REFERENCES

- G. Brakmann, R. Aringhoff, M. Geyer and S. Teske. (2005, Sept.).
 Concentrated Solar Thermal Power Now. Greenpeace, ESTIA. [Online].
 Available: https://www.researchgate.net/publication/298944888_
 Concentrated_Solar_Thermal_Power_-_Now/download
- [2] Renewables 2017: Global Status Report. (2017). [Online]. Available: http://www.ren21.net/wp-content/uploads/2017/06/17-8399_GSR_2017_Full _Report_0621_Opt.pdf
- [3] 100% Electricity Generation through Renewable Energy by 2050: Assessment of Sri Lanka's Power Sector. (2017, August). [Online]. Available: https://www.adb.org/sites/default/files/publication/354591/sri-lanka-power-2050v2.pdf
- [4] S. Kuravi, J. Trahan, D.Y. Goswami, M.M. Rahman and E.K. Stefanakos, "Thermal energy storage technologies and systems for concentrating solar power plants," *Progress in Energy and Combustion Science*, vol.39, no. 4, pp 285 - 319, August 2013.
- [5] H. L. Zhang, J. Baeyens, J. Degreve and G. Caceres, "Concentrated solar power plants: Review and design methodology," *Renewable and Sustainable Energy Reviews*, vol. 22, pp. 466-481, June 2013.
- [6] A. Krothapalli and B. Greska, "Concentrated solar thermal power", CSP Chapter 080310, Florida State University. [Online]. Available: https://esc.fsu.edu/documents/CSP/Krothapalli%20Article.pdf
- [7] D. Barlev, R. Vidu and P. Stroeve, "Innovation in concentrated solar power," *Solar Energy Materials and Solar Cells*, vol. 95, no. 10, pp 2703-2725, October 2011.
- [8] A. Ummadisingu and M.S. Soni, "Concentrating solar power Technology, potential and policy in India," *Renewable and Sustainable Energy Reviews*, vol. 15, no. 9, pp 5169-5175, December 2011.

- [9] S. A. Kalogirou, "Solar thermal collectors and applications," Progress in Energy and Combustion Science, vol. 30, no. 3, pp 231-295, 2004.
- [10] J.D. Nixon, P.K. Dey and P.A. Davies, "Which is the best solar thermal collection technology for electricity generation in north- west India? Evaluation of options using the analytical hierarchy process," *Energy*, vol. 35, no. 12, pp 5230-5240, December 2010.
- P. Heller et al., "Test and evaluation of solar powered gas turbine system," *Solar Energy*, vol. 80, no. 10, pp 1225 – 1230, October 2006.
- [12] G. Morin, J. Dersch, W. Platzer, M. Eck and A. Haberle, "Comparison of Linear Fresnel and Parabolic Trough Collector power plants," *Solar Energy*, vol. 86, no. 1, pp 1-12, January 2012.
- [13] J. Schlaich, R. Bergermann, W. Schiel and G. Weinrebe, "Design of commercial solar updraft tower systems – Utilization of solar induced convective flows for power generation," *Journal of Solar Energy Engineering*, vol. 127, no. 1, pp. 117-124, February 2005.
- [14] V. Quaschning, "Technical and economical system comparison of photovoltaic and concentrating solar thermal power systems depending on annual global irradiation," *Solar Energy*, vol. 77, no. 2, pp 171-178, 2004.
- [15] L. Heller. (2013, May). Literature review on heat transfer fluids and thermal energy storage systems in CSP plants. STERG report. [Online]. Available: https://sterg.sun.ac.za/wp-content/uploads/2011/08/HTF_TESmed_Review_ 2013_05_311.pdf
- [16] SAM help. [Online]. Available: https://sam.nrel.gov/download
- [17] IRENA. (2018). Renewable power generation costs in 2017. International Renewable Energy Agency. [Online]. Available: https://www.irena.org/-/media/Files/IRENA/.../IRENA_2017_Power_Costs_2018.pdf

- [18] IEA-ETSAP and IRENA. (2013, Jan.). Concentrating solar power: Technology brief. [Online]. Available: https://www.irena.org/publications/2013/Jan/ IRENA-IEA-ETSAP-Technology-Briefs
- [19] IRENA. (2012, June). Concentrating solar power Renewable energy technologies: cost analysis series, International Renewable Energy Agency.
 [Online]. Available: https://www.irena.org/documentdownloads/.../re_technologies_cost_analysis-csp.pdf
- [20] C. K. Ho. (2008, Dec.). Software and codes for analysis of concentrating solar power technologies. SANIDA report, SAND 2008-8053. [Online]. Available: https://prod.sandia.gov/techlib-noauth/access-control.cgi/2008/088053.pdf
- [21] A. Dobos, T. Neises, M. Wagner, "Advances in CSP simulation technology in the System Advisor Model," *Energy Procedia*, vol. 49, pp 2482 – 2489, 2014.
- [22] N. Blair, A. P. Dobos, J. Freeeman, T. Neises and M. Wagner, "System Advisor Model, SAM 2014.1.14: General Description," National Renewable Energy Laboratory, Tech. Rep. NREL/TP-6A20-61019, February 2014.
- [23] D. Renne, R. George, B. Marion, D. Heimiller and C. Heimiller, "Solar Resource Assessment for Sri Lanka and Maldives," National Renewable Energy Laboratory, Tech. Rep. NREL/TP-710-34645, August 2003.
- [24] C. Schillings, R. Meyer and F. Trieb, "High Resolution Solar Radiation Assessment for Sri Lanka," Solar and Wind Energy Resource Assessment, October 2004.
- [25] http://solargis.infohttps://encrypted-tbn0.gstatic.com/images
- [26] J. A. Duffie and W. A. Beckman, "Concentrating Collectors" in Solar Engineering of Thermal Processes, 4th ed., John Wiley and Sons, Inc., pp. 323-325
- [27] A. Rabl, "Comparison of solar concentrators", *Solar Energy*, vol. 18, no. 2, pp. 93 -111, 1976.

- [28] W. Short, D. J. Packey and T. Holt, "A Manual for the Economic Evaluation of Energy Efficiency and Renewable Energy Technologies," National Renewable Energy Laboratory, Tech. Rep. NREL/TP-462-5173, March 1995.
- [29] C. Breyer et al. Assessment of Mid-Term Growth Assumptions and Learning Rates for Comparative Studies of CSP and Hybrid PV-Battery Power Plants. presented at Solar Paces 2016. [Online]. Available: https://aip.scitation.org /toc/apc/1850/1
- [30] DNI Cast, Deliverable 5.5, Direct Normal Irradiance Nowcasting methods for optimized operation of concentrating solar technologies, Online. [Available]: http://www.sidosoft.com/dnicast/www/documents/D5.5%20Report%20of%2 Obest%20practice%20guideline%20for%20DNI%20nowcasting.pdf
- [31] R. Fu, D. Feldman, R. Margolis, M. Woodhouse and K. Ardani, U.S. Solar Photovoltaic System Cost Benchmark: Q1 2017, National Renewable Energy Laboratory.
- [32] D. Kearney et al. (2002, April). Assessment of a molten salt heat transfer fluid in a parabolic trough solar field. Online. [Available]: http://pointfocus.com/images/pdfs/saltw-troughs.pdf
- [33] D. Mills, "Advances in solar thermal electricity technology," *Solar Energy*, vol. 76, no. 1-3, pp. 19-31, January March 2004.
- [34] J.I. Ortega, J.I. Burgaleta and F.M. Tellez, "Central receiver system solar power plant using molten salt as heat transfer fluid," *Journal of Solar Energy Engineering*, vol. 130, no. 2, May 2008.
- [35] M.J. Montes, A. Abanades and J.M. Martinez-Val, "Performance of a direct steam generation of solar thermal power plant for electricity production as a function of the solar multiple," *Solar Energy*, vol. 83, no. 5, pp. 679–689, May 2009.

- [36] S. Beerbaum and G. Weinrebe, "Solar thermal power generation in India a techno-economic analysis," *Renewable Energy*, vol. 21, no. 2, pp. 153-174, October 2000.
- [37] E. Hu, Y.P. Yang, A. Nishimura, F. Yilmaz and A. Kouzani, "Solar thermal aided power generation," *Applied Energy*, vol. 87, no. 9, pp. 2881-2885, September 2010.
- [38] D. M. Blake et al., "New heat transfer fluids for parabolic trough solar thermal electric plants," in *Proceedings of the 11th SolarPACES International Symposium on Concentrating Solar Power and Chemical Energy Technologies*, September 4-6, 2002, Zurich, Switzerland.
- [39] A.S. Withanaarchchi, L.D.J.F. Nanayakkara and C. Pushpakumara, "The progress of Sri Lanka's renewable energy sector developments in mitigating the GHG emission," *Energy and Environmental Engineering 2*, pp. 113-119, January 2014.
- [40] Concentrator Optics. Chapter 8. [Online]. Available: http://www.powerfromthesun.net/Book/chapter08/chapter08.html