## References

Abayakoon S.B.S. (1998), "Seismic response of low lying areas in Colombo, Sri Lanka", Engineer, Journal of The Institution of Engineers Sri Lanka, Vol xxviii, No – 2, pp 29 – 36.

Andrew O. (1993), "Structural Design of Masonry", Longman Group UK Limited, England.

Applied Technology Council (1999), "Evaluation of earthquake damaged concrete and masonry wall buildings – basic procedures", Technical Report, Federal Emergency Management Agency (FEMA), FEMA 306.

ASTM C952-76 "Standard Test Method for Bond Strength of Mortar to Masonry Units", American Society for Testing and Materials, Philadelphia, 742-753.

Bousmaha B, Nicholas W. (2002), "Architectures' Data", Blackwell Publishing Company Oxford, United Kingdom, pp 67-68

BS 812: (1985), Testing aggregate, Part 103: "Methods for determination of particle size distribution", Section 103.1: Sieve tests, British Standard Institution, United Kingdom.

BS 882: (1992), "Specification for aggregates from natural sources for concrete", British Standard Institution, United Kingdom.

BS 5628:Part 1: (1992), "Code of Practice for Use of Masonry", Part 1.Structural use of unreinforced masonry, British Standard Institution, United Kingdom.

Curtin W.G. (1983) Shaw G., Beck G.K., Bray W.A., "Load bearing brickwork cross wall construction", The Brick Development Association, Woodside House, Berkshire.

Cook N.J. (1985), "The designer's guide to wind loading of building structures", Part 1, Building Research Establishment, Butterworths, London, 371p.

Dinesh B. P. Devraj B. P., Khimji Pindoria, (2001), "Gujarat Relief Engineering Advise Team (GREAT)", GREAT publication, Repair and strengthen guide for earthquake damaged low rise domestic buildings in Gujarat, India.

Gagor A., Ferrier E., Jacquelin E., Hamelin P. (2006), "Analysis and modeling of the in-plane shear behavior of hollow brick masonry panels", Construction and Building Materials 20, pp 308-321.

Groot C. (1993), "Effects of water on mortar-brick bond", PhD thesis, Faculty of Civil Engineering, Delft University. of Technology, Netherlands.

Harinarayana T., Naoshi Hirata (2005), "Destructive earthquake and tsunami in the Indian Ocean, what next?" Gondwana Research (Gondwana Newsletters Section), International Association for Gondwana Research, Japan, V8, No.2, pp 246-257. Electronic Theses & Dissertations

Www.lib.mrt.ac.lk Hendry A.W. (1990), "Structural Masonry", Macmillan Education Limited, United Kingdom.

Hettiarachchi S., Samarawickrama S (2007), "The Tsunami Hazard in Sri Lanka, Strategic approach for the protection of lives, ecosystems and infrastructure", International Conference on Mitigation of the risk of natural hazards, University of Peradeniya, Sri Lanka.

Jayasinghe, M.T.R. (1997), "Load bearing brickwork construction for Sri Lanka", STRAD Consultents, Sri Lanka.

Jayasinghe M. T. R. (1998), "Load bearing construction with local bricks", Engineer, Journal of The Institution of Engineers, Sri Lanka, Volume xxvii, No 1, pp 49-57.

85

Konthesingha K.M.C., Jayasinghe C., Nanayakkara, S.M.A. (2007), "Bond and compressive strength of masonry for locally available bricks", Engineer, Journal of The Institution of Engineers Sri Lanka, Vol. XXXX, No – 04, pp 7 - 13.

Macks K.J., Murry F.J., wittenoom R.A. (1979), "Technical assistance to Sri Lanka on cyclone resistant construction", Vol. 2, Part 5, Australian Development Assistance Bureau, Department of Housing and Construction, Australia.

Mallawaarachchi R.S., Jayasinghe C. (2007a), "Strategies for enhanced disaster resistance of commonly used building materials", International Conference on Mitigation of the risk of natural hazards, University of Peradeniya, Sri Lanka.

Mallawarachchi R.S., Jayasinghe C. (2007b), "Quantification of lateral load enhancement potential of masonry walls using tie beams", has been submitted to the Journal of The Construction and Building Materials, (being reviewed)

University of Moratuwa, Sri Lanka.

Mallawaarachchi R.S.F. Jayasinghe M.F.R., Jayasinghe (Q.i (2007c), "An integrated approach for disaster vesisiont elevated houses for tsunami affected areas", International Conference on Mitigation of the risk of natural hazards, University of Peradeniya, Sri Lanka.

Murty C.V.R. (2003a), "Why are horizontal bands necessary in masonry buildings?", 'IITK-BMTPC Earthquake Tips: Learning Seismic Design and Construction', National Information Center of Earthquake Engineering, IIT Kanpur, INDIA, [Online] Available at http://www.nicee.org/EQTips.php.

Murty C.V.R. (2003b), "Why is vertical reinforcement required in masonry buildings", 'IITK-BMTPC Earthquake Tips: Learning Seismic Design and Construction', National Information Center of Earthquake Engineering, IIT Kanpur, INDIA, [Online] Available at http://www.nicee.org/EQTips.php.

Parsekian G.A., Franco L.S. (2000), "Cost comparative analysis to the use of prestressed masonry in Brazil", Sixth International Seminar on Structural Masonry for the Developing Countries, In: Venkatarama Reddy BV, Singhe BP, editors, Bangaloer, India, pp 203-214.

Population and housing data, Department of Census and Statistics, Sri Lanka, [Online] Available at <u>http://www.statistics.gov.lk</u>, June 2007.

Priestley M.J.N., Seible F. (1995), "Design of seismic retrofit measures for concrete and masonry structures", Journal of the Construction and Building Materials, Vol. 9, No.6, pp. 365-377.

Remo P. (2004) "Structural innovation in pre-stressed brickwork", Construction and Building Materials, 18, pp 99-109..

Samarawickrama S.P. (2006a), "The Tsunami Hazard in Sri Lanka Strategic Approach for the protection of lives, ecosystems and infrastructure", Coastal Engineering Journal, Special Issue, Indian Ocean Tsunami, JSOEA.

Electronic Theses & Dissertations

Samarawickrama S., Fernando H., Hettiarachchi S. (2006b), "Indian Ocean Tsunami on the Sri Lankan coast near shore processes and the impact of coral removal", Second International Workshop on Coastal Disaster Prevention.

Sarangapani G., Venkatarama R. B.V., Jagadsh K.S (2005), "Brick- Mortar Bond and Masonry Compressive Strength", Journal of Materials in Civil Engineering, PP 229-237.

Sinha B.P. (1967) "Model studies related to load bearing brickwork", PhD thesis, Univ. of Edinburgh, United Kingdom.

0

SLS 39: (1978) "Specification for clay burnt bricks", Sri Lanka Standards Institution, Colombo, Sri Lanka.

Turco V., Secondin, S., Morbin A., Valluzzi M.R., Modena C. (2006), "Flexural and shear strengthening of un-reinforced masonry with FRP bars", Composite Science and Technology 66, pp. 289-296.

Vintzileou E.N., Palieraki V.A. (2007) "Perimeter infill walls : the use of bed joint reinforcement or RC tie-beam", Jurnol of the British Masonry Society, Masonry International, Vol 20, No. 3, pp 117-128.

West H.W.H., Hodgkinson H.R, Webb W.F. (1973), "*Te resistance of brick walls to Lataral loading*", Proc. Br. Ceram, Soc., 21, pp 141-64.

Wimalarathne K.D. (1993) "The first earthquake record in Sri Lanka", Daily News.



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