

Programs/Projects/Activities	Description	Geographic Coverage (province, municipality, barangay)	Resource Requirement	Physical Performance						Remarks/Impact	Issues and Challenges Encountered
				Indicator	Benchmark	Target		Actual			
					2017	2018	2019	2018	2019		
C. Economic Development											
41. Missionary Electrification Project											
a) CAPACITY ADDITION (LEASE)											
a.1) EXISTING RENTAL		Luzon/Visayas/ Mindanao		MW	37.50	37.60	36.00	37.10	35.70	TO COMPLEMENT EXISTING CAPACITY IN PSP AREAS PENDING PRIVATIZATION OF THE AREAS	
LUZON AREA	15.70	Various Areas	150,081,411.00	MW	11.50	11.60	13.00	17.10	15.70	-	
1) BASCO DPP (Lessor: HASTINGS Motor Corp.)	0.60	Basco, Batanes	8,448,000.00	MW	-	0.60	-	0.60	0.60	Commercial operation on-going. One year lease contract to end on 28 May 2020. Subject for another one (1) year lease contract.	-
2) TORRIJOS DPP (Lessor: MONARK Equipment Corp)	1.50	Torrijos, Marinduque	17,393,616.00	MW	-	1.50	-	1.50	1.50	Commercial operation on-going. One year Lease Contract to end on 15 March 2020. Procurement for another one (1) year lease contract on-going.	-
3) BOAC DPP (Lessor: AGGREKO ENERGY RENTAL SOLUTIONS)	4.00	Boac, Marinduque	31,920,455.00	MW	2.00	-	4.00	4.00	4.00	Commercial operation on-going. Newly awarded contract to end 24 October 2020.	-
4) MAMBURAO DPP (Lessor: AGGREKO ENERGY RENTAL SOLUTIONS)	4.00	Occ. Mindoro	34,632,000.00	MW	6.00	6.00	2.00	6.00	4.00	Commercial operation on-going. One (1) year lease contract to end 08 July 2020.	-

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5) EL NIDO DPP (Lessor: MONARK Equipment Corp)	2.00	Palawan	23,652,000.00	MW	1.00	1.00	3.00	1.50	2.00	Commercial operation on-going. Newly awarded contract to end on 01 Dec 2020.	-	
	2.00	Palawan	20,931,840.00	MW	1.50	1.50	2.00	2.00	2.00	Commercial operation on-going. For contract extension pending preparation of the new contract.	-	
6) TAYTAY DPP (Lessor: AGGREKO Energy Rental Corp)	1.00	Palawan	13,103,500.00	MW	1.00	1.00	2.00	1.50	1.00	Commercial operation on-going. Newly awarded contract to end on 15 December 2020.	-	
7) TICAO DPP (Lessor: DMX Tech.)	0.60	Palawan	8,269,000.00	MW	-	-	-	-	0.60	On-going mobilization of gensets.	-	
VISAYAS AREA	1.50					1.50					-	
Camotes DPP	1.50	Camotes Island, Cebu	190,521,450.00	MW		1.50				Bid Schedule on 27 December 2019 postponed.	-	
MINDANAO AREA	20.00	Mindanao Areas	231,412,184.00	MW	26.00	24.50	14.00	20.00	20.00		-	
8) DINAGAT DPP (Lessor: MONARK Equipment Corp & AGGREKO Energy Rental Solutions)	2.00	Dinagat Island	18,432,000.00	MW	2.00	1.50	-	2.00	2.00	Commercial operation on-going. One year Lease contract to end on 15 August 2020.	-	

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	0.50	Dinagat Island	9,849,600.00	MW	0.50	0.50	-	0.50	0.50	Commercial operation on-going. One year lease contract to end on 19 April 2020.	-	
9) JOLO DPP (Lessor: AGGREKO Energy Rental Solutions & MONARK Equipment Corp.)	4.50	Busbus, Jolo, Sulu	62,000,000.00	MW	4.50	4.50	4.50	4.50	4.50	Commercial operation on-going. One year Lease contract to end on 23 February 2020. Another one (1) year lease contract on process.	-	
	3.00	Busbus, Jolo, Sulu	29,506,584.00	MW	3.00	3.00	4.50	3.00	3.00	Commercial operation on-going. Newly awarded contract to end on 25 Nov 2020.	-	
10) BASILAN DPP (Lessor: AGGREKO Energy Rental Solutions)	5.00	Isabela, Basilan	58,000,000.00	MW	5.00	5.00	5.00	5.00	5.00	Commercial operation on-going. One year Lease contract with contract extension until 21 January 2020. New one (1) year lease contract on process.	-	
	3.00	Isabela, Basilan	30,800,000.00	MW	3.00	3.00	-	3.00	3.00	Commercial operation on-going. Lease contract to end on 02 September 2020.	-	
11) KALAMANSIG DPP (Lessor: MONARK Equipmt. Corp)	2.00	Sultan Kudarat	22,824,000.00	MW	3.00	2.00	-	2.00	2.00	Commercial operation on-going. Lease contract to end on 08 June 2020.	-	
12) BONGAO DPP	5.00	Tawi Tawi		MW	5.00	5.00	-	-	-	NPP (Kaltimex) has taken-over the NPC function on 25 July 2018.	-	
REPLACEMENT							9.00				-	
13) PB 120	4.00	Mogpog, Marinduque	6,895,350.00	MW			4.00			Capacity replacement for its drydocking, three (3) months only	-	
			3,266,550.00									

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14) Romblon Grid	1.00	Romblon, Romblon	3,267,600.00	MW			1.00			Capacity replacement for the drydocking of PBs 109 & 114, 6months only (3months each). With 1.8MW capacity addition for the land base in 2018 and 1.8MW additional capacities for the barges.	
15) PB 119	4.00	Isabela, Basilan	17,146,500.00	MW			4.00			Capacity replacement for its drydocking, 3 months only.	
b) INCREASE IN OPERATING HOURS											
b.1) INCREASE IN OPERATING HOURS (EXISTING AREA)		Luzon/Visayas/ Mindanao								TO COMPLY WITH DOE MANDATE FOR 24/7 SERVICE OPERATION IN ALL MISSIONARY AREAS	
LUZON/VISAYAS/MINDANAO		Various Areas			280.00	47.00	34.00	37.00	24.00		
4-8 HOURS		Various SPUG Areas			211.00	5.00	1.00	15.00	1.00	Increase in operating hours served as scheduled.	
9-16 HOURS		Various SPUG Areas			27.00	33.00	16.00	14.00	6.00	Implementation of the increase of operating hours for 10 plants is pending due to the delay of capacity addition projects to complement the increase of demand.	
24 HOURS		Various SPUG Areas			42.00	9.00	17.00	8.00	17.00	Increase in operating hours served as scheduled.	

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c. CAPACITY ADDITION (New)		Various SPUG Areas		MW	31.27	30.65	19.08	9.12	2.46	TO PROVIDE ADDITIONAL CAPACITY IN THE MISSIONARY AREAS		
300 KW Gensets and Below	4.425	Various SPUG Areas	75,334,467.82	MW	5.26	-	-	-	-	- 16 units successfully energized (3.55MW) and connected to the grid. - Take-over of Contract by NPC effective 22 November 2016.	Contract terminated by NPC.	
10 x 600 KW Modular Gensets -2x600KW Kalamansig DPP -2x600KW Dinagat DPP -1x600KW Mapun DPP -1x600KW Taytay DPP -1x600KW Tingloy DPP -2x600KW El Nido DPP -1x600KW Ticao DPP	6.00	Various SPUG Areas	77,471,398.80	MW	8.40	-	-	-	-	- Under Work Suspension. - Completed pre-inspection/ inventory by NPC (SPUG-MRMD) and the Contractor (TPI). 1 Unit is still at the Contractor's warehouse. - The Team recommended to conduct a diagnostic test and evaluate operational worthiness of the entire electrical components, circuit breakers, power transformers and associated protection devices of the generating equipment.	-Works suspended as of 05 February 2019. NPC is holding in abeyance the implementation of all remaining activities unless all pending issues are resolved. -Unit model is the same with that of the 14 x 600 KW Project. T&C of some units were discontinued due to smoldering/overheating of the Exhaust Manifold. - The case is still in arbitration at the Philippine Dispute Resolution Center (PDRC).	
5 x 1,000 KW for Boac DPP	5.00	Marinduque	288,048,656.97	MW	5.00	4.00	-	-	-	- Certificate of Completion (Provisional Acceptance) was issued effective 11 July 2017. - Successfully conducted Insulation Power Factor Test for the replacement transformer on 26 July 2019. SAT Punchlist No. 2 already closed.	- For rectification of the Contractor the following punchlists: a. Two (2) remaining SAT punchlist items of the replacement transformer: * SAT Punchlist No. 3 - Excitation Current Test * SAT Punchlist No. 5 - Full Load Test - Failed test on 26 July 2019. b. Two (2) remaining JFI punchlist items: * JFI Punchlist No. 7 - Supply & Installation of Flow Meters * JFI Punchlist No. 29 - Remote Monitoring System - For troubleshooting by the Contractor - For re-conduct of reliability test of Genset No. 4 due to failed 5-hour capability test last 26 July 2019. No schedule yet. - Target completion for the remaining JFI punchlist items by EO December 2019 due to pending issues on the release of flow meters from the Bureau of Customs.	

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13x600 KW Gensets for Refleeting Program	7.80	Various SPUG Areas	255,746,917.38	MW	7.80	-	-	-	-	-	- 12 out of 13 units (7.2 MW/7.8 MW) commercially operated as of June 2017. One (1) unit (0.6 MW) commercially operated on January 2018. - Certificates of Final Acceptance (CFA) for Power Barge 116, Kalamansig DPP, San Vicente DPP, Ninoy Aquino DPP, Tingloy DPP, Polilio DPP and Ticao DPPs already approved and issued to the Contractor.	- All required works including defects/liability during warranty period and including downtime hours of the 13 units attributed to the Supplier were already completed.
1 x 1500 kW Dinagat DPP	1.50	Dinagat	69,509,183.48	MW	1.50	3.00	-	-	-	-	- Project completed as of 02 October 2017. - Certificate of Final Acceptance effective 09 September 2019 already issued.	-
3 x 600 KW for Romblon Power Barges - 2x 600 KW PB116 - 1x600 KW PB109	1.80	Romblon/Siquijor	48,976,000.00	MW	2.25	-	-	-	-	-	-1.2 MW (2 units) for PB-116 commercially operated on 21 October 2017. - 0.6 MW (1 unit) for PB-109 commercially operated on 06 August 2017.	
1 x 650 for PB 109	0.650	Tablas, Romblon		MW	0.650						Commissioned on 07 August 2017	
2 x 200 KW Limasawa DPP	0.400	Limasawa, Leyte		MW	0.410				0.080		Commissioned on 09 September 2017 (0.41MW) and 06 December 2018 (0.08MW)	
2x200KW (Languyan DPP) and 2x150KW (Pandami DPP) Gensets	0.400	Tawi-Tawi	19,639,000.00	MW	-				0.320		Supply contract completed. -2x200KW gensets for Languyan DPP energized/ inaugurated on 10 December 2018.	
	0.300	Sulu		MW	-	0.600	-		0.240		-2x150KW gensets for Pandami energized/ commercially operated on 24 October 2018.	

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5 x 1000 kW Containerized Gensets, Auxiliaries and Balance of Plant for Basilan Power Plant	5.00	Basilan	445,518,000.00	MW	-	5.00	5.00	-	-	- Project accomplishment, 85.79% completed. - 5 Units of diesel gensets were already delivered at site. - Target energization/ commissioning by end of January 2020.	- Work Suspension effective 07 February 2019 due to peace and order situation was already lifted and works resumed last 04 August 2019. - Late delivery of electro-mechanical equipment hampered the energization of gensets.	
Construction of Power Facilities including Supply, Delivery, Installation, Test & Commissioning of 190 KW Modular Genset for the Electrification of Five (5) Barangays (Tictabon, Tumaloptap, Pangapuyan, Manalipa and Great Sta. Cruz DPP) at Zamboanga Del Sur	0.19	Zamboanga Del Sur	41,686,400.00	MW	-	-	0.18	-	-	- Under Work Suspension due to unavailability of required Special Agreement on Protected Areas (SAPA) from DENR. - Project accomplishment, 30.33 % completed as of suspension of works. - Four (4) Units of diesel gensets and electrical appurtenances already delivered at respective sites. One (1) Unit still remains at Zamboanga City Port Area. - Conducted joint site inspection among PMD, SPUG-MOD and the Contractor at Great Sta. Cruz DPP, Pangapuyan DPP and Tictabon DPP on 21 December 2019 to assess contractor's accomplishment and remaining activities. - The Resolution for SAPA Application for Great Sta. Cruz Island is for signature of the Mayor of Zamboanga. <u>1 x 90KW Tictabon DPP, 1 x 40 KW Manalipa DPP, 1 x 40kW Tumaloptap DPP and 1 x 10kW Pangapuyan DPP</u> • No activity at the project site. <u>1 x 10kW Great Sta. Cruz DPP</u> • No activity at the project site.	- Works suspended effective 18 October 2018 due to unavailability of required Special Agreement on Protected Areas (SAPA) from DENR. - Delay/negative slippage due to delayed submission of documents and drawings, Construction Methodology and FAT Procedures Manual. - During the conduct of Site Acceptance Test (SAT) for the gensets, eight (8) SAT punchlists were identified. - 0.18 MW Target commissioning will spill-over in CY 2020. - 0.01 MW (10 kW Great Sta. Cruz) Target commissioning will spillover in CY 2020.	
Construction of Power Facilities including Supply, Delivery, Erection/Installation, Test and Commissioning of 2 x 180kW Modular Gensets & Associated Electrical Equipment & BOP for Electrification of Four (4) Barangays at Naro Island, Masbate	0.36	Masbate	23,465,000.00	MW	-	-	0.36	-	-	- Project accomplishment, 75.33% completed. - Ongoing fabrication of 10 m3 Fuel Oil Storage Tank, filling of gravel bedding at the switchyard area, installation of perimeter lighting pole and electrical wires and conduits. - 2 Units of diesel gensets and electrical accessories already delivered at site. - Target commissioning by 1st quarter CY 2020.	- Delay/negative slippage due to difficulty in hauling of electrical equipment & construction materials from Cawayan Port to project site since there is no existing port at Naro Island. - Minimal accomplishment is due to inclement weather condition. - For delivery of power cables by the Contractor.	

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Construction of Power Facilities including Supply, Delivery, Erection, Installation, Test and Commissioning of 90kW Modular Generating Sets Including BOP for Electrification of 5 Barangays at Tagubanhan Island	0.09	Iloilo	10,377,000.00	MW	-	-	0.090	-	-	<ul style="list-style-type: none"> - Project accomplishment, 83.36% completed. - The 90 KW diesel genset was already delivered at site. - Remaining works include delivery & installation of remaining switchyard appurtenances, XLPE cables and delivery of spare parts. - Final Show Cause Order already issued to the Contractor. - Target commissioning by 3rd quarter CY 2020. 	<ul style="list-style-type: none"> - Delay/negative slippage due to late delivery of electro-mechanical materials/accessories and submission of material sample card & construction drawings. 	
Construction of Power Facilities including Supply, Delivery, Erection/Installation, Test and Commissioning of 2x50kW Gensets & Associated Electrical Equipment & BOP for the Electrification of Three (3) Barangays – Brgy. Gibusong Island, Loreto Province of Dinagat Island Under Off-Grid Electrification Project Dinagat Island	0.10	Dinagat	13,377,000.00	MW	-	-	0.10	-	-	<ul style="list-style-type: none"> - Project accomplishment, 92.12% completed. - 2 Units of diesel gensets already delivered and mounted. - Joint Final Inspection conducted last 20-22 December 2019. Ongoing rectification of 44 identified T & C punchlist items. - Rectification of SAT generated punchlist items already completed. SAT Punchlist Nos. 1, 2, & 3 are closed per verification of results of re-tests. - Remaining works include: Switchyard and Appurtenances (CT/PT & Billing Meter), Fuel & Water Piping System and Genset Spare Parts. - Target commissioning by end of January 2020. 	<ul style="list-style-type: none"> - Delay/negative slippage due to late submission of documents and drawings, Construction Methodology and FAT Procedures Manual and late delivery of generating sets and other electrical appurtenances at the project site. - Initial conduct of test and commissioning activities last 20 December 2019 was not completed due to Contractor's lack of major electrical equipment and accessories. - The lacking electrical equipment and accessories hampered the energization of gensets and assembly of prefabricated container house. - The Contractor was penalized for non-conformance of the guaranteed maximum fuel rate. 	
Construction of Power Facilities including Supply, Erection/Installation, Test & Commissioning of Forty Seven (47) Units of Modular Diesel Generating Sets and Electrical Equipment for Luzon SPUG Areas under Schedule 1	13.00	Various Luzon SPUG Areas	538,974,727.18	MW	-	-	13.00	-	-	<ul style="list-style-type: none"> - Project Accomplishment, 80.37% completed as of suspension of works. - 44 units of gensets were already delivered to 17 project sites. - Test & Commissioning for Rizal DPP, Cullion DPP and Linapacan DPP conducted on December 2019 with identified punchlist items for rectification. - Final Show Cause Order issued to the Contractor last 1 April 2019. - Target commissioning of remaining units by 1st quarter CY 2020. 	<ul style="list-style-type: none"> - Delay/negative slippage due to late delivery of gensets per approved Implementation Schedule. - Suspension of Work was issued effective 02 May 2019 due to difficulty in hauling/delivery of gensets and electrical equipment to project sites and design changes to suit actual field condition, lifted on 19 November 2019 for 14 project sites. Four (4) sites (Itbayat, Sabtang Rapu-Rapu and San Pascual) remained suspended. - Remaining three (3) Gensets, transformers, and other equipment were already at Rapu-Rapu Pier. Pending delivery to the plants due to ongoing road construction by DPWH. 	

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Construction of Power Facilities including Supply, Delivery, Erection, Test and Commissioning of BOP for New Areas Electrification in Samar Province in Three (3) Schedules (9) Areas)	0.350	Samar	86,443,365.75	MW	-	-	0.350	-	-	-Overall Project Accomplishment -- 81.43% completed. - All nine (9) units diesel gensets (Schedules 1, 2 & 3) were already delivered at site. - Ongoing delivery of transformers, cables, instrumentation & switchyard appurtenances to respective sites. - Civil works for eight (8) sites already completed (except for Habag DPP). <u>Schedule 1 - Project Accomp. 77.17% completed</u> Schedule 1 - 77.17% completed. Casuguran DPP: (Actual): 78.90% Cagusuan DPP: (Actual): 78.52% Inapulangan DPP: (Actual): 76.58% Suluan DPP (Actual): 77.41% Habag DPP (Actual): 73.90% <u>Schedule 2 - Project Accomp. 88.41% completed</u> Hilabaan DPP (Actual): 88.57% Tikling DPP (Actual): 88.84% Sta. Monica DPP (Actual): 87.87% Schedule 3 - Project Accomp., 80.12% completed (San Vicente, Northern Samar) Tarnate DPP (Actual): 80.12% • One (1) genset already delivered at site. • Site Acceptance Test (SAT) for gensets under Schedule 3 already approved (AWCI). • Material Sample Cards/drawings already approved.	- Contract Suspension No. 2 for Schedules 1 and 2 effective 18 January 2019 due to peace and order situation in the area was already lifted as of 10 September 2019. - Delay in the project implementation is attributable to the unavailability of sea craft bound to the project sites due to sea condition and peace and order situation in the area(Sched. 1 & 2). - Delay in the submission of Material Sample Cards and brochures by the Contractor.
Construction of Power Facilities including Supply, Delivery, Installation, Test and Commissioning of 4 x 1.0 MW Containerized D/G Sets and Auxiliaries for Boac DPP	4 MW	Marinduque	310,955,040.20	MW	-	-	-	-	-	- Project accomplishment, 71.98% completed. - 4 Units of diesel gensets were already delivered at site. - Cable tray and cable laying, 63.27% completed. - Target completion is on 11 March 2020.	-
1x160 KW AGUTAYA DPP	0.160	Agutaya, Palawan		MW		-		0.160		Comm'l operation on 04/17/2018	
MARINAWA DPP	2.200	Marinawa, Catanduanes		MW		-		2.200		Comm'l operation on 01/11/2018	
2x80 KW MONGPONG DPP	0.08	Mogpog, Marinduque		MW				0.080		Comm'l operation on 05/25/2018	
	0.080	Mogpog, Marinduque		MW				0.080		Comm'l operation on 06/23/2018	
1x160 KW MACONACON DPP	0.160	Maconacon, Isabela		MW		0.200		0.160		Comm'l operation on 06/08/2018	

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1x80 KW MINABEL DPP	0.080	Camiguin Island, Cagayan		MW				0.080		Comm'l operation on 07/08/2018	
1x256KW CALUYA DPP	0.256	Semirara, Antique		MW				0.256		Comm'l operation on 06/12/2018	
1X250KW PILAR DPP	0.250	Pilar, Cebu		MW				0.250		Comm'l operation on 11/10/2018	
2x80 KW TAGAPUL-AN DPP	0.160	Tagapul-an, Western Samar		MW				0.150		Comm'l operation on 01/16/2018	
1x250 KW SAN ANTONIO DPP	0.250	San Antonio, Northern Samar		MW				0.250		Comm'l operation on 01/12/2018	
PAMILACAN DPP (1x50 KW, 1x80 KW)	0.050	Pamilacan, Bohol		MW				0.050		Comm'l operation on 01/29/2018	
	0.080	Pamilacan, Bohol		MW				0.080		Comm'l operation on 06/17/2018	
1x90 KW CINCO RAMA DPP	0.090	Cinco Rama, Bohol		MW		0.090		0.090		Comm'l operation on 06/19/2018	
1x80 KW CUAMING DPP	0.080	Cuaming, Bohol		MW				0.080		Comm'l operation on 01/23/2018	
1x600 KW PB 116	0.600	Cebu		MW				0.600		Comm'l operation on 01/14/2018	
1x80 KW BATAG DPP	0.080	Batang Island, N. Samar		MW				0.080		Comm'l operation on 01/25/2018	
1x80 KW BAGONGON DPP	0.080	Catbalogan, W. Samar		MW				0.080		Comm'l operation on 02/05/2018	
1x80 KW HAMBONGAN DPP	0.080	Hambongan Island, Bohol		MW				0.080		Comm'l operation on 05/11/2018	
1x80 KW MANTATAO DPP	0.080	Mantatao Island, bohol		MW				0.080		Comm'l operation on 06/13/2018	
1x80 KW BAGONGBANWA DPP	0.080	Bagongbanwak, Bohol		MW				0.080		Comm'l operation on 08/02/2018	
1x80 KW KIRIKITE DPP	0.080	Kirikite, Western Samar		MW				0.080		Comm'l operation on 09/01/2018	
STO. NIÑO DPP (1x80 KW, 1x160 KW)	0.080	Sto. Niño Island, W. Samar		MW				0.080		Comm'l operation on 11/09/2018	
	0.160	Sto. Niño Island, W. Samar		MW				0.160		Comm'l operation on 11/08/2018	
SEN. NINOY AQUINO DPP (1x300 KW, 1x200 KW)	0.300	Sen. Ninoy Aquino, Sultan Kudarat		MW				0.300		Comm'l operation on 02/22/2018	
	0.200	Sen. Ninoy Aquino, Sultan Kudarat		MW				0.200		Comm'l operation on 05/11/2018	
1x150 KW TANDUBANAK DPP	0.150	Tawi Tawi		MW				0.150		Comm'l operation on 06/25/2018	
1x200 KW TALICUD DPP	0.200	Davao del Norte		MW				0.200		Comm'l operation on 04/06/2018	
SIASI DPP (1x550 KW, 1x300 KW)	0.550	Sulu		MW				0.500		Comm'l operation on 02/11/2018	
	0.300	Sulu		MW				0.300		Comm'l operation on 10/28/2018	
1x80 KW MANUK MANGKAW DPP	0.080	Tawi Tawi		MW				0.080		Comm'l operation on 02/24/2018	
Electrification of 3 Barangays at Calaguas Group of Islands, Vinzons, Camarines Norte under the Off-Grid Electrification Project	0.090	Camarines Norte		MW				0.090		Commissioned in August 2018/Commercial operation in May 2019.	

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				Indicator	Benchmark	Target		Actual			
					2017	2018	2019	2018			2019
Electrification of 6 Barangays at Camandag Is.	0.100	Western Samar		MW				0.080		Commissioned in September 2018/Commercial operation in May 2019.	
1x300 kW Claveria DPP	0.300	Masbate		MW				0.300		Comm'l operation on 06/05/2018	
1x300kW Patnanungan DPP	0.300	Quezon		MW				0.300		Comm'l operation on 05/21/2018	
1x80 kW Biton DPP	0.080	Palawan		MW				0.080		Comm'l operation on 10/29/2018	
1x80 kW Casian DPP	0.080	Palawan		MW				0.080		Comm'l operation on 10/24/2018	
1x300 kW Linapacan DPP	0.150	Palawan		MW				0.150		Comm'l operation on 12/11/2018	
1x80 kW Nangalao DPP	0.080	Palawan		MW				0.080		Comm'l operation on 10/05/2018	
1x300 kW West Simunul DPP	0.300	Tawi-Tawi		MW				0.300		Comm'l operation on 9/26/2018	
1x40 KW Palumbanes DPP	0.040	Palumbanes, Catanduanes		MW		0.040			0.080	Comm'l operation on 5/01/2019	
1x100 KW Quinalasag DPP	0.100	Quinalasag, Camarines Sur		MW		0.100				Spillover to 2020, with additional capacity of 500KW	
2x600 KW Lubang DPP	1.200	Lubang Island, Occidental Mindoro		MW		1.200			0.600	Comm'l operation on 6/5/2019	
1x600 KW PB109	0.600	Romblon, Romblon		MW		0.600				Deferred	
2x300 KW Corcuera DPP	0.600	Corcuera Island, Romblon		MW		0.600				Spillover to 2020 under Schedule IV-A	
1x300 KW Gagayancillo DPP	0.300	Gagayancillo, Palawan		MW		0.300				Target project completion EO December 2019	
1x600 KW Camotes Is. DPP	0.600	Camotes Island, Cebu		MW		0.600				Spillover to 2020 under Schedule II-C	
1x120 KW Cabul-an, Buenavista	0.120	Buenavista, Bohol		MW		0.120				Spillover to 2020 under Schedule II-B with revised capacity addition 2x50KW	
2x600 KW PB119	1.200	Isabela, Basilan		MW		1.200				Deferred	
5x1000 KW Jolo DPP	5.000	Jolo, Sulu		MW		5.000				Deferred	
5x1000 KW Bongao DPP	5.000	Bongao, Tawi Tawi		MW		5.000				Private Power has taken over the function of NPC in the area on August 2018.	
1x80 KW Sibolo DPP	0.080	Antique		MW					0.080	Comm'l operation on 1/21/2019	
1x80 kW Libucan DPP	0.080	Western Samar		MW					0.080	Comm'l operation on 2/19/2019	
1x80 kW Paly DPP	0.080	Palawan		MW					0.080	Comm'l operation on 3/28/2019	
1x250 kW Maripipi DPP	0.250	Biliran		MW					0.250	Comm'l operation on 4/26/2019	
3x1000 KW Kalamansig DPP	3.00	Kalamansig, Sultan Kudarat		MW		3.00			0.600	Comm'l operation on 4/26/2019	

Monitoring of Programs, Projects and Activities for CY 2018-2019
 Implementing Agency: National Power Corporation
 As of 31 DECEMBER 2019

Programs/Projects/Activities	Description	Geographic Coverage (province, municipality, barangay)	Resource Requirement	Physical Performance						Remarks/Impact	Issues and Challenges Encountered
				Indicator	Benchmark	Target		Actual			
					2017	2018	2019	2018	2019		
1x150 kW Capul DPP	0.150	Northern Samar		MW					0.150	Comm'l operation on 4/27/2019	
1x80 kW Cabra DPP	0.800	Occ. Mindoro		MW					0.080	Comm'l operation on 5/13/2019	
1x300 kW Sitangkai DPP	0.300	Tawi-Tawi		MW					0.300	Comm'l operation on 5/13/2019	
1x80 kW Palimbang DPP	0.080	Sultan Kudarat		MW					0.080	Comm'l operation on 5/13/2019	
1x80 kW Manu Mangkaw DPP	0.08	Tawi-Tawi		MW					0.08	Comm'l operation on 5/30/2019	
d) TRANSMISSION LINE		Masbate/Palawan/ Occ. Mindoro		Ckt-Km	22.55	296.35	228.68	83.26	213.41	TO IMPROVE POWER SUPPLY IN THE MISSIONARY AREAS	
Extension of Moba-Arroy 69 kV T/L Project **	3.17	Masbate	25,496,800.00	KM.	1.02	-	-	-	-	Completed, energized and on-going commercial operation in 24 December 2017.	
* Not included in the Performance Scorecard Targets. ** Based on T/L segments/sections with stringing /Actual Accomplishments.											
Virac (Marinawa) – San Miguel T/L Project **	15.67	Catanduanes	143,420,721.00	KM.	-	15.15	15.15	5.79	9.88	- Remaining 9.88 / 15.67 kms completed as of December 2019; 5.79 kms completed in CY 2018. - Actual length was increased from 15.15 kms to 15.67 kms. - Energized at 13.8kV as of 26 July 2019.	
Mansalay-San Jose 69 kV T/L Project Schedule 1: 34 km.; 221,969,026.25 Schedule 2: 26 km.; 139,033,794.25	64.60	Mindoro	221,969,026.25 139,033,794.25	KM.	-	66.00	60.00	-	50.00	Schedule 1: Project accomplishment, 86.77% completed. - Stringing of Power Conductor and OHGW, 24 kms completed. Schedule 2: Project completed as of 24 September 2019. - Stringing of Power Conductor and OHGW, 26 kms completed. - Suspension of Works already lifted effective 09 September 2019.	- Suspension of works for Schedule 1 was issued effective 20 June 2019 due to Right-of-Way issues with the affected Indigenous People (IP) and requests for re-routing of the transmission line approximately 9.28 kms by the Local Government Unit. - For resumption of work.

Programs/Projects/Activities	Description	Geographic Coverage (province, municipality, barangay)	Resource Requirement	Physical Performance						Remarks/Impact	Issues and Challenges Encountered
				Indicator	Benchmark	Target		Actual			
					2017	2018	2019	2018	2019		
Bansud-Mansalay 69 kV T/L Project **	64.6	Or. Mindoro	380,158,000.00	KM.	-	-	64.53	-	64.53	<ul style="list-style-type: none"> - Remaining 3.37/ 64.60 kms completed as of December 2019; 61.23 kms completed in CY 2016. - Remaining activities i.e. ROW clearing, megger testing, installation of additional intermediate poles to low sag areas and modification of steel cross arm for type B into type E structures yet to be completed. - For schedule of test and commissioning upon rectification of remaining punchlist items. - Target completion of rectification of remaining punchlist items by January 2020. 	<ul style="list-style-type: none"> - Suspension of Work No.1 was issued effective 09 November 2016 due to ROW issues, lifted on 07 February 2017. - Suspension of Work No. 2 was issued effective 22 February 2017 due to expropriation cases, lifted on 17 June 2019.
Rehabilitation of Calapan-Bansud 69 kV T/L Project, Schedule 1 **	44.00	Oriental Mindoro	318,733,000.00	KM.	21.53	-	-	22.47	-	Project completed and energized on May 25, 2018. CFA already issued to the Contractor.	-
Rehabilitation of Calapan-Bansud 69 kV T/L Project, Schedule 2	42.00	Oriental Mindoro	30,314,703.00	KM.	-	42.00	42.00	-	42.00	- Project completed as of 13 September 2019.	-
Not included in the Performance Scorecard Targets.											
** Based on T/L segments/sections with stringing/Actual Accomplishments.											
Rehab of Calapan-Minolola (Puerto Galera) 69 kV T/L, Schedule 1	41.00	Oriental Mindoro	337,411,699.00	KM.		41.00		41.00		<ul style="list-style-type: none"> - Project completed as of 28 April 2018 and commissioned on 12 May 2018. - Stringing of Power Conductors and OHGW, 41.08kms completed. - Joint Final Inspection (JFI) was conducted on 23-27 April 2018. Three Hundred Thirty Seven (337) punchlist items were identified, 85% completed/rectified. 	- For rectification of remaining punchlist items.
Rehabilitation of Boac-Torrijos 69kV Transmission Line Project	47.00	Marinduque	369,550,146.85	KM.	-	-	47.00	-	47.00	<ul style="list-style-type: none"> - Project completed as of 14 November 2019. - Certificate of Completion routed for signature and approval on 23 December 2019. - Stringed Power Conductors and OHGW, 47kms completed. - Joint Final Inspection (JFI) conducted on 04-08 November 2019. 	- Suspension of Works was issued effective 01 July 2019 due to pole structures situated in rock areas.

Programs/Projects/Activities	Description	Geographic Coverage (province, municipality, barangay)	Resource Requirement	Physical Performance						Remarks/Impact	Issues and Challenges Encountered	
				Indicator	Benchmark	Target			Actual			
					2017	2018	2019	2018	2019			
Taytay - El Nido 69 kV T/L	60.90	Palawan		KM.		60.90				Schedule for CY 2021		
Supply, Erection/Installation and Test of 13.8kV Distribution Line Extension/ Upgrading in Divilacan, Isabela under the Off-Grid Electrification Project *	14 km.	Isabela	74,357,542.36					14.00		- Project was energized on 19 June 2018 and was inaugurated on 26 July 2018.		
e) SUBSTATION		Catanduanes/ Mindoro		MVA	10.00	25.00	30.00	5.00	20.00	TO IMPROVE POWER SUPPLY IN THE MISSIONARY AREAS		
Taytay 69 kV Substation	5.00	Palawan	126,987,778.48	MVA	-	-	5.00	-	5.00	- Temporarily energized at 13.8kV on December 2019 with remaining punchlist item (delivery of spare parts). - 2nd Joint Final Inspection conducted on 2-6 December 2019. Functionality test for primary equipment and simulation of control panels already conducted. - Training for operation of substation equipment conducted.		
Virac (Marinawa) Substation	10.00	Catanduanes	134,996,496.06	MVA	10.00	-	-	-	10.00	- Project completed as of 02 May 2018. - Energized on 21 September 2019.		
Codon Load-end Substation	5.00	Catanduanes	96,942,300.00	MVA	-	5.00	-	5.00	5.00	- Project completed as of 24 January 2019 and inaugurated last 25 July 2019. - Energized on 21 September 2019. - Delivered spare parts for 69kV CT, 69kV VT and Accessories on 11 November 2019. - Six (6) SAT punchlists of Power Circuit Breaker for rectification.	- Follow up letter was sent to the Contractor last 06 September 2019 regarding the rectification of six (6) SAT punchlists of PCB and compliance of remaining JFI punchlists (Delivery of Tools and Spare Parts).	

Programs/Projects/Activities	Description	Geographic Coverage (province, municipality, barangay)	Resource Requirement	Physical Performance						Remarks/Impact	Issues and Challenges Encountered	
				Indicator	Benchmark		Target		Actual			
					2017	2018	2018	2019	2018			2019
San Miguel Substation	10.00	Catanduanes	92,565,000.00	MVA	-	-	5.00	-	-	- Construction works, 58.59% completed. - 2nd Joint Final Inspection was successfully conducted on 04 December 2019. 36 out of 67 punchlist items already closed. - Target completion is on 22 April 2020.		
Mogpog Substation (10 MVA Boac and new 10 MVA)	20.00	Marinduque	155,000,000.00	MVA	-	20.00	20.00	-	-	- On-going clearing activity and conduct of survey staking/lay-out. - On-going testing of local construction materials; sand, aggregates, and cement. - Target completion is on 24 August 2020.		
47. NATIONAL RENEWABLE ENERGY PROGRAM										TO CONTRIBUTE TO CLEANER ENERGY SOURCES TO PARTLY REPLACE DIESEL GENERATION WITH RENEWABLE ENERGY		
a) Pilot RE Project in Missionary Areas	LIMASAWA Hybrid SOLAR Project - 120KW (PEAK)	Limasawa, Southern Leyte		MWp	-	-	0.12	-	-			

Programs/Projects/Activities	Description	Geographic Coverage (province, municipality, barangay)	Resource Requirement	Physical Performance					Remarks/Impact	Issues and Challenges Encountered	
				Indicator	Benchmark	Target		Actual			
					2017	2018	2019	2018			2019
Design, Supply, Delivery, Installation, Test and Commissioning Works of LIMASAWA Solar Photovoltaic (PV) with Energy Storage System (ESS) - Diesel Hybrid Power Plant Contractor: Power Dimension, Inc. (PDI) Contract Implementation Schedule: Date Start: 23 March 2018 Date Completion: Original Expiry - 17 Nov 2018 Revised Expiry per Work Suspension/Resumption - 13 April 2019	Design, Supply, Delivery Installation, Test and Commissioning Works	Limasawa, Southern Leyte	P 53,825,000.00	MWp			0.12			Actual accomplishment as of date is 98.37 %. - Delay/Negative slippage (1.63%) due to remaining works for the integration of the system and over-all test and commissioning including rectification of punchlist items. - 19 out of 42 remaining JFI punchlist items for rectification. -Ongoing scouting of the contractor for the new Power Conversion System (PCS) to comply with the NPC requirements. - The contractor committed to deliver the new PCS on December 2019 for the resumption of T&C works.	All remaining activities beyond the contract expiry shall be subjected to Liquidated Damages (LD).
E. Climate Change Adaptation & Mitigation										TO CONTRIBUTE TO CLIMATE CHANGE MITIGATION	