</b>	3 Nos. see Note 1 (c), (e), (h) & 18
43	Concrete Beam (Flexure Test) (10x10x50cm)		<b>1800.00</b>	3 Nos. see Note 1 (c), (e), (h) & 18
44	Concrete Beam (Flexure Test) (15x15x70cm)		<b>1800.00</b>	3 Nos. see Note 1 (c), (e), (h) & 18
	<b>TILES</b>			
45	Tiles (Absorption test)	IS 1237-2012 (Reaffirmed 2017), IS 13801-2013 (Reaffirmed 2018), IS 13630(Part-2)-2019, IS 15622-2017 IS 13630 (Part-6)-2019	<b>1700.00</b>	6 Nos. for each test
46	Tiles (Wet Transverse Strength Test)		<b>1700.00</b>	6 Nos. for each test
47	Tiles (Abrasion Test)	IS 13630(Part-12)-2019	<b>3600.00</b>	See Note 15
48	Wood ( Moisture content)	IS 287-1993 (Reaffirmed 2017) IS 11215-1991 (Reaffirmed 2020)	<b>1600.00</b>	See Note 14
	<b>CORES</b>			
49	C.C.Road Core (Compression Test)	IS 456-2000 (Reaffirmed 2021), IS 516-1959 (Reaffirmed 2018)	<b>6400.00 per core</b>	See Note 1 (e), (h) & 18
	<b>R.C.C. COVERS</b>			
50	R.C.C. Cover & Dhapa testing	IS 12592 : 2002 (Reaffirmed 2018)	<b>1600.00</b>	

<b>R.C.C. PIPES</b>				
51	Pipe testing			
	a) Up to 600 mm dia.	IS 3597-1998 (Reaffirmed 2018), IS 458-2003 (Reaffirmed 2021),	6100.00 Per pipe	Minimum One pipe of Each dia. Per Lot.
	b) 600 to 900 mm dia		6900.00 Per pipe	
	c) 900 mm & above.		7800 .00 Per pipe	
<b>CONCRETE PAVING BLOCKS</b>				
52	Paver Blocks (As per Road Dept. requirement)			
	a) Water absorption test	IS-15658-2021	1700.00	3 Nos
	b) Compressive test		2900.00	8 Nos
	c) Tensile Splitting test		3100.00	8 Nos
	d) Abrasion Test (Dry Condition)		3100.00	(See note no.21)
53	<b>SWD/MANHOLE FRAME &amp; COVERS (FRP COVERS)</b>			
	a) Light / Medium Duty ( Failure Load Test)	IS 1726: 1991, (Reaffirmed 2017) BS EN-124 2015	2700.00	1 no per lot of 50 covers
	b) Heavy Duty ( Failure Load Test)		4100.00	
54	<b>C.I Frame &amp;. Covers</b>			
	a) Light / Medium Duty ( Failure Load Test)	IS 1726: 1991, (Reaffirmed 2017)	2700.00	1 no per lot of 50 covers
	b) Heavy Duty (Failure Load )		4100.00	
55	<b>WATER TABLE ( Failure Load Test)</b>	BS-7263: Part 1: 2001 BS EN-1339: 2003	2700.00	1 Sample for 1000 nos of product
56	<b>KERB STONE ( Failure Load Test)</b>		2700.00	
57	Welding Test (Tensile)	IS 3600 : 2019	2200.00	(See note no.22)
<b>OTHER CHARGES</b>				
58	Duplicate additional copy of test report not older than 5 years		81.00 Per Copy	



**Notes:**

- 1) All requests for testing of samples must be made in writing in duplicate, specifying therein the following information. (Separate memo should be sent for cement, concrete, steel, soil, asphalt etc.)
  - a) Please mention the name of ward in which the work site is located, Name of the work, code number if any.
  - b) Type of material and tests desired (i.e. grade of cement, date of consignment.)
  - c) Identification mark on the sample should be mentioned on the forwarding memo (In case of concrete beams and cubes identification mark, grade of concrete, date of casting, specimen number etc. should be engraved on concrete sample.) If these details are marked by paint, samples will not be accepted. In case reinforcement bars, details shall be displayed on label pasted on bar and label must be signed by the Officer who has taken samples.
  - d) Name and full postal address of the Officer to whom the result is to be sent.
  - e) Date of sampling (i.e. date of laying asphaltic mix, Sr. No. of load, Name of the supplier/asphalt plant from where asphalt mix is acquired, casting concrete or taking sample)
  - f) Name of Contractors carrying out the work.
  - g) Additional information as spelt out in Ch.E. (Roads) circular U/No. Ch.E./3231/Roads of 07/09/06, in case of Asphalt Mixes.
  - h) Request for testing sample memo should comply circular u/no. Ch.E. / Vig./1827/B of 08.11.2021 & frequency of testing of various materials/items should be as per the circular u/no. Ch.E. / Vig. / 2348/ B of 28.12.2021.
  - i) Any other information which is specified by the user department.
- 2) Samples must also bear the identification mark and signature of site-in-charge/Officer taking the sample. In case of samples of asphaltic mixes sent in polythene bags, a legible-duplicate tag should be stapled from outside.
- 3) Quantity of sample must be adequate as shown in schedule and the specification with which the samples is to be tested shall be clearly mentioned on forwarding memo by the site in charge.
- 4) In case of payment by Demand Draft & by Cash, the full testing fees shall be paid in advance between 10.30 AM and 3.00 PM (01:30 PM to 02:00 PM Lunch

Hours) on working days except Saturday, and between 10.30 A.M. and 12 noon on Saturday.

- 5) In case of Online Payment (Only on introduction of this facility for Material Testing Lab)
  - a) Full Payment as per the scheduled rates and penalty if applicable as per clause No. 12, 17 of this circular, shall be made before submission of sample to Material Testing Laboratory.
  - b) The Payment Receipt in original, shall be submitted along with the sample.
  - c) In-adequate quantity of sample will not be accepted irrespective of payment of full testing fees or in case of non-payment of penalties.
  - d) The amount paid will be forfeited in case of submission of inadequate quantity of samples or in case of part/non-payment testing fees/penalties.
- 6) For issuing additional copies or duplicate copies, Rs.81/- will be charged for each copy. Request for additional duplicate copy should be made in writing by site in charge or higher Officers of the user department.
- 7) Cement samples should be forwarded in sealed airtight container, one opening on top not less than 10cm. in diameter.
- 8) The steel samples for tensile testing of reinforcing bars, shall be straight for entire length without bends. The ends of bars shall be hack saw cut and not chisel cut. One sample of each dia. bar shall be sent for first test and for retest three bars shall be sent. The length of the bars shall be 60cm for all dia. of steel bars.
- 9) Samples of bitumen, cut back, emulsions shall be forwarded in wide mouthed metal containers with labels pasted on the lid. (At least 2 litre capacity metal container)
- 10) Samples sent for testing natural moisture content shall be forwarded in wax coated packing or sealed airtight polythene bags.
- 11) The quantity of bitumen, cut back, emulsion sample should be at least 2 litres.
- 12) The sample thus taken shall be sent to Municipal Testing Laboratory as per the condition mentioned in the relevant Tender. The samples thus taken shall be sent to the municipal testing laboratory within 4 days from the date of laying of Asphalt Mix on site. In case of any delay, additional testing charges as penalty would be recovered from the contractor at the following rates

A	From the 5 <sup>th</sup> day to 7 <sup>th</sup> day from date of laying of asphalt mix on site.	Rs 10,000/-
B	From the 8 <sup>th</sup> day to 14 <sup>th</sup> day from date of laying of asphalt mix on site.	Rs 20,000/-

The above charges i.e. (A) and (B) shall be paid by the contractors at the time of submitting the samples in Municipal Laboratory.

As per tender conditions, additional penalty towards delay in submission of sample, if any, over and above (A) and (B) mentioned above also for other materials, would be recovered from the Contractors bill by the respective user department and would be credited to the following budget head and Voucher No. and date shall be intimated to A.E. (Soil Mech.)

If the samples of the asphalt mixes are not sent for testing within 14 days, payment for the corresponding quantity with reference to these samples shall not be made. The Charges would be recovered from the respective bills payable to the contractors by the respective user department and credited to the following budget head-

Fund Code: - 11

Department Code: - 44

Cost Center Name: - Material Testing Lab

Cost Center Code: - 1000442501

Account Head Penalties & Fines

Account heads code: - 140200200

**13)** Field Density test shall be taken on Asphalt concrete Carpet for any thickness. The Contractor shall obtain the intimation letter from Engineer-in-charge & furnish the same to A.E.(Soil Mech.) within 7 days from the date of laying of Asphalt concrete, for carrying out the field density test. If the Contractor fails to intimate the same within 7 days period the additional charges as penalty would be recovered from the Contractor at Rs.200/-per test per week at the time of submission of intimation to A.E(Soil Mech.)'s office.

**14)** Sample of wood – As per I.S. 11215-1991, Clause No.4.2.3.

**15)** The test specimen shall be set of 6 pieces of size 70.6mm x 70.6mm, centrally cut from tiles and all corners shall be perfectly diagonal.

**16)** Sample shall be carefully brought & unloaded at Lab without any defects.

**17)** The samples taken for cubes and beams shall be sent to municipal testing lab at least two days before the actual date of testing. In case of delay additional testing charges as penalty shall be recovered from the Contractors at following rates.

- a) 100% additional testing charges per week shall be recovered other than concrete road works.

b) For concrete road work Rs.1000.00 per day will be recovered as per special conditions /directions to the tenders for cement concrete road works.

18) In case of Non satisfactory result of concrete cube 28 days Strength/Core Compressive Strength, re-assessment of strength should be as per circular u/no. CHE/Vig/1938/B dtd.23.11.2021.

19) R.C.C.Covers: No. of samples as per I.S. 12592: 2002

20) R.C.C. Pipes: No. of samples as per I.S.458-2021.

21) The test specimen shall be of size  $71 \pm 0.5$ mm in square centrally cut in paver block and all corners shall be perfectly diagonal.

22) The finished sample for testing of welding shall be submitted by contractor at his own cost as per IS 3600.

23) Contractors have to make the to & fro arrangement for the transportation of equipment & staff for conducting following test

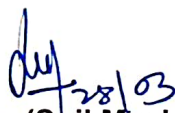
a) Field C.B.R. b) Field Density for A.C. c) Safe Bearing Capacity

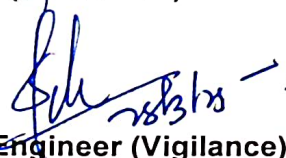
24) For testing of R.C.C. pipes of dia. above 600 mm contractors has to make arrangement of hydra or necessary arrangements for handling the pipe & placing it in position under loading frame for testing. After testing of RCC pipes, the contractor has to take back the tested RCC pipes from the Municipal testing laboratory at their own cost.

25) The concerned staff from the department/representative of the contractor may attend testing of material as witness on scheduled date of testing with prior intimation to the concerned MTL staff. No objection about the testing procedure/test result shall be entertained for the tests which are not witnessed by the concerned staff from the user department.

26) The authentic copy of test result will be sent on the registered email-ID of to all concern as mentioned in application/memo. No hard copy of result will be sent to concern department/ vendor which please be noted.

27) For submitting application/memo for testing of material through MTL web portal, the application may refer to the guidelines published on MCGM Portal.

  
Asst. Eng. (Soil Mech.)

  
Dy. Chief Engineer (Vigilance) City/E.S.

  
Ex. Eng. (Vigilance) City

  
Chief Engineer (Vigilance)