

CIRCULAR

Sub: Revision in rates of testing charges (w.e.f. 01.07.2021) at CIDCO Material Testing Laboratory at Sanpada Railway Station, Navi Mumbai.

The schedule of Testing Charges, effective from 1st July 2021, for various materials to be tested at CIDCO Material Testing Laboratory at Sanpada Railway Station is enclosed herewith.

All SE's / EE's are requested to take a note of the revised rates and inform the same to the contractor's with directions to follow the procedure given in the notes accompanying with this circular.

P. R. O. is requested to upload this circular on Corporation's website.

Encl: As mentioned above.

SE (QC)

S. G. Rokade / 22783)

To,

All SE's – SE ()

All EE's – EE ()

Cc to: CE (NM) / CE (NMIA) / CE (SP) / ACE (I & Metro) / ACE (II) / ACE (III)

Cc to: CAO / Sr.A.O. (P) / Finance – For Information please.

Cc to: Manager (System) – Request to upload this circular on intranet & implementation in SAP.

Cc to: PRO – Request to upload this circular on Corporation's website.

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CIDCO/SE(HQ)	E-TAP No: 41802	Date (In): 14/07/2021	Date (Out):
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CIDCO/CE(NM)	E-TAP No: 41802	Date (In): 13/07/2021	Date (Out): 14/07/2021
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CIDCO / EE(NM)	E-TAP No: 41802	Date (In): 15/07/2021	Date (Out):
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AEE (DK)

CIDCO MATERIAL TESTING LABORATORY, SANPADA

MATERIAL TESTING CHARGES W.E.F 01.07.2021

Sr. No.	Materials / Name of Test	Rates in Rs.		Mini. Quantity of Sample required
		For CIDCO works	For Other than CIDCO works	
1)	Soil / Murum Testing			
a)	M.D.D./O.M.C.	1,850.00	2,775.00	50 kgs
b)	Liquid Limit, Plasticity Index etc	1,175.00	1,775.00	
c)	Field density (Sand Replacement Method)	1,125.00	1,700.00	Field Test
d)	Grain Size Analysis	700.00	1,050.00	25 kgs
e)	Lab CBR test	6,825.00	10,250.00	30 kgs
2)	Cement / Flyash Testing			
	Standard Consistency, Fineness, Initial & Final Setting Time, Compressive Strength, Specific Gravity	3,750.00	5,625.00	10 kgs
3)	Coarse Aggregate / Metal Testing			
a)	Flakiness Index, Elongation Index & Combined Index	850.00	1,275.00	40 kgs
b)	Gradation	700.00	1,050.00	20 kgs
c)	Abrasion value	1,175.00	1,775.00	10 kgs
d)	Impact value	575.00	875.00	10 kgs
e)	Water Absorption	650.00	975.00	5 kg
f)	Specific Gravity	425.00	650.00	5 kg
g)	Bulk Density	300.00	450.00	50 kg
h)	Crushing Value	700.00	1,050.00	10 kgs
4)	Fine Aggregate / Sand Testing			
a)	Fineness Modulus / Sieve Analysis	1,375.00	2,075.00	10 kgs
b)	Silt Content	850.00	1,275.00	
c)	Moisture Content Test	750.00	1,125.00	

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30.06.2021

Sr. No.	Materials / Name of Test	Rates in Rs.		Mini. Quantity of Sample required
		For CIDCO works	For Other than CIDCO works	
5)	Concrete Testing			
a)	Compressive Strength Test (Cube)	700.00	1,050.00	3 Nos of cubes per sample
b)	Mix design including ingredient Test	13,600.00	20,400.00	50 kgs of each ingredient
c)	N.D.T. - U.S.P.V. Test (For 15 Points)	6,000.00	9,000.00	Field Test
d)	N.D.T. - U.S.P.V. Test (Additional Points)	400.00	600.00	Field Test
e)	Permeability Test	1,525.00	2,300.00	3 Nos of cylindrical cubes
f)	Taking of Core Samples	2,850.00	4,275.00	Field Test
6)	Steel Testing			
	Weight Variation, Ultimate Tensile Strength, % Elongation, Bend & Re-bend Test & 0.2% Proof Stress			3 Nos of bars (each 1.00m long) per sample per dia
a)	For bars upto 16mm dia	1,275.00	1,925.00	
b)	For bars above 16mm dia	1,575.00	2,375.00	
7)	Brick Testing			
	Water Absorption Test, Compressive Strength Test	2,175.00	3,275.00	15 Nos
8)	Concrete Block Testing			
	Water Absorption Test, Compressive Strength Test	1,950.00	2,925.00	15 Nos
9)	Paver Block Testing			
a)	Water Absorption Test, Compressive Strength Test	2,475.00	3,725.00	15 Nos
b)	Abrasion Test.	2,300.00	2,300.00	10 Nos
10)	G. I. Pipe Testing			
a)	Weight Variation	190.00	300.00	1m long pipe per sample
b)	Thickness Variation	250.00	375.00	
11)	Tile Testing			
a)	Flexural Strength Test	650.00	975.00	10 Nos

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13.06.2021

Sr. No.	Materials / Name of Test	Rates in Rs.		Mini. Quantity of Sample required
		For CIDCO works	For Other than CIDCO works	
b)	Water Absorption Test	800.00	1,200.00	10 Nos
c)	Resistance to Wear	1,050.00	1,575.00	10 Nos
12)	Water Testing			
a)	PH Value, Chloride & Sulphite Content	1,125.00	1,700.00	1 litres
13)	Plasticiser / Admixture Testing			
a)	PH Value, Relative Density	500.00	750.00	1 litres
14)	Test for Bitumen / Asphalt			
a)	Bitumen Extraction	3,000.00	4,500.00	10 kgs
b)	Sieve Analysis / Gradation	975.00	1,475.00	10 kgs
c)	Penetration / Grade of Bitumen	625.00	950.00	10 kgs
d)	Marshall Stability & Flow	1,125.00	1,700.00	10 kgs
e)	Ductility Test	900.00	1,350.00	10 kgs
f)	Stripping value of Road Aggregates	750.00	1,125.00	10 kgs
g)	Job Mix Design for GSB / WMM	16,100.00	24,150.00	50 kgs of each ingredient
h)	Job Mix Design for AC / DBM / BM	16,100.00	24,150.00	50 kgs of each ingredient

NOTES FOR MATERIAL TESTING CHARGES W. E. F. 01.07.2021

A. General:

1. All the rates mentioned above are excluding GST. GST shall be charged separately as applicable at the time of payment.
2. Sample without any defects shall be carefully brought & unloaded at Lab by the contractor.
3. The samples sent for testing shall bear identification marks in accordance with provisions prescribed in relevant Indian Standards. It is suggested to avoid mentioning the name of agency on samples.
4. Contractors have to make to & fro arrangement, free of cost, for the transportation of equipment & staff for conducting field tests.
5. Core Samples to be tested at CIDCO Laboratory shall be cut for smooth finish and any irregularity over the surface shall be removed, before submitting the sample to Laboratory.

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6. In-adequate quantity of sample will not be accepted irrespective of payment of full testing fees and the amount paid will be forfeited.

7. **Witnessing the Testing at Laboratory:**

The contractors are hereby informed to visit the laboratory for witnessing the testing only after obtaining prior appointment (while submitting the sample) from laboratory staff.

8. **Delay in submission of samples**

- a. Concrete cubes submitted to the laboratory for testing the compressive strength at 7 days, 14 days & 28 days, care should be taken to submit cubes well before 10th, 18th & 33rd day respectively, from Date of Casting or else concrete cubes for compressive strength shall not be accepted.
- b. For all other materials, samples for testing shall be submitted within 2 working days from date of making payment. In case of any delay beyond 2 working days, a penalty would be recovered at the rate of Rs. 500/- per day (maximum upto Rs. 5000/-) from the contractor's next Payment Certificate by the EIC.
- c. No sample shall be accepted by the laboratory beyond 14th day from date of making payment.

B. **Concrete Cube Samples**

1. The samples taken for cubes and beams shall be sent to lab at least a days before the actual date of testing.
2. The grade of concrete, date of casting, specimen number, C.A. No., name of division etc. or any other details should be engraved in legible manner on concrete cubes. If these details are marked by paint, samples will not be accepted.
3. It is suggested to avoid engraving the name of agency on concrete cubes.

C. **Cement samples**

1. Cement samples should be submitted in sealed airtight container / full bag (closed), one opening on top not less than 10cm. in diameter.

D. **Reinforcement Steel Samples**

1. The steel samples for tensile testing of reinforcing bars, shall be straight for entire length without bends and the brand of steel embossed over bars shall be clearly visible.
2. The ends of bars shall be hack saw cut and not chisel cut.
3. One sample of each dia. bar shall be sent for first test and for retest three bars shall be sent.
4. The length of the bars shall be 100cm. for all dia. of steel bars.
5. The reinforcing steel samples shall be free of any marking, paints, chamfer cuts etc.

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E. Fine & Coarse Aggregates & Murum:

1. The quantity of sample mentioned in above table shall be strictly adhered while submitting the materials to laboratory.
2. Fine / Coarse Aggregates or Murum samples sent for testing natural moisture content shall be forwarded in wax coated packing or sealed airtight polythene bags.

F. Field Test:

1. The site staff shall identify the points, well in advance, where the tests are to be performed and plan the testing activities in order to complete the task in optimum possible time.


30.06.2021

SE (QC)

(S. G. Rokade / 22783)

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