References

ABDALLA, H.A.(2002). Assessment of damages and repair of antenna tower concrete foundations. *Construction and Building Materials* 16 (2002) 527–534

ABRAHAM, A. HARIKRISHNA, P. GOMATHINAYAGAM, S. AND LAKSHMANAN, N. (2005). Failure investigation of microwave towers during cyclones – A case study. *Journal of Structural Engineering*, Vol. 32, No.3, August–September 2005.

AMIRI, G.G. & BOOSTAN, A. (2000). Dynamic response of antenna-supporting structures. *Structural Specialty Conference, Canadian Society for Civil Engineering, Montreal, Quebec, Canada. June 2000*

ANDERSEN, U.S (2002). Analysis and design of masts and towers. *International symposium on lightweight structures in civil engineering Warsaw, Poland*, June 2002

BS8100 – 1986, British *standard for Lattice towers and masts – Part 1 to 4*

DA SILVA, J.G.S. DA VELLASCO, P.C.G. ANDRADE S.S.A.L.D (2002) An evaluation of structural steel design systems for transmission and telecommunication towers. *International symposium on lightweight structures in civil engineering Warsaw, Poland*, June 2002

DA SILVA, J.G.S. DA VELLASCO, P.C.G. ANDRADE S.S.A.L.D. OLIVEIRA M.I.R.D. (2005). Structural assessment of current steel design models for transmission and telecommunication towers. *Journal of Constructional Steel Research* 61 (2005) 1108–1134.

Hutchison Telecommunication Lanka (pvt) Limited, (2009) *Technical specification for steel lattice towers and monopoles*, Sri Lanka.

IS:875 (Part 3) – 1987 - *Indian Standard Code of practice for design loads (other than earthquake) For buildings and structures,* Part 3, Wind Loads (Second Revision)

JAYASINGHE, M.T.R. (2008). Wind loads for tall buildings in Sri Lanka. Reference material provided for full day seminar on *Structural design for wind loading*, Society of Structural Engineers – Sri Lanka, 16th January 2008.

JAYAWARDANE, A.K.W. (2006). Disaster Mitigation Initiatives in Sri Lanka, *International Symposium on Management Systems for Disaster Prevention*, Kochi University of Technology, Japan, 9-11, March 2006.

LankaBell Limited, (2007) *Technical specification for steel lattice towers and monopoles*, Sri Lanka.

LEE, P.S. & MCCLURE, G. (2007). Elastoplastic large deformation analysis of a lattice steel tower structure and comparison with full-scale tests. *Journal of Constructional Steel Research* 63 (2007) 709–717

LEWANGAMAGE, C.S., WEERASURIYA, A.U., JAYASINGHE, M.T.R (2009)., *Wind Engineering in Sri Lanka – Past, Present and Future*, 5th Workshop on Regional Harmonization of Wind Loading and Wind Environmental Specifications in Asia Pacific Economics (APEC-WW2009), November 2009, Taiwan

LIKOS, W.J. & SALIM, H.(2005). *Condition Assessment and Natural Hazards Analyses for Communications Towers*. Report prepared for Missouri department of transportation, Research, development and technology, Jefferson city, Missouri.

MALLAWAARACHCHI, R.S. & JAYASINGHE C. (2008). The effects of cyclones, tsunami and earthquakes on built environments and strategies for reduced damage, *Journal of the National Science Foundation of Sri Lanka*, 36 (1) – March 2008

MCKITTRICK, B. (2010). *Engaging Structural Engineers- a Guide for Clients*. [online] Institution of Structural Engineers United Kingdom (IStructE). Available from: http://www.croftse.co.uk/5.Images/IStructE%20Guide%20-%20Engaging%20Structural%20Engineers.pdf (Accessed 24th May 2010)

MLGHC-SL (Ministry of Local Government, Housing and Construction- Sri Lanka) (1980). *Design of Buildings for High winds - Sri Lanka,* Colombo, Sri Lanka.

Mobitel (pvt) Limited, (2009) *Technical Specifications for Civil Construction,* Sri Lanka.

MOSKAL, P. & RAGHU, K.(2006). NSI/TIA standard 222 – Structural standard for antenna supporting structures and antennas - A comparison of revisions F and G. *Bechtel Telecommunications technical journal*, Vol 04, No 01, January 2006.

NGO, T. & LETCHFORD, C.(2008). A comparison of topographic effects on gust wind speed. *Journal of Wind Engineering and Industrial Aerodynamics* 96 (2008) 2273–2293

Orange Telecommunication, (2009) *Technical specifications – Civil works and installation of tower and mast, France.*

PEIL, U. & BEHRENS, M. (2007). Aerodynamic admittance models for buffeting excitation of high and slender structures. *Journal of Wind Engineering and Industrial Aerodynamics* 95 (2007) 73–9.

SAVORY, E. PARKE, G.A.R. DISNEY, P. AND TOY, N.(2008). Wind-induced transmission tower foundation loads, A field study-design code comparison. *Journal of Wind Engineering and Industrial Aerodynamics* 96 (2008) 1103–1110.

Sfaricom Limited, (2009) *Technical specifications & compliance document for towers, monopoles & stub towers,* Kenya.

SULLINS, E.J. & SALIM, H. (2007). *Analysis of radio communication towers subjected to wind, ice and seismic loadings.* A thesis report for the degree, Master of Science in the Faculty of the Graduate School of the University of Missouri – Columbia.

Suntel Limited, (2008) *Technical specifications for green field self-support towers,* Sri Lanka.

TIA/EIA222-G -2005, *Structural standard for Antenna Supporting Structures and Antennas*

TRC (2009), Official web site of Telecommunications Regulatory Commission of Sri Lanka. http://www.trc.gov.lk/, (Accessed April 2010)

WOOD, G.S. (2007). *Wind Loading of Telecommunication Antennas and Head Frames.* Research Report No R881, School of Civil Engineering, The University of Sydney.

Further readings

BS5950-part1:2000, *British standard for structural use of steel work in buildings.*

IS802 (par1-sec1) : 1995, *Indian standard for use of structural steel in overhead transmission line towers.*

Policy for Antenna and antenna supporting structures - 2008, Telecommunication Regularity Commission - Sri Lanka,

SMITH, B.W. (2006) *Communication structures*, Thomas Telford, London.

ANNEXE