

## References

1. Renewables 2019 Market analysis and forecast from 2019-2024, International Energy Agency, February 2020 [Online] Available : <https://www.iea.org/>
2. CEB Guide for grid interconnection of embedded generators, Sri Lanka, Part-2, pp.19 , December 2000
3. Luis(Nando) Ochoa, “probabilistic impact assessment of low carbon technologies in LV distribution systems”, *IEEE transactions on power systems*, May 2016
4. Pierluigi Mancarella, Luis F. Ochoa, “Low-Carbon LV Networks: Challenges for Planning and Operation”, *PESGM*, July 2012
5. W. K. V. Chan, A. D’Ambrogio, G. Zacharewicz, N. Mustafee, G. Wainer, and E. Page, “Adaptive monte carlo sampling gradient method for optimization”, *IEEE, Simulation Conference (WSC)*, 2017 Winter
6. H.P.P Amarasinghe, “Feasibility study on distribution transformer based urban grid connected energy islands with distributed generation”, MSc dissertation, Dept. of Electrical Eng, University of Moratuwa, Chapter 5 , January 2018
7. Jeremy D. Watson, Neville R. Watson, David Santos-Martin, Alan R. Wood1, Scott Lemon, Allan J.V. Miller, “Impact of solar Photovoltaics on the low-voltage distribution network in New Zealand”, *IET Generation, Transmission & Distribution*, pp.8 , August 2015
8. D. Chathurangi, U. Jayatunga, M. Rathnayake, A. Wickramasinghe, A. Agalgaonkar, S. Perera, “Potential power quality impacts on LV distribution networks with high penetration levels of solar PV”, *18th International Conference on Harmonics and Quality of Power (ICHQP)*, pp. 2-6, May 2018
9. D Chathurangi, U Jayatunga, S Perera, A Agalgaonkar, “Evaluation of Maximum Solar PV Penetration: Deterministic Approach for Over Voltage Curtailments”, *IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe)*, 29 Sept. -2 Oct. 2019
10. D. Falabretti, M. Merlo and M. Delfanti, “Network reconfiguration and storage systems for the hosting capacity improvement,” *22nd International Conference and Exhibition on Electricity Distribution*, Stockholm, pp.4 , June 2013

11. J. Seuss, M. J. Reno, R. J. Broderick and S. Grijalva, "Improving distribution network PV hosting capacity via smart inverter reactive power support" *IEEE Power and Energy Society General Meeting*, Denver, October 2015
12. A.R. Malekpour, A. Pahwa and S. Das, "Inverter-based Var Control in Low Voltage Distribution Systems with Rooftop Solar PV," *IEEE North American Power Symposium*, September 2013.
13. Electricity Act No.20 of 2009, Sri Lanka, April 2009
14. LECO GIS data and LECO billing database