



AAI/CAP/GME(C)/2022/1357

Dated: 02.02.2023

Sub: Empanelment of Material testing laboratories in Airports Authority of India.

1. "CHENNAI METTEX LAB PRIVATE LIMITED" is included in the approved list of material testing laboratories along with following facilities available/recommended as given below:

Name & address of lab with phone, Fax, e-mail, Website	CHENNAI METTEX LAB PRIVATE LIMITED, Jothi Complex, 83, MKN. Road, Guindy, Chennai-600032, Tamilnadu, India Ph: 044 - 22323163, 42179490, 42179491, Mobile No.: 9841078949, 9841278949, 9841137087 E-mail: test@mettexlab.com
Details of registration/accreditation, if any, with BIS, NABL, Govt./Semi Govt./public Sector undertaking (Central/state) agencies	ISO/IEC 17025:2017, NABL Accreditation certificate, NO:TC 5589, with extended Validity up to -15.06.2024 Udyog Aadhaar Memorandum (MSME), GST Certificate BIS - 03.02.2021 to 02.02.2024
Discipline/Group	Material / Test
Mechanical - Building Materials	Cement - Physical properties Aggregate - Physical properties TMT bars-Reinforcing steel & coupler, Anchor bolts - Physical properties Bricks, Hollow & solid blocks, Paver blocks - Compression strength Concrete Cubes - Compression strength
Chemical - Building Materials	Cement -Chemical properties Aggregate - Chemical Properties
Mechanical - Rubber & its Products	Rubber & its Products, - Density, Shore- A Hardness, IRHD, Tensile properties, compression set, heat aging properties, tear strength, Low temperature tests
Chemical - Rubber & its Products	Rubber & its Products - ash content, filler content, polymer identification.
Paint, Varnishes	As per IS and AAI specifications such as Drying time, Consistency, Finish, Appearance, Colour, Wet capacity, Resistance to bleeding, Recoating Property, Resistance to wear, Resistance on sieve, Flash point



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Mechanical Metallography	- Steel, Cast irons, Aluminum, Copper base alloys, other non-ferrous alloys, electroplated coating of copper, Brass, Nickel, Chromium Micro structure, Macro examination, carburization / decarburization depth, layer thickness, Coating thickness, effective case depth, Vickers micro hardness.
Mechanical - Mechanical Properties of Metals	Ferrous & Non-Ferrous Metal, Ferrous weld metal, Fasteners, Hot rolled medium and High Tensile Structural Steel / Thermo Mechanical Treated steel / Hollow Steel Section / steel tubes, Tensile properties, Brinell hardness number, Vickers hardness number, Rockwell hardness number, Charpy V-notched impact testing, Charpy U-notched impact testing, izod impact test, Rockwell superficial hardness test.
Chemical - Metals & alloys	Iron base - Low, medium and high carbon steel, Cast Iron, Alloy steel, Stainless steel, Tool steel Aluminum base - Al and its alloys Copper base - copper and its alloys Nickel base - Nickel and its alloys (the chemical tests are performed by OES & wet analysis and ICP-OES)
Chemical - Soil	Sieve analysis, Bulk density, etc.,
Chemical - Water	Water for construction purpose as per IS 456 Drinking Purposes as per IS 10500 Effluent treatment plant water Sewage treatment plant water

2. The material testing laboratory is approved based on inspection reports/recommendations.
3. Presently, the NABL accreditation certificate of the laboratory is valid up to **15.06.2024**. The field unit must ensure before sending material/samples for testing, 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/conducting field tests.
4. Apart from the approved laboratories, Services of Govt. Laboratories, Govt. Engineering College, IITs, CRRI, National Council for cement & building materials etc. may be availed, wherever available.



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5. The empanelment shall be valid in SR, AAI from date of issue of this letter to 15.06.2024. However, in case any problem is faced by any Region/Station, the same may please be brought to the notice of AAI, Project Division, Chennai.

(A. S. Mahesha),
General Manager (Engg-Project),
AAI, Chennai Airport.

ए. एस. महेशा / A. S. MAHESHA
महाप्रबंधक (इंजी - परियोजना) / General Manager (Engg - Proj)
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