

PRIVATE SECTOR INITIATED POWER PROJECTS (MINDANAO)

COMMITTED

As of 15 February 2016

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
	COAL			1,610.00			
Committed	2 X 100 MW Southern Mindanao Coal Fired Power Station	Sarangani Energy Corporation	Brgy. Kamanga, Maasim, Sarangani	200	<p>FEASIBILITY STUDY: Completed;</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:On-going processing of the land conversion from agricultural lands where the plant is located to industrial use as declared by the Municipality of Maasim: Out of 28 hectares occupied by the power plant, 19 hectares were already converted and the balance of 9 hectares (for coal conveying system and ash ponds) is undergoing the process of conversion with DAR and other government entities;</p> <p>MARKETING OF GENERATING CAPACITIES: Power Sales Agreement for 105MW between Sarangani Energy Corporation and South Cotabato II is 70MW (SOCOTECO II), Davao del Norte is 15MW (DANECO), Agusan del Norte is 10MW (ANECO), and Agusan del Sur is 10MW (ASELCO) was executed 2011-2012; Please note that except for SOCOTECO1, all these offtakers will be supplied by Phase 1 of the SEC project in Maasim, Sarangani. Hence, Phase 1 is already fully contracted. SOCOTECO II Power Sales Agreement already has ERC final approval while those of ASELCO and ANECO have provisional approvals. Still working on DANECO; SOCOTECO1 on the other hand will be supplied by Phase 2 of SEC;</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: ECC issued on April 2009;</p> <p>GROUND BREAKING SCHEDULES:</p> <p>FINANCING ARRANGEMENTS:-Financial Arrangement Secured on 12 December 2012;</p> <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: EPC Contract between Owner and Daelim Philippines, Inc. executed on 30 March 2011; -Notice to Proceed to EPC Contractor issued on 28 December 2012; SEC has complete and full support of its subsidiary companies, Conal Holdings Corporaion (CHC) and Alsons Consolidated Resources(ACR);</p> <p>COMMENCEMENT OF CONSTRUCTION:On-going Civil Works;</p> <p>PROJECT COST:\$450M;</p>	<p>Phase 1 - January 2016 (100MW) - on-going testing and commissioning</p> <p>Phase 2 - TBD (100MW)</p>	<p>Phase 1 - February 2016</p> <p>Phase II - TBD</p>
Indicative	300 MW SMC Davao Power Plant Project Phase I 1x150MW Phase II 1x150MW	San Miguel Consolidated Power Corporation	Brgy. Culaman, Malita, Davao del Sur	300	<p>FEASIBILITY STUDY: Completed;</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND: Land acquisition completed;</p> <p>MARKETING OF GENERATING CAPACITIES: On-going electric power supply contract negotiation with prospective off-takers;</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: Environmental Impact Assessment completed; Topographic and Hydrographic completed;Soil Investigation completed; Clearance to Undertake GIS from DOE issued on 29 August 2011;GIS/SIS already submitted to NGCP for review; NGCP returned the report to SMC GPHC with comments;-Facility Study Status- Final report submitted last 27 Dec. 2013; Results are being used by NGCP for pre-construction works while SMC GPHC for right-of-way; SEC issued last 26 August 2011; ECC issued in June 2013;</p> <p>GROUND BREAKING SCHEDULES:Groundbreaking held last 15 July 2013;</p> <p>FINANCING ARRANGEMENTS:Financial Arrangement Secured from various banks on 12 May 2014;</p> <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: EPC Contract executed on January 2013 and already awarded; Construction of the Project has been underway since August 2013: Contracts for relative Works (Site Development, Pier and Jetty, Ship Unloader, Coal Conveying System already awarded)</p> <p>COMMENCEMENT OF CONSTRUCTION: On-going civil works construction/installation; Target Completion Date of Transmission Connection on March 2016;</p> <p>PROJECT COST:\$630M / Php25.8B</p>	<p>Unit 1 - May 2016</p> <p>Unit 2 -May 2016 *Note: remaining 900 MW still understudy</p>	<p>Unit 1 - June 2016</p> <p>Unit 2 -June 2016 (subject for validation with EPC Contractor)</p>
Committed	3 X 135 MW FDC-Misamis Circulating Fluidized Bed (CFB) Coal-Fired Power Plant Project	FDC Utilities, Inc.	Phividec Industrial Estate, Villanueva, Misamis Oriental	405	<p>FEASIBILITY STUDY: Project information Memorandum Completed</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND: Land acquisition completed (Leased Contract with PHIVIDEC Industrial Authority</p> <p>MARKETING OF GENERATING CAPACITIES: Contracted approximately 88% of the total net output of the 3 units of the project; Assumed Total Rated Output less Station-Use at 11% and Outage Allowance: 320MW; Ongoing electric power purchase agreement negotiation with offtakers for the remaining capacity for the 3rd unit; MORESCO II - 25MW, MOELCI II-25MW, FIBECO-35MW; SOCOTECO I - 10MW;DASURECO-12MW, MORESCO I - 22MW, ANECO - 12MW, LANECO - 10MW, MOELCI I - 16MW, CAMELCO-4MW, SURNECO - 13MW, DORECO-6MW, SURSECO II - 10MW, DANECO - 15MW, BUSECO - 8MW, SOCOTECO II - 45MW, MCCI - 10 MW, COTELCO - 5 MW (TOTAL CONTRACTED CAPACITY -283MW)</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: Secured Clearance from DOE for the conduct of GIS on 12 September 2011;Grid Impact Study (GIS) Review by NGCP completed;ECC for power plant issued on May 2013;ECC for transmission line was issued on August 2013;NWRB water permit for Tagoloan issued on September 2013; NWRB conditional water permit for cooling water at Macajalar Bay was issued;NCIP Certificate of Non-Overlap issued on February 2014;LGU endorsements from concerned provincial, municipality and barangays;Registered with the Board of Investments on August 2013;Secured Locational Clearance from Villanueva;Negotiation for Foreshore Lease was completed;Right of Entry Permit was secured from Phividec;Right-of-Way clearance and acquisition are for issuance;</p> <p>GROUND BREAKING SCHEDULES: Groundbreaking ceremony was held in November 2013</p> <p>FINANCING ARRANGEMENTS: Financial Arrangement Secured on 27 December 2013 with various Banks for phase I (Units 1 and 2) and phase II (Unit 3) of the project;</p> <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: Contract for Engineering, Procurement and Construction (EPC) was awarded in September 2013;Tendering process of the first and most of second batch auxiliary equipment has been completed;</p> <p>COMMENCEMENT OF CONSTRUCTION:Ongoing construction works; Structural works and electro-mechanical equipment installation ongoing;Finished construction of Transmission Line; Energized the Transmission Line</p> <p>PROJECT COST: Php 30.019B;</p>	<p>1st Unit -May 2016</p> <p>2nd Unit - September 2016</p> <p>3rd Unit-December 2016</p>	<p>1st Unit - June 2016</p> <p>2nd Unit - September 2016</p> <p>3rd Unit-December 2016</p>

Committed	3x55 MW Balingasag Thermal Power Plant (Circulating Fluidized Bed Combustion (CFBC) Coal-Fired Power Plant)	Minergy Coal Corporation	Brgy. Mandangao, Balingasag, Misamis Oriental	165	<p>FEASIBILITY STUDY: Conducted Feasibility study from February to September 2013;</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND: Land acquisition completed at Brgy. Mandangao Balingasag, Misamis Oriental; Processing land titling on the acquired lots</p> <p>MARKETING OF GENERATING CAPACITIES: Provisional Approval was issued on September 2013 for PSA between the Owner and CEPALCO (embedded via double ckt 138 kV line);</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: SEC Registered on February 2013;Certificate of Endorsement (No. 2013-07-007) issued on 1 August 2013;Issued the following regulatory: Business Permit/Mayor;s permit - 16 January 2013;SEC Certificate of Incorporation-18 February 2013;DOE Certificate of Endorsement for ERC (No. 2013-07-007)-1 August 2013;DPWH Excavation Permit-3 September 2013;Balingasag SB Endorsement-7 October 2013;Building permit (Access Road)-13 November 2013;Permit to cut coconut trees-17 November 2013;DENR-ECC- 17 November 2013;Zoning certification-25 November 2013;BOI Registration-4 December 2013;Barangay Clearance-15 January 2014;Mayor's Permit-16 January 2014;BOC COR & Certification of Accreditation - 6 February 2014;Building Permit (Power Plant)-19 June 2014;Locational Clearance - 1 July 2014;PPA Permit to construct private port facility-16 September 2014; Plumbing permit/Sanitary permit (power plant)-2014; ECC issued on 17 November 2013;</p> <p>GROUND BREAKING SCHEDULES:</p> <p>FINANCING ARRANGEMENTS: Financial arrangement Secured from various banks (2x55MW secured on 22 January 2014, Additional 1x55MW secured on 26 May 2014;</p> <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:EPC contract was signed on September 2013 for 2x55MW (Supplemental Agreement to EPC Contract signed on 10 March 2014 for 1x55MW (NTP for 2x55MW on 30 Jan 2014,NTP for 1x55MW on 29 May 2014);Site Evaluation completed on 14 August 2002;Main EPC Contractor: Mitsubishi Corporation; Main Sub-contractor: Toshiba Plants Systemes * Services Corp. (TPSC);</p> <p>COMMENCEMENT OF CONSTRUCTION: On-going construction;</p> <p>PROJECT COST:P23.9B</p>	<p>Unit 1: July 2016</p> <p>Unit 2: September 2016</p> <p>Unit 3: November 2016</p>	<p>Unit 1: January 2017</p> <p>Unit 2: March 2017</p> <p>Unit 3: May 2017</p>
Committed	GNPower Kauswagan Ltd. 540MW Clean Coal-Fired Power Plant	GN Power Kauswagan Ltd. Co.	Kauswagan, Lanao del Norte	540	<p>FEASIBILITY STUDY: Completed;</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND: GNPK and the land owners of the Project site are in the final stages of satisfying their respective obligations under the land purchase agreements;</p> <p>MARKETING OF GENERATING CAPACITIES: Provisional Authority dated 28 April 2014 was issued for the approval of the Power Purchase and Sale Agreement among GN Power, AMRECO PSAG Corp. and 20 participating ECs; 330MW sold to ECs arranged by AMRECO PSAG;GNPK is currently negotiating with other ECs as well as non-DU customers for sale of additional capacity; received provisional authority from the ERC for all 20 participating ECs;</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: ECC issued on 14 March 2014; A multipartite monitoring team is being established pursuant to the ECC; Clearance to Undertake GIS from DOE issued on 28 June 2013; NGCP has completed the System Impact Study for 4x150MW (gross capacity); Facility study to be performed next; Granted LGU Endorsement; Permits and Other Regulatory Requirements: All permits obtained under the name of of GNPower Ltd. Co (Permits assigned from GNPower Ltd.Co. to GNPower Kauswagan Ltd.Co., DENR Environmental Compliance Certificate, CAAP Height Clearance,DOE Clearance to undertake SIS for 3x125MW, DOE Certificate of Endorsement for NCIP Application for Certificate of Non-Overlap, Mindanao Development Authority Endorsement, LGU Endorsements); Other permits obtained for the project: Clearance to Develop Port Facility;Permit to Drill) were transferred and assigned to the Project Company, GN Power Kauswagan Ltd. Co. by virtue of a Project Assignment/Agreement;</p> <p>FINANCING ARRANGEMENTS:Financial Arrangement Secured on 28 May 2014; Commitments from several lenders have been obtained and signed 23 December 2014;</p> <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: EPC contract was signed on 15 May 2014; Construction Contracts for Plant and Equipment: Significant pre-Notice to proceed activities are being done by the EPC contractor at the site in China;</p> <p>COMMENCEMENT OF CONSTRUCTION: NTP issued to the EPC contractor on November 2014;On-going construction; Construction of temporary facilities, housing facilities and foundation design validation activities are on-going;</p> <p>PROJECT COST:US\$740 Million</p>	December 2017	March 2018
OIL				16.70			
Committed	4.8 MW Fuel Power Plant Project	Bukidnon Power Corporation	Barangay Barandias, Municipality of Pangantucan, Province of Bukidnon	4.8	<p>MARKETING OF GENERATING CAPACITIES: Signed Power Supply Agreement with First Bukidnon Electric Cooperative, Inc. (FIBECO) covered areas: Municipality of Maramag, Pangantucan, Kalilangan, Wao;</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: Obtained SEC Endorsement from DOE on 16 September 2014; Secured Environmental Clearance Certificate (ECC) from EMB-DENR as of 8 October 2014;</p> <p>FINANCING ARRANGEMENTS: Financing secured;</p>	January 2016	Operational since 29 Feb 2016
Committed	11.9 MW Koronadal Diesel Power Plant (7 x 1.7MW)	Supreme Power Corporation	Purok Garfin, Barangay Paraiso, Koronadal City+D14:E14	11.9	<p>ARRANGEMENT FOR SECURING THE REQUIRED LAND: In the process of constructing the power plant at the site owned by SOCOTECO 1;</p> <p>MARKETING OF GENERATING CAPACITIES:Entered into an Electricity Supply and Transfer Agreement with South Cotabato I Electric Cooperative Inc. (SOCOTECO I) executed through a 15-year Build-Operate-Transfer contract between the two;</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:Obtained SEC Endorsement from DOE on 18 April 2013;</p> <p>GROUND BREAKING SCHEDULES: Ground breaking was held 8 Jan 2015;</p> <p>FINANCING ARRANGEMENTS: Financing with DBP secured;</p> <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: EPC Bussbar Corporation;</p> <p>COMMENCEMENT OF CONSTRUCTION: Construction started 12 January 2015 by Bussbar Corporation; construction works to be completed in 6 months</p>	September 2015	February 2016
HYDROPOWER				131.80			
Committed	Lake Mainit	Agusan Power Corporation	Jabonga, Agusan del Norte	25.0	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: Clearance to Undertake GIS from DOE issued on 7 October 2012; Submission of lacking requirements e.g. permits in progress.</p> <p>FINANCING ARRANGEMENTS: Financial Arrangement Secured;</p> <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <p>COMMENCEMENT OF CONSTRUCTION: On-going construction;</p>	March 2016	March 2016 (Target Testing and Commissioning)
Committed	Puyo Hydroelectric Power Project	First Gen Mindanao Hydropower Corp.	Jabonga, Agusan del Norte	30	<p>FEASIBILITY STUDY:Also submitted Feasibility Study and 5-Yr Work Plan;</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND: HSC NO. 2009-10-005</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: Issued Confirmation of Commerciality on 12 July 2013; Already secured LGU Endorsements, DENR Certificate of Non-Coverage, NCIP Certificate and NWRB Permit;</p> <p>GROUND BREAKING SCHEDULES: Ground breaking held on 17 April 2013;</p> <p>FINANCING ARRANGEMENTS: Financial Arrangement Secured;</p> <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:EPC for main facilities for tender;</p> <p>COMMENCEMENT OF CONSTRUCTION: Construction on hold as of April 2015 due to security threat in the area; Project implementation on hold due to security threat in the area;</p>	July 2018	July 2018 (Target Testing and Commissioning)

Committed	Asiga	Asiga Green Energy Corp.	Santiago, Agusan del Norte	8.00	PERMITS AND OTHER REGULATORY REQUIREMENTS: Issued Confirmation of Commerciality on 1 August 2014; Submission of lacking requirements e.g. permits in progress; Secured DOE Endorsement to DAR to facilitate the processing of application for Land Use Conversion; GROUNDBREAKING SCHEDULES: Groundbreaking held on 22 April 2015; FINANCING ARRANGEMENTS: Financial Arrangement Secured; CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: COMMENCEMENT OF CONSTRUCTION: On-going construction is 25% as of November 2015;	August 2019	August 2019
Committed	Manolo Fortich 1	Hedcor Bukidnon, Inc.	Santiago, Bukidnon	43.40	PERMITS AND OTHER REGULATORY REQUIREMENTS: On-going Pre-construction activities; Submission of lacking requirements e.g. permits in progress; Secured DOE Endorsement to DAR to facilitate the processing of application for Land Use Conversion; GROUNDBREAKING SCHEDULES: Groundbreaking held on 22 April 2015; FINANCING ARRANGEMENTS: Financial Arrangement Secured; CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: COMMENCEMENT OF CONSTRUCTION: On-going construction is 25% as of November 2015;	October 2019	October 2019
Committed	Manolo Fortich 2	Hedcor Bukidnon, Inc.	Santiago, Bukidnon	25.40	ARRANGEMENT FOR SECURING THE REQUIRED LAND: HSC No. 2013-11-327 PERMITS AND OTHER REGULATORY REQUIREMENTS: On-going Pre-construction activities; Submission of lacking requirements e.g. permits in progress; FINANCING ARRANGEMENTS: Financial Arrangement Secured;	October 2019	October 2019
SOLAR				40.07			
Committed	Kibawe Solar Power Project	Asiga Green Energy Corp.	Brgy. Labuagon, Kibawe, Bukidnon	10.49	ARRANGEMENT FOR SECURING THE REQUIRED LAND: Covered by Solar Energy Services (SESC No. 2014-04-074) on 6 May 2014; PERMITS AND OTHER REGULATORY REQUIREMENTS: Acquired the DOE Certificate of Commerciality on 19 June 2015; FINANCING ARRANGEMENTS: Financial Arrangement Secured;	January 2016	February 2016
Committed	Digos Solar Power Project Phase I	Enfinity Philippines Renewable Resources, Inc.	Brgy. San Roque, Digos City, Davao del Sur	10	ARRANGEMENT FOR SECURING THE REQUIRED LAND: Covered by Solar Energy Services (SESC No. 2015-02-100) on 28 January 2015; PERMITS AND OTHER REGULATORY REQUIREMENTS: Acquired the DOE Certificate of Commerciality on 04 May 2015; FINANCING ARRANGEMENTS: Financial Arrangement Secured;	March 2016	March 2016
Committed	Digos Solar Power Project Phase II	Enfinity Philippines Renewable Resources, Inc.	Brgy. San Roque, Digos City, Davao del Sur	19.58	ARRANGEMENT FOR SECURING THE REQUIRED LAND: Covered by Solar Energy Services (SESC No. 2015-02-100) on 28 January 2015; PERMITS AND OTHER REGULATORY REQUIREMENTS: Acquired the DOE Certificate of Commerciality on 11 June 2015; FINANCING ARRANGEMENTS: Financial Arrangement Secured;	March 2016	March 2016
BIOMASS				55.00			
Committed	3 MW Biomass Cogeneration Facility	Philippine Trade Center, Inc.	Sultan Kudarat, Maguindanao	1.60	PERMITS AND OTHER REGULATORY REQUIREMENTS: Secured Clearance from DOE for the conduct of GIS on 13 March 2014; FINANCING ARRANGEMENTS: Financial Arrangement Secured; COMMENCEMENT OF CONSTRUCTION: Operating for Own-Use;	February 2015 (On-going Testing and Commissioning)	February 2016 (Per REMB, April 2016)
Committed	15 MW LPC Biomass Power Plant Project	Lamsan Power Corporation	Sultan Kudarat, Maguindanao	10.00	FINANCING ARRANGEMENTS: Financial Arrangement Secured; COMMENCEMENT OF CONSTRUCTION: On-going construction;	February 2016	March 2016 (Target Testing & Commissioning)
Committed	3.5 MW Biomass Cogeneration System	Green Earth Enersource Corporation	Maguindanao	2.60	FINANCING ARRANGEMENTS: Financial Arrangement Secured; COMMENCEMENT OF CONSTRUCTION: Operating for Own-Use;	September 2015	May 2016
Committed	10MW Malay-balay Bio-Energy Corporation Multi Feedstock Generating Facility	Malaybalay Bio-Energy Corporation	Bukidnon	9.00	PERMITS AND OTHER REGULATORY REQUIREMENTS: Secured Clearance from DOE for the conduct of GIS on 28 February 2014; FINANCING ARRANGEMENTS: Financial Arrangement Secured; COMMENCEMENT OF CONSTRUCTION: Operating for Own-Use; On-going construction;	December 2017	December 2017
Committed	23.5 MW EPC Woody Biomass Power Plant Project	Eastern Petroleum Corporation	Agusan del Norte	21.00	FINANCING ARRANGEMENTS: Financial Arrangement Secured; COMMENCEMENT OF CONSTRUCTION: For construction;	December 2017	December 2017
Committed	12 MW Napier Grass-Fired Biomass Power Plant Project	Manolo Fortich Biomass Energy Corporation	Bukidnon	10.80	FINANCING ARRANGEMENTS: Financial Arrangement Secured; COMMENCEMENT OF CONSTRUCTION: For construction;	January 2018	January 2018

Total Committed Rated Capacity 1,853.57