



Bangladesh: Spectra Solar Power Project

Project Name	Spectra Solar Power Project		
Project Number	52362-001		
Borrower/Company	Shunfeng Investments Limited Spectra Engineers Limited Spectra Solar Park Limited		
Country	Bangladesh		
Location			
Approval Number			
Type of ADB Assistance / Amount	Ordinary capital resources	USD 15.00 million	Proposed
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth		
Drivers of Change	Gender Equity and Mainstreaming Partnerships Private sector development		
Sector / Subsector	Energy - Renewable energy generation - solar		
Gender Equity and Mainstreaming	Effective gender mainstreaming		
Responsible ADB Department	Private Sector Operations Department		
Responsible ADB Division	Infrastructure Finance Division 1		
Responsible ADB Officer	Tang, Sonali		
Project Sponsor(s)	Shunfeng Investments Limited Spectra Engineers Limited		
Description	The project consists of a 35-megawatt (net) grid connected solar power plant in Paturia, Shibalo, Manikgonj, located approximately 85 kilometers west of Dhaka. The project site includes 141 acres of land, all of which has been purchased and is now owned by the project company, Spectra Solar Park Limited (SSPL). Project facilities include: ground-mounted solar PV panels and associated electrical equipment; and an approximately 7 km interconnection transmission line to the nearest substation. Spectra Engineers Limited and Shunfeng Investments Limited are the Sponsors for SSPL. SSPL is the borrower for the loan and will build, own, and operate the project. The project Power Purchase Agreement was signed with Bangladesh Power Development Board in 2018.		
Objectives and Scope	Bangladesh aims to increase the share of renewable energy in the total generation capacity to 10% by 2021. However, the renewable energy initiatives have faced challenges in their implementation. This project is expected to establish bankable precedents intended to catalyze further private sector participation in Bangladesh's renewable energy sector.		
Linkage to Country/Regional Strategy	The project is consistent with ADB's Strategy 2030, which includes tackling climate change and enhancing environmental sustainability as key operational priorities. The project is also consistent with the Bangladesh Country Partnership Strategy 2016- 2020, as the project will help foster reliable energy supply to improve energy security and promote the use of renewable energy sources. ADB seeks to create conditions for greater private sector participation in Bangladesh and has supported private sector investment in power generation.		
Safeguard Categories			
Environment			B
Involuntary Resettlement			C
Indigenous Peoples			C
Summary of Environmental and Social Aspects			
Environmental Aspects	An international third-party consultant was engaged to undertake an environment and social impact assessment (ESIA) and conduct an environment and social compliance audit of the early works on the site. The ESIA confirmed that the site is not located in any eco-sensitive zone/area. Similarly, there are no sensitive receptors which have significant environmental value in the project impact area. The alternative assessment in the ESIA affirms the suitability of the site for solar project development.		
Involuntary Resettlement	Land has been directly purchased through negotiated settlement with individual landowners. This land is low lying and sandy and remains submerged for 4-5 months in a year. It was not reported to have significant agricultural value or livelihood dependence. Land purchase for the project did not result in physical displacement of any person/household. In addition, easement rights for the transmission line have been received through payment of a one-time negotiated amount.		
Indigenous Peoples	The project and its associated facilities are not located on indigenous peoples' lands/area and no impacts on indigenous people are envisaged.		
Stakeholder Communication, Participation, and Consultation	The project has engaged with different stakeholders including nearby communities on a range of issues, including land and community development planning. During the environment and social impact assessment process, consultations were conducted with a range of stakeholders. The assessment has reported community support for the project. The stakeholder engagement plan will be developed and implemented for the project going forward.		
Timetable for assistance design, processing and implementation			
Concept Clearance			31 Jan 2019
Due Diligence			

Credit Committee Meeting	-
Approval	18 Jul 2019
Last PDS Update	05 Jul 2019

Project Page	https://www.adb.org/projects/52362-001/main
Request for Information	http://www.adb.org/forms/request-information-form?subject=52362-001
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