



## Plan of PT Schemes-2019

Sl. No.	Name of PT Item	Test Parameters (As per Indian Standards)	Last Date of Registration	PT Fee (Rs.)
1	<b>Metal (TMT 20 mm)</b> <b>Mechanical properties</b> CIL/PT/19/MECH/TMT-O1	<ul style="list-style-type: none"> <li>Tensile strength,</li> <li>Yield stress (Upper yield),</li> <li>Elongation at break</li> <li>Nominal mass</li> </ul>	Completed	----
2	<b>Water for Construction*</b> <b>purpose (IS:456 2000)</b> <b>Chemical Properties</b> CIL/PT/19/CHEM/WTR-O1	<ul style="list-style-type: none"> <li>Acidity</li> <li>Inorganic Material</li> <li>Suspended Particles</li> <li>Sulphate as (SO<sub>3</sub>)</li> </ul>	10.03.2019	8,000/-
3	<b>OPC 43 gr</b> <b>(Mechanical properties)</b> CIL/PT/19/MECH/CEM-O2	<ul style="list-style-type: none"> <li>Consistency</li> <li>Density</li> <li>Fineness by Blain's Method</li> <li>Setting Time (Initial)</li> <li>Setting Time (Final)</li> </ul>	15.03.2019	15000/-
4	<b>Admixture*</b> <b>(Water reducing)</b> <b>Chemical Properties</b> CIL/PT/19/CHEM/ADMIX-O1	<ul style="list-style-type: none"> <li>Dry Material content</li> <li>PH value</li> </ul>	15.03.2019	5,000/-
5	<b>Ferrous Metal</b> <b>Mechanical Properties</b> CIL/PT/19/MECH/METAL-O1	<ul style="list-style-type: none"> <li>Hardness (HRC)*</li> </ul>	15.03.2019	8,000/-
6	<b>Soil *</b> <b>(Chemical Properties)</b> CIL/PT/19/CHEM/SOIL-O1	<ul style="list-style-type: none"> <li>pH value</li> <li>Calcium Carbonate</li> </ul>	15.03.2019	5,000/-
7	<b>Portland Pozzolana Cement</b> <b>Mechanical properties</b> CIL/PT/19/MECH/CEM-O1	<ul style="list-style-type: none"> <li>Fineness by Blain's Method</li> <li>Soundness (Le-Chatelier)</li> <li>Soundness (Autoclave)</li> <li>Compressive Strength (7 days)</li> </ul>	20.03.2019	15,000/-
8	<b>Burnt Clay Bricks(CCP)*</b> <b>(IS:1077), (Prepared sample)</b> <b>Mechanical Properties</b> CIL/PT/19/MECH/CCP-O1	<ul style="list-style-type: none"> <li>Compressive strength,</li> <li>Water absorption,</li> </ul>	30.03.2019	12,000/-
9	<b>Solid Fuel (Coal)*</b> <b>Chemical Properties</b> CIL/PT/19/CHEM/COAL-O1	<ul style="list-style-type: none"> <li>Ash</li> <li>Moisture</li> <li>Free Carbon</li> </ul>	31.03.2019	8,000/-
10	<b>Coarse Aggregate</b> <b>Mechanical Properties</b> CIL/PT/19/MECH/C-AGG-O1	<ul style="list-style-type: none"> <li>Flakiness Index</li> <li>Elongation Index</li> <li>Soundness (by Na<sub>2</sub>SO<sub>4</sub>)</li> </ul>	31.03.2019	12000/-
11	<b>Portland Pozzolana Cement</b> <b>Chemical Properties</b> CIL/PT/19/CHEM/PPC-O1	<ul style="list-style-type: none"> <li>Loss On Ignition</li> <li>Insoluble Residue</li> <li>Magnesium Oxide</li> <li>Sulphuric Anhydride</li> </ul>	05.04.2019	12,000/-

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**Plan of PT Schemes-2019 (Contd.)**

Sl. No.	Name of PT Item	Test Parameters (As per Indian Standards)	Last Date of Registration	PT Fee (Rs.)
12	<b>Bitumen*</b> <b>Mechanical Properties</b> CIL/PT/19/MECH/BTMN-01	<ul style="list-style-type: none"> <li>Density</li> <li>Softening point</li> <li>Flash point</li> </ul>	30.03.2019	5,000/-
13	<b>Low Alloy Steel</b> <b>Chemical Properties</b> CIL/PT/19/CHEM/METAL-01	By Gravimetric Analysis <ul style="list-style-type: none"> <li>Carbon</li> <li>Manganese</li> <li>Sulphur</li> <li>Phosphorus</li> <li>Silicon</li> <li>Chromium</li> </ul>	20.04.2019	12,000/-
14	<b>Fly Ash*</b> <b>(Mechanical Properties)</b> CIL/PT/19/MECH/F-Ash-01	<ul style="list-style-type: none"> <li>Fineness</li> <li>Soundness by Autoclave</li> </ul>	20.04.2019	6,000/-
15	<b>Fine Aggregate</b> <b>Mechanical Properties</b> CIL/PT/19/MECH/F-Agg-01	<ul style="list-style-type: none"> <li>Sieve Analysis</li> <li>Specific Gravity</li> <li>Water Absorption</li> <li>Deleterious Materials</li> </ul>	20.05.2019	12,000/-
16	<b>Soil*</b> <b>(Mechanical Properties)</b> CIL/PT/19/MECH/SOIL-01	<ul style="list-style-type: none"> <li>Specific gravity</li> <li>Moisture content</li> </ul>	20.05.2019	8,000/-
17	<b>Coarse Aggregate</b> <b>Mechanical Properties</b> CIL/PT/19/MECH/C-AGG-03	<ul style="list-style-type: none"> <li>Sieve Analysis</li> <li>Abrasion Value</li> <li>10 % Fine Value</li> <li>Deleterious Materials</li> </ul>	20.05.2019	12,000/-
18	<b>Stainless Steel</b> <b>Chemical Properties</b> CIL/PT/19/CHEM/METAL-02	By Spectro Analysis* (ASTM E 415) (C, Mn, Si, S, P, Ni, Cr, Mo, Al, Cu, V, Ti, Co)	31.05.2018	10,000/-
19	<b>Metal (TMT 20 mm)</b> <b>Mechanical properties</b> CIL/PT/19/MECH/TMT-02	<ul style="list-style-type: none"> <li>Tensile strength,</li> <li>Yield stress (Upper yield),</li> <li>Elongation at break</li> <li>Nominal mass</li> </ul>	31.05.2019	12,000/-
20	<b>Ordinary Portland cement</b> <b>Chemical Properties</b> CIL/PT/19/CHEM/OPC-01	<ul style="list-style-type: none"> <li>Insoluble Residue</li> <li>Sulphur Anhydride</li> <li>Loss on Ignition</li> <li>Calcium Oxide</li> </ul>	20.06.2019	12,000/-
21	<b>Fly Ash*</b> <b>Chemical Properties</b> CIL/PT/19/MECH/F-Ash-01	<ul style="list-style-type: none"> <li>Alumina</li> <li>Silica</li> <li>Iron Oxide</li> </ul>	20.06.2019	8,000/-
22	<b>Coarse Aggregate</b> <b>Mechanical Properties</b> CIL/PT/19/MECH/C-AGG-02	<ul style="list-style-type: none"> <li>Bulk Density</li> <li>Specific Gravity</li> <li>Water Absorption</li> <li>Crushing Value</li> <li>Impact Value</li> </ul>	05.07.2019	12000/-

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## Plan of PT Schemes- 2019 (Contd.)

Sl. No.	Name of PT Item	Test Parameters (As per Indian Standards)	Last Date of Registration	PT Fee (Rs.)
23	<b>Stainless Steel Chemical Properties CIL/PT/19/CHEM/METAL-03</b>	By Gravimetric Analysis <ul style="list-style-type: none"><li>• Carbon</li><li>• Manganese</li><li>• Sulphur</li><li>• Phosphorus</li><li>• Silicon</li><li>• Nickel</li><li>• Chromium</li></ul>	05.07.2019	12,000/-
24	<b>Concrete Cube* Compressive strength (As per IS 516) CIL/PT/MECH/CONC.-01</b>	Compressive strength (28 days)	15.07.2019	22,000/-

\*Not in the scope of NABL Accreditation.

### Note:

1. Please send your consent for participation through e-mail ID: [pt@cimec.in](mailto:pt@cimec.in) or contact Mr. S N Sahay (9873322884), Mr. V S Rana (9871187612)

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