

PRIVATE SECTOR INITIATED POWER PROJECTS (MINDANAO)
COMMITTED
As of 31 July 2019

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 has already secured the land for the project;</p> <p>MARKETING OF GENERATING CAPACITIES: -Selling and marketing of the remaining uncontracted capacity with distribution utilities, private large load customers and direct connect customers is on-going.</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: -All required permits for construction are in place; Relevant operational permits have also been obtained:</p> <p>ESTIMATED NUMBER OF JOBS GENERATED: -During Construction: 1,614 jobs</p> <p>GROUND BREAKING SCHEDULES: -The Notice to Construct was issued to EPC contractor on December 29, 2014 to commence certain works on January 1, 2015.</p> <p>FINANCING ARRANGEMENTS: -The project's loan amounts are as follows: <ul style="list-style-type: none"> •Up to US\$605 Million Onshore Dollar Facility •Up to Php1.7 Billion Onshore Peso Facility •Up to US\$75 Million Additional Senior Term Facility •Up to US\$75 Million Offshore Commercial Facility -These amounts account for 69.30% of the total Project Cost.</p> <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: -The plant and equipment is subcontracted through the EPC contractor to various Philippine and Chinese companies. The supply and construction agreements dated as of June 20, 2016 which were signed with Shanghai Electric Power Construction Cop., Ltd. and Shanghai Electric power Construction Philippine Corporation ("EPC Contractors") respectively remains valid and in effect as of date with variations through change orders and letter amendment agreements.</p> <p>COMMENCEMENT OF CONSTRUCTION: -The onshore and offshore Notice to Proceed were issued to the EPC contractors on September 1, 2015.</p> <p>PROJECT PROGRESS PERCENTAGE: -GNPK's progress percentage as of May 31, 2019 is 98.32%.</p>	Testing and commissioning for all units expected to be completed by Q4 2019	Unit 1 - 2nd half of 2019 Unit 2 - 2nd half of 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> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: -ECC issued on April 2009;</p>	Start of Performance Test- 23 Jul 2019 Shutdown/Inspection after Performance Test- 27 Jul 2019 Start of Reliability Run- 4	5-Sep-19

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					<p>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;</p> <p>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</p> <p>Construction Contract (Engineering, Procurement and Construction Works) between Sarangani Energy Corporation and JGC Philippines, Inc.</p> <p>COMMENCEMENT OF CONSTRUCTION: -On-going Civil Works;</p>	Aug 2019	
	Natural Gas			0			
	OIL			0			
	Geothermal			0			
	HYDROPOWER			33			
Committed	Asiga	Asiga Green Energy Corp.	Pangaylan, Santiago, Agusan del Norte	8	<p>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; Issued with GIS on 2 February 2018 (DOE-EPIMB-SIS No.2017-12-004)</p> <p>GROUND BREAKING SCHEDULES: -Groundbreaking held on 22 April 2015;</p> <p>FINANCING ARRANGEMENTS: -Financial Arrangement Secured;</p> <p>COMMENCEMENT OF CONSTRUCTION: -On-going construction is 25% as of November 2015;</p>	March 2019	August 2019
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
	BIOMASS			21.35			
Committed	Biogas Power Plant Project	Biotech Farms, Inc.	Banga, South Cotabato	12.39	<p>CONSTRUCTION: •5.6MW Phase II- already attained 100% pre-construction, 89% construction and installation and 100% interconnection completion of project activities. Attained minimum requirement or at least 80% electro-mechanical completion of the project in order to be nominated for FIT eligibility.</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: •Issued DOE-FIT No. B2019-02-023 for Phase I (3.9MW)</p> <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>	Phase II- commence commissioning on July 2019	September 2019
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 2019 (On-going Testing and Commissioning)	December 2019

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Committed	Biomass Power Plant Project	Biotech Farms, Inc.	Tantangan, South Cotabato	5.96	CONSTRUCTION: • On-going testing and commissioning	November 2019	December 2019
	SOLAR			24.96			
Committed	GenSan Solar Power Project	Astronergy Development GenSan Inc.	General Santos City, South Cotabato	24.96	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	November 2019	December 2019
	Wind			0			

Total Committed Rated Capacity 779.31

SUMMARY - COMMITTED PROJECTS (MINDANAO)

	MW	% Share
COAL	700.0	89.8%
DIESEL / OIL	0.0	0.0%
NATURAL GAS	0.0	0.0%
RENEWABLE ENERGY	79.3	10.2%
GEOTHERMAL	0.0	0.0%
HYDROPOWER	33.0	4.2%
BIOMASS	21.4	2.7%
SOLAR	25.0	3.2%
WIND	0.0	0.0%
TOTAL	779.3	
*BESS	0	