



# भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA



Ref. No.: AA/PAT/SM(E-C)/Lab-Emp./Distr. 1494-508

Date: 30.12.2020 ISO 9001-2008  
Certified Airport

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

1. M/s Delta Testing & Research Laboratories, Patna is included in the approved list of material testing laboratories along with the testing facilities available/recommended as detailed below: -

<b>Name of Laboratory &amp; Address</b>	M/s Delta Testing & Research Laboratories, Plot No.-91, Sudarshan Vihar Complex, Gola Road, Jalalpur City Road, Patna-801503
<b>Phone/ Email/ Website</b>	Contact no.- 8809601830, 9546344997, 703372000 Email: <a href="mailto:dtrlpatna@gmail.com">dtrlpatna@gmail.com</a> Website: <a href="http://www.deltatestinglab.com">www.deltatestinglab.com</a>
<b>Laboratory Recommended for following tests</b>	<ol style="list-style-type: none"><li>1. Cement (OPC/PPC)- Consistency, Compressive Strength, Fineness, Soundness, Initial Setting Time, Final Setting Time, Density &amp; Chemical Test.</li><li>2. Admixture- pH, Dry Material Content, Ash Content, Relative Density, Chloride content.</li><li>3. Anodic Coating- Anodic Coating,</li><li>4. Water (construction Purpose)- Acidity, Alkalinity, Organic matter, Inorganic matter, Total Suspended solid, pH, Chloride, Sulphate, TDS,</li><li>5. Water (Drinking Purpose)- Calcium, Chloride, Colour Hazan Units, Iron, Magnesium, Nitrate, pH, Odour, Potassium, Residual Free Chlorine, Alkalinity as CaCo<sub>3</sub>, Sulphate, Taste, Sodium, TDS, Total Hardness, Turbidity,</li><li>6. Coarse Aggregate- 10% Fine Value, Bulk Density, Crushing Value, Deleterious Material, Flakiness Index, Elongation Index, Impact Value, Los Angeles Abrasion value, Organic Impurities, Sieve Analysis, Water Absorption, , Specific Gravity, soundness,</li><li>7. Fine aggregate- Bulk Density, Deleterious Material, Organic Impurities, Sieve Analysis, Silt Content, soundness, Specific Gravity, Water Absorption.</li><li>8. Bricks (Burnt Clay/Fly ash)- Compressive Strength, Water Absorption, Efflorescence, Dimensions.</li><li>9. Paver block- Compressive Strength, Water Absorption, Thickness of wearing layer, Dimensions.</li><li>10. Bituminous Mix- Binder Content, Stripping Value, Marshal Stability, Density.</li><li>11. Bitumen/Emulsion - Ductility/Elastic Recovery, Residue on 600 microns, Softening Point, Sp. Gravity, Flash Point, Storage Stability, Penetration, Solubility.</li></ol>


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	<p>12. Ceramic tiles/Vitrified Tiles- Water Absorption, Modulus of Rupture, Scratch Hardness.</p> <p>13. Soil- Liquid &amp; Plastic Limits, Grain Size Analysis, Lab CBR, Proctor Density (Heavy/Light), Moisture Content, Direct Shear Test.</p> <p>14. TMT Bar/Structure Steel/GI Pipe - Bend Test, Test, Mass, Elongation, Tensile Strength, Yield Stress, Re-Bend.</p> <p>15. Ferrous Low Alloys Steel/Plain carbon Steel- Carbon, chromium, manganese, Nickel, phosphorous, silicon, sulphur.</p> <p>16. Wood- Density, Moisture Content, Sp. Gravity.</p> <p>17. Fly Ash- Fineness and residue 45 mic.</p> <p>18. Flush Door Shutter-Dimensions, End Immersion Test, Glue Adhesion Test, Knife Test.</p> <p>19. Bentonite- pH, Sand Content.</p> <p>20. Non-Destructive Test (NDT)- Rebound Hammer &amp; 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 06.09.2022 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 29.12.2022 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](http://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.

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