

POINT LOAD STRENGTH OF SOME METAMORPHIC ROCKS IN SRI LANKA

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Samples from fourteen metamorphic rock types in different locations were collected to measure the strength parameters using Point Load Test Machine. This is a part of the current research on "Strength Properties of Sri Lankan Rocks".

Irregular lump specimen tests, block tests, axial tests and diametral tests were carried out during this stage. Point load strength, mean value and point load strength index were obtained by applying the load parallel and perpendicular to the plane of weakness. It is found that Charnockite is the strongest rock type and others are comparatively lesser than that. Strength perpendicular to the foliation plane in Pink Granite is similar to Charnockite. It gives an idea of uniaxial compressive strength of each rock type.

This research is in progress to prepare a classification of Sri Lankan rocks on the basis of point load strength.

References

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