



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



Telefon: 088 - 233583, 240694
Faks: 088 - 237564
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Rujukan Tuan: ARCGTL/ADMIN/JKR/19/178
Rujukan Kami: JKR.MAB.600-15/AT73/ *Jld. 10/138*
Tarikh: 22 Oktober 2020

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

Sir,

REGISTRATION RENEWAL WITH JKR SABAH AS LOCAL MATERIAL TESTING FIRM

Reference is made to your letter with ref: ARCGTL/ADMIN/JKR/19/178 and ARCGTL/ADMIN/JKR/19/200 dated 15th September 2020 and 19th October 2020. Subsequent visit was made to your office on 21st September 2020 regarding the above stated matter and we found out that your laboratory is being managed by professional engineer, testing works being carried out by experienced laboratory and field personnel and testing facilities are in good working condition. It is 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/ Speedy Moisture Content 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 & Elongation Index Test
- 6) Laboratory Compaction Test
- 7) Laboratory & In-situ California Bearing Ratio Test
- 8) Specific Gravity/Relative Density & Water Absorption Test
- 9) 10% Fine Test

"Get Things Done Right and On Time"

- 10) Aggregate Crushing Value Test
- 11) Soundness Test
- 12) Concrete Trial Mix & Slump Test
- 13) Compressive Strength Test for Concrete Cube / Concrete Core /Brick/ Block
- 14) Bitumen Extraction & Grading of Aggregate
- 15) Marshall Stability & Flow Test

*shall be **calibrated by Department of Standard Malaysia accredited Laboratory** prior to usage.

- 16) Field Density Test (Sand Replacement Method)
- 17) Rebound Hammer Test for Concrete
- 18) In-Situ Coring of Concrete Structure
- 19) In-Situ Coring of Asphaltic Concrete Pavement
- 20) Determination of Pavement Thickness & Density
- 21) Mackintosh Probe / JKR Probe Test
- 22) Hand Auger Sampling
- 23) Plate Bearing Test
- 24) Pile Load Test
- 25) Pull-Out Test

Notes:

- (i) Please ensure all weighing balances, load measuring instrument, dial gauges and ovens shall be **calibrated by 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 also note that Global Instrument (S) Sdn Bhd only accredited by **Department of Standard Malaysia** for **Compression Test Machine (Range 500kN to 2000kN)** as per **attachment.**

"Get Things Done Right and On Time"

- (iv) 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 Materials (ASTM) Standards and/or AASHTO Test Methods shall be made available to all personnel for reference at all times

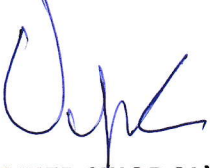
All test reports issued must be certified by the Professional Engineer. The registration shall be revised in an annual basis to ensure the standards and integrity of testing is maintained and may be revised at any time with one (1) week notice if this office found that your company has contravene with the conditions mentioned above.

Thank you.

"JKR PEMACU TRANSFORMASI PEMBANGUNAN"

"KREATIF, EFISIEN DAN BERKUALITI TONGGAK TRANSFORMASI PEMBANGUNAN JABATAN"

Saya yang menjalankan amanah,



(VYNER SIKODOL)

Ketua Penolong Pengarah

Makmal dan Penyiasatan Tapak

Net /MT

s.k. Laboratory File