


## PROJECT FACTSHEET

Project Title	Guyana Energy Agency (GEA) photovoltaic (PV) System		
Short description	Procurement and installation of a 8.5 kWp grid-connected photovoltaic (PV) system		
Project Partner	Guyana Energy Agency (GEA)		
Address	295 Quamina Street, South Cummingsburg Georgetown, Guyana		
Contact Person	Dr. Mahender Sharma, Email: mahender.sharma@hotmail.com		
Project country	Guyana		
Implementation Date	April 2012		
Total Cost	US\$ 37,272	ADC Financing	US\$ 37,272
Funding agencies	Austrian Development Cooperation (ADC), implemented through the German Government funded CREDP-GIZ		
Equipment procured	8.46 kWp PV system consisting of 36 x 235 Wp Kyocera PV panels, mounting structure, two Schneider Electric Conext grid-tie solar inverters rated at 3800 Watts, cabling and miscellaneous; 1 x web box and 1 x TV-style display board.		
Project Objective	To explore the opportunities and gain experience related to the operation of grid-tied PV systems in Guyana. The installed system is the first grid-tied PV system in Guyana's coastal electricity system.		
Project context	Since September 2011, the GEA commenced dialogue with the following stakeholders on the grid-tie system: Guyana Power and Light Inc.; Public Utilities Commission; Government Electrical Inspectorate; Office of the Prime Minister-Hinterland Electrification Unit; Environmental Protection Agency; and University of Guyana, Faculty of Technology. The installation of this system serves to promote the use of renewable energy in Guyana; to gain understanding of grid-tie PV systems; and to demonstrate the application of PV grid-tie technology. For this reason, in addition to the PV system itself, a public TV display is used to show the actual state of operation of the PV system. The PV system was installed on the container shed in close proximity to the GEA main office building in Georgetown with the information display and the inverters and switches facing the road, which gives high visibility of the system to visitors.		
Further information	<a href="http://www.gea.gov.gy">http:// www.gea.gov.gy</a>		
Photos	