



KETUA PENOLONG PENGARAH
CAWANGAN MAKMAL DAN PENYIASATAN TAPAK
Jabatan Kerja Raya Kepayan
88200 Kota Kinabalu
Sabah.



Telefon: 088 - 233583, 240694
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Rujukan Tuan: ARCGTL/ADMIN/JKR/25/009
Rujukan Kami: JKR.MAB.600-15/AT73 (JLD.14)/3
Tarikh: 18 February 2025

ARC GEOTECH LABORATORY,
Lot No. 18, Ground Floor,
Golden Plaza, Light Industrial Centre,
Jalan Datuk Peter Mojuntin,
89500 Penampang, Sabah.
No. Tel: 088-729397/No. Fax: 088-729397

Tuan,

**REGISTRATION RENEWAL WITH JKR SABAH AS LOCAL MATERIAL TESTING FIRM
(ARC GEOTECH LABORATORY)**

Reference is made to your letter ref: ARCGTL/ADMIN/JKR/25/009 dated on 14th January 2025. Based on visit was made to your office on 22th January 2025 regarding matter mentioned above and we found out that your laboratory is being managed by professional engineer with practicing certificate, testing facilities are in good condition and testing works being carried out by experienced personnel. It deemed that your application for renewal is approved. The services covered under this approval shall be limited to:

- 1) Moisture Content (Conventional Oven Dry Method)
- 2) Atterberg Limit Tests (Liquid limit, Plastic Limit & Shrinkage Limit)
- 3) Particle Size Distribution (Dry Sieving Method & Wet Sieving Method)
- 4) Clay, Silt and Dust Content Test
- 5) Flakiness Index and Elongation Index Test
- 6) Laboratory Compaction Test
- 7) Laboratory & In-situ California Bearing Ratio Test
- 8) Specific Gravity / Relative Density & Water Absorption Test
- 9) Swelling and Shrinkage Limit Test
- 10) 10% Fine Test
- 11) Aggregate Crushing Value Test
- 12) Soundness Test (Sulphate & Magnesium)

“SABAH MAJU JAYA”

REGISTRATION RENEWAL WITH JKR SABAH AS LOCAL MATERIAL TESTING FIRM (ARC GEOTECH LABORATORY)

- 13) Covermeter Test
- 14) Rebound Hammer Test for Concrete
- 15) In-Situ Coring of Concrete Structure
- 16) Carbonation Test
- 17) Concrete Trial Mix & Slump Test
- 18) Compressive Strength Test for Concrete Cube / Concrete Core / Brick / Block (Capacity: 1500 kN)
- 19) Bitumen Extraction & Grading of Aggregate
- 20) Marshall Stability & Flow Test
- 21) In-Situ Coring of Asphaltic Concrete Pavement
- 22) Determination of Pavement Thickness & Density
- 23) Field Density Test (Sand Replacement Method)
- 24) Mackintosh Probe / JKR Probe Test
- 25) Hand Auger Sampling
- 26) Plate Bearing Test (Capacity: 250 kN & Plate Size: 500 mm)
- 27) Pile Load Test (Capacity: 200 & 350 tonne)
- 28) Pull-Out Test (for Soil Nailing and Anchor)
- 29) Sand Equivalent

Notes:

- i) Please ensure all that instrument still has valid calibration certificate from Department of Standard Malaysia accredited Laboratory prior to usage.
- ii) Please note that any instrument that 'calibrated' by Non-accredited Laboratory are considered as verification only.
- iii) Please ensure that your laboratory standard operating procedure (SOP) for testing complying to respective JKR Specification, British Standards (BS) and/or American Society for Testing and Material (ASTM) Standards and/or AASHTO Test Methods shall be made available to all personnel for references at all times.
- iv) All test reports issued must be certified by the Professional Engineer with Practicing Certificate that supervised the testing. The registration shall be revised in an annual basis to ensure the standards and integrity of testing is maintained and may be revised at any time with one (1) week notice if this office found that your company has contravene with the conditions mentioned above.

"SABAH MAJU JAYA"

Rujukan tuan: ARCGTL/ADMIN/JKR/25/009

Rujukan Kami: JKR.MAB.600_15 /AT 73 (JLD-14) /3

Tarikh: 18 February 2025

**REGISTRATION RENEWAL WITH JKR SABAH AS LOCAL MATERIAL TESTING FIRM (ARC GEOTECH
LABORATORY)**

Thank you.

"MALAYSIA MADANI"

"BERKHIDMAT UNTUK NEGARA"

Saya yang menjalankan amanah,


(JUDE ANTHONY)

Ketua Penolong Pengarah

Caw. Makmal dan Penyiasatan Tapak

/NAN


"SABAH MAJU JAYA"