

## PRIVATE SECTOR INITIATED POWER PROJECTS (VISAYAS)

## COMMITTED

As of 31 January 2019

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
	COAL			435			
Committed	Therma Visayas Energy Project	Therma Visayas Inc.	Brgy. Bato, Toledo City, Cebu	300	<p><b>Feasibility Studies, Permits and Other Regulatory Requirements</b></p> <ul style="list-style-type: none"> <li>-GIS-clearance from DOE issued on 16 June 2012 (GIS study-approved)</li> <li>-ECC issued last May 2013</li> <li>-BOI-registered</li> <li>- July 23, 2014 - SAPA issued for foreshore development works for coal jetty</li> <li>-Site feasibility - completed on May 2015</li> <li>-Land Acquisition for Completion</li> <li>-Applied CAAP Height Clearance permit</li> <li>-Transmission EPC has been awarded</li> </ul> <p><b>Contracts for Plant and Equipment</b></p> <ul style="list-style-type: none"> <li>-EPC Contract awarded last 30 May 2014</li> </ul> <p><b>Financial Arrangements</b></p> <ul style="list-style-type: none"> <li>-Self-funded with on-going negotiations with financing institutions; awaiting closure; March 2016 - 3rd draw down; 4th draw Partial on 2 May 2016; 5th drawdown is scheduled on Aug 2016; 6th Drawdown on Dec 2016</li> <li>-Project cost is Php23B</li> </ul> <p><b>Off-Takers</b></p> <ul style="list-style-type: none"> <li>-On-going discussions with target off-takers</li> </ul> <p><b>Contracts for Plant and Equipment</b></p> <ul style="list-style-type: none"> <li>-EPC Contract awarded to Hyundai Engineering Co., Ltd. and Galing Power &amp; Energy Co., Inc. last May 30, 2014</li> </ul> <p><b>Project Progress</b></p> <ul style="list-style-type: none"> <li>- May 2015-site development works completed</li> <li>-Aug 2015-Piling works for the Coal Unloading Jetty commenced</li> <li>-Construction completion at 91.59% as of 25 January 2017</li> </ul>	December 2018	Unit 1: 1st Q 2019 Unit 2: 2019
Committed	Palm Concepcion Coal-Fired Power Plant	Palm Concepcion Power Corp. (Formerly DMCI Concepcion Power Corp.)	Brgy. Nipa, Concepcion, Iloilo	135	<p><b>Feasibility Studies, Permits and Other Regulatory Requirements</b></p> <ul style="list-style-type: none"> <li>-Feasibility Study completed - March 2006</li> <li>-Environmental Impact Statement – June 2006</li> <li>-Hydrology and Flood Release Analyses and Geotechnical Earthquake Risk Analysis – Jun 2011</li> <li>-Geotechnical Foundation &amp; Engineering Geological Investigations – Jun 2011</li> <li>-Geotechnical Foundation and Geohazards Risk Investigations – Aug 2011</li> <li>-Market Study of the Power Requirements in the Visayas</li> <li>-Final SIS Report from NGCP received on July 17, 2012</li> <li>-More confirmatory studies done</li> </ul> <p>-DAR Conversion Order-Sept 2008; SEC-22 Nov 2010; DENR Final SIS Report-approved by NGCP on 17 July 2012 BOI-amended 02 Oct 2012; Connection Agreement with NGCP-01 Oct 2012; ECC-03 June 2013; NCIP- issued by DOE on 03 June 2014 for Unit 1; Appraisal Report for the PPA/MLA from the DENR Regional Director-Oct 2014; Endorsements from LGUs and local permits secured; Necessary land requirements secured</p> <p><b>Financial Arrangements</b></p> <ul style="list-style-type: none"> <li>-24 July 2013-Financial Closure Secured</li> <li>-Project cost is Php26.356B</li> <li>-6th Drawdown on December 2016</li> </ul> <p><b>Construction Contracts for Plant and Equipment</b></p> <ul style="list-style-type: none"> <li>-Signed and awarded various contracts</li> </ul>	Unit II - December 2018	Unit II - 2019
	Natural Gas			0			
	OIL			70			
Committed	Modular Diesel Ancillary Service Power Plant	Isabel Ancillary Services Co. Ltd. (Formerly Marubeni Diesel Genset Facility)	Isabel, Leyte	70	<p>FEASIBILITY STUDY</p> <ul style="list-style-type: none"> <li>• Completed</li> </ul> <p><b>ARRANGEMENT FOR SECURING THE REQUIRED LAND</b></p> <ul style="list-style-type: none"> <li>• Terms and Land Lease Agreement with National Development Government (NDC) already finalized; Landlease Agreement with NDC has been executed</li> </ul> <p><b>MARKETING OF GENERATING CAPACITIES</b></p> <ul style="list-style-type: none"> <li>• All generating capacity is to be dedicated to provide Ancillary Services to the National Grid Corporation of the Philippines (NGCP). Terms of the Ancillary Services Procurement Agreement with NGCP are near to finalization. To be executed upon the completion of Accreditation Test, which is expected on April 2019.</li> </ul> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>• Issued with GIS on 25 May 2016 (DOE-EPIMB-SIS No. 2017-05-007)</li> <li>• ECC- Application to amend the existing ECC on process, currently under review by DENR, expected by November 2018</li> <li>• SIS- SIS approved by NGCP.</li> <li>• Facility Study - Approved by NGCP.</li> </ul> <p><b>FINANCIAL ARRANGEMENT</b></p> <ul style="list-style-type: none"> <li>• Finance to be provided through equity contribution by the parent companies; Marubeni Corporation and Desco Inc.</li> </ul>	May 2019	August 2019
	GEOHERMAL			50			

Committed	Biliran Geothermal Plant Project	Biliran Geothermal Incorporated	Biliran, Biliran	50	<p><b>Feasibility Studies, Permits and Other Regulatory Requirements</b>            -Geothermal Service Contract from DOE-obtained            -ECC-secured for the proposed Geothermal Exploration Drilling and Biliran Power Plant Project on December 06, 2012 and August 23, 2013, respectively.            -Confirmation of Commerciality-obtained from DOE on 28 December 2014</p> <p><b>Financial Arrangements</b>            -Memorandum of Understanding by and among Envent Holdings Philippines, Inc. (EHPI) and Philippine Associated Smelting and Refining Corp. (PASAR) signed on May 10, 2013</p> <p><b>Project Cost</b>            US\$ 208.021 M</p>	Unit 1 (5 MW) - July 16, 2021	Unit 1 (5 MW) - July 16, 2021 Unit 2 (5 MW) - September 6, 2023 Unit 3 (10 MW) - March 26, 2024 Unit 4 (10MW) - January 6, 2025 Unit 5 (10 MW) - October 27, 2025 Unit 6 (10 MW) -June 9, 2026
HYDROPOWER				23.1			
Committed	Igbulo (Bais) Hydroelectric Power Project	Century Peak Energy Corporation	Igbaras, Iloilo	5.1	<p><b>Feasibility Studies, Permits and Other Regulatory Requirements</b>            - Confirmation of Commerciality-issued on 26 June 2013            - GIS-issued by DOE on 14 August 2013            - Ongoing submission of other reportorial requirements</p> <p><b>Project Progress</b>            -Ongoing Construction</p>	November 2019	December 2019
Committed	Timbaban	Oriental Energy and Power Generation Corporation	Madalag, Aklan	18.0	Issued Confirmation of Commerciality on 28 May 2013; Ongoing construction of hydro facilities	November 2019	December 2019
SOLAR				0			
WIND				0			
BIOMASS				206.58			
Committed	VMC Cogeneration Power Plant Project	Victorias Milling Company, Inc.	Victoria, Negros Occidental	40	<p><b>Project Progress</b>            -Ongoing Construction</p>	January 2019	March 2019
Committed	SCBI Multi-Feedstock Biomass Power Plant Project	San Carlos Biopower, Inc.	Negros Occidental	20	<p><b>Project Progress</b>            -Ongoing Construction</p>	January 2019	March 2019
Committed	HPC Cogeneration Power Plant Project	Hawaiian-Philippine Company	Negros Occidental	20.58	<p><b>Project Progress</b>            -Ongoing Testing and Commissioning</p>	January 2019	March 2019
Committed	BISCOM Cogeneration Power Plant Project	BISCOM, Inc.	Binalbagan, Negros Occidental	48	<p><b>Project Progress</b>            -Ongoing Construction</p>	March 2019	June 2019
Committed	Bais Bagasse-Fired Cogeneration Power Plant Project	Central Azucarera de Bais	Calasagan, Bais City, Negros Occidental	25	<p><b>Project Progress</b>            -Ongoing Construction</p>	March 2019	June 2019
Committed	Biomass Power Plant Project	HDJ Bayawan Agri-Venture Corporation	Himamaylan City, Negros Occidental	3	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b>            of requirements; Issued with SIS on 29 August 2018 (DOE-EPIMB-RE-SIS No. 2018-08-002)</p> <p>COMMENCEMENT OF CONSTRUCTION: On-going construction at (75%)</p>	Ongoing applications	June 2019 September 2019
Committed	Biomass Power Plant Project	North Negros Biopower, Inc.	Manapla, Negros Occidental	25	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b>            • Issued clearance to undertake SIS on 16 July 2018 (DOE-EPIMB-SIS No. 2018-07-002)</p>	November 2019	December 2019
Committed	SNBI Cane trash-Fired Biomass Power Plant Project	South Negros BioPower, Inc.	Negros Occidental	25	<p><b>Project Progress</b>            -Ongoing Construction (40%)</p>	November 2019	December 2019

Total Committed Rated Capacity 784.68

\* Committed Project(s)

COAL	435.0	55.4%
DIESEL / OIL	70.0	8.9%
NATURAL GAS	0.0	0.0%
RE	279.7	35.6%
GEOTHERMAL	50.0	6.4%
HYDROPOWER	23.1	2.9%
BIOMASS	206.6	26.3%
SOLAR	0.0	0.0%
WIND	0.0	0.0%
	784.7	
	TRUE	