

PRIVATE SECTOR INITIATED POWER PROJECTS (MINDANAO)

INDICATIVE

As of 30 September 2016

| Committed / Indicative | Name of the Project                                                           | Project Proponent                                                                       | Location                                     | Rated Capacity (MW) | Project Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Target Testing & Commissioning                                                              | Target Commercial Operation                                         |
|------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
|                        | COAL                                                                          |                                                                                         |                                              | 1733                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                             |                                                                     |
| Indicative             | Bislig 1 Oxyfuel-Gas Fired Power Plant Project                                | CENERTEC Philippines, Inc.                                                              | Brgy. Kahayag, Bislig City Surigao del Sur   | 1                   | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Clearance to Undertake GIS (2015-09-005) from DOE released on 4 February 2016;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/>-For construction;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | December 2016                                                                               | December 2016<br>(Target Testing and Commissioning)                 |
| Indicative             | Bislig 2 Oxyfuel-Gas Fired Power Plant Project                                | CENERTEC Philippines, Inc.                                                              | Brgy. Kahayag, Bislig City Surigao del Sur   | 4                   | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Clearance to Undertake GIS (2015-09-006) from DOE released on 4 February 2016;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/>-For construction;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | December 2016                                                                               | December 2016<br>(Target Testing and Commissioning)                 |
| Indicative             | SMC Davao Power Plant Project Phase II                                        | San Miguel Consolidated Power Corporation                                               | Brgy. Culaman, Malita, Davao del Sur         | 300                 | <p><b>FEASIBILITY STUDY:</b><br/>-Completed;</p> <p><b>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</b><br/>-Land acquisition completed;</p> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-On-going processing of ECC requirements;<br/>-On-going securing of permits and other regulatory requirements;</p> <p><b>FINANCING ARRANGEMENTS:</b><br/>-On-going negotiations for financing arrangements;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | December 2018                                                                               | December 2018<br>(Target Testing and Commissioning)                 |
| Indicative             | Ozamis Coal Fired Power Plant<br>Phase 1 - 1 x 150 MW<br>Phase 2 - 1 x 150 MW | Ozamis Power Generation, Inc. (wholly owned subsidiary of Avesco Marketing Corporation) | Brgy. Pulot, Ozamis City, Misamis Occidental | 300                 | <p><b>FEASIBILITY STUDY:</b><br/>Final revised copy of Feasibility Study submitted on 15 July 2015;</p> <p><b>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</b><br/>-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><b>MARKETING OF GENERATING CAPACITIES:</b><br/>-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;<br/>-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);<br/>-Projections is to secure a minimum of 30MW of Contracts every 3 months starting October 2016.</p> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Certificate of Endorsement (CoE) released on June 4, 2015;<br/>-Environmental Clearance Certificate released on 15 October 2015 (ECC-CO-1502-0002);<br/>-Approved Grid/System Impact Study released on 7 January 2016;<br/>-Awaiting DOE issuance for Land-Use- Conversion Certificate of Urgency for DAR;<br/>-Awaiting release of Certificate of Non-Coverage from NCIP, expected release on May 2016<br/>-NWRB Water Permit Application on-going, expected completion on May 2016<br/>-Certificate of Edorsement to BOI released on 5 February 2016;<br/>-CAAP Certificate of Height Clearance released on 10 March 2015;<br/>-Facilities Study for Transmission Service Agreement for the Open Access Rules on-going;<br/>-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><b>GROUND BREAKING SCHEDULES:</b><br/>-Target date of groundbreaking for finalization, but site clearing and preparation works on-going;</p> <p><b>FINANCING ARRANGEMENTS:</b><br/>-Finalizing financing arrangements with different local and foreign banks;</p> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b><br/>-Completed Terms of Reference for Preliminary Design and Technical Provision for Detailed Design; Detailed Site Development Plans and Detailed Engineering plans completed;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/>-Simultaneous construction of Unit No. 1 and 2 will commence upon financial closure with 34 months construction contract</p> <p><b>PROJECT COST:</b><br/>-PhP 37.07 Billion</p> | Phase 1 - 1 x 150MW - Dec 2019<br>Phase 2 - 1 x 150MW - Jun 2020<br>Note: Still under study | Phase 1 - 1 x 150 MW - June 2020<br>Phase 2 - 1 x 150 MW- June 2020 |

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|------------|--------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| Indicative | Sibuguey Power Plant Project                                                                     | Philippine National Oil Company (PNOC-EC) | Sibugay, Zamboanga                               | 100  | <p><b>FEASIBILITY STUDY:</b><br/>-Technical and economic feasibility study was completed in July 2011;</p> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Eligible bidder for Transaction Advisor on 8 August 2012;<br/>-On-going bid processing for the EIS consultancy leading to ECC application and other permits;<br/>-Processing of ECC requirements;<br/>-Clearance to Undertake GIS from DOE issued on 14 October 2011;</p> <p><b>FINANCING ARRANGEMENTS:</b><br/>-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><b>FEASIBILITY STUDY:</b> On-going Feasibility Study;</p> <p><b>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</b> Land Lease Agreement with ZamboEcozone signed on 28 January 2013;</p> <p><b>MARKETING OF GENERATING CAPACITIES:</b>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><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b> Environmental Clearance Certificate released on 20 March 2012 (ECC-CO-1112-0021);On-going securing permits;</p> <p><b>GROUND BREAKING SCHEDULES:</b> Ground breaking held on 27 January 2013;</p> <p><b>FINANCING ARRANGEMENTS:</b> On-going sourcing of financing the project;</p> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b> EPC Contract between Owner and Daelim Philippines, Inc. executed on 27 December 2012;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/><b>PROJECT COST:</b> \$292 Million</p> | TBD | TBD |
| Indicative | SMC Davao Power Plant Project Phase III<br>Unit 1 - 150 MW<br>Unit 2 - 150 MW<br>Unit 3 - 300 MW | San Miguel Consolidated Power Corporation | Brgy. Culaman, Malita, Davao del Sur             | 600  | <p><b>FEASIBILITY STUDY:</b><br/>-Completed;</p> <p><b>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</b><br/>-Land acquisition completed;</p> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Secured DENR ECC (ECC-CO-1304-0010) on 18 June 2013; On-going securing of permits and other regulatory requirements</p> <p><b>FINANCING ARRANGEMENTS:</b><br/>-On-going negotiations for financing arrangements;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/>-On-going civil works construction/installation;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | TBD | TBD |
| Indicative | SMC Global Power (4 x 82 MW)                                                                     | SMC Global Power                          | Brgy. Darong, Santa Cruz, Davao del Sur          | 328  | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>• Issued with GIS on 8 June 2016 (DOE-EPIMB-SIS No. 2016-05-006)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TBD | TBD |
| OIL-BASED  |                                                                                                  |                                           |                                                  | 30.9 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |     |
| Indicative | Nickel Asia Diesel Power Project                                                                 | Nickel Asia Corporation                   | Surigao City, Surigao del Norte                  | 10.9 | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>• 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><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>• Issued with GIS on 21 September 2016 (DOE-EPIMB-SIS No. 2016-09-006)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TBD | TBD |

| GEOTHERMAL |                                         |                                                  |                                       | 40     | • Issued with GIS on 30 May 2016 (DOE-EPIMB-SIS No. 2016-05-005)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                    |                                                    |
|------------|-----------------------------------------|--------------------------------------------------|---------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Indicative | Mindanao 3 Geothermal Power Project     | Energy Development Corporation                   | Kidapawan, North Cotabato             | 40     | <p><b>FEASIBILITY STUDY:</b><br/>-On-going Feasibility Study; Resource assessment and studies in optimal power plant capacity;</p> <p><b>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</b><br/>-The project is within the DOE Service Contract -GRESC# 009-10-004;</p> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-DENR ECC obtained; Land use permits obtained;<br/>-LGU Endorsement on-going; Water right secured;<br/>-On-going preparation of DENR requirements for TL FLAG;<br/>-Water rights secured;<br/>-Turnkey Contracts pending result of feasibility study;<br/>-Clearance to Undertake GIS from DOE issued on 7 June 2012;</p> <p><b>FINANCING ARRANGEMENTS:</b><br/>-On-going sourcing of financing the project;</p> <p><b>PROJECT COST:</b><br/>-Project cost is subject to the result of the feasibility study;</p> | June 2020                                          | June 2020<br>(Target Testing and Commissioning)    |
| HYDROPOWER |                                         |                                                  |                                       | 522.74 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                    |                                                    |
| Indicative | Limbatangon Hydroelectric Power Project | Turbines Resource & Development Corp.            | Cagayan de Oro City, Misamis Oriental | 9      | <p><b>FEASIBILITY STUDY:</b><br/>-Submitted Feasibility Study, Detailed Engineering Design, and 5-Yr Work Plan;</p> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 12 July 2013;<br/>-Already secured LGU Endorsements, DENR ECC, and NCIP Certificate;</p> <p><b>FINANCING ARRANGEMENTS:</b><br/>-Financial Arrangement Secured;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/>-On-going construction;<br/>-Construction of Access Road completed</p>                                                                                                                                                                                                                                                                                                                                     | January 2018<br>(Target Testing and Commissioning) | January 2018<br>(Target Testing and Commissioning) |
| Indicative | Tagoloan                                | First Gen Mindanao Hydropower Corp.              | Impasugong & Sumilao, Bukidnon        | 39     | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 02 July 2013;</p> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b><br/>-Pending submission of requirements for construction</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | June 2018                                          | June 2018                                          |
| Indicative | Culaman Hydroelectric Power Project     | Oriental Energy and Power Generation Corporation | Manolo Fortich, Bukidnon              | 10     | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 03 June 2013;<br/>-Clearance to Undertake GIS from DOE issued on 5 October 2012;<br/>-Submission of lacking requirements e.g. permits in progress;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/>-On-going Pre-construction activities;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | June 2018                                          | June 2018<br>(Target Testing and Commissioning)    |
| Indicative | Cabadbaran Hydroelectric Power Project  | First Gen Mindanao Hydropower Corp.              | Impasugong & Sumilao, Bukidnon        | 9.75   | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 02 July 2013;<br/>-Already secured LGU Endorsements, DENR Environment Compliance Certificate, NCIP Certificate of Non-Coverage, NCIP Certificate and NWRB Permit 'Submission of lacking requirements e.g. permits in progress;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/>-On-going Pre-construction activities;</p>                                                                                                                                                                                                                                                                                                                                                                                                                     | July 2018                                          | July 2018<br>(Target Testing and Commissioning)    |
| Indicative | Tumalaong Hydroelectric Power Project   | First Gen Mindanao Hydropower Corp.              | Baugon, Bukidnon                      | 9      | <p><b>FEASIBILITY STUDY:</b><br/>-Submitted Feasibility Study and 5-Yr Work Plan;</p> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 2 July 2013;<br/>-Already secured LGU Endorsements DENR Certificate of Non-Coverage, and Conditional Water Permit;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/>-On-going Pre-construction activities;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                           | July 2018                                          | July 2018<br>(Target Testing and Commissioning)    |

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| Indicative | Pasonanca                                         | Philcarbon, Inc.                        | Zamboanga City                   | 0.5  | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 09 January 2014;<br/>-Submission of lacking requirements e.g. permits in progress;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/>-On-going Pre-construction activities;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | January 2019   | January 2019<br>(Target Testing and Commissioning)   |
| Indicative | Kitaotao 1                                        | Hedcor Bukidnon, Inc.                   | Bukidnon                         | 70   | <p><b>FEASIBILITY STUDY:</b><br/>-On going</p> <p><b>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</b><br/>-Covered by Solar Energy Services (HSC No. 2015-05-569) ;<br/>-On-going study to determine the final scheme for development and final capacity of the project;</p> <p><b>FINANCING ARRANGEMENT:</b><br/>-Parent Company will undertake to provide financial support;</p> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Permits on process for Project Site and on-going IEC;<br/>-With renewable energy service contract;<br/>-With on-going application for HSC amendment; Increase capacity from 35 MW to 70 MW.</p> <p><b>MARKETING OF CAPACITIES:</b><br/>-To be determined;</p> <p><b>CONSTRUCTION OF FACILITY:</b><br/>-To be undertaken after acquisition of permits</p> | March 2019     | March 2019<br>(Target Testing and Commissioning)     |
| Indicative | 10 MW Cabulig-2 Hydroelectric Power Plant Project | Mindanao Energy Systems, Inc.           | Jasaan, Misamis Oriental         | 10   | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-On-going permits and other regulatory requirements completion</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | December 2018  | March 2019                                           |
| Indicative | Clarin                                            | Philnew Hydro Power Corporation         | Clarin, Misamis Occidental       | 5    | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 09 April 2014;<br/>-Submission of lacking requirements e.g. permits in progress;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/>-On-going Pre-construction activities;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | April 2019     | April 2019<br>(Target Testing and Commissioning)     |
| Indicative | Mat-i-1                                           | Philnew Hydro Power Corporation         | Claveria, Cagayan de Oro         | 2    | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 09 April 2014;<br/>-Submission of lacking requirements e.g. permits in progress;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/>-On-going Pre-construction activities;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | April 2019     | April 2019<br>(Target Testing and Commissioning)     |
| Indicative | Mangima Hydroelectric Power Project               | Philnew Hydro Power Corporation         | Manolo Fortich, Bukidnon         | 10   | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 3 September 2014;<br/>-Pending submission of requirements for construction</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | September 2019 | September 2019<br>(Target Testing and Commissioning) |
| Indicative | Mat-i-2                                           | Philnew Hydro Power Corporation         | Cagayan de Oro, Misamis Oriental | 1.6  | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 3 September 2014; Submission of lacking requirements e.g. permits in progress;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/>-On-going Pre-construction activities;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | September 2019 | September 2019<br>(Target Testing and Commissioning) |
| Indicative | Mat-i-3                                           | Philnew Hydro Power Corporation         | Cagayan de Oro, Misamis Oriental | 3.25 | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 3 September 2014;<br/>-Submission of lacking requirements e.g. permits in progress;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/>-On-going Pre-construction activities;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | September 2019 | September 2019<br>(Target Testing and Commissioning) |
| Indicative | Maladugao River (Upper Cascade)                   | UHPC Bukidnon Hydro Power I Corporation | Wao, Bukidnon                    | 5.5  | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 12 January 2015;<br/>-On-going permitting;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | January 2020   | January 2020<br>(Target Testing and Commissioning)   |

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|--------------|-------------------------------------------------------|--------------------------------------------|--------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------|
| Indicative   | Maladugao River (Lower Cascade)                       | UHPC Bukidnon Hydro Power I Corporation    | Kaillangan & Wao, Bukidnon                       | 10         | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 14 April 2015;<br/>-On going permitting;</p> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b><br/>-Pending submission of requirements for construction;</p>                                                                                                                                                                                                                                                                                                | April 2020     | April 2020<br>(Target Testing and Commissioning)     |
| Indicative   | Lanon (Lam-alu)                                       | Euro Hydro Power (Asia) Holdings, Inc.     | Lake Sebu, South Cotabato                        | 9.5        | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 14 April 2015;<br/>-On going permitting;</p> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b><br/>-Pending submission of requirements for construction;</p>                                                                                                                                                                                                                                                                                                | May 2020       | May 2020<br>(Target Testing and Commissioning)       |
| Indicative   | Silo-o                                                | Philnewriver Power Corp.                   | Malitbog, Bukidnon                               | 3.29       | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 5 June 2015;<br/>-On going permitting;</p> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b><br/>-Pending submission of requirements for construction;</p>                                                                                                                                                                                                                                                                                                  | June 2020      | June 2020<br>(Target Testing and Commissioning)      |
| Indicative   | Agus III                                              | Maranao Energy Corporation                 | Pantar & Balo-I, Lanao del Sur & Lanao del Norte | 225        | <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b><br/>-Pending submission of requirements for construction;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                               | July 2020      | July 2020<br>(Target Testing and Commissioning)      |
| Indicative   | Malitbog                                              | Philnewriver Power Corp.                   | Malitbog, Bukidnon                               | 17.85      | <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b><br/>-Pending submission of requirements for construction;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                               | September 2020 | September 2020<br>(Target Testing and Commissioning) |
| Indicative   | Maramag                                               | Maramag Mini-Hydro Corp                    | Maramag, Bukidnon                                | 1.4        | <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b><br/>-Pending submission of requirements for construction;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                               | September 2020 | September 2020<br>(Target Testing and Commissioning) |
| Indicative   | Manupali                                              | Matic Hydropower Corp                      | Valencia, Bukidnon                               | 9          | <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b><br/>-Pending submission of requirements for construction;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                               | September 2020 | September 2020<br>(Target Testing and Commissioning) |
| Indicative   | Pulanai                                               | Repower Energy Development                 | Valencia, Bukidnon                               | 10.6       | <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b><br/>-Pending submission of requirements for construction;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                               | December 2020  | December 2020<br>(Target Testing and Commissioning)  |
| Indicative   | Upper Manupali                                        | Bukidnon II Electric Cooperative, Inc.     | Valencia City, Bukidnon                          | 4.4        | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of commerciality on 16 February 2016;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                | February 2021  | February 2021<br>(Target Testing and Commissioning)  |
| Indicative   | Bubunawan Hydroelectric Power Project                 | First Gen Mindanao Hydropower Corp.        | Baugon and Libona, Bukidnon                      | 23         | <p><b>FEASIBILITY STUDY:</b><br/>-Submitted Feasibility Study and 5-Yr Work Plan;</p> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>-Issued Confirmation of Commerciality on 02 July 2013;<br/>-Already secured LGU Endorsements, DENR Environment Compliance Certificate, NCIP Certificate and NWRB Permit;<br/>-Clearance to Undertake GIS from DOE issued on 28 September 2012;<br/>-Bids and tendering for the EPC started on April 2014;</p> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b><br/>-On-going Pre-construction activities;</p> | 2021           | 2021<br>(Target Testing and Commissioning)           |
| Indicative   | Lower Maladugao River Mini-Hydropower Project         | Bukidnon Maladugao Hydro Power Corporation | Kaillangan and Wao, Bukidnon                     | 15.7       | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>• Issued with GIS on 30 May 2016 (DOE-EPIMB-SIS No. 2016-08-002)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                          | TBD            | TBD                                                  |
| Indicative   | Maladugao (Upper Cascade) Hydroelectric Power Project | UHPC Bukidnon Hydro Power I Corporation    | Kaillangan, Bukidnon                             | 8.4        | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/>• Issued with GIS on 30 May 2016 (DOE-EPIMB-SIS No. 2016-08-003)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                          | TBD            | TBD                                                  |
| <b>SOLAR</b> |                                                       |                                            |                                                  | <b>238</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                                                      |

|                |                                                                             |                                           |                                                    |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                                     |
|----------------|-----------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------|
| Indicative     | San Francisco Solar Power Project                                           | GPower Inc.                               | San Francisco, Agusan del Sur                      | 10          | <p><b>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</b><br/> -Covered by Solar Energy Services (SESC No. 2015-09-252) on 29 December 2015;<br/> -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;<br/> -Currently completing documentation for selected location for the project;</p> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/> -Requested DOE Endorsement to NCIP for Certificate of No-Overlap on 29 January 2016;<br/> -ECC approved on March 2016</p> <p><b>MARKETING OF GENERATING CAPACITIES:</b><br/> -On-going negotiation for Bilateral Contract Arrangement with ASELCO through CSP;</p> <p><b>FINANCING ARRANGEMENTS:</b><br/> -On-going finalization for financing arrangements;</p> <p><b>PROJECT COST INCLUDING PRE-OPERATING EXPENSES:</b><br/> -PhP641 Million or \$14.2 Million</p> | December 2016 | December 2016<br>(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><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/> • Awarded with RE Service Contract (SESC No. 2015-02-106) on 28 Jan 2015<br/> • Certificate of Commerciality No. SCC- 2015-09-024 dated 22 Sep 2015</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | December 2018 | December 2018<br>(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><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/> • Awarded with RE Service Contract (SESC No. 2015-02-106) on 28 Jan 2015<br/> • Certificate of Commerciality No. SCC- 2015-09-024 dated 22 Sep 2015</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | December 2018 | December 2018<br>(Target Testing and Commissioning) |
| Indicative     | 60 MW General Santos City Solar Power Project                               | Astroenergy Gensan Inc.                   | General Santos City, South Cotabato                | 60          | <p><b>Feasibility Studies, Permits and Other Regulatory Requirements</b><br/> -Issued with GIS on 23 Nov 2015, GIS #2015-11-001</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TBD           | TBD                                                 |
| Indicative     | San Francisco Solar Power Project                                           | Gpower Inc.                               | San Francisco, Agusan del Sur                      | 10          | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/> • Issued with GIS on 4 April 2016 (DOE-EPIMB-SIS No. 2016-04-006)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TBD           | TBD                                                 |
| Indicative     | Jasaan Solar Power Project                                                  | Lohas and Soul Lighting, Inc.             | Jasaan, Misamis Oriental                           | 60          | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/> • Issued with GIS on 11 May 2016 (DOE-EPIMB-SIS No. 2016-04-001)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TBD           | TBD                                                 |
| Indicative     | Sumilao Solar Power Project                                                 | Sunasia Energy, Inc.                      | San Vicente, Sumilao, Bukidnon                     | 2           | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/> • Issued with GIS on 7 June 2016 (DOE-EPIMB-SIS No. 2016-05-008)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TBD           | TBD                                                 |
| <b>BIOMASS</b> |                                                                             |                                           |                                                    | <b>46.3</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                                     |
| Indicative     | 10MW Malay-balay Bio-Energy Corporation Multi Feedstock Generating Facility | Malaybalay Bio-Energy Corporation         | Bukidnon                                           | 9           | <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b><br/> -Secured Clearance from DOE for the conduct of GIS on 28 February 2014;</p> <p><b>FINANCING ARRANGEMENTS:</b><br/> -Financial Arrangement Secured;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | December 2017 | December 2017<br>(Target Testing and Commissioning) |
| Indicative     | 23.5 MW EPC Woody Biomass Power Plant Project                               | Eastern Petroleum Corporation             | Agusan del Norte                                   | 21          | <p><b>FINANCING ARRANGEMENTS:</b><br/> -Financial Arrangement Secured;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/> -For construction;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | December 2017 | December 2017<br>(Target Testing and Commissioning) |
| Indicative     | 12 MW Napier Grass-Fired Biomass Power Plant Project                        | Manolo Fortich Biomass Energy Corporation | Bukidnon                                           | 10.8        | <p><b>FINANCING ARRANGEMENTS:</b><br/> -Financial Arrangement Secured;</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b><br/> -For construction;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | January 2018  | January 2018<br>(Target Testing and Commissioning)  |

|            |                                 |                          |             |     |                                                     |               |                                                     |
|------------|---------------------------------|--------------------------|-------------|-----|-----------------------------------------------------|---------------|-----------------------------------------------------|
| Indicative | LPC Biomass Power Plant Project | Lamsan Power Corporation | Maguindanao | 5.5 | COMMENCEMENT OF CONSTRUCTION:<br>-For construction; | December 2018 | December 2018<br>(Target Testing and Commissioning) |
|------------|---------------------------------|--------------------------|-------------|-----|-----------------------------------------------------|---------------|-----------------------------------------------------|

Total Indicative Rated Capacity                      2,610.94