

PRIVATE SECTOR INITIATED POWER PROJECTS (VISAYAS)
 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 | | | 285 | | | |
| Committed | Therma Visayas Energy Project Unit 2 | Therma Visayas Inc. | Brgy. Bato, Toledo City, Cebu | 150 | <p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> -GIS-clearance from DOE issued on 16 June 2012 (GIS study-approved) -ECC issued last May 2013 -BOI-registered - July 23, 2014 - SAPA issued for foreshore development works for coal jetty -Site feasibility - completed on May 2015 -Land Acquisition for Completion -Applied CAAP Height Clearance permit -Transmission EPC has been awarded -DOLE Permit to Operate Pressure Vessels: Paid and awaiting the release of the certificate; -DOLE Permit to Operate Steam Turbine for Unit 1: Paid and awaiting the release of the certificate; -DOLE Permit to Operate Steam Turbine for Unit 2: Billing from DOLE received. For Payment; -NWRB Permanent Water Permit: Awaiting the release of certificate; -ERC Certificate of Compliance: Awaiting the release of the Certificate. <p>Contracts for Plant and Equipment</p> <ul style="list-style-type: none"> -EPC Contract awarded last 30 May 2014 <p>Financial Arrangements</p> <ul style="list-style-type: none"> -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 -Project cost is Php23B <p>Off-Takers</p> <ul style="list-style-type: none"> -On-going discussions with target off-takers <p>Contracts for Plant and Equipment</p> <ul style="list-style-type: none"> -EPC Contract awarded to Hyundai Engineering Co., Ltd. and Galing Power & Energy Co., Inc. last May 30, 2014 <p>Project Progress</p> <ul style="list-style-type: none"> - May 2015-site development works completed -Aug 2015-Piling works for the Coal Unloading Jetty commenced -Construction completion at 91.59% as of 25 January 2017 | April 2019 | August 2019 |
| Committed | Palm Concepcion Coal-Fired Power Plant | Palm Concepcion Power Corp. (Formerly DMCI Concepcion Power Corp.) | Brgy. Nipa, Concepcion, Iloilo | 135 | <p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> -Feasibility Study completed - March 2006 -Environmental Impact Statement - June 2006 -Hydrology and Flood Release Analyses and Geotechnical Earthquake Risk Analysis - Jun 2011 -Geotechnical Foundation & Engineering Geological Investigations - Jun 2011 -Geotechnical Foundation and Geohazards Risk Investigations - Aug 2011 -Market Study of the Power Requirements in the Visayas -Final SIS Report from NGCP received on July 17, 2012 -More confirmatory studies done <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>-EPC Contract has already been signed.</p> <p>Financial Arrangements</p> <ul style="list-style-type: none"> -24 July 2013-Financial Closure Secured -Project cost is Php26.356B -6th Drawdown on December 2016 <p>Construction Contracts for Plant and Equipment</p> <ul style="list-style-type: none"> -Signed and awarded various contracts | Dec 2021 | Dec 2021 |
| | Natural Gas | | | 0 | | | |
| | OIL | | | 114.58 | | | |
| 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"> • Completed <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND</p> <ul style="list-style-type: none"> • Terms and Land Lease Agreement with National Development Government (NDC) already finalized; Landlease Agreement with NDC has been executed <p>MARKETING OF GENERATING CAPACITIES</p> <ul style="list-style-type: none"> • 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. <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 25 May 2016 (DOE-EPIMB-SIS No. 2017-05-007) • ECC- Application to amend the existing ECC on process, currently under review by DENR, expected by November 2018 • SIS- SIS approved by NGCP. • Facility Study - Approved by NGCP. <p>FINANCIAL ARRANGEMENT</p> <ul style="list-style-type: none"> • Finance to be provided through equity contribution by the parent companies; Marubeni Corporation and Desco Inc. | May 2019 | August 2019 |
| Committed | Diesel-Fired Power Plant | Therma Power Visayas, Inc. | Brgy. Colon, Naga City, Cebu | 44.58 | <p>FEASIBILITY STUDY</p> <ul style="list-style-type: none"> •Already existing power plant when acquired. •NGCP conducted a Technical Inspection last 27 March 2019, Waiving the SIS and FS <p>MARKETING OF GENERATED CAPACITIES</p> <ul style="list-style-type: none"> •NGCP Ancillary Service, WESM <p>PERMITS AND OTHER REGULATORY REQUIREMENTS</p> <ul style="list-style-type: none"> •SEC •Mayor's Permit •DILG •BIR •Philhealth •PAG-IBIG •SSS <p>ESTIMATED OF JOBS GENERATED</p> <ul style="list-style-type: none"> •During Construction: 24 jobs as of April 2019 (operations maintenance, corporate services) <p>FINANCING ARRANGEMENTS</p> | <p>Diesel Engine 1: Sept 1W</p> <p>Diesel Engine 2: Done</p> <p>Diesel Engine 3: Sept 2W</p> <p>Diesel Engine 4: Sept 1W</p> <p>Diesel Engine 5: Sept 2W</p> <p>Diesel Engine 6: Done</p> | <p>Diesel Engine 1: Oct 15, 2019</p> <p>Diesel Engine 2: Sep 30, 2019</p> <p>Diesel Engine 3: Oct 30, 2019</p> <p>Diesel Engine 4: Oct 15, 2019</p> <p>Diesel Engine 5: Oct 30, 2019</p> <p>Diesel Engine 6: Sept 30, 2019</p> |

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| | GEOTHERMAL | | | 50 | | | |
| Committed | Biliran Geothermal Plant Project | Biliran Geothermal Incorporated | Biliran, Biliran | 50 | <p>Feasibility Studies, Permits and Other Regulatory Requirements -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>Financial Arrangements -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>Project Cost 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>Feasibility Studies, Permits and Other Regulatory Requirements - Confirmation of Commerciality-issued on 26 June 2013 - GIS-issued by DOE on 14 August 2013 - Ongoing submission of other reportorial requirements</p> <p>Project Progress -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 | BISCOM Cogeneration Power Plant Project | BISCOM, Inc. | Binalbagan, Negros Occidental | 48 | <p>Project Progress -Ongoing Construction</p> | March 2019 | August 2019 |
| Committed | Bais Bagasse-Fired Cogeneration Power Plant Project | Central Azucarera de Bais | Calasagan, Bais City, Negros Occidental | 25 | <p>Project Progress -Ongoing Construction</p> | March 2019 | August 2019 |
| Committed | Biomass Power Plant Project | HDJ Bayawan Agri-Venture Corporation | Himamaylan City, Negros Occidental | 3 | <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: 29 August 2018 (DOE-EPIMB-RE-SIS No. 2018-08-002) Ongoing applications of requirements; Issued with SIS on</p> <p>COMMENCEMENT OF CONSTRUCTION: On-going construction at (75%)</p> | June 2019 | September 2019 |
| Committed | Biomass Power Plant Project | North Negros Biopower, Inc. | Manapla, Negros Occidental | 25 | <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • 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>Project Progress -has attained 100% preconstruction, 80% construction and installation of 100% interconnection completion of project activities. -Has complied at least 80% electro-mechanical completion in order to be nominated for FIT eligibility.</p> | plans to commence commissioning on 3rd week of October 2019 | December 2019 |
| Committed | VMC Cogeneration Power Plant Project | Victorias Milling Company, Inc. | Victoria, Negros Occidental | 40 | <p>Project Progress -Ongoing Construction</p> | December 2019 | December 2019 |
| Committed | SCBI Multi-Feedstock Biomass Power Plant Project | San Carlos Biopower, Inc. | Negros Occidental | 20 | <p>Project Progress -Ongoing Construction</p> | December 2019 | December 2019 |
| Committed | HPC Cogeneration Power Plant Project | Hawaiian-Philippine Company | Negros Occidental | 20.58 | <p>Project Progress -Ongoing Testing and Commissioning</p> | December 2019 | December 2019 |

Total Committed Rated Capacity 679.26

SUMMARY - COMMITTED PROJECTS (VISAYAS)

| | MW | % Share |
|-------------------|--------------|---------|
| COAL | 285.0 | 42.0% |
| DIESEL / OIL | 114.6 | 16.9% |
| NATURAL GAS | 0.0 | 0.0% |
| RENEWABLE ENERGY | 279.7 | 41.2% |
| GEOTHERMAL | 50.0 | 7.4% |
| HYDROPOWER | 23.1 | 3.4% |
| BIOMASS | 206.6 | 30.4% |
| SOLAR | 0.0 | 0.0% |
| WIND | 0.0 | 0.0% |
| TOTAL | 679.3 | |
| *BESS | 0.0 | |