

PRIVATE SECTOR INITIATED POWER PROJECTS (MINDANAO)

INDICATIVE

As of 31 December 2017

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
	COAL			1138			
Indicative	Ozamiz Coal Fired Power Plant Phase 1 - 1 x 150 MW Phase 2 - 1 x 150 MW	Ozamiz Power Generation, Inc. (wholly owned subsidiary of Avesco Marketing Corporation)	Brgy. Pulot, Ozamiz City, Misamis Occidental	300	<p>FEASIBILITY STUDY: Final revised copy of Feasibility Study submitted on 15 July 2015;</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND: -Land acquisition is 95% complete; 5% of which are in the final process of negotiation; Conversion of land from Agricultural to Industrial is on-going (as of 29 March 2016);</p> <p>MARKETING OF GENERATING CAPACITIES: -As of March 2016, still preparing all the necessary documents that can be required for purposes of complying with the directive of ERC and the DOE on CSP; -Still in the process of marketing the electricity to the different cooperatives and were able to secure commitments with the various DUs (List of DUs with commitments: MAGELCO - 6MW; COTELCO-4MW; MOELCI 1 - 12MW, MOELCI 2 - 11MW, SUKELCO - 5MW, BUSECO - 7MW, LANECO - 5MW, ZANECO - 6MW, ZAMSURECO 1 - 8MW, ZAMSURECO 2 - 5MW, MORESCO 1 - 8MW, MORESCO 2 - 8MW, ANECO - 7MW, CAMELCO - 5MW, ZAMCELCO - 6MW, TOTAL : 103MW); -Projections is to secure a minimum of 30MW of Contracts every 3 months starting October 2016.</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: -Certificate of Endorsement (CoE) released on June 4, 2015; -Environmental Clearance Certificate released on 15 October 2015 (ECC-CO-1502-0002); -Approved Grid/System Impact Study released on 7 January 2016; -Awaiting DOE issuance for Land-Use Conversion Certificate of Urgency for DAR; -Awaiting release of Certificate of Non-Coverage from NCIP, expected release on May 2016 -NWRB Water Permit Application on-going, expected completion on May 2016 -Certificate of Endorsement to BOI released on 5 February 2016; -CAAP Certificate of Height Clearance released on 10 March 2015; -Facilities Study for Transmission Service Agreement for the Open Access Rules on-going; -Applications for BOI, Bureau of Customs, Foreshore Lease Agreement, Tree Cutting Permit, PPA Clearance to Develop Private Port Facility, LGU Permits (Business, Fencing and Zoning Permits) all on-going;</p> <p>GROUND BREAKING SCHEDULES: -Target date of groundbreaking for finalization, but site clearing and preparation works on-going;</p> <p>FINANCING ARRANGEMENTS: -Finalizing financing arrangements with different local and foreign banks;</p> <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: -Completed Terms of Reference for Preliminary Design and Technical Provision for Detailed Design; Detailed Site Development Plans and Detailed Engineering plans completed;</p> <p>COMMENCEMENT OF CONSTRUCTION: -Simultaneous construction of Unit No. 1 and 2 will commence upon financial closure with 34 months construction contract</p>	Phase 1 - 1 x 150MW - Jun 2021 Phase 2 - 1 x 150MW - Dec 2022	Phase 1 - 1 x 150 MW - June 2021 Phase 2 - 1 x 150 MW- Dec 2022 (Target Testing and Commissioning)
Indicative	SMC Davao Power Plant Project Phase II	San Miguel Consolidated Power Corporation	Brgy. Culaman, Malita, Davao Occidental	300	<p>FEASIBILITY STUDY: -Completed;</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND: -Land acquisition completed;</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: -On-going processing of ECC requirements; -On-going securing of permits and other regulatory requirements;</p> <p>FINANCING ARRANGEMENTS: -On-going negotiations for financing arrangements;</p>	TBD	TBD
Indicative	ZAM 100 MW Circulating Fluidized Bed (CFB) Coal-Fired Power Station	San Ramon Power Inc.	Sitio San Ramon, Brgy. Talisayan, Zamboanga City	100	<p>FEASIBILITY STUDY: On-going Feasibility Study;</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND: Land Lease Agreement with ZamboEcozone signed on 28 January 2013;</p> <p>MARKETING OF GENERATING CAPACITIES: On-going negotiations with ZAMCELCO for baseload supply; Power Sales Agreement for ZAMCELCO is 85MW, and ZAMSURECO 1 is 10MW; Awaiting for the ERC approval of PSAL with ZAMCELCO;</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: Environmental Clearance Certificate released on 20 March 2012 (ECC-CO-1112-0021); On-going securing permits;</p> <p>GROUND BREAKING SCHEDULES: Ground breaking held on 27 January 2013;</p> <p>FINANCING ARRANGEMENTS: On-going sourcing of financing the project;</p> <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: EPC Contract between Owner and Daelim Philippines, Inc. executed on 27 December 2012;</p> <p>COMMENCEMENT OF CONSTRUCTION:</p> <p>PROJECT COST: \$292 Million</p>	TBD	TBD
Indicative	SMC Global Power (4 x 82 MW)	SMC Global Power	Brgy. Darong, Santa Cruz, Davao del Sur	328	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with GIS on 8 June 2016 (DOE-EPIMB-SIS No. 2016-05-006)</p>	TBD	TBD
Indicative	Balingasag Coal-Fired Power Plant	Minergy Coal Corporation	Brgy. Mandangao, Balingasag, Misamis Oriental	110	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued COE - 23 November 2016</p>	TBD	TBD

OIL-BASED				45,216			
Indicative	TPI Diesel Power Plant	Total Power Incorporated	Mati, Davao Oriental	5,883	<p>FEASIBILITY STUDY: -Completed;</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND: -On-going;</p> <p>MARKETING OF GENERATING CAPACITIES: -On-going negotiations;</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: -On-going;</p>	TBD	TBD
Indicative	Nickel Asia Diesel Power Project	Nickel Asia Corporation	Surigao City, Surigao del Norte	10.9	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with GIS on 30 May 2016 (DOE-EPIMB-SIS No. 2016-05-005)</p>	TBD	TBD
Indicative	Panasia Malita Diesel Power Plant	Panasia Energy, Inc.	Malita, Davao	20	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with GIS on 21 September 2016 (DOE-EPIMB-SIS No. 2016-09-006)</p>	TBD	TBD
Indicative	MOPP 4 Diesel Power Plant	King Energy Generation Inc.	Brgy. San Isidro, Jimenez, Misamis Oriental	8,433	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with SIS on 6 January 2017 (DOE-EPIMB-SIS No. 2016-10-008) • Issued with COE on 1 March 2017 (COE No. 2017-01-001)</p>	TBD	TBD
GEOTHERMAL				30			
Indicative	Mindanao 3 Geothermal Power Project	Energy Development Corporation	Kidapawan, North Cotabato	30	<p>FEASIBILITY STUDY: -On-going Feasibility Study; Resource assessment and studies in optimal power plant capacity;</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND: -The project is within the DOE Service Contract -GRES# 009-10-004;</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: -DENR ECC obtained; Land use permits obtained; -LGU Endorsement on-going; Water right secured; -On-going preparation of DENR requirements for TL FLAg; -Water rights secured; -Turnkey Contracts pending result of feasibility study; -Clearance to Undertake GIS from DOE issued on 7 June 2012;</p> <p>FINANCING ARRANGEMENTS: -On-going sourcing of financing the project;</p> <p>PROJECT COST: -Project cost is subject to the result of the feasibility study;</p>	December 2021	December 2021 (Target Testing and Commissioning)
HYDROPOWER				268			
Indicative	Limbataon Hydroelectric Power Project	Turbines Resource & Development Corp.	Cagayan de Oro City, Misamis Oriental	9	<p>FEASIBILITY STUDY: -Submitted Feasibility Study, Detailed Engineering Design, and 5-Yr Work Plan;</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: -Issued Confirmation of Commerciality on 12 July 2013; -Already secured LGU Endorsements, DENR ECC, and NCIP Certificate;</p> <p>FINANCING ARRANGEMENTS: -Financial Arrangement Secured;</p> <p>COMMENCEMENT OF CONSTRUCTION: -On-going construction; -Construction of Access Road completed</p>	2018	2018 (Target Testing and Commissioning)
Indicative	Tumalaong Hydroelectric Power Project	First Gen Mindanao Hydropower Corp.	Baungon, Bukidnon	9	<p>FEASIBILITY STUDY: -Submitted Feasibility Study and 5-Yr Work Plan;</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: -Issued Confirmation of Commerciality on 2 July 2013; -Already secured LGU Endorsements DENR Certificate of Non-Coverage, and Conditional Water Permit;</p> <p>COMMENCEMENT OF CONSTRUCTION: -On-going Pre-construction activities;</p>	2018	2018 (Target Testing and Commissioning)

Indicative	Kitaotao 1	Hedcor Bukidnon, Inc.	Bukidnon	70	<p>FEASIBILITY STUDY: -On going</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND: -Covered by Solar Energy Services (HSC No. 2015-05-569) ; -On-going study to determine the final scheme for development and final capacity of the project;</p> <p>FINANCING ARRANGEMENT: -Parent Company will undertake to provide financial support;</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: -Permits on process for Project Site and on-going IEC; -With renewable energy service contract; -With on-going application for HSC amendment: increase capacity from 35 MW to 70 MW.</p> <p>MARKETING OF CAPACITIES: -To be determined;</p> <p>CONSTRUCTION OF FACILITY:</p>	March 2019	March 2019 (Target Testing and Commissioning)
Indicative	10 MW Cabulig-2 Hydroelectric Power Plant Project	Mindanao Energy Systems, Inc.	Jasaan, Misamis Oriental	10	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: -On-going permits and other regulatory requirements completion</p>	December 2018	March 2019
Indicative	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>	December 2019	December 2019 (Target Testing and Commissioning)
Indicative	Davao Hydroelectric Power Project	San Lorenzo Ruiz Olympia	Davao City	140	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with GIS on 6 October 2016 (DOE-EPIMB-SIS No. 2016-09-003)</p>	December 2023	December 2023 (Target Testing and Commissioning)
SOLAR				410			
Indicative	Sumilao Solar Power Project	Sunasia Energy, Inc.	San Vicente, Sumilao, Bukidnon	2	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with GIS on 7 June 2016 (DOE-EPIMB-SIS No. 2016-05-008)</p>	July 2018	July 2018 (Target Testing and Commissioning)
Indicative	GenSan Solar Power Project Phase I	Del Sol Energy CGS, Inc.	Brgy. Conel, General Santos City, South Cotabato	48	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Awarded with RE Service Contract (SESC No. 2015-02-106) on 28 Jan 2015 • Certificate of Commerciality No. SCC- 2015-09-024 dated 22 Sep 2015 • For issuance of show-cause letter</p>	December 2018	December 2018 (Target Testing and Commissioning)
Indicative	GenSan Solar Power Project Phase II	Del Sol Energy CGS, Inc.	Brgy. Tambler, General Santos City, South Cotabato	48	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Awarded with RE Service Contract (SESC No. 2015-02-106) on 28 Jan 2015 • Certificate of Commerciality No. SCC- 2015-09-024 dated 22 Sep 2015 • For issuance of show-cause letter</p>	December 2018	December 2018 (Target Testing and Commissioning)
Indicative	60 MW General Santos City Solar Power Project	Astroenergy Gensan Inc.	General Santos City, South Cotabato	60	<p>Feasibility Studies, Permits and Other Regulatory Requirements -Issued with GIS on 23 Nov 2015, GIS #2015-11-001</p>	December 2018	December 2018 (Target Testing and Commissioning)

Indicative	San Francisco Solar Power Project	Gpower Inc.	San Francisco, Agusan del Sur	10	<p>ARRANGEMENT FOR SECURING THE REQUIRED LAND: -Covered by Solar Energy Services (SESC No. 2015-09-252) on 29 December 2015; -To be located from the existing primary transmission line of the local distribution utility, the ASELCO and 6 KM from the San Francisco substation and ASELCO main office; -Currently completing documentation for selected location for the project;</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: -Requested DOE Endorsement to NCIP for Certificate of Non-Overlap on 29 January 2016; -ECC approved on March 2016 -Issued with GIS on 4 April 2016 (DOE-EPIMB-SIS No. 2016-04-006)</p> <p>MARKETING OF GENERATING CAPACITIES: -On-going negotiation for Bilateral Contract Arrangement with ASELCO through CSP;</p> <p>FINANCING ARRANGEMENTS: -On-going finalization for financing arrangements;</p> <p>PROJECT COST INCLUDING PRE-OPERATING EXPENSES: -PhP641 Million or \$14.2 Million</p>	December 2018	December 2018 (Target Testing and Commissioning)
Indicative	Jasaan Solar Power Project	Lohas and Soul Lighting, Inc.	Jasaan, Misamis Oriental	60	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with GIS on 11 May 2016 (DOE-EPIMB-SIS No. 2016-04-001)</p>	December 2019	December 2019 (Target Testing and Commissioning)
Indicative	Lal-Lo Solar PV Power Plant	Natures Renewable Energy & Development (NAREDCO) Corp.	Maasin, Sarangani	100	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with SIS on 09 January 2017 (DOE-EPIMB-SIS No. 2017-01-001)</p>	TBD	TBD
Indicative	Solar Power Plant	Ecoglobal, Inc	Zamboanga City Special Economic Zone	30	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with SIS on 21 April 2017 (DOE-EPIMB-SIS No. 2017-03-002)</p>	TBD	TBD
Indicative	Hayes Solar Power Project	Hayes Solar Energy Corporation	Villanueva, Misamis Oriental	27	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with SIS on 10 May 2017 (DOE-EPIMB-SIS No. 2017-05-004)</p>	TBD	TBD
Indicative	Opol Solar Power Project	Electra Ecoenergy Corporation	Brgy. Patag, Opol, Misamis Oriental	25	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with SIS on 1 August 2017 (DOE-EPIMB-SIS No. 2017-06-001)</p>	TBD	TBD
BIOMASS				89.4			
Indicative	12 MW Napier Grass-Fired Biomass Power Plant Project	Manolo Fortich Biomass Energy Corporation	Bukidnon	12	<p>FINANCING ARRANGEMENTS: -Financial Arrangement Secured;</p> <p>COMMENCEMENT OF CONSTRUCTION: -For construction;</p>	2018	2018 (Target Testing and Commissioning)
Indicative	10MW Malay-balay Bio-Energy Corporation Multi Feedstock Generating Facility	Malaybalay Bio-Energy Corporation	Bukidnon	10	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: -Secured Clearance from DOE for the conduct of GIS on 28 February 2014;</p> <p>FINANCING ARRANGEMENTS: -Financial Arrangement Secured;</p> <p>COMMENCEMENT OF CONSTRUCTION: -Operating for Own-Use; -On-going construction;</p>	December 2020	December 2020 (Target Testing and Commissioning)
Indicative	23.5 MW Woody Biomass Power Plant Project	CARAGA Renewable Energy Corporation	Agusan del Norte	23.5	<p>FINANCING ARRANGEMENTS: -Financial Arrangement Secured;</p> <p>COMMENCEMENT OF CONSTRUCTION: -For construction;</p>	December 2020	December 2020 (Target Testing and Commissioning)
Indicative	NAREDCO Biogas Power Plant	Natures Renewable Energy Development Corporation	Lal-Lo, Cagayan	24	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with GIS on 25 November 2016 (DOE-EPIMB-SIS No. 2016-10-003)</p>	December 2020	December 2020 (Target Testing and Commissioning)
Indicative	Napier Grass-Fired Biomass Power Plant Project	Pilipinas Joule Energy Corporation	Bukidnon	5	<p>COMMENCEMENT OF CONSTRUCTION: -For construction;</p>	December 2020	December 2020 (Target Testing and Commissioning)
Indicative	Bagasse-Fired Co-generation Power Plant	Crystal Sugar, Inc.	Maramag, Bukidnon	14.9	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with GIS on 13 October 2016 (DOE-EPIMB-SIS No. 2016-10-003)</p>	TBD	TBD

Total Indicative Rated Capacity

1,980.62