

ASIAN DEVELOPMENT BANK 2009 CLEAN ENERGY INVESTMENTS (as of March 31, 2009)

ADB Total Loan/Investment (\$ million) = 551.3
ADB Total Clean Energy Investment (\$ million) = 478.6

PRIVATE SECTOR INVESTMENTS

Loan No.	Country	Project Name	Project Description	Loan /Investment (\$million)	% CE Component	CE Investment (\$million)	Board Approval Date
RENEWABLE ENERGY							
7291/2505	PRC	Sanchuan Clean Energy Development Co. Ltd. (Small Hydropower Development Project)	The project supports Sanchuan's expansion and capital expenditure plan to build, rehabilitate, expand, upgrade, privatized and/or operate small hydropower plants, most of which are in relatively underdeveloped central and western regions of PRC.	83.572	100%	83.572	13-Jan-09
7290/2504	THA	Biomass Co. (Biomass Power Project)	Construction and operation of a 125 MW biomass power plant using wood waste products as fuel. The project will save about 4 million tons of CO2 during the first 10 years of operations.	76.8	100%	76.75	13-Jan-2009
DEMAND SIDE ENERGY EFFICIENCY							
NONE							
SUPPLY SIDE ENERGY EFFICIENCY							
NONE							
OTHER							
NONE							
Sub Total				160.3		160.3	
LARGE HYDROPOWER							
NONE							
EFFICIENCY IN FOSSIL FUELS							
NONE							
Private Sector Total				160.3		160.3	

PUBLIC SECTOR INVESTMENTS

Loan No.	Country	Project Name	Project Description	Loan /Investment (\$million)	% CE Component	CE Investment (\$million)	Board Approval Date
RENEWABLE ENERGY							
2513	VIE	Quality & Safety Enhancement of Agricultural Products and Biogas Development Project	The biogas development, one of the four components of the project, is expected to result in improved safety and reduced health hazards from livestock wastes for the small livestock farmers. It is estimated that the proposed biogas development operation will reduce carbon dioxide emissions by an equivalent of about 40,000–60,000 tons per annum.	95.0	23%	22.3	18-Mar-2009
2510	IND	National Power Grid Development Investment Program-Project 2	Project 2: ±800kV High Voltage Direct Current Northeastern–Northern/Western Interconnector. This project aims to deliver bulk power generated from hydropower stations in the northeastern region to the power-deficit areas of the northern and western regions through construction of about 1,800 km of ±800 kV HVDC transmission systems from Biswanath Chariyal to Agra, including 800 kV converting and inverting stations at both ends, and construction of 400 kV connecting transmission lines at Biswanath Chariyal for transfer of power from various power plants in the northeastern region. ADB funding is proposed for the ±800 kV HVDC transmission lines only. ADB estimates that hydropower plants associated with Project 2 will offset more than 551 million tons (t) of CO2 equivalent.	200	100%	200	3-Mar-09
7297/2512	PRC	Cecic Hke Wind Power Co. Ltd. (Zhangbie Wind Power Project)*	The Project involves constructing and operating a 100.5 MW (67 units of 1.5 MW each) wind power generation facility.	34.3	100%	34.3	10-Mar-2009
DEMAND SIDE ENERGY EFFICIENCY							
2507	PHI	Philippine Energy Efficiency	The Project will (i) retrofit about 40 government-owned office buildings with efficient lighting; (ii) procure 13 million compact fluorescent lamps (CFLs) for distribution to residential and other customers to reduce peak power demand; (iii) introduce energyefficient lamps for public lighting; (iv) set up a laboratory for testing energy-efficient appliances and a lamp waste management facility; (v) establish a super energy service company (ESCO) to support ESCO development; (vi) promote an efficient-building initiative; and (vii) develop and implement a communication and social mobilization program. The project will save about 534 Gwh per year and reduce CO2 emissions by 300,000 tons/year	31.1	100%	31.1	29-Jan-2009
2502	IND	Uttarakhand Power Sector Investment Program-Project 3	The transmission line and substation to be constructed under project 3 will evacuate power solely from Loharinangpala hydro power station (600 MW) on the river Bhagirathi.	30.6	100%	30.6	8-Jan-2009
SUPPLY SIDE ENERGY EFFICIENCY							
NONE							
Sub Total				391.0		318.3	
LARGE HYDROPOWER							
NONE							
EFFICIENCY IN FOSSIL FUELS							
NONE							
Public Sector Total				391.0		318.3	

*Nonsovereign Public Sector Loan