

PRIVATE SECTOR INITIATED POWER PROJECTS (MINDANAO)

INDICATIVE

As of 5 September 2014

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
	COAL			1,230.00			
Indicative	Davao del Norte 20 MW Circulating Fluidized Bed Biomass-Coal Fired Thermal Power Plant	FDC Utilities, Inc.	Maco, Davao del Norte	20	-Awaiting approval of sale from ERC on proposed plant connection at DANECO 69/13.2kV Canocotan Substation; -On-going of securing of permits; -Clearance to Undertake GIS from DOE issued on 7 June 2012; -Project cost is Php4.8B	March 2015	March 2015 (Target Testing and Commissioning)
Indicative	ZAM 100 MW Circulating Fluidized Bed (CFB) Coal-Fired Power Station	San Ramon Power Inc.	Sitio San Ramon, Bgry. Talisayan, Zamboanga City	100	-On-going securing permits; -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; -EPC Contract between Owner and Daelim Philippines, Inc. executed on 27 December 2012; -Land Lease Agreement with ZamboEcozone signed on 28 January 2013; DENR had issued ECC in April 2012; -On-going sourcing of financing the project; -Ground breaking last 27 January 2013; -Notice to Proceed targeted on Q4 2013; -Project cost is \$292M	December 2015	June 2016

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Indicative	600 MW SMC Davao Power Plant Project Phase III	San Miguel Consolidated Power Corporation	Brgy. Culaman, Malita, Davao del Sur	600	<ul style="list-style-type: none"> <li>-Land acquisition completed;</li> <li>-Secured DENR ECC (ECC-CO-1304-0010) on 18 June 2013;</li> <li>-On-going securing of permits and other regulatory requirements;</li> <li>-On-going negotiations for financing arrangements;</li> <li>-On-going civil works construction/installation;</li> <li>-Project Status as of 20 March 2014 - 20% completed;</li> </ul>	<p>Phase I Unit 1 (150MW) - January 2016 Unit 2 (150MW) - June 2016</p> <p>Phase II 300 MW - Dec 2018</p>	<p>Phase I Unit 1 (150MW) - January 2016 Unit 2 (150MW) - June 2016 (Testing and Commissioning)</p> <p>Phase II 300 MW - Dec 2019</p>
Indicative	Sibuguey Power Plant Project	Philippine National Oil Company (PNOC-EC)	Sibugay, Zamboanga	100	<ul style="list-style-type: none"> <li>-Technical and economic feasibility study was completed in July 2011;</li> <li>-Eligible bidder for Transaction Advisor on 8 August 2012;</li> <li>-On-going bid processing for the EIS consultancy leading to ECC application and other permits;</li> <li>-Clearance to Undertake GIS from DOE issued on 14 October 2011;</li> </ul>	September 2016	September 2016 (Target Testing and Commissioning)
Indicative	2x55 MW Balingasag Thermal Power Plant (Circulating Fluidized Bed Combustion (CFBC) Coal-Fired Power Plant Plant)	Minergy Coal Corporation	Brgy. Mandangoa, Balingasag, Misamis Oriental	110	<ul style="list-style-type: none"> <li>- SEC Registered on February 2013; Certificate of Endorsement (No. 2013-07-007) issued on 1 August 2013;</li> <li>-Site Evaluation completed on 14 August 2002;</li> <li>-On-going securing of permits and other regulatory requirements such as EIS/ECC;</li> <li>-Technical review on-going; Off-taker - CEPALCO (embedded via double ckt 138 kV line);</li> <li>-Main EPC Contractor: Mitsubishi Corporation; Main Sub-contractor: Toshiba Plants Systemes * Services Corp. (TPSC);</li> <li>-Total project cost - P14,553B</li> </ul>	January 2017	January 2017 (Target Testing and Commissioning)
Indicative	300 MW Coal Fired Power Plant Phase 1 - 2 x 100MW Phase 2 - 1 x 100MW	Ozamiz Power Generation, Inc.	Brgy. Pulot, Ozamiz City, Misamis Occidental	300	<ul style="list-style-type: none"> <li>-Presented plan to the LGU of Ozamiz and was endorsed the project through Sangguniang Panglungsod Resolutions;</li> <li>-iMinor revisions on Feasibility Study; Target completion of Feasibility Study by September 2014;</li> <li>-Topographic and Bathymetric Survey of the proposed site as well as the first Technical Review by EMB are completed on June 2014; CAAP application, NCIP Certificate of Non-Overlap, BOI application and detailed development plans are all ongoing; -Geological drilling will be completed by August 2014;</li> <li>-Securing of required land and conversion is 50% completed;</li> <li>-On-going request for a Certificate of Land Use Compatability from the City Planning and Development Office of Ozamiz City; Final report on the 1st technical review was completed last 18 August 2014; CAAP application, NCIP CNO, BOI application and detailed site development plans are still on process;</li> <li>- 1st Public Scoping was already completed on 28 May 2014; Land acquisition and conversion is still on-going. 1st Phase Target Completion on August 2014; 2nd Phase and Land Conversion Target Completion October 2014;</li> <li>- Target Completion of DENR requirements (Environmental Impact Assessment, Environmental Compliance Certificate and Area Clearance Certificate on September 2014; DENR-ECC to be started;</li> <li>-Barangay and City Endorsement acquired last 7 March 2014 and 10 March 2014, respectively;</li> <li>-SEC Registration obtained 11 Nov. 2013;</li> <li>-Target date of groundbreaking for site development works is September 2014;</li> <li>-Negotiations with prospective off-takers are on-going, 1st phase target completion October 2014; 2nd Phase Target Completion February 2015;</li> <li>-Negotiations with foreign partners for financing arrangements on-going;</li> <li>-Selection of EPC Contractor on-going; Target awarding of EPC contract by December 2014;</li> </ul>	<p>Phase 1 - 2 x 100MW - December 2017</p> <p>Phase 2 - 1 x 100MW - 2018</p>	<p>Phase 1 - 2 x 100MW - March 2018</p> <p>Phase 2 - 1 x 100MW - 2018</p>

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Indicative	300 MW SMC Davao Power Plant Project Phase II	San Miguel Consolidated Power Corporation	Brgy. Culaman, Malita, Davao del Sur	300	-Land acquisition completed; -On-going securing of permits and other regulatory requirements; -On-going negotiations for financing arrangements	December 2018	December 2018 (Target Testing and Commissioning)

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	<b>GEOHERMAL</b>			<b>50.00</b>			
Indicative	Mindanao 3 Geothermal Power Project	Energy Development Corporation	Kidapawan, North Cotabato	50	-Ongoing feasibility study, resource assessment and studies in optimal power plant capacity; -The project is within the DOE Service Contract -GRES# 009-10-004; DENR ECC obtained; -Land use permits obtained; LGU Endorsement on-going; Water right secured; On-going preparation of DENR requirements for TL FLAG; Turnkey Contracts pending result of feasibility study; Target of commissioning on December 2017; -Clearance to Undertake GIS from DOE issued on 7 June 2012; -Project cost is subject to the result of the feasibility study;	December 2017	December 2017 (Target Testing and Commissioning)

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	<b>HYDROPOWER</b>			<b>105.20</b>			
Indicative	Tagoloan Hydropower	First Gen Mindanao Hydropower Corp.	Impasugong & Sumilao, Bukidnon	39	-Issued Confirmation of Commerciality on 02 July 2013; -Submission of lacking requirements e.g. permits in progress; -Pre-Construction stage (93% completed as of 31 March 2014)	October 2015	October 2015 (Target Testing and Commissioning)
Indicative	Bubunawan Hydroelectric Power Project	First Gen Mindanao Hydropower Corp.	Baungon and Libona, Bukidnon	23	-Issued Confirmation of Commerciality on 02 July 2013; - Already secured LGU Endorsements, DENR Environment Compliance Certificate , NCIP Certificate and NWRB Permit; -Also submitted Feasibility Study and 5-Yr Work Plan; -Clearance to Undertake GIS from DOE issued on 28 September 2012; -Bids and tendering for the EPC started on April 2014; -Construction is set to start on the 3rd quarter of 2014;	October 2015	October 2015 (Target Testing and Commissioning)

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Indicative	Tumalaong Hydroelectric Power Project	First Gen Mindanao Hydropower Corp.	Baungon, Bukidnon	9	-Issued Confirmation of Commerciality on 2 July 2013; - Already secured LGU Endorsements DENR Certificate of Non-Coverage, and Conditional Water Permit; - Also submitted Feasibility Study and 5-Yr Work Plan; -Pre-Construction stage (93% completed as of 31 March 2014)	October 2015	October 2015 (Target Testing and Commissioning)
Indicative	Cabadbaran Hydroelectric Power Project	First Gen Mindanao Hydropower Corp.	Cabadbaran, Agusan del Norte	9.75	-Issued Confirmation of Commerciality on 03 July 2013. -Already secured LGU Endorsements, DENR Certificate of Non-Coverage, NCIP Certificate and NWRB Permit; -Also submitted Feasibility Study and 5-Yr Work Plan; -Clearance to Undertake GIS from DOE issued on 28 September 2012; -Pre-Construction stage (20% completed as of 31 March 2014); -For improvement of existing access road (logging)	December 2015	December 2015 (Target Testing and Commissioning)
Indicative	New Bataan	Euro Hydro Power (Asia) Holdings, Inc.	New Bataan, Compostela Valley	2.40	-Issued Confirmation of Commerciality on 09 April 2014; - Submission of lacking requirements e.g. permits in progress;	January 2017	January 2017 (Target Testing and Commissioning)
Indicative	Pasonanca	Philcarbon, Inc.	Zamboanga City	0.05	-Issued Confirmation of Commerciality on 09 January 2014; -Submission of lacking requirements e.g. permits in progress.	March 2017	March 2017 (Target Testing and Commissioning)
Indicative	Culaman Hydroelectric Power Project	Oriental Energy and Power Generation Corporation	Manolo Fortich, Bukidnon	10	-Issued Confirmation of Commerciality on 03 June 2013; -Clearance to Undertake GIS from DOE issued on 5 October 2012; - Submission of lacking requirements e.g. permits in progress; -Pre-Construction stage (93% completed as of 31 March 2014)	June 2018	June 2018 (Target Testing and Commissioning)
Indicative	Clarín	Philnew Hydro Power Corporation	Clarín, Misamis Occidental	5.00	-Issued Confirmation of Commerciality on 09 April 2014; - Submission of lacking requirements e.g. permits in progress;	TBD	TBD
Indicative	Mat-i-I	Philnew Hydro Power Corporation	Claveria, Cagayan de Oro	2.00	-Issued Confirmation of Commerciality on 09 April 2014; - Submission of lacking requirements e.g. permits in progress;	TBD	TBD
Indicative	Asiga	Asiga Green Energy Corp.	Santiago, Agusan del Norte	5.00	-Issued Confirmation of Commerciality on 09 April 2014; - Submission of lacking requirements e.g. permits in progress;	TBD	TBD

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	<b>SOLAR</b>			<b>63.75</b>			
Indicative	Digos Solar Photovoltaic Power Project	Enfinity Philippines Renewable Resources, Inc.	Digos City, Davao del Sur	10	-Awarded with the Solar Energy Service Contract (SESC No. 2012-09-033) on 12 October 2014; -Acquired ECC from DENR; -Acquired the DOE Certificate of Confirmation of Commerciality subject to execution of Amendment Contract on 11 March 2014; -Clearance to Undertake GIS from DOE issued on 7 August 2013; -On-going acquisition of relevant permits under Pre-Construction Stage as per Work Plan; -On-going construction; Construction Stage as of 31 August 2014( Pre-Construction - 0% completed, Construction-0%, Interconnection-0%);On-going acquisition of relevant permits under Pre-Construction Stage as per Work Plan;	October 2015	October 2015 (Target Testing and Commissioning)
Indicative	Kirahon Solar Power Project Phase 1	Kirahon Solar Energy Corporation	Brgy. Kirahon, Villanueva, Misamis Oriental	12.5	-Awarded with the Solar Energy Service Contract (SESC No. 2012-03-004) on 3 May 2012; - Filed Declaration of Commerciality on 09 September 2014;	May 2015	May 2015 (Target Testing and Commissioning)
Indicative	Centralla Solar Power Project	NV Vogt Philippines Solar Energy One, Inc.	Brgy. Centralla, Surallah, South Cotabato	6.25	-Awarded with the Solar Energy Service Contract (SESC No. 2013-10-043) on 05 December 2014; -Non-FIT Project, Embedded to SOCOTECO I; -Acquired ECC from DENR, CNO from NCIP, Resolutions of Support (Barangay, Municipal, and Provincial), Land Ownership, Municipal Ordinance for Land-Use Conversion from Agricultural to Commercial/Industrial, Third Party Distribution Impact Study, and Power Purchase Agreement with SOCOTECO I; -Declaration of Commerciality was submitted on 11 April 2014; -Acquired the DOE Certificate of Confirmation of Commerciality on 18 June 2014; -Filed for ERC's Certificate of Compliance; -Secured Clearance from DOE for the conduct of GIS on 9 October 2013 ;	March 2015	March 2015 (Target Testing and Commissioning)
Indicative	Darong Solar Photovoltaic Power Project	PhilNew Energy Inc.	Sta. Cruz, Davao del Sur	35	-Awarded with the Solar Energy Service Contract (SESC No. 2011-12-007) on 16 December 2011; -Submitted the Declaration of Commerciality (DOC) on September 2011; -Clearance to Undertake GIS from DOE issued on 25 March 2011;	September 2015 (Subject to FIT)	September 2015 (Subject to FIT) (Target Testing and Commissioning)
	<b>BIOMASS</b>			<b>9.00</b>			
Indicative	12 MW Biomass Power Plant Project	Misamis Oriental Bio-Energy Corporations	Misamis Oriental	10.80	-For construction;	2015	2015
Indicative	10MW Kalilangan Bio-Energy Corporation Multi-Feedstock Power Generating Facility	Kalilangan Bio-Energy Corporation	Bukidnon	9.00	-For construction;	2016	2016
Indicative	10MW Don Carlos Bio-Energy Corporation Multi-Feedstock Power Generating Facility	Don Carlos Bio-Energy Corporations	Bukidnon	9.00	-For construction;	2016	2016

Total Indicative Rated Capacity 1,457.95