

## REFERENCE LIST

- [1] “Final Transmission plan for printing”.
- [2] “Quarter 01 JAN 2024 MAR 2024 Introduction.”
- [3] “LONG TERM GENERATION EXPANSION PLAN,” 2023.
- [4] “Floating solar projects opened in Sri Lanka.” [Online]. Available: <https://www.sundayobserver.lk/2024/12/01/business/38969/floating-solar-projects-opened-in-sri-lanka/>
- [5] M. McWilliams, “Floating Solar Energy Review Sri Lanka Phase B Study: Multi-criteria Analysis Main Report McWILLIAMS energy Floating Solar Energy Review Phase B Study: Multi-criteria Analysis Final Rev0 Separately Volumes Annex A: Scheme Characteristics for Each Site Annex B: PV Assessment for Each Site,” 2021.
- [6] M. A. R. Miah, S. R. Rahman, and R. Kabir, “Techno-economic analysis of floating solar PV integrating with hydropower plant in Bangladesh,” in *IEEE Green Technologies Conference*, IEEE Computer Society, Apr. 2021, pp. 30–36. doi: 10.1109/GreenTech48523.2021.00016.
- [7] “Powering Sri Lanka through renewables: The floating solar opportunity,” 2021.
- [8] A. H. Fathima and K. Palanisamy, “Optimization in microgrids with hybrid energy systems - A review,” 2015, *Elsevier Ltd*. doi: 10.1016/j.rser.2015.01.059.
- [9] M. K. Deshmukh and S. S. Deshmukh, “Modeling of hybrid renewable energy systems,” Jan. 2008. doi: 10.1016/j.rser.2006.07.011.
- [10] M. Shabani and J. Mahmoudimehr, “Techno-economic role of PV tracking technology in a hybrid PV-hydroelectric standalone power system,” *Appl Energy*, vol. 212, pp. 84–108, Feb. 2018, doi: 10.1016/j.apenergy.2017.12.030.
- [11] Y. An, W. Fang, B. Ming, and Q. Huang, “Theories and methodology of complementary hydro/photovoltaic operation: Applications to short-term scheduling,” *Journal of Renewable and Sustainable Energy*, vol. 7, no. 6, Nov. 2015, doi: 10.1063/1.4939056.
- [12] R. Cazzaniga, M. Rosa-Clot, P. Rosa-Clot, and G. M. Tina, “Integration of PV floating with hydroelectric power plants,” Jun. 01, 2019, *Elsevier Ltd*. doi: 10.1016/j.heliyon.2019.e01918.
- [13] W. Fang, Q. Huang, S. Huang, J. Yang, E. Meng, and Y. Li, “Optimal sizing of utility-scale photovoltaic power generation complementarily operating with hydropower: A case study of the world’s largest hydro-photovoltaic plant,” *Energy Convers Manag*, vol. 136, pp. 161–172, 2017, doi: 10.1016/j.enconman.2017.01.012.

- [14] S. Eftekharijrad, G. T. Heydt, and V. Vittal, "Optimal Generation Dispatch With High Penetration of Photovoltaic Generation," *IEEE Trans Sustain Energy*, vol. 6, no. 3, pp. 1013–1020, Jul. 2015, doi: 10.1109/TSTE.2014.2327122.
- [15] *2017 IEEE PES PowerAfrica*. IEEE, 2017.
- [16] L. N. Widanagama Arachchige J R Lucas M S Nakandala, "Generation Cost Optimization through a Network Stability Study-Final Report," 2016.
- [17] "2023 tripping".
- [18] "Model Library PSS®E 36.1.0," 2024.
- [19] "Assessment of Sri Lanka's Power Sector."
- [20] "MARKETS MARKETS & POLICY ASIA SRI LANKA." [Online]. Available: [https://www.pv-magazine.com/2023/11/13/sri-lanka-launches-70-mw-ground-mounted-solar-auction/?utm\\_source=chatgpt.com](https://www.pv-magazine.com/2023/11/13/sri-lanka-launches-70-mw-ground-mounted-solar-auction/?utm_source=chatgpt.com)
- [21] I. Renewable Energy Agency, *Renewable power generation costs in 2019*. 2020. [Online]. Available: [www.irena.org](http://www.irena.org)
- [22] "PUBLIC UTILITIES COMMISSION OF SRI LANKA," 2017.
- [23] "Daily Electricity Generation & Cost Estimation Report," 2024.