



संख्या: भा.वि.प्रा./म.प्र.(अभि.)/प.क्ष./2025/ 35

दिनांक : 27.03.2025

प्रति,

मेसर्स नैक इंजीनियरिंग सर्विसेज,
प्राइवेट लिमिटेड, दुकान नं.3,103,
105 और 115 बिल्डिंग बी1,
एमएमआरडीए कंपाउंड, एंटॉप हिल,
मुंबई, महाराष्ट्र, भारत।

To,

M/s Knack Engineering Services,
Private Limited, Shop No.3,103,
105 & 115 Building B1,
MMRDA Compound, Antop Hill,
Mumbai, Maharashtra, India.

विषय: नैक इंजीनियरिंग सर्विसेज प्राइवेट लिमिटेड के लिए एमपनेलमेंट अनुरोध।

Sub: Empanelment Request for Knack Engineering Services private limited.

Ref.: Nil Dated: 19.02.2025

महोदय,

उपरोक्त पत्र दिनांक 19.02.2025 के संदर्भ में है, जिसमें एनएबीएल प्रमाणन प्रमाणपत्र संख्या टीसी- 6828, जिसकी वेधता 29.01.2029, के आधार पर भारतीय विमानपत्तन प्राधिकरण के साथ एम्पैनेलमेंट अनुरोध किया गया है।(प्रतिलिपि संलग्न)

This is in context to your above referred letter dated 19.02.2025 requesting empanelment with Airports Authority of India on the basis of NABL Certificate of Accreditation No. TC-6828, with validity up to 29.01.2029 (Copy enclosed).

मेसर्स नैक इंजीनियरिंग सर्विसेज प्राइवेट लिमिटेड, दुकान नं.3,103 105 और 115 बिल्डिंग बी1, एमएमआरडीए कंपाउंड, एंटॉप हिल, मुंबई, महाराष्ट्र, भारत। को सामग्री परीक्षण प्रयोगशालाओं की अनुमोदित सूची में एनएबीएल द्वारा मान्यता के अनुसार निम्नलिखित के साथ शामिल किया गया है।

M/s Knack Engineering Services Private Limited, Shop No.3,103 105 & 115 Building B1, MMRDA Compound, Antop Hill, Mumbai, Maharashtra, India is included in the approved list of material testing laboratories for the following as per the accreditation by NABL:

Name of Laboratory & Address	M/s Knack Engineering Services, Private Limited, Shop No.3, 103 105 & 115 Building B1, MMRDA Compound, Antop Hill, Mumbai, Maharashtra, India
Phone /E-mail / Website	Tel no: +912224010040 E-mail: sales@knackengineeringservices.com Website: www.knackengineeringservices.com CIN No: U45209MH2017PTC291168

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Laboratory recommended for following tests

Permanent Facility

- 1. GGBS/UGGBS/Alccofine:**
Moisture (IS 16714), Moisture (IS 16715).
- 2. Admixture:**
Bleeding, Compressive Strength Percent of Control Sample, Final Setting Time Allowable Deviation from Control Sample, Flexural Strength Percent of Control Sample, Initial Setting Time Allowable Deviation from Control Sample, Water Content percentage of Control sample.
- 3. Alccofine:**
Specific Gravity.
- 4. Autoclaved Cellular Concrete Blocks:**
Drying Shrinkage, Block Density, Compressive Strength, Dimension – Length, Dimension – Thickness, Dimension – Width, Moisture Content.
- 5. Burnt Clay Bricks:**
Compressive Strength, Dimension – Length, Dimension – Thickness, Dimension – Width, Efflorescence, Water Absorption.
- 6. Cement Concrete Flooring Tiles:**
Flatness, Perpendicularity, Straightness, Water Absorption.
- 7. Coarse Aggregate:**
10% Fine Value, Abrasion Value, All-in-Aggregate Grading (Size, 80mm, 40mm, 20mm, 4.75 mm, 600 micron, 150 micron), Angularity Test, Crushing Value, Deleterious Content- Material Finer than 75 micron, Deleterious Material – Clay Lumps, Deleterious Material – Lightweight Pieces (Coal & Lignite), Elongation Index, Flakiness Index, Impact Value, Loose Bulk Density, Material Finer than 75 micron, Rodded Bulk Density, Sieve Analysis (Size 63mm,40mm,20mm,16mm,12.5mm,10mm,4.75mm,2.36mm), Soundness – MgSO₄, Soundness – Na₂SO₄, Specific Gravity, Water Absorption.
- 8. Concrete:**
Chloride Diffusion Coefficient, Compressive Strength, Compressive Strength by ACT (IS 516 (Part 1, Section 1)), Compressive Strength by ACT (IS 9013), Concrete Mix Design (Trial Mix - Density), Concrete Mix Design (Trial Mix - Slump), Density, Depth of Penetration of Water Under Pressure (BS EN 12390 (Part 8)), Depth of Penetration of Water Under Pressure (IS 516 (Part 2, Section 1)), Drying Shrinkage (ASTM C 157), Drying shrinkage (IS 516 (Part 6)), Initial Surface Absorption of Concrete (ISAT), (IS 516 (Part 2, Section 2)), Initial Surface Absorption of Concrete (ISAT) (BS 1881-208), Modulus of Elasticity, Moisture Movement, Pull out Bond Strength of Slip 0.025 mm (IS 2770 (Part 1)), Rapid Chloride Migration (RCMT), Rapid Chloride Penetration (RCPT), Split Tensile Strength, Water Absorption.
- 9. Concrete Beam:**
Flexural Strength.

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22. Marshal cone Compatibility Test With Admixture & Cement:

Flow, Optimum Dosage.

23. Micro-silica:

Accelerated Pozzolanic activity index with Portland cement, Compressive Strength, Oversize Percent Retained on 45 micron IS Sieve (Wet Sieving), Specific Gravity.

24. Ordinary Portland Cement (OPC):

Compressive Strength, Density, Final Setting Time, Fineness by Blaine Air Permeability Method, Fineness by Dry Sieving, Initial Setting Time, Normal Consistency, Soundness By Autoclave Method, Soundness By Le-chatelier Method.

25. Paver Block:

Compressive Strength, Dimension – Length, Dimension – Thickness, Dimension – Width, Plan Area, Split Tensile Test, Water Absorption.

26. Portland Pozzolana Cement (PPC):

Compressive Strength, Density, Drying Shrinkage, Final Setting Time, Fineness by Blaine Air Permeability Method, Fineness by Dry Sieving, Initial Setting Time, Normal Consistency, Soundness by Autoclave Method, Soundness By Le-Chatelier Method.

27. Portland Slag Cement (PSC):

Compressive Strength, Density, Final Setting Time, Fineness by Blaine Air Permeability Method, Fineness by Dry Sieving, Initial Setting Time, Normal Consistency, Soundness by Autoclave Method, Soundness By Le-chatelier Method.

28. Post Tensioning Grout:

Bleeding, Compressive Strength, Final Setting Time, Fluidity, Height Change, Initial Setting Time.

29. Solid Concrete Block:

Block Density, Compressive Strength, Dimension – Length, Dimension – Width, Dimension – Height, Drying Shrinkage, Moisture Movement, Water Absorption.

30. Ultrafine – Ground Granulated Blast Furnace Slag (UGGBS):

Normal Consistency, Specific Gravity, Final Setting Time, Initial Setting Time.

31. Water Bound Macadam:

Sieve Analysis (Size 75,63,53,45,22.4,11.2 mm).

32. White Portland Cement:

Compressive Strength, Density, Final Setting Time, Fineness by Blaine Air Permeability Method, Fineness by Dry Sieving, Initial Setting Time, Normal Consistency, Soundness By Le-chatelier method.

33. Coupler:

Distance of Failure, Slip Test, Static Tensile Test.

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Site Testing

- 1. Anchor/ Bolt/ Wire Strands/ Rebar:**
Pull Load.
- 2. Fine Aggregate:**
Bulking of Fine Aggregate, Moisture Content.
- 3. Granular Sub Base/ Wet Mix Macadam/ Water Bound Macadam:**
Dry Density by Sand Replacement Method.
- 4. Soil:**
Dry Density by Sand Replacement Method.
- 5. Concrete Piles:**
Pile Integrity Test.
- 6. Reinforced Concrete Structure:**
Carbonation Depth, Cover Depth, Crack Depth Measurement, Half Cell Potential, Load Test, Rebound Hammer Test, Ultra Sonic Pulse Velocity Test.

Permanent Site Facility

- 1. Bipolar Concrete Penetrating Corrosion Inhibiting Admixture:**
Appearance, Odour, pH, Skin Irritation.
- 2. Admixture:**
Ash Content, Chloride, Dry Material Content, pH, Relative Density, Sulphate as (SO₃).
- 3. Bipolar Concrete Penetrating Corrosion Inhibiting Admixture:**
Accelerated Corrosion for 21 Hours with Bipolar, Accelerated Corrosion for 21 Hours with Raw Water, Specific Gravity, Viscosity by Ford Cup.
- 4. Building Lime:**
Calcium Oxide, Combined Alumina & Ferric Oxide, Insoluble Matter, Insoluble Residue, Loss on Ignition, Magnesium Oxide, Silica.
- 5. Coarse Aggregate/ Fine Aggregate:**
Alkali Aggregate Reactivity – Dissolved Silica, Alkali Aggregate Reactivity – Reduction in Alkalinity, Chloride, pH, Potash (K₂O), Sodium Oxide (Na₂O), Sulphate as SO₃.
- 6. Crushed Sand/ Natural Sand/ Manufactured Sand:**
Alkali Aggregate Reactivity – Dissolved Silica, Alkali Aggregate Reactivity – Reduction in Alkalinity, Chloride, Sodium Oxide (Na₂O), Sulphate as SO₃, pH, Potash (K₂O).

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	<p>20. Water for Construction Purpose: Acidity – Volume of 0.02 N NaOH to Neutralize to 100ml of Water Sample Using Phenolphthalein Indicator, Alkalinity - Volume of 0.02 N H₂SO₄ to neutralize to 100 ml of Water Sample using mixed indicator, Chloride, Inorganic Solid, Organic Solid, pH, Sulphate as (SO₃), Suspended Matter.</p> <p>21. Cement Concrete Flooring Tiles: Wet Transverse Strength.</p> <p>22. Chequered Tiles: Flatness, Perpendicularity, Straightness, Water Absorption, Wet Transverse Tiles.</p> <p>23. Granular Sub Base/ Wet Mix Macadam/ Water Bound Macadam: Specific Gravity.</p> <p>24. Hollow Concrete Block: Compressive Strength, Dimension – Height, Dimension – Length, Moisture Movement, Water Absorption.</p> <p>25. Mortar Cube: Compressive Strength.</p> <p>26. Soil: Specific Gravity.</p>
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1. सामग्री परीक्षण प्रयोगशाला का एम्पैनेलमेंट एनएबीएल मान्यता प्रमाण पत्र के आधार पर अनुमोदित किया जाता है।

The empanelment of material testing laboratory is approved based on NABL Accreditation certificate.

2. प्रयोगशाला का एनएबीएल मान्यता प्रमाणपत्र 29.01.2029 तक वैध है। परीक्षण के लिए सामग्री नमूने/भेजने से पहले, फील्ड यूनिट को यह सुनिश्चित करना होगा कि प्रयोगशाला परीक्षण नमूने संचालन क्षेत्र परीक्षण जमा करने के दिन एनएबीएल मान्यता प्रमाण पत्र की विशिष्टताओं और वैधता/ के अनुसार परीक्षण करने के लिए सुसज्जित है।

The NABL accreditation certificate of the laboratory is valid up to 29.01.2029 Before sending material / samples for testing, the field unit must ensure the laboratory is equipped to carry out the test as per specifications and validity of NABL accreditation certificate on the day of submission of test samples / conduction field tests.

3. एम्पैनेलमेंट 29.01.2029 तक या एनएबीएल मान्यता की वैधता, जो भी पहले हो, तक वैध रहेगा। हालाँकि, भारतीय विमानपत्तन प्राधिकरण बिना कोई कारण बताए आपकी प्रयोगशाला को डीपैनेल - करनेका अधिकार सुरक्षित रखता है और इस संबंध में किसी भी दावे पर विचार नहीं किया जाएगा।


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