

PRIVATE SECTOR INITIATED POWER PROJECTS (MINDANAO)

COMMITTED

As of 30 September 2018

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
	COAL			700			
Committed	GNPower Kauswagan Clean Coal-Fired Power Plant	GN Power Kauswagan Ltd. Co.	Kauswagan, Lanao del Norte	600	<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; -ANECO-25.0MW, ASELCO-17.7MW, BUSECO-18.2MW, CAMELCO-2.7MW, DORECO-7.0MW, DASURECO-34.3MW, FIBECO-21.6MW, LANECO-5.0MW, MOELCI I-6.8MW, MORESCO I-34.1MW, COTELCO-5.0MW, SIARELCO-2.0MW, SOCOTECO I-25.6MW, SUKELCO-14.3MW, SURNECO-23.8MW, SURSECO I-8.4MW, SURSECO II-13.0MW, ZANECO-25.0MW, ZAMSURECO I-24.2MW, ZAMSURECO II-16.3MW; -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;</p> <p>-Permits and Other Regulatory Requirements: All permits obtained under the name 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; -Documents for additional funding signed on Dec 17, 2015;</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>	Unit 1 - December 2018 Unit 2 - December 2018 Unit 3 - December 2018 Unit 4 - December 2018	Unit 1 - March 2019 Unit 2 - May 2019 Unit 3 - June 2019 Unit 4 - August 2019
Committed	Southern Mindanao Coal Fired Power Station Phase 2	Sarangani Energy Corporation	Brgy. Kamanga, Maasim, Sarangani	100	<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; -Updated PSA as of July 19, 2016 - ANECO-1.0MW, ASELCO-10.0MW, BUSECO-2.0MW, CEPALCO-20.0MW, COTELCO MAIN-10.0MW, COTELCO PPALMA-4.0MW, CLPC-5.0MW, DANECO-15.0MW, DASURECO-10.0MW, DLPC-100.0MW, DORECO-5.0MW, MOELCI 1-3.0MW, MORESCO I-5.0MW, SOCOTECO I-2.0MW, SOCOTECO II-5.0MW, SUKELCO-10.0MW, SURNECO-5.0MW, SURSECO 1-3.0MW, SURSECO 2-5.0MW, ZANECO-5.0MW, ZAMSURECO I-12.0MW, ZAMSURECO 2-10.0MW, ZAMCELCO-1.0MW, PILMICO-1.0MW, PHILSINTER-4.0MW</p>	December 2018	February 2019

**PERMITS AND OTHER REGULATORY REQUIREMENTS:**

-ECC issued on April 2009;

**FINANCING ARRANGEMENTS:**

-Project Cost - PHP 14,979,221,000.00

Banks - Consortium led by BDO Trust and Investments

Equity Loan Ratio - 70% Loan, 30% Equity;

**CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:**

SEC has complete and full support of its subsidiary companies, Conal Holdings Corporaion (CHC) and Alsons Consolidated Resources(ACR); Supply Contract (Engineering and Procurement Works for Offshore Portion) between Sarangani Energy Corporation and JGC Corporation

Construction Contract (Engineering, Procurement and Construction Works) between Sarangani Energy Corporation and JGC Philippines, Inc.

**COMMENCEMENT OF CONSTRUCTION:**

OIL				10.9			
Committed	Nickel Asia Diesel Power Project	Nickel Asia Corporation	Surigao City, Surigao del Norte	10.9	<p>FEASIBILITY STUDY</p> <ul style="list-style-type: none"> <li>Completed</li> </ul> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> <li>Issued with GIS on 30 May 2016 (DOE-EPIMB-SIS No. 2016-05-005)</li> <li>Issued with COE on 7 January 2015 (COE No. 2014-12-004)</li> </ul> <p>FINANCIAL CLOSING</p> <ul style="list-style-type: none"> <li>100 % In-house financing</li> <li>Total Project Cost PhP 825,120,786.00</li> </ul>	August 2018	December 2018
HYDROPOWER				101.8			
Committed	Manolo Fortich 1	Hedcor Bukidnon, Inc.	Santiago, Bukidnon	43.4	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> <li>Completed;</li> </ul> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> <li>HSC No. 2013-11-327; 332 out of 341 identified ROW were already secured (with lease of contracts with landowners)</li> </ul> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> <li>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; Secured the following requirements: Renewable Energy Service Contract, Certificate of Commerciality, Environmental Compliance Certificate, Conditional Water Permit, SIS, Registered with the BOI, With ER 1-94 MOA between HBI and DOE, Done with the FPIC process, with IP and LGU Endorsements, with SLUP issued by DENR, with tree cutting permit, with Locational Clearance and Building permit;</li> <li>on-going DAR Conversion still on process in securing other regulatory requirements</li> </ul> <p>GROUNDBREAKING SCHEDULES:</p> <ul style="list-style-type: none"> <li>Groundbreaking held on 22 April 2015;</li> </ul> <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> <li>Financial Arrangement Secured;</li> </ul> <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p>	November 2018	December 2018
Committed	Manolo Fortich 2	Hedcor Bukidnon, Inc.	Santiago, Bukidnon	25.4	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> <li>Completed;</li> </ul> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> <li>HSC No. 2013-11-327; 332 out of 341 identified ROW were already secured (with lease of contracts with landowners)</li> </ul> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> <li>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; Secured the following requirements: Renewable Energy Service Contract, Certificate of Commerciality, Environmental Compliance Certificate, Conditional Water Permit, SIS, Registered with the BOI, With ER 1-94 MOA between HBI and DOE, Done with the FPIC process, with IP and LGU Endorsements, with SLUP issued by DENR, with tree cutting permit, with Locational Clearance and Building permit;</li> <li>on-going DAR Conversion still on process in securing other regulatory requirements</li> </ul> <p>GROUNDBREAKING SCHEDULES:</p> <ul style="list-style-type: none"> <li>Groundbreaking held on 22 April 2015;</li> </ul> <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> <li>Financial Arrangement Secured;</li> </ul> <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> <li>Done with negotiation on Civil works and Electro Mechanical;</li> <li>on-going negotiation on electrical works</li> </ul> <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> <li>On-going construction is 37% as of June 2016</li> </ul>	November 2018	December 2018
Committed	Asiga	Asiga Green Energy Corp.	Pangaylan, Santiago, Agusan del Norte	8	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> <li>Issued Confirmation of Commerciality on 1 August 2014;</li> <li>Submission of lacking requirements e.g. permits in progress;</li> <li>Secured DOE Endorsement to DAR to facilitate the processing of application for Land Use Conversion; Issued with GIS on 2 February 2018 (DOE-EPIMB-SIS No.2017-12-004)</li> </ul> <p>GROUNDBREAKING SCHEDULES:</p> <ul style="list-style-type: none"> <li>Groundbreaking held on 22 April 2015;</li> </ul> <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> <li>Financial Arrangement Secured;</li> </ul> <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> <li>On-going construction is 25% as of November 2015;</li> </ul>	November 2018	December 2018

Committed	Lake Mainit	Agusan Power Corporation	Jabonga, Agusan del Norte	25	<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; -FIT</p> <p>COMMENCEMENT OF CONSTRUCTION: -On-going construction;</p>	November 2020	December 2020
<b>SOLAR</b>				<b>24.96</b>			
Committed	GenSan Solar Power Project	Astronergy Development GenSan Inc.	General Santos City, South Cotabato	24.96	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Awarded with RE Service Contract (SESC No. 2014-12-096) on 29 Dec 2014 • Certificate of Commerciality No. SCC-2017-09-059 dated 06 Oct 2017 • ERC issued Provisional Approval of PSA at PHP 8.54 per kWh with SOCOTECO II</p>	December 2018	December 2018
<b>BIOMASS</b>				<b>30.35</b>			
Committed	GEEC Biomass Cogeneration System	Green Earth Enersource Corporation	Maguindanao	3.5	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: -Issued COE on 2 Feb 2017 (COE No. 2017-02-001);</p> <p>FINANCING ARRANGEMENTS: -Financial Arrangement Secured;</p> <p>COMMENCEMENT OF CONSTRUCTION: -Operating for Own-Use;</p>	May 2017 (On-going Testing and Commissioning)	December 2018
Committed	PTCI Rice Husk-Fired Biomass Cogeneration Facility	Philippine Trade Center, Inc.	Sultan Kudarat, Maguindanao	3	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: -Secured Clearance from DOE for the conduct of GIS on 13 March 2014;</p> <p>FINANCING ARRANGEMENTS: -Financial Arrangement Secured;</p> <p>COMMENCEMENT OF CONSTRUCTION: -Operating for Own-Use;</p>	June 2017 (On-going Testing and Commissioning)	December 2018
Committed	LPC Rice Husk-Fired Biomass Power Plant Project	Lamsan Power Corporation	Sultan Kudarat, Maguindanao	5.5	<p>FINANCING ARRANGEMENTS: -Financial Arrangement Secured;</p> <p>COMMENCEMENT OF CONSTRUCTION: -On-going construction;</p>	April 2018	December 2018
Committed	Biogas Power Plant Project	Biotech Farms, Inc.	Banga, South Cotabato	12.39	<p>CONSTRUCTION: • On-going testing and commissioning (Phase I) construction (Phase II and III) • On-going</p>	November 2018	December 2018
Committed	Biomass Power Plant Project	Biotech Farms, Inc.	Tantangan, South Cotabato	5.96	<p>CONSTRUCTION: • On-going testing and commissioning</p>	November 2018	December 2018

Total Committed  
Rated Capacity

868.01