

भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA



Ref. No.: AAI/PAT/S.M.(E-C)/Lab-Emp./ 290 - 312

Date: 08.07.2020

Sub: Empanelment of Material Testing Laboratory with Airports Authority of India.

ISO 9001-2008
Certified Airport

1. M/s Quality Test Lab Pvt. Ltd., Patna is included in the approved list of material testing laboratories along with the testing facilities available/recommended


Name of Laboratory & Address	Quality Test Lab Pvt. Ltd. Krrish Palace, Krishna chowk, Near St. Karen's School, Gola Road, Danapur, Patna-801503
Phone/ Email/ Website	Contact no.-9934799990 Email: qtlpatna@gmail.com Website: www.qualitytestlab.co
Laboratory Recommended for following tests	<ol style="list-style-type: none">1. Cement (OPC/PPC)- Consistency, Compressive Strength, Fineness, Soundness, Initial Setting Time, Final Setting Time & Chemical Test.2. Admixture- pH, Dry Material Content, Ash Content, Relative Density, Chloride.3. Aluminium section- Anodic Coating, Weight/metre.4. Water for (construction & drinking purpose)- Organic Solid, Inorganic Solid, Suspended Matter, pH, Chloride, Sulphate, TDS, Total Hardness, Calcium and Magnesium.5. Coarse aggregate- Gradation, Impact Value, 10% Fines Value, Water Absorption Crushing Value, Flakiness Index, Elongation Index, Bulk Density, Specific Gravity, Soundness by $MgSO_4$, Soundness by Na_2SO_4.6. Fine aggregate- Gradation, Specific Gravity, Water Absorption, Bulk Density.7. Bricks (Burnt Clay/Fly ash)- Compressive Strength, Water Absorption, Efflorescence, Dimensions.8. Concrete- Compressive Strength (Cubes), Flexural Strength (PQC Beams), Mix Design.9. Precast concrete paver block- Compressive Strength, Water Absorption, Abrasion Resistance, Flexural Strength.10. Bituminous Mix- Marshal Flow, Binder Content, Stripping Value, Marshal Stability.11. Bitumen Mastic/Emulsion- Hardness Number, Residue on 600 microns, miscibility with water, viscosity, Test on Residue, Residue by Evaporation, Penetration, Ductility, Solubility.12. Paving Bitumen- Absolute Viscosity at 60°C, Ductility, Flash Point, Kinematic Viscosity at 135°C, Penetration, Softening Point, Specific Gravity.13. Ceramic tiles- Dimension, Water Absorption, Modulus of Rupture, Breaking Strength, Chemical Resistance, Cracking Resistance, Thickness, Resistance to Thermal Shock, Scratch Hardness.14. Soil- Liquid & Plastic Limits, Grain Size Analysis, Lab CBR, Field CBR, Field Dry Density, Free Swell Index,

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	<p>Heavy/Light Compaction Test, Moisture Content, Specific Gravity, Direct Shear Test, Triaxial Compression Test.</p> <p>15. HSD Bar/TMT Bar & Structure Steel Material- Weight/Metre, %Elongation, 0.2 Proof Strength, Ultimate Tensile Strength, Bend Test, Re-Bend Test, Yield Stress & Chemical Tests.</p> <p>16. HT Strand Wire- %Elongation, 0.2% Proof Load, Breaking Strength, Nominal Dia., Nominal Mass.</p> <p>17. Non-Destructive Test (NDT)- Rebound Hammer & Ultrasonic Pulse Velocity.</p>
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2. The material testing laboratory is approved base on inspection reports/recommendations of the field unit.
3. Presently, the NABL accreditation certificate of the laboratory is valid upto 15.01.2022 for testing. The field units must ensure before sending materials/samples for testing that the laboratory is equipped to carry out required test as per specifications and has valid NABL accreditation certificate on the day of submission of test samples/conducting final tests.
4. Apart from the approved laboratories, services of Govt. Engg. Colleges, IITs, CRRI, National Council for Cement & Building Materials, etc. may be availed, wherever available.
5. The empanelment shall remain valid upto 30.06.2022 or till the validity of NABL accreditation, whichever is earlier. However, in any case any problem is faced by any Region/Station, the same may be brought to the notice of Department of Structure for necessary action.
6. Updated list of empanelled material testing laboratories, region wise is placed on AAI website at link : www.aai.aero=> Public Information=>Public Notices.

This issues with the approval of competent authority.


 (L.B. Singh)
 Sr. Mgr. (Engg.-C)
 JPNI Airport, Patna

N.O.O:

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- 7-11. Regional Executive Director, AAI-NR/WR/ER/SR/NER
Delhi/Mumbai/Kolkata/Chennai/Guwahati.
- 12-13. Airport Director, AAI-Kolkata/Chennai.
14. Incharge, IT, AAI, JPNI Airport, Patna]- with request to upload on AAI website as mentioned in para-6 above.

Copy for favour of information please:

1. PS to member (pig.), AAI, R.G. Bhawan, New Delhi.