

REFERENCES

- [1] *Statistical Digest 2017*, Ceylon Electricity Board, 2017.
- [2] *Statistical Digest 2016*, Ceylon Electricity Board, 2016.
- [3] Statistical Unit, Corporate Strategy & Regulatory Affairs Branch, “Sales and Generation Data Book 2016,” Ceylon Electricity Board, 2016.
- [4] M. Singh, “100% Electricity Generation through Renewable Energy by 2050, Assessment of Sri Lanka's Power Sector,” Asian Development Bank, and United Nations Development Programme, 2017.
- [5] Ceylon Electricity Board, “Long Term Generation Expansion Plan 2018-2037,” Ceylon Electricity Board, Colombo, Sri Lanka, 2017.
- [6] R. Fu, D. Feldman and R. Margolis, “U.S. Solar Photovoltaic System Cost Benchmark: Q1 2018,” National Renewable Energy Laboratory, Golden, CO, 2018.
- [7] K. Ardani, J. J. Cook, R. Fu and R. Margolis, “Cost-Reduction Roadmap for Residential Solar Photovoltaics (PV), 2017–2030,” National Renewable Energy Laboratory, Golden, CO, 2018.
- [8] Asian Development Bank, “Cost-benefit analysis for development: A practical guide,” Asian Development Bank, Mandaluyong City, Philippines, 2013.
- [9] Asian Development Bank, “Asian Development Bank,” 2018. [Online]. Available: <https://www.adb.org/sites/default/files/linked-documents/50373-002-sd-04.pdf>. [Accessed 6 March 2019].
- [10] Asian Development Bank, “Guidelines for the economic analysis of projects,” Asian Development Bank, Mandaluyong City, Philippines, 2017.
- [11] R. Wijekoon and J. Ekanayake, “Determining the Regulating Reserve

Requirement with the integration of Variable Renewable Energy Sources to the Sri Lankan Power System,” Colombo, 2018.

- [12] Australian Energy Market Operator Limited, “Guide to Ancillary Services in the National Electricity Market,” Australian Energy Market Operator Ltd, 2015.
- [13] D. Chathurangi, U. Jayatunga, M. Rathnayake, A. Wickramasinghe, A. Agalgaonkar and S. Perera, “Potential Power Quality Impacts on LV Distribution Networks With High Penetration Levels of Solar PV,” in *2018 18th International Conference on Harmonics and Quality of Power (ICHQP)*, Ljubljana, Slovenia, 2018.
- [14] M. Farhoodnea, A. Mohamed, H. Shareef and H. Zayandehroodi, “Power Quality Analysis of Grid-Connected Photovoltaic System in Distribution Network,” *Przeglad Elektrotechniczny*, no. 89, pp. 208-213, 2013.
- [15] M. M. Navarro and B. B. Navarro, “A comprehensive solar PV hosting capacity in MV and LV radial distribution networks,” in *2017 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe)* , Torino, Italy , 2017.
- [16] G. W. Chang and N. C. Tang , in *2018 18th International Conference on Harmonics and Quality of Power (ICHQP)* , Ljubljana, Slovenia , A stochastic approach for determining PV hosting capacity of a distribution feeder considering voltage quality constraints .
- [17] D. Chathurangi, U. Jayatunga, S. Perera, A. Agalgaonkar, T. Siyambalapitiya and A. Wickramasinghe, “Connection of Solar PV to LV Networks: Considerations for Maximum Penetration Level,” in *Australasian Universities Power Engineering Conference (AUPEC 2018)*, Auckland, New Zealand, 2018.
- [18] R. Barr , A. Kalam and P. K.C. Wong , “Modelling and analysis of practical options to improve the hosting capacity of low voltage networks for embedded

photo-voltaic generation,” *IET Renewable Power Generation* , vol. 11, no. 5, pp. 625-632, 2017.

- [19] N. Blair, N. DiOrio, J. Freeman, P. Gilman, S. Janzou, T. Neises and M. Wagner, “System Advisor Model (SAM) General Description (Version 2017.9.5),” National Renewable Energy Laboratory, Golden, CO, 2018.
- [20] D. Renné,, R. George, B. Marion and D. Heimiller, “Solar Resource Assessment for Sri Lanka and Maldives,” National Renewable Energy Laboratory, Golden, Colorado, 2003.
- [21] R. Wijekoon, D. Hapuarachchi and B. Samarasekara, “Evaluation of Variability Characteristics of Distributed Solar PV Production from Grid Integration Perspectives,” *Transaction 2018 Part B Technical Papers*, pp. 415-422, 2018.
- [22] K. Ahmed Qaid , N. Bin Salim , C. Kim Gan and K. Ahmed Qaid , “Impacts of large-scale solar photovoltaic generation on power system frequency response,” in *5th IET International Conference on Clean Energy and Technology (CEAT2018)* , Kuala Lumpur, Malaysia, 2018.
- [23] X. Wang and M. Yue , “Assessing cloud transient impacts on grid with solar and battery energy systems,” in *2013 IEEE 39th Photovoltaic Specialists Conference (PVSC)* , Tampa, FL, USA, 2013.