## 9.0 References

Bandis,S. ,Barton, N., and Lumsden A.,1981, "Experimental Studies of Scale Effects on the Shear Behavior of Rock Joints,"International Journal of Rock Meachanics,Mining Sciences and Geomechanics Abtracts,Vol. 18,pp1-21.

Barton, N. (1980) Evaluation of shear strength in rockfill and between rockfills and rock foundations. NGI report 53101-2, 67 p. (In Norwegian).

Barton, N. and Choubey, V.,1977, The shear strength of rock joints in theory and practice. Rock Mechanics 1/2:1-54.17. Vienna: Springer.

Barton, N. and Kjærnsli, B. ,1981, Shear strength of rockfill. J. of the Geotech. Eng. Div., Proc. of ASCE, Vol. 107:GT7: 873-891. Proc. Paper 16374, July.

Barton, N., an Choubey, versity, of the Shear Strength Larker and Rock Joints in Theory and Rock Mechanics, Spriger-Verlag, Austria, Vol. 10, No. 1/2, pp1-54. www.lib.mrt.ac.lk

Barton, N.R., 1973, Review of a new shear-strength criterion for rock fractures. Engineering geology, Vol. 7, Nr. 4, pp. 287-332.

Bland, W. and Rolls, D., 1998, Weathering: An Introduction to Scientific Principles, Hodder Arnold, London.

Breitenbach, A. J., 1993, "Rockfill Placement and Compaction Guidelines," Geotech. *Test. J.*, Vol. 16 (1), pp. 76–84.

Brown, E.T., 1981, Rock characterization testing & monitoring: ISRM Suggested Methods. Comission on testing methods, international society for rock mechanics, Pergamon Press.

Christine, E.E.,2006, Physical Rock Weathering along the Victoria Land Coast,Antarctica.

Cooray, P.G, 1994, The Precambrian of Sri lanka: a Historic Review, Precambrian Research 66, Elsivier, 3-18.

DeWaard, D. ,1965, A proposed subdivision of the granulite facies. American Journal of Science 263,455-461.

Duncan, J. M. and Wright, S. G. ,2005, Soil Strength and Slope Stability, Wiley, New Jersey.

FERC ,1991, Chapter IV, Embankment Dams, Federal Energy Regulatory Commission.

Gunathilake, University of Moratuwa, Sri Lanka. Gunathilake, Udagedara, F., 2006, Investigation of the Rapid rock weathering Electronic Theses & Dissertations Problem at Samanlawewa Hydro Power Project Site.

Gunatilake A.A.J.K.,1995,Reservoir leakage problem of the Samanalawewa Hydropower Project, Handbook on Geology and Mineral Resources of Sri Lanka, GEOSAS-II, Colombo, Sri Lanka, January 19-24,1995.

Hoek, E., 2007, Practical Rock Engineering.

Hopkins, D.L., 2000, The implication of fracture deformation in analyzing the properties and behaviour of fractured rock masses, underground excavations, and faults. International Journal of Rock Mechanics & Mining Science. Vol. 37, pp.175-202.

Jansen, R. B., 1997, Analyses and Static Strength of Embankment Materials, Correspondence.

Jayawardena, U.de S., 2003, Use of Correlation Between ultrasonic velocity and point load strength of weathered rock, Jour. Of Geo. Soc.Sri Lanka, Vol 11, pp 107-114

Johansson, F., 2003, Stability Analyses of Large Structures Founded on Rock , An Introductory Study. Licentiate Thesis, Royal Institute of Technology, Stockholm.

Joint Venture Samanalawewa, Samanalawea Hydroelectric Project-Completion report (main reports 1 &2), unpublished property of Ceylon Electricity Board.

Kroner, A., Cooray P.G Vithanage P.W.,1991,Lithotechtonic subdivision of the Precambrian basement in Sri Lanka.The crystalline crust of Sri Lanka,part1,Summary of research of the German-Sri Lanka Consortium, Geol. Surv. Deprt. Sri Lanka, professional paper.

University of Moratuwa, Sri Lanka. Laksiri Kamana, 2007-Chrossigationsofs Wat Dissertation Saga University, Japan.

Lambe, T. W. and Whitman, R. V. ,1969, Soil Mechanics, Wiley, New York.

Loughnan, F.C., 1969, Chemical weathering of illicate minerals, Elsivier NY, pp 27-35

Matheson, G. M., 1986, "Relationship Between Compacted Rockfill Density and Gradation," *J. Geotech. Engrg.*, Vol. 112 (12), pp. 1119–1124.

Millisenda CC, Liew TC, Hofman AW, Ko<sup>-</sup>hler H ,1994, Nd isotopic mapping of the Sri Lanka basement: update and additional constraints from Sr isotopes. Precambrian Res 66:95–110.

Pathirana, H.D.N.C., 1980, Geology of Sri Lanka in relation to Plate Tectonics; L. Natn. Sci. Coun. Sri Lanka v. 8, p. 75-85.

Pidwirny, M. ,2006, Weathering- Fundamentals of Physical Geography, 2nd Edition.

Sener Ceryan,2008, Weathering Indices for Assessment of Weathering Effect and Classification of Weathered Rocks: A Case Study from NE Turkey, Geology Engineering Department, Balikesir University, Balikesir, Turkey.

Sir Alexander Gibb &Partners ,1987, Design Calculations, Lot II Embankment dam, Samanalawewa Hydro Electric Project.

United States Society on Dams, 2007, Strength of Materials for Embankment Dams.

USBR ,1987, Design Standards No. 13, Embankment Dams, Chapter 4. Static Stability Analyses.



University of Moratuwa, Sri Lanka. Electronic Theses & Dissertations www.lib.mrt.ac.lk