



PT PLN (Persero)

Quarterly Report – Q4 2020

Sustainable Energy Access in Eastern
Indonesia - Electricity Grid Development
Program

Result Based Lending (RBL) – ADB

Result Based Lending (RBL) – KfW

15 February 2021

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Abbreviations

ADB	=	Asian Development Bank
KfW	=	Kreditanstalt für Wiederaufbau
AMK	=	Aplikasi Manajemen Kontrak (Contract Management Application)
AP2T	=	Aplikasi Pelayanan Pelanggan Terpusat (Centralised Customer Service Application)
APKT	=	Aplikasi Pengaduan dan Keluhan Terpadu (Integrated Complaints Management Application)
ckm	=	Circuit kilometre
COD	=	Commercial Operation Date
DLI	=	Disbursement-Linked Indicator
ERP	=	Enterprise Resource Planning
FPR	=	Financing for Prior Results
GIS	=	Geographic Information System
GWh	=	Gigawatt-hour
IVA	=	Independent Verification Agent
KPI	=	Key Performance Indicator
kV	=	Kilovolt
MVA	=	Megavolt-ampere
PAP	=	Program Action Plan
PID	=	Project Implementation Document (ADB)
PLN	=	Perusahaan Listrik Negara (State-Owned Electricity Company)
PMU	=	Program Management Unit
PPA	=	Power Purchase Agreement
RBL	=	Results Based Lending (ADB)
RUPTL	=	Rencana Usaha Penyediaan Tenaga Listrik (Electricity Power Supply Business Plan)
SAIDI	=	System Average Interruption Duration Index
SAIFI	=	System Average Interruption Frequency Index
SILM	=	Sistem Informasi Laporan Manajemen (Management Reporting Information System)
SNT	=	Sulawesi dan Nusa Tenggara
SPKK	=	Satuan Pemantau Kinerja Korporat (PLN internal performance management unit)

1. INTRODUCTION

1.1 Background

On October 10th, 2017, PT PLN (Persero) signed the loan agreements with ADB, worth US\$600 million (period 2017-2021), and On December 8th, 2020 PT PLN (Persero) signed the loan agreements with KfW (period 2019-2024), worth US\$310 million. The ADB and KfW loans will jointly support Sustainable Energy Access in Eastern Indonesia - Electricity Grid Development Program.

The program is dedicated to the eight provinces across Sulawesi and Nusa Tenggara (SNT) in Eastern Indonesia namely North Sulawesi, Gorontalo, Central Sulawesi, West Sulawesi, South Sulawesi, South East Sulawesi, West Nusa Tenggara, and East Nusa Tenggara.

The goal of the program is to support the development of electricity distribution networks in order to connect business and households and to enhance the quality of life in Eastern Indonesia by the sustainable use electricity as a key driver of increased economic activity. This will contribute to the overall objective of a sustainable economic and social development in the Eastern regions of Indonesia.

Both programs follow a Results-Based Loan structure, in which funds are disbursed in tranches and only released to PLN when mutually agreed Disbursement-Linked Indicators (DLIs) are met (with provision for pro-rata disbursements for partial fulfilment of DLIs). The DLIs are results-oriented as opposed to process-oriented, thus allowing PLN the discretion to use its own processes and systems for managing funds and achieving program results.

In addition to the DLIs, PLN has agreed to implement a series of actions set out in Program Action Plans (PAPs), which are also included as loan covenants in both the ADB and KfW loan agreements. In general the DLIs and PAPs between ADB and KfW RBL are the same but there are some differences in DLIs and PAPs which will be explained in further detail.

1.2 Program Scope of Work

The scope of work for the ADB and KfW RBL programs can be detailed as follows:

ADB RBL	KfW RBL
<p>Result Area 1: Distribution system strengthening and expansion. The Program shall help address the financing needs for the expansion and strengthening of the distribution system and consequently improve electrification rates, reduce overloading and address reliability issues for the local population and businesses.</p> <p>Result Area 2: Innovation and institutional capacity enhancement</p>	<p>Result Area 1: Strengthening and expanding the power distribution network The program is to support the development of electricity distribution networks in order to connect businesses and households and to enhance the quality of life.</p> <p>Result Area 2: Responsible for the preparation, implementation and operation for environmental, social and</p>

ADB RBL	KfW RBL
<p>Under this result area, the Program shall support PLN effort in innovation and strengthen institutional capacity for environmental management and increased efficiency through:</p> <ul style="list-style-type: none"> (i) supporting innovation through pilot-scale smart grid projects (ii) expanding the use of digital pre-paid and smart meters to reduce non-technical losses, payment defaults, and servicing costs in remote areas (iii) improving PLN asset and waste management with safe disposal of several years' backlog of used equipment; and (iv) tracking the timely implementation of distribution system contracts. 	<p>health & safety compliance, and written agreement for private land owners for the installation of distribution transformers in a new locations</p>

1.3 Scope of this Quarterly Report

This Quarterly Report is intended to provide periodic progress updates to ADB and KfW regarding (i) the achievements of overall program results; (ii) status of the DLIs and DLI verification protocols; (iii) the status of covenants in the loan agreements; and (iv) the outcomes of the PAP implementation program.

While the ADB and KfW programs are executed under separate loan agreements, they share a common framework and there is significant overlap in the DLIs. As a result, PLN propose to include progress reporting for both the ADB and KfW RBL programs in a single Quarterly Report.

This Quarterly Report covers reporting periods from **January 1st, 2020 until Dec 31st, 2020.**

2. PROGRAM STRUCTURE, MANAGEMENT AND IMPLEMENTATION

2.1 ADB Results Based Lending Program

The ADB Results Based Lending (RBL) program focuses on sustainable energy access in Eastern Indonesia – Electricity Grid Development Program.

These are the key milestones of ADB L3560-INO :

- a. ADB Approval : Sep 14th, 2017
- b. Loan Signing : Oct 10th, 2017
- c. Guarantee Signing : Nov 16th, 2017
- d. Loan Effectiveness : Dec 14th, 2017
- e. Implementation Period : Jan 2017 – Dec 2021 (5 years)
- f. Program Completion : Dec 31st, 2021
- g. Loan closing : Jun 30th, 2022

An allocation and withdrawal of Loan Proceeds and the breakdown of the ADB RBL disbursement allocations according to Loan Review Mission in November 2018 is shown below in Table 1 and Table 2.

Table 1: Allocation and Withdrawal of Loan Proceeds (Source: ADB)

ALLOCATION AND WITHDRAWAL OF LOAN PROCEEDS (Sustainable Energy Access in Eastern Indonesia—Electricity Grid Development Program)						
Disbursement-Linked Indicator (DLI)	Total ADB Financing Allocation	2017	2018	2019	2020	2021
DLI 1	120,000,000	30,000,000	30,000,000	30,000,000	30,000,000	
DLI 2	96,000,000	24,000,000	24,000,000	24,000,000	24,000,000	
DLI 3	48,000,000	12,000,000	12,000,000	12,000,000	12,000,000	
DLI 4	96,000,000	12,000,000	12,000,000	36,000,000	36,000,000	
DLI 5	96,000,000	12,000,000	12,000,000	36,000,000	36,000,000	
DLI 6	48,000,000	6,000,000	6,000,000	12,000,000	12,000,000	12,000,000
DLI 7	48,000,000	6,000,000	6,000,000	12,000,000	12,000,000	12,000,000
DLI 8	48,000,000	6,000,000	6,000,000	12,000,000	12,000,000	12,000,000
TOTAL	600,000,000	108,000,000	108,000,000	174,000,000	174,000,000	36,000,000

Summary of Loan 3560-INO Disbursement

DLI	Total ADB Financing Allocation	RBL01	RBL 02	RBL03	RBL04	RBL05	RBL06-07	RBL08-09	Total Disbursement
		21-Dec-17	05-Nov-18	17-Dec-18	21-Oct-19	25-Mar-20	06-Jul-20	08-Dec-20	
		Advance	2017 Annual	2018 Interim	2018 Annual	2019 Interim	2019 Annual	2020 Interim	
1	120,00		50,00	30,90	8,20	18,00	12,90		120,00
2	96,00		15,00		20,46		35,27		70,73
3	48,00		12,00		12,00		12,00		36,00
4	96,00		19,00	19,55	53,02	4,43			96,00
5	96,00		11,00	8,00	2,80	9,20	23,20	16,81	71,01
6	48,00		0,00	4,50	3,75			9,75	18,00
7	48,00		7,00	4,55		1,67		3,55	16,77
8	48,00		3,00			2,00	4,78	35,12	44,90
Advance		150,00					-40,00	-50,00	60,00
TOTAL	600,00	150,00	117,00	67,50	100,23	35,30	48,15	15,23	533,41

Following is a list of loan withdrawal applications:

Table 2: Withdrawal Application / Disbursement of Loan ADB RBL (Source: PLN)

WA	Date	Value (Juta US\$)	Time Disbursement
1	21-Dec-17	150	Advance Finance
2	05-Nov-17	117	Annual 2017
3	17-Dec-18	67,5	Interim 2018
4	21-Oct-19	100,23	Annual 2018
5	25-Mar-20	35,3	Interim 2019
6	06-Jul-20	48,15	Annual 2019
7	06-Jul-20	0	\$40 million for offset
8	08-Dec-20	15,23	Interim 2020
9	08-Dec-20	0	\$50 million for offset
Total Amount		533,41	
Remain		66,59	

Table 3: ADB RBL Disbursement Allocations (Source: ADB)

No	Metric	Defenition of Indicators	Units	Disbursement Allocated (\$ million)
1	Increased numbers of total PLN Customers	Minimum target of increased customer annually is 5.6%,to reach at least 6.99	million customers	120
2	Increased annual electricity sales	Minimum target of increased annual electricity sales is 5.35%	GWh	96
3	Permanent interruptions	Maximum annual rate increase allowed for feederline	Interruptions per 100 km	48
4	Increased numbers of distribution transformers	Minimum rate of increased number of distribution transformer units	Units	96
5	Additional length of medium-voltage (MV) distribution lines	Minimum rate of additional length of MV lines annually is 5.6%, to reach 58,764 ckm by 2020	ckm	96
6	Pilot-scale smart grid projects	at least 4 pilot - scale smart grid projects implemented by	Units	48
7	Enhancement of Operational efficiency and resource optimization	increased use of digital prepaid meter or smart meter use at least	%	48
8	Improvement of asset and waste management	used PLN equipment is safely disposed at least 90% from the 2016	%	48
9	Timely completion of implementation of distribution system contracts	Timely completion of implementation of distribution system contracts	%	0

The ADB RBL program has eight DLIs and one non-disbursement linked indicators

The target values for each of the results indicators over the loan period (2017 to 2021) and the verification for 2016, 2017, 2018 and 2019 are shown in Table 3.

Table 4: ADB RBL Results Indicators & Verification (Source: ADB)

No	Results Indicators	DLI (Yes/No)	Unit Organisasi	Target Values of Results Indicators																		
				Baseline Year 2016	IVA Verified Baseline 2016	2017	IVA Verified Result 2017	2018	IVA Verified Result 2018	2019	IVA Verified Result 2019	2020										
1	DLI 1: number of total customers increased by an average annual rate of at least 5.6% to reach at least 6.99 million customers by 2020	Yes/DU 1	SNT		5,623,061	5,62	≥ 5,9 juta	6,085,655	≥ 6,27 juta	6,586,438	≥ 6,62 juta	7,147,852	≥ 6,99 juta									
				SSTB	2,488,533	2,488,533	2,579,024	2,734,329	2,695,547	1,354,055	2,824,830	3,156,984	2,969,397									
				SUTG	1,394,708	1,394,708	1,468,094	1,477,293	1,534,544	713,696	1,598,114	1,674,281	1,656,595									
				NTB	1,096,433	1,096,433	1,172,202	1,203,474	1,241,619	2,957,144	1,316,117	1,500,164	1,397,322									
				NTT	643,387	643,387	718,632	670,559	798,767	1,561,543	882,563	816,443	969,121									
2	DLI 2: total annual electricity sales increased by an average annual rate of at least 8.5% (for 2017) and 5.35% (based on 2017 actual of 11,943 GWh, for 2018 to 2020) to reach at least 13,964 GWh by 2020, with an equal or higher growth rate for commercial customers to reach at least 2,849 GWh annual sales by 2020	Yes/DU 2	SNT	Energy sales SNT	11,336	11,336	≥ 12,300 GWh	11,943	≥ 13,345 GWh	12,711	≥ 13,255 GWh	13,734	≥ 13,964 GWh									
				Energy sales commercial customers	2,334	2,287	≥ 2,532 GWh	2,437	≥ 2,747 GWh	2,570	≥ 2,704 GWh	2,675	≥ 2,849 GWh									
				Energy sales SNT		11,336	12,301	11,943	13,334	12,711	13,255	13,734	13,964									
			Cek Total	Energy sales commercial customers		2,287	2,532	2,437	2,747	2,570	2,704	2,675	2,849									
				Energy sales	6,032	6,032	6,862	6,336	7,495	6,730	6,883	7,313	8,177									
				Energy sales commercial customers	1,212	1,192	1,352	1,251	1,459	1,325	1,358	1,408	1,533									
			SSTB	Energy sales	2,884	2,884	2,975	3,074	3,213	3,278	3,437	3,471	3,234									
				Energy sales commercial customers	589	573	609	636	675	671	710	676	704									
				Energy sales	1,991	1,991	1,589	1,678	1,692	1,777	1,964	1,950	1,661									
			SUTG	Energy sales	331	329	339	348	366	352	403	364	373									
				Energy sales commercial customers	830	830	874	855	934	927	971	999	892									
				Energy sales	202	194	231	201	248	222	232	228	239									
			NTB	Energy sales	32,27	30,46	24,76	21,65	18,45	20,80	8,97	8,97										
				Energy sales commercial customers	12,02	12,40	14,09	12,01	15,00	11,95	15,92	15,92										
				Energy sales	5,81	6,34	14,45	11,85	16,93	10,94	1,81	1,81										
NTT	Energy sales	15,66	14,91	10,27	11,25	10,20	10,63	14,51	14,51													
	Energy sales commercial customers																					
	Energy sales																					
3	DLI 3: Feeder line permanent interruptions in the distribution system reduced by an average annual rate of at least 5% each year to reach less than 15,82/100 ckm by 2020	Yes/DU 3	SNT		19,43/100 ckm	19,92	< 18,45/100 ckm	16,16	< 17,53/100 ckm	16,16	< 16,66/100 ckm	11,25	< 15,82/100 ckm									
				SSTB	32,27	30,46	24,76	21,65	18,45	20,80	8,97											
				SUTG	12,02	12,40	14,09	12,01	15,00	11,95	15,92											
				NTB	5,81	6,34	14,45	11,85	16,93	10,94	1,81											
				NTT	15,66	14,91	10,27	11,25	10,20	10,63	14,51											
4	DLI 4: Number of distribution transformer units installed increased by an average annual rate of at least 5.6% each year to reach at least 50,721 by 2020	Yes/DU 5	SNT		40,788	40,760	≥ 43,072 Unit	44,630	≥ 45,484 Unit	44,630	≥ 48,031 Unit	52,966	≥ 50,721 Unit									
				SSTB	20,347	20,347	21,543	21,650	22,809	21,650	28,153											
				SUTG	11,541	11,513	12,500	13,292	14,048	13,292	13,976											
				NTB	4,571	4,571	4,771	5,085	4,989	5,085	5,794											
				NTT	4,329	4,329	4,380	4,603	4,422	4,603	5,043											
5	DLI 5: Additional length of medium-voltage distribution lines installed increased by an average annual rate of at least 5.6% each year	Yes/DU 5	SNT		47,257 ckm	45,938	≥ 48,855 ckm	48,912	≥ 51,957 ckm	50,758	≥ 55,256 ckm	54,532,47	≥ 58,764 ckm									
				SSTB	5,941 ckm	5,941	6,274	6,070	6,626	6,407	6,997	7,060,13	7,388									
				SUTG	19,974	19,974	20,681	21,747	21,905	22,635	24,784	24,784,24										
				NTB	15,078	13,761	16,488	14,365	24,799	14,435	15,115	15,115,20										
				NTT	5,382	5,382	5,682	5,501	5,693	5,967	6,364	6,363,62										
				Lombok	3,002	3,002	3,262	3,045	3,348	3,285	3,495,15	3,495,15										
				NTT	6,822	6,822	7,090	7,299	7,912	7,726	8,297,40	8,297,40										
				Flores	2,939	2,939	3,012	3,025	3,278	3,122	3,565	3,564,94										
				Output 2: Operational management and implementation capacity strengthened for resource optimization																		
				7	DLI 6: Pilot-scale smart grid projects implemented in at least 4 areas by 2021	Yes/DU 6	2016	Issue smart grid projects	smart grid guidelines based on corporate smart grid roadmap issued, pilot projects selected	not achieved	Project design developed, 2 pilot smart grid projects start procurement	partially achieved (50%)	At least 2 more pilot smart grid projects start procurement	Target 2017 & 2018 were completely achieved in interim verification 2019.	Target 2019: Not achieved. Only one additional project (Semau) had started procurement, and is currently in construction stage. Medang is still in feasibility study stage.	At least 2 pilot smart grid projects operation	At least 4 pilot smart grid projects operation					
2015	48%	50,65%	55%															55,75%	60%	58,89%	≥ 65%	62,50%
8	DLI 7: Operational efficiency and resource optimization enhanced with digital pre-paid meter or smart meters use increased to at least 75% of total customers by 2021	Yes/DU 7	45,00%	2015	48%	50,65%	55%	55,75%	60%	58,89%	≥ 65%	62,50%	≥ 70%	≥ 75%								
															SUTG	49%	49%	54%	54%	63%	57,65%	61,10%
															NTT	84%	84%	96%	96%	96%	99,27%	99,60%
															NTB	64%	64%	68%	68%	79%	68,57%	72,33%
SSTB	34%	34%	39%	41%	47%	45,41%	48,99%															
9	DLI 8: Asset and waste management improved with at least 90% of used PLN equipment from the 2016 disposal inventory safely disposed by 2021	Yes/DU 8	2015	2016 baseline: 0 disposal rate; accumulated used equipment, including hazardous waste and slow procedures for review, approval and disposal	Not yet received	(i) 2016 inventory of used equipment for disposal prepared and approved by PLN & MDDOE. (ii) PLN Guidance for Asset Management revised to accelerate disposal waste	PLN send on 3rd May 2018, to be verified by IVA	(i) Existing oil spills cleaned in accordance with MoE Regulation No. 101/2014 (ii) at least 20% of PLN's used equipment in the 2016 inventory safely disposed	(i) achieved (ii) not achieved (iii) not achieved	(i) All warehouses equipped with oil containment/protection measures (ii) At least 50% of PLN's used equipment in the 2016 inventory safely disposed	Target 2017: (i) achieved, (ii) not achieved (iii) not achieved	Target 2018: (i) not achieved, (ii) achieved (iii) not achieved	Target 2019: (i) not achieved, (ii) Achieved.	At least 80% of PLN's used equipment in the 2016 inventory safely disposed	At least 90% of PLN's used equipment in the 2016 inventory safely disposed							
																2016	48%	50,65%	55%	55,75%	60%	58,89%

ckm = circuit-kilometer, DLI = disbursement-linked indicator, EGSS = Electricity Grid Strengthening—SulawasiNTB & NTT Program, FPR = financing for prior results, GWh = giga-watt-hour.

2.2 KfW Result-based Loan Program

The KfW Results Based Loan (RBL) program focuses on sustainable energy access in Eastern Indonesia – Sulawesi and Nusa Tenggara Electricity Grid Strengthening Program.

These are the key milestones of KfW L29069-INO :

- a. KfW Approval : Sep 03rd, 2019 (Based on date of Letter of Interest)
- b. Loan Signing : Dec 8th, 2020
- c. Guarantee Signing : Dec 16th, 2020
- d. Loan Effectiveness : To be effective soon
- e. Implementation Period : Jan 2019 – Dec 2024 (5 years)
- f. Program Completion : Dec 30th, 2025
- g. Loan closing : Dec 30th, 2025

Table 5: Allocation of Loan Proceeds (KfW's financing plan) (Source : KfW)

KfW's Financing plan (in USD million)							
Result Indicators	Total KfW Financing Allocation	Share of KfW Financing (%)	Advance Financing	2019	2020	2021	2022
Outcome							
DLI 1. Expanded access to electricity services number of total customers increased by an average annual rate of at least 4,9%	62,0	20%	0,0	15,5	15,5	15,5	15,5
DLI 2. Growth in delivered electricity services total electricity sales increased by an average annual rate of at least 5,35%	49,6	16%	0,0	12,4	12,4	12,4	12,4
DLI 3. Improved reliability of services feeder line permanent interruptions in the distribution system reduced by an average annual rate of at least 5%	24,8	8%	0,0	6,2	6,2	6,2	6,2
Outputs							
DLI 4. Number of distribution transformer units installed increased by an average annual rate of at least 5,35%	49,5	16%	9,9	9,9	9,9	9,9	9,9
DLI 5. Length of medium-voltage distribution lines installed increased by an average annual rate of at least 5,35%	49,5	16%	9,9	9,9	9,9	9,9	9,9
DLI 6. Regular environmental and social safeguard training sessions conducted	24,9	8%	2,5	5,6	5,6	5,6	5,6
DLI 7. Written agreement from private land owners shall be obtained & documented for the use of land in the framework of the contracts for the installation of distribution transformers in new locations (according to PLN decree No. 0605/2010 / "Buku 4") in at least 85% of cases until 2022	24,9	8%	2,5	5,6	5,6	5,6	5,6
DLI 8. Asset and waste management improved with at least 95% of used PLN equipment from the 2016 disposal inventory safely disposed by 2022	24,8	8%	2,4	5,6	5,6	5,6	5,6
TOTAL	310,0	100%	27,2	70,7	70,7	70,7	70,7

Table 6: KfW RBL Results Indicators (Source: KfW)

No	Results Indicators	Unit Organisations	Target Values of Results Indicators					
			Baseline 2016	Baseline 2017	2019	2020	2021	2022
1	DLI 1: Expanded access to electricity services : number of total customers increased by an average annual rate of at least 4,9% to reach at least 7.730 million customers by 2022	SNT	5.623 million customers connected	6.086	6.697	7.025	7.369	7.730
2	DLI 2: Growth in delivered electricity services: total annual electricity sales increased by an average annual rate of at least 5,35% to reach at least 15,498 GWh by 2022, with an equal or higher growth rate for commercial customers to reach at least 3,162 GWh annual sales by 2022	SNT	Energy sales 11,336 GWh	11.943	13.255	13.964	14.711	15.498
			2,287 GWh to commercial customers	2.437	2.704	2.849	3.001	3.162
3	DLI 3: Improved reliability of services: Feeder line permanent interruptions in the distribution system reduced by an average annual rate of at least 5% each year to reach less than 12,50/100 ckm by 2022	SNT	MV feeder permanent interruptions 19,92/100 ckm	16,16	14,58	13,86	13,16	12,50
4	DLI 4: Number of distribution transformer units installed increased by an average annual rate of at least 5.35% to reach at least 57,916 by 2022	SNT	40,760 units installed	44.630	49.533	52.183	54.975	57.916
5	DLI 5: Additional length of medium-voltage (MV) distribution lines installed increased by an average annual rate of at least 5.35% to reach at least 63,473 ckm by 2022, with an equal or higher growth rate in Lombok and Flores combined to reach at least 7,185 ckm by 2022	SNT	45,938 ckm of MV distribution lines installed	48.912	54.286	57.190	60.250	63.473
		Lombok and Flores	5.941 ckm in Lombok and Flores	6.070	6.494	6.716	6.947	7.185
6	DLI 6 : Regular Environmental and Social Safeguard training sessions conducted		Base line end 2017: Safeguard focal persons: 3 Wilayah including the areas. All focal persons at 3 Wilayah already attended internal safeguard training , but none at the areas	(i) Issue a technical guidance on the implementation of safeguard DLIs and safeguard program actions (including the guidance on safeguard screenings) according to international good practice to General Managers of PLN Wilayahs. (ii) Appoint safeguards focal persons who have attended PLN's internal safeguards training at each Wilayah and Area to implement environmental and social safeguard activities.	Build capacity on environmental and social safeguards with a focus on the safeguard DLIs and safeguard program actions by holding regular meetings (including refresher training sessions) convening relevant PLN staff at headquarters, Wilayahs, and Areas, as well as all focal persons, contractors and key local government counterparts) to ensure the smooth and timely implementation of the safeguard DLIs and safeguard program actions	Build capacity on environmental and social safeguards with a focus on the safeguard DLIs and safeguard program actions by holding regular meetings (including refresher training sessions) convening relevant PLN staff at headquarters, Wilayahs, and Areas, as well as all focal persons, contractors and key local government counterparts) to ensure the smooth and timely implementation of the safeguard DLIs and safeguard program actions	Build capacity on environmental and social safeguards with a focus on the safeguard DLIs and safeguard program actions by holding regular meetings (including refresher training sessions) convening relevant PLN staff at headquarters, Wilayahs, and Areas, as well as all focal persons, contractors and key local government counterparts) to ensure the smooth and timely implementation of the safeguard DLIs and safeguard program actions	
7	DLI 7: Written Agreement from private land owners shall be obtained & documented for the use of land in the framework of the contracts for the installation of distribution transformers in new locations (according to PLN Decree No 0605/2010 / "Buku 4") in at least 85% of cases until 2022.		Base line end 2017: 0%	15%	30%	65%	85%	
8	DLI 8: Asset and waste management improved with at least 95% of used PLN equipment from the 2016 disposal inventory safely disposed by 2022		0 disposal rate. Accumulated used equipment, including hazardous waste and slow procedures for review, approval and disposal	2016 inventory of used equipment for disposal prepared and approved by PLN & MSOE.	(i) All warehouses equipped with oil containment/ protection measures (ii) At least 50% of PLN's used equipment in the 2016 inventory safely disposed	At least 80% of PLN's used equipment in the 2016 inventory safely disposed	At least 90% of PLN's used equipment in the 2016 inventory safely disposed	At least 95% of PLN's used equipment in the 2016 inventory safely disposed

ckm = circuit-kilometer, DLI = disbursement-linked indicator, EGSS = Electricity Grid

The stated targets only until for 2022, the target of 2023 and 2024 will be discussed later in the amendments.

2.3 PLN Program Management and Implementation

PLN formed a Project Management Unit (PMU) and Project Implementing Unit (PIU) specifically for the ADB and KfW RBL programs in PLN Sulawesi and Nusa Tenggara. The PMU consists of internal PLN staff drawn from various divisions within PLN Head Office (e.g. Regional Sulmapana, Corporate Planning, SCM, HSSE, etc). The organisational structure of the PMU is shown in Figure 1 below.

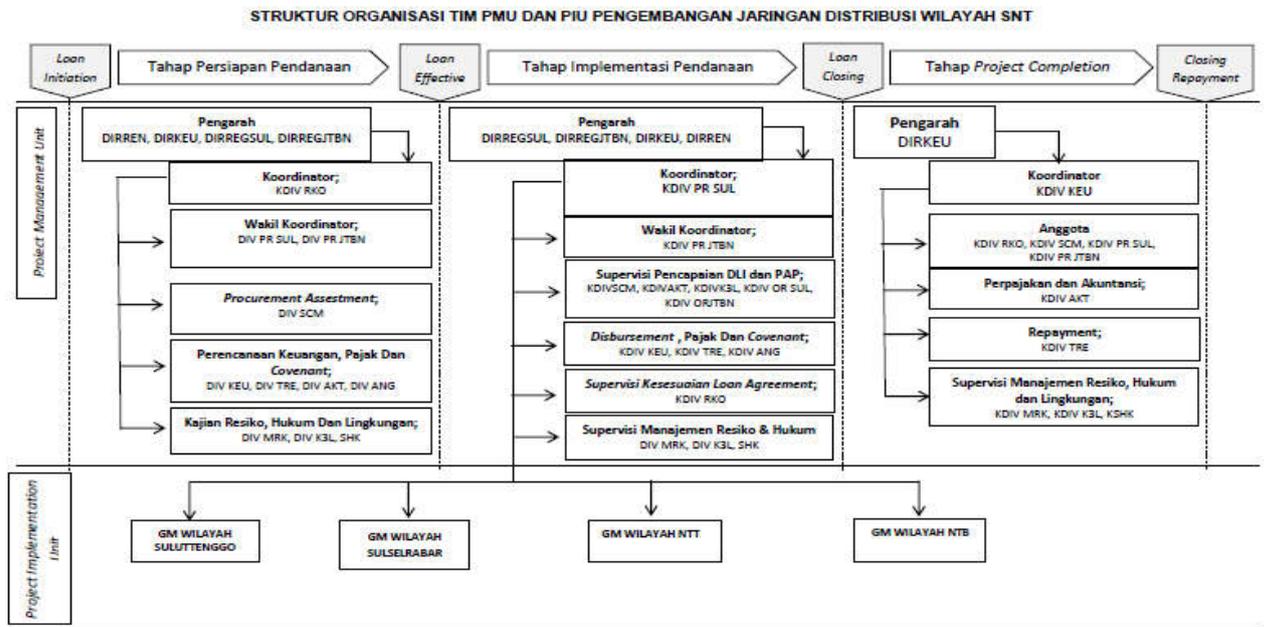


Figure 1: PMU/PIU Organisational Structure (Source : PLN)

3. *Electrification Ratio of Sulawesi and Nusa Tenggara System*

3.1 Electrification Ratio

The electrification ratio for each PLN Wilayah in Sulawesi and Nusa Tenggara as at December 2020 is shown in Table 4.

Table 7: Electrification Ratio (SILM)

Province	Household Total	PLN customers	Non PLN customers	Electrification Ratio
Sulawesi Selatan	2.285.446	2.234.178	56.665	100,00%
Sulawesi Tenggara	679.666	603.641	51.613	96,41%
Sulawesi Barat	352.385	278.631	74.342	100,00%
Sulawesi Utara	678.572	676.471	4.862	100,00%
Sulawesi Tengah	703.552	691.268	4.848	98,94%
Gorontalo	282.396	281.490	1.630	100,00%
Nusa Tenggara Timur	1.430.851	867.622	381.722	87,31%
Nusa Tenggara Barat	1.498.327	1.509.537	2.709	100,00%
Sulawesi & Nusa Tenggara	7.911.195	7.142.838	578.391	97,60%

Legend :

ER > 90%
ER 80% - 90%
ER < 80%

4. ADB RBL PROGRAM IMPLEMENTATION STATUS

4.1 Summary of DLI Achievements as of Reporting Period

Table 4 shows the summary of DLI Achievements as of Reporting Period Quarter 4 in 2020

Table 8:: Summary of DLI Achievements in Q4-2020 RBL-ADB

DLI No.	2020 Target	PLN Reported Achievement (as of 31 Dec 2020)	Achieved/ Not Achieved
1	6.99 Million customers	7.636 Million	achieved
2a	13.964 GWh total energy sales	14.658 GWh	achieved
2b	2.849 GWh business energy sales	2.525 GWh	Not Achieved
3	15,82/100 ckm permanent interruptions	10,17 / 100 ckm	achieved
4	50.721 units transformer	55.965 units	achieved
5a	58.764 ckm MV lines for SNT	57.195 ckm	Not Achieved
5b	7.388 ckm MV lines for Flores/Lombok	7.746,65 ckm	achieved
6	<ul style="list-style-type: none"> a. Smart grid guidelines based on corporate smart grid roadmap issued, pilot projects selected (2017) b. Project design developed, 2 pilot smart grid projects start procurement (2018) c. At least 2 more pilot smart grid projects start procurement (2019) d. At least 2 pilot smart grid projects operation (2020) 	<ul style="list-style-type: none"> a. Guidelines achieved and pilot projects were selected (Selayar, Sangihe, Semau, Medang) b. Basic design has been started for 4 pilot projects c. Selayar, Sangihe & Medang start on procurement, Semau is contracted d. Selayar, Sangihe & Medang still on procurement, Semau COD 	Not Achieved
7	70% prepaid meters+smart meters	65,42%	Not Achieved

8	<p>a. In 2017 :</p> <p>(i) 2016 inventory of used equipment for disposal prepared and approved by PLN & MoSOE.</p> <p>(ii) PLN Guidance for Asset Management revised to accelerate disposal of waste</p> <p>b. In 2018 :</p> <p>(i) Existing oil spills cleaned in accordance with MoE Regulation No.33/2009.</p> <p>(ii) at least 20% of PLN's used equipment in the 2016 inventory safely disposed</p> <p>c. In 2019 :</p> <p>(i) All warehouses equipped with oil containment/ protection measures</p> <p>(ii) At least 50% of PLN's used equipment in the 2016 inventory safely disposed</p> <p>d. In 2020 :</p> <p>At least 80% of PLN's used equipment in the 2016 inventory safely disposed</p>	<p>a. 2017 :</p> <p>(i) Achieved</p> <p>(ii) Not Achieved (on progress)</p> <p>b. 2018 :</p> <p>(i) Not Achieved (on progress)</p> <p>(ii) Achieved</p> <p>c. 2019 :</p> <p>(i) Not Achieved (13/25 warehouse with permit)</p> <p>(ii) Achieved</p> <p>d. 2020 :</p> <p>Achieved</p>	Partially Achieved
Non-DLI 9	70% Timely completion of implementation of distribution system contracts	82%	V

Table 7: Summary of DLI Achievements in Q4-2020 KfW-RBL

DLI No.	2020 Target	PLN Reported Achievement (as of 31 Dec 2020)	Achieved/ Not Achieved
1	7.025 Million customers (cumulative) connected	7.636 Million	achieved
2a	13.964 GWh total energy sales	14.658 GWh	achieved
2b	2.849 GWh business energy sales	2.525 GWh	not achieved
3	13,86 / 100 ckm permanent interruptions	10,17 / 100 ckm	achieved
4	52.183 units transformer	55.965 units	achieved
5a	57.190 ckm MV lines for SNT	57.195,32 ckm	achieved
5b	6.716 ckm MV lines for Flores/Lombok	7.746,65 ckm	achieved

	(i) issue a technical guidance on the implementation of safeguard DLIs and safeguard program actions (including te guidance on safeguard screenings) according to international good practice to General Managers of PLN Wilayahs (2019)	(i) Not achieved (the updated technical guidance for KfW program is still under process)	
6	Build capacity on environmental and social safeguards with a focus on the safeguard DLIs and safeguard program actions by holding regular meetings (including retresher training sessions) convening relevant PLN staff at headquarters, Wilayahs, and Areas, as well as all focal persons, contractors and key local government counterparts) to ensure the smooth and tirmely irnplernentation of the safeguard DLIs and safeguard program actions	Achieved The capacity building training was conducted on 24-25 November 2020 involving participations of environmental and social safeguards of UIW and UP3, K3L personnel in UIW and UP3, UP2K, contractors, and key local governments (environmental agency, social agency, and energy and mineral resources agency), ADB, KfW, IVA, and ERM.	Partially achieved
7	30% written agreement from private land owners	48%	achieved
8	(i) All warehouses equipped with oil containment/ protection measures (2019)	(i) Not Achieved (13/25 warehouse are equipped with oil containment/protection measures))	Partially achieved
	At least 80% of PLN's used equipment in the 2016 inventory safely disposed (2020)	100%	

4.2 Disbursement Linked Indicators (DLIs)

4.2.1 RBL DLI 1: Increased numbers of total PLN Customers

As at Dec 2020, for Quarter 4 in 2020, PLN has a total number approximately 7,636 M customers in Sulawesi and Nusa Tenggara, which of the ADB RBL target of 6,99 M for 2020. Data for this indicator are extracted from the SILM system, which has an integrated link to PLN's customer database (AP2T).

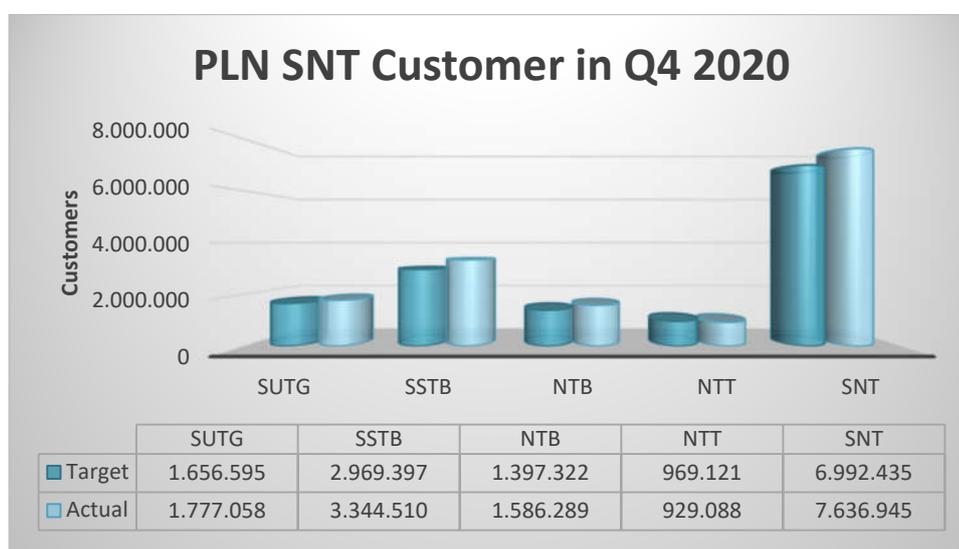


Figure 2: Number of PLN SNT Customers in Quarter 4 2020

The achievement in Quarter 4 in 2020 is around 109,22% if we compare it to the full target in 2020.

4.2.2 RBL DLI 2: Increased annual electricity sales

Data for ADB RBL DLI 2 are extracted from the SILM system, which has an integrated link to PLN's customer and energy sales database (AP2T).

The Total Energy Sales from January to Dec 2020 has reached 14.658 GWh, which of the ADB RBL full target in 2020 are 13.964 GWh (104,97%)



Figure 3: Total Energy Sales in Quarter 4 2020

The Total Commercial Energy Sales from January to Dec 2020 has reached 2.525 GWh, which of the ADB RBL full target in 2020 are 2.849 GWh (88,64%)

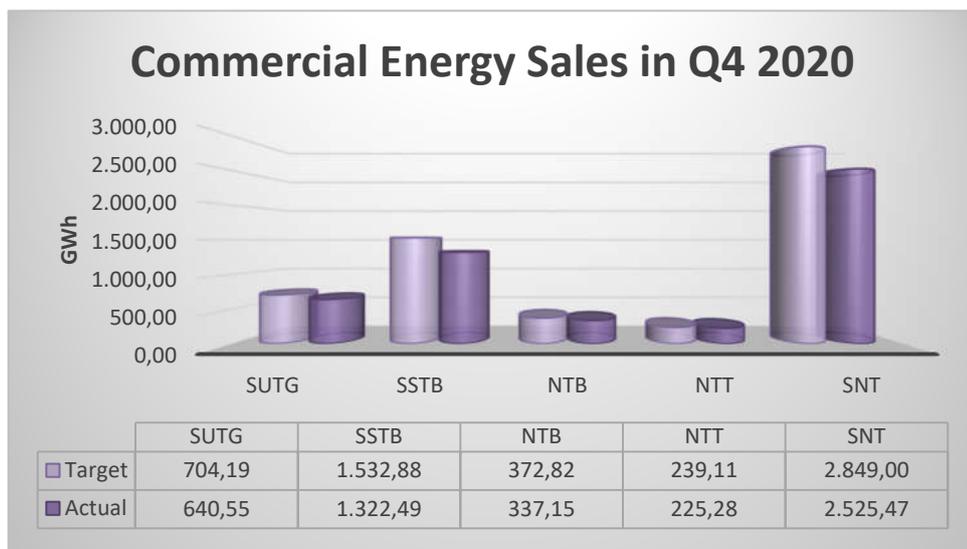


Figure 4: Commercial Energy Sales in Quarter 4 2020

4.2.3 RBL DLI 3: MV Feeder Permanent Interruptions

The number of MV feeder permanent interruptions reported in SNT over the period January – Dec 2020 was 10,17 interruptions per 100 ckm, which of the ADB RBL target of 15,82 interruptions per 100 ckm for the 2020. The achievement in Quarter 4 2020 is around 135,69%.

Data for this DLI is extracted from SILM, though the source data is filled from Distribution Control Center from each of the PLN Wilayah.

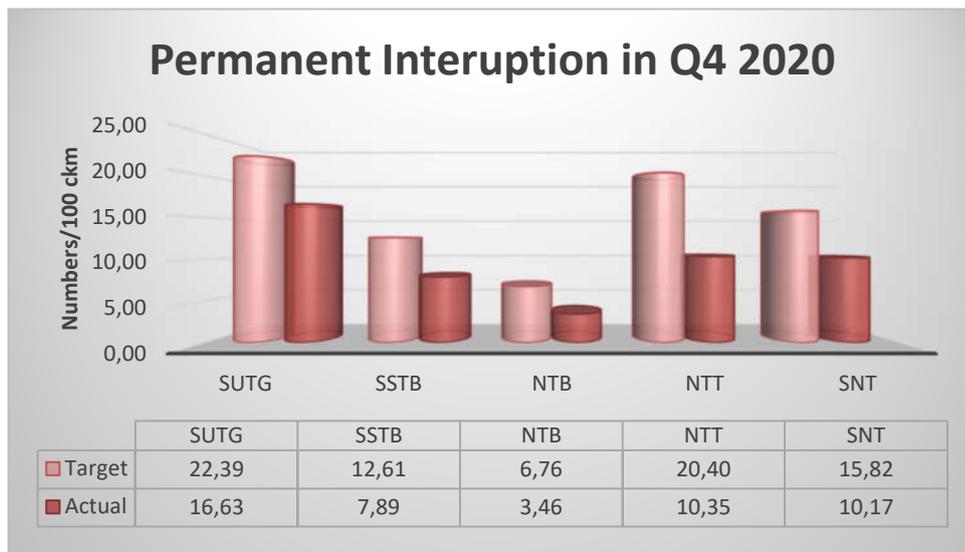


Figure 5: Permanent Interruption in Q4 2020

4.2.4 RBL DLI 4: Increased numbers of distribution transformers

As at Quarter 4 in 2020, the number of distribution transformers was 55.420 units, which of the ADB RBL 2020 target of 50.721 unit. The achievement in Quarter 4 2020 compare to full target in 2020 is around 109,26%.

Data for this DLI is extracted from SILM, though the source data is filled in manually with input from each of the PLN Wilayah.

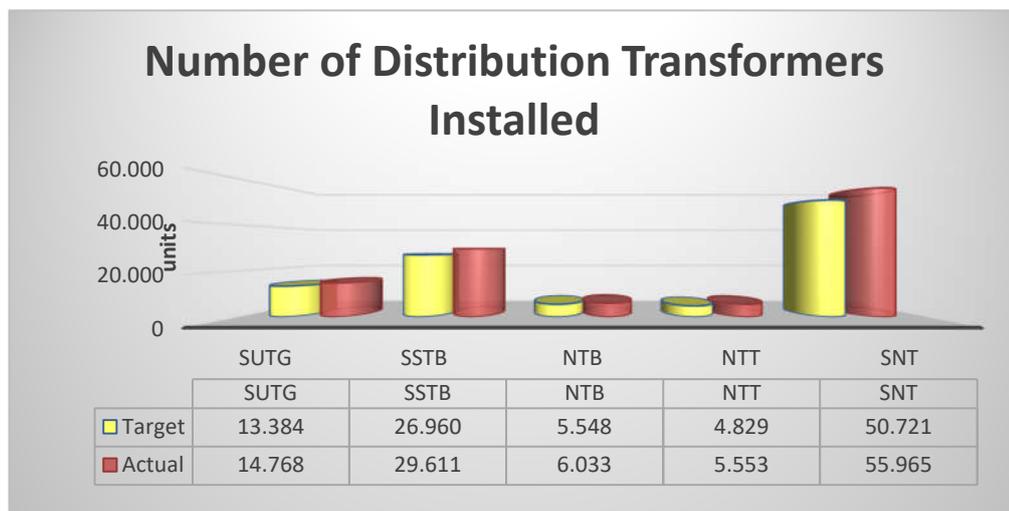


Figure 6: Number of Distribution Transformer in Quarter 4 2020

4.2.5 RBL DLI 5: Additional length of medium voltage (MV) distribution lines

The number of additional length of medium voltage (MV) distribution lines installed over the period Quarter 4 2020 was 57.195,3 ckm, which of the ADB RBL 2020 full year target of 58.764 ckm. The achievement in Quarter 4 2020 compare with the full target is around 97,33%.

Data for this DLI is extracted from SILM, though the source data is filled in manually with input from each of the PLN Wilayahs.

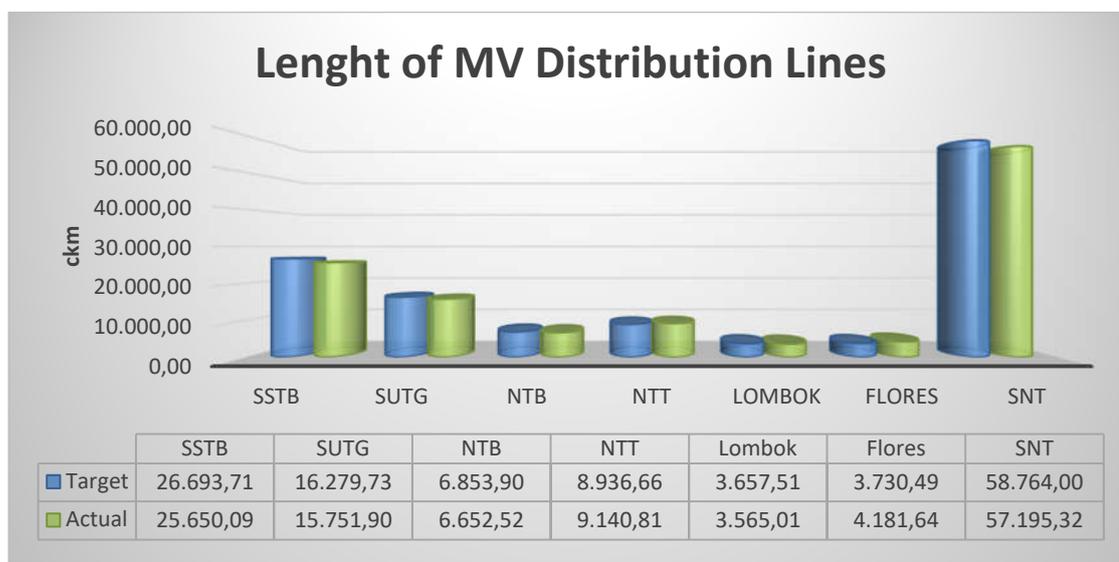


Figure 7: Length of MV Distribution Lines in Quarter 4 2020

For Lombok and Flores, the length of medium voltage (MV) distribution lines in Quarter 4 2020 were 3.565 ckm and 4.182 ckm respectively.

4.2.6 RBL DLI 6: Pilot scale smart-grid projects

The Smart Grid location for South of Sulawesi will be in Selayar Island and for North of Sulawesi will be in Sangihe Island.

The progress power system planning Selayar Smart Grid are :

1. Survey and Selection : ok
2. Feasibility Study : ok
 - ✓ Final Feasibility Studies (Studi Kelayakan) from the PUSENLIS are in accordance with the letter no. 0658/REN.06.03/PUSENLIS/2019, 17 June 2019
 - ✓ The Project Feasibility Study (KKP) from PLN UIW SULSELRABAR has been completed in accordance with letter no. 12.01/2018.09/02, 29 March 2019
3. Pra-Qualification : ok
 - ✓ The Number Of PQ Auction Participants : Registered 22 Vendors
 - ✓ Bidders Passed The Auction PQ : 12 Vendors
4. Location Determination : ok
5. Local Government Permit : ok
6. Spatial Permit : ok
7. Environment Permit : on progress
8. Land Acquisition : ok

- ✓ Location project PLTHybrid Selayar : Desa Parak, Kecamatan Bontomanai, Kab. Selayar, Provinsi Sulawesi Selatan, 6°2'47.01"S and 120°27'29.11"E
 - ✓ Location permit from EVP Perijinan dan Pertanahan has received. No.0932/KON.00.03/DIVPPT/2019, 28 Mey 2019
9. Bid doc and estimated price from Puseulis : ok
 10. Procurement → Contract : On progress revised Bid-doc by Puseulis and UIW, procurement estimated on Feb 2021
 11. Construction → not yet, COD : estimated on Nop 2021

The progress power system planning Sangihe Smart Grid are :

1. Survey and Selection : ok
2. Feasibility Study : ok
3. Pra-Qualification : ok
 - ✓ On June, 18th, 2019 a meeting was held for Explanation of Prequalification Implementation Procurement and Construction of Hybrid Sangihe PLTS and Procurement Prequalification and Development SCADA Distribution and Telecommunication in PLN UP3 Tahuna
4. Location Determination : ok
5. Local Government Permit : not yet
6. Spatial Permit : not yet
7. Environment Permit : not yet
8. Land Acquisition : ok partial land acquisition
9. Bid doc and estimated price from Puseulis : not yet (revision for international bidding)
10. Procurement → estimated on Oct 2020;
11. Contract : On progress re-procurement started on Des 2020, contract estimated on March 2021.
12. Construction → not yet, COD : estimated on Nop 2021

The Smart Grid location for East Nusa Tenggara will be in Semaun Island and for West Nusa Tenggara will be in Medang.

The progress power system planning Semaun Smart Grid are :

1. Survey and Selection : ok
2. Feasibility Study : ok
3. Pra-Qualification : ok
4. Location Determination : ok
5. Local Government Permit : ok (already existed during 400 kWp solar power plant construction)
6. Spatial Permit : ok
7. Environment Permit : ok (already existed during 400 kWp solar power plant construction)
8. Land Acquisition : ok (Grant)
9. Location project PLTHybrid Semaun : Desa Uileo, Kecamatan Semaun, Kab. Kupang, Provinsi Nusa Tenggara Timur, 10°11'18.89"S and 123°26'25.95"E
10. Bid doc and estimated price : ok
11. Procurement → Contract : ok (on December 30, 2019) PT Syntek Otomasi Indonesia
12. Construction → COD : on Nop 2020 --- completed

The progress power system planning Medang Smart Grid are

1. Survey and Selection : -

2. Feasibility Study : Assignment to PLNE (For PLT Hybrid Medang, Sebotok & Labuhan Aji)
3. The Project Feasibility Study (KKP) from PLN UIW NTB has been completed
4. Pra-Qualification : -
5. Location Determination : Near PLTD (next to Medang Diesel Power Plant)
6. Local Government Permit : -
7. Spatial Permit : -
8. Environment Permit : -
9. Land Acquisition : -
10. Location project PLTHybrid Medang : Bugis Medang, Labuhan Badas, Sumbawa Regency, West Nusa Tenggara 84316, -8.141897° and 117.401139°
11. Bid doc and estimated price : in June 2020 / 9,5 Billion IDR
12. Contract : On progress re-procurement estimated on Feb 2021, after revised HPS/OE
13. Construction → COD : estimated on Dec 2021

4.2.7 RBL DLI 7: Enhancement of operational efficiency and resource optimization

The definition of indicator is the increased use of digital pre-paid meter or smart meter use at least 75% of total customers by 2021. The percentage of digital pre-paid meter customers in Quarter 4 2020 is 65,42% which of the ADB RBL 2020 year target of ≥ 70%. The achievement in Quarter 4 2020 is include AMR customers/smart meter until Q4 2020.

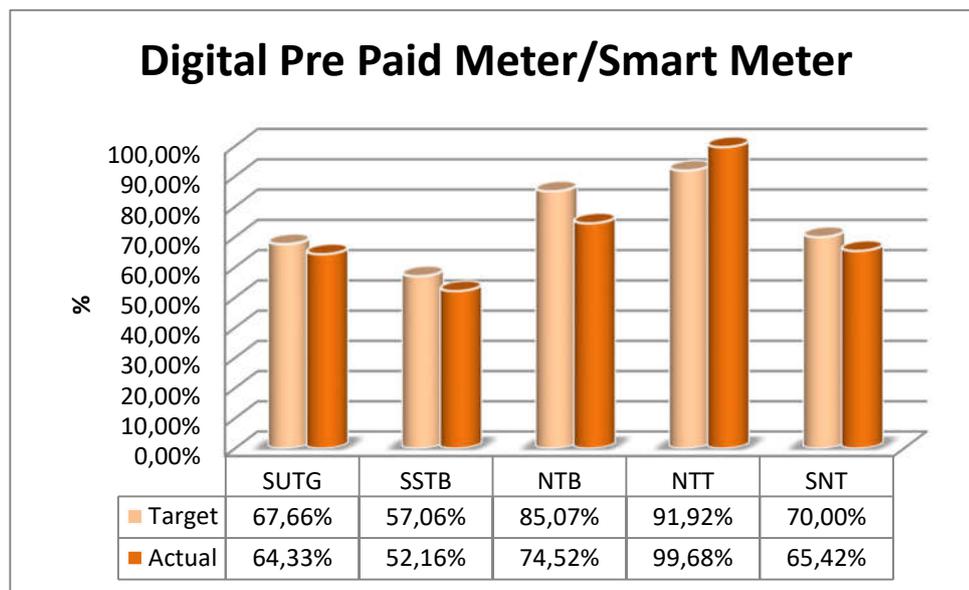


Figure 8: Digital Pre Paid Meter/Smart Meter in Q4-2020

4.2.8 RBL DLI 8: Improvement of asset and waste management

- 1) In 2017 :
 - (i) 2016 inventory of used equipment for disposal prepared and approved by PLN & MoSOE.(Achieved)
 - (ii) PLN Guidance for Asset Management revised to accelerate disposal of waste (achieved on Feb 2021)
- 2) In 2018 :
 - (i) Existing oil spills cleaned in accordance with MoE Regulation No.101/2014 (On Progress)

- (ii) at least 20% of PLN's used equipment in the 2016 inventory safely disposed (achieved 100%)
- 3) In 2019 :
- (i) All warehouses equipped with oil containment/protection measures (On Progress, **13 out of 25** of warehouses have been equipped with oil containment/protection measures, i.e. UP3 Bima, UP3 Mataram, UP3 Sumbawa, UP3 Sumba, UP3 Makassar Utara, UP3 Parepare, UP3 Baubau, UP3 Manado, UP3 Kotamobagu, UP3 Tahuna, UP3 Gorontalo, UP3 Tolitoli, and UP3 Palu.
In the loan review meeting on June, it is agreed that the oil containment is mandatory for the warehouse and hazardous waster storage, while oil protection measures are voluntary and not as the achievement indicators.
(On Progress)
 - (ii) At least 50% of PLN's used equipment in the 2016 inventory safely disposed (achieved 100%)
- 4) In 2020 :
- (i) At least 80% of PLN's used equipment in the 2016 inventory safely disposed (achieved 100%)

For asset and waste management improved of used PLN equipment from the 2016 disposal inventory, the total identification as December 31, 2016 for acquisition value proposal in distribution was 39.630 million rupiah (for PLN UIW Sulselrabar proposal number 0583/KEU.02.03/WSSTB/2016, dated June 28th, 2016). This inventory was approved by the board of PLN Commissioner with letter number 269/DK-PLN/2016, dated Dec 30th, 2016 and by Ministry of State Owned Enterprises with letter number S-290/MBU/04/2018, dated Apr 27th, 2018. Accounting Division has sent a letter to PLN UIW Sulselrabar with letter number 2205/KEU.02.03/DIVAKT/2018, May 17th, 2018 for asking sales contract process.

Disposing asset management will follow the procedure from Director Decree No. 015.E/870/DIR/1998 regarding Penarikan Aktiva Operasi Menjadi Aktiva Tidak Beroperasi dan Director Decree No. 1233/DIR/2011 regarding Tata Cara Penghapusbukuan dan Pemindahtanganan Aktiva Tetap PT PLN (Persero). Hazardous Waste with used equipment categorized (ATTB) that has been abolished from operation asset will be managed as hazardous waste. PLN DIV HSSE has prepared Draft of Director Decree of Hazardous Waste Management which already submitted to Legal Division for their review.

The Director Decree No. 02080.K/DIR/2019 has been issued on November 25, 2019 concerning the Moratorium Annulment of The Abolition of Hazardous Waste with used equipment categorized (ATTB) and Material. The Directors have agreed to conduct the abolition of ATTB and material based on the unit's proposal to be approved by the board of Commissioners

For update of Circular "Percepatan Penghapusan ATTB Dan Material Hapus" was already signed by BOD (3 Feb 2021)

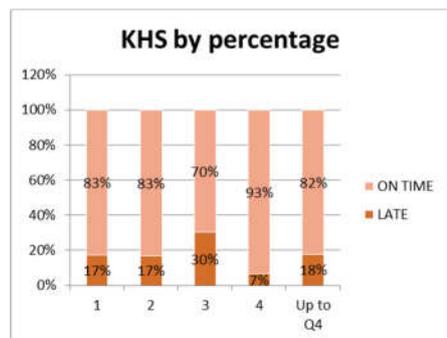
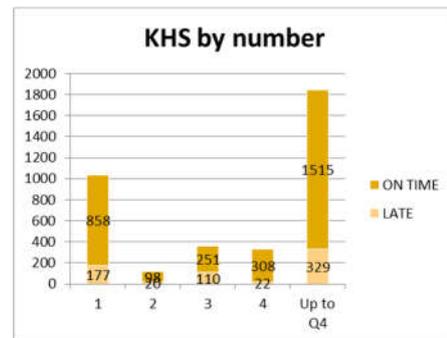
The draft SOP of oil spill management has been informed to all Units to seek their inputs through Focus Group Discussion on January 20, 2021. The revised SOP has been prepared with the help from the Consultant and will be reviewed by PLN and also ADB. Subsequently, the oil spill management and monitoring will follow the SOP.

4.3 Non-Disbursement Linked Indicators : Timely completion of implementation of distribution system contract

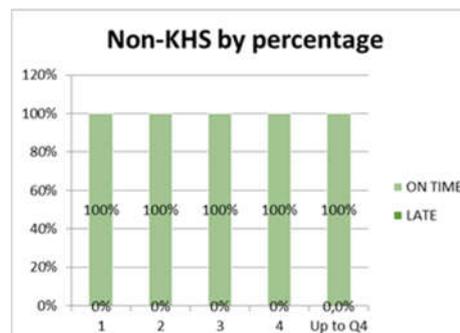
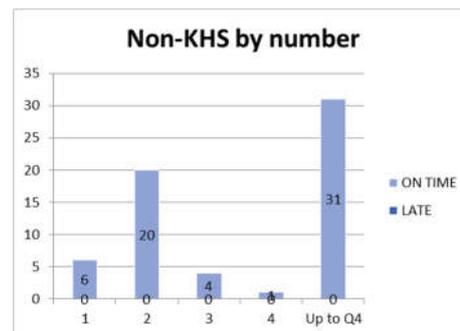
SCM Division already analyzed the data for Q4 2020 : Timely completion of implementation of distribution system contracts in 2020 is 82% on time by percentage for KHS and Non KHS contract. The target is 70% so it is achieved.

Table 8: SNT Timely Completion Report 2020 of distribution system contract

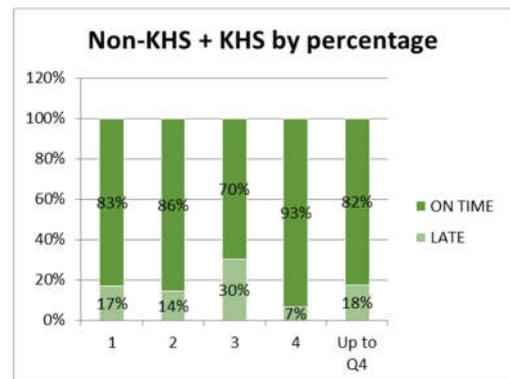
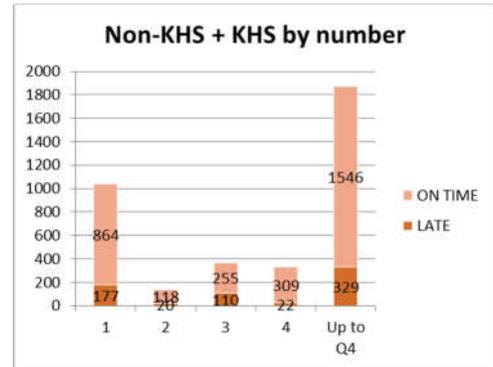
KHS			
By Number			
Quarter (2020)	LATE	ON TIME	Total
1	177	858	1035
2	20	98	118
3	110	251	361
4	22	308	330
Up to Q4	329	1515	1844
By Percentage			
Quarter (2020)	LATE	ON TIME	Total
1	17%	83%	100%
2	17%	83%	100%
3	30%	70%	100%
4	7%	93%	100%
Up to Q4	18%	82%	100%



NON KHS			
By Number			
Quarter (2020)	LATE	ON TIME	Total
1	0	6	6
2	0	20	20
3	0	4	4
4	0	1	1
Up to Q4	0	31	31
By Percentage			
Quarter (2020)	LATE	ON TIME	Total
1	0%	100%	100%
2	0%	100%	100%
3	0%	100%	100%
4	0%	100%	100%
Up to Q4	0,0%	100%	100%



KHS + NON KHS			
By Number			
Quarter (2020)	LATE	ON TIME	Total
1	177	864	1041
2	20	118	138
3	110	255	365
4	22	309	331
Up to Q4	329	1546	1875
By Percentage			
Quarter (2020)	LATE	ON TIME	Total
1	17%	83%	100%
2	14%	86%	100%
3	30%	70%	100%
4	7%	93%	100%
Up to Q4	18%	82%	100%



4.4 Disbursement Link Indicators (DLI) - KfW Program

4.4.1 RBL DLI 1: Increased numbers of total PLN Customers

As at December 2020, for Quarter 4 in 2020, PLN has a total number approximately 7,636 M customers in Sulawesi and Nusa Tenggara, which of the KfW RBL target of 7.025 M for 2020. Data for this indicator are extracted from the SILM system, which has an integrated link to PLN's customer database (AP2T). The achievement in Quarter 4 in 2020 is around 108,7% if we compare the target in 2020.

4.4.2 RBL DLI 2: Increased annual electricity sales

Data for KfW RBL DLI 2 are extracted from the SILM system, which has an integrated link to PLN's customer and energy sales database (AP2T).

The Total Energy Sales from January to December 2020 has reached 14.658 GWh, which of the KfW RBL's target in 2020 are 13.964 GWh (104,97%)

The Total Commercial Energy Sales from January to Dec 2020 has reached 2.525 GWh, which of the KfW RBL's target in 2020 are 2.849 GWh (88,63%)

4.4.3 RBL DLI 3: MV Feeder Permanent Interruptions

The number of MV feeder permanent interruptions reported in SNT over the period January – December 2020 was 10,17 interruptions per 100 ckm, which of the KfW RBL's target of 13,86 interruptions per 100 ckm for the 2020. The achievement in Quarter 4 2020 is around 126,6%.

Data for this DLI is extracted from SILM, though the source data is filled from Distribution Control Center from each of the PLN Wilayahs.

4.4.4 RBL DLI 4: Increased numbers of distribution transformers

As at Quarter 4 in 2020, the number of distribution transformers was 55.420 units, which of the KfW RBL 2020 target of 50.721 unit. The achievement in Quarter 4 2020 compare to full target in 2020 is around 107,25%.

Data for this DLI is extracted from SILM, though the source data is filled in manually with input from each of the PLN Wilayahs.

4.4.5 RBL DLI 5: Additional length of medium voltage (MV) distribution lines

The number of additional length of medium voltage (MV) distribution lines installed over the period Quarter 4 2020 was 57.195,3 ckm, which of the KfW RBL 2020 target of 57.190 ckm. The achievement in Quarter 4 2020 compare with the full target is around 100,01%.

Data for this DLI is extracted from SILM, though the source data is filled in manually with input from each of the PLN Wilayahs.

For Lombok and Flores, the length of medium voltage (MV) distribution lines in Quarter 4 2020 were 3.565 ckm and 4.182 ckm respectively, achievement total 7.746,65 ckm which of the KfW RBL's target is 6.716 ckm. The achievement in 2020 is around 115,35%.

4.4.6 RBL DLI 6: Regular Environmental and Social Safeguard Training Sessions Conducted

Target 2019 (i): Issue a technical guidance on the implementation of safeguard DLIs and safeguard program actions (including the guidance on safeguard screenings) according to international good practice to General Managers of PLN Wilayahs: Provide information on the status of the updated technical guidance in 2019, and stated that the guidance would be completed in 2021.

The existing technical guidance for the RBL program financed by ADB will be revised in order to addressed the new KfW DLI and PAP, the updated regulations, and adding more standards/template for the supporting documents (minutes of meeting, attendance list, etc). Until the end of 2019, the updated technical guidance was still under reviewed by PLN and revised by ERM. The previous meeting was held on November 7, 2020 between PLN, KfW, and ERM. Besides PLN, the ADB and IVA are also reviewing the guidelines to provide inputs for the lesson learned of the program and its improvement. The guideline will be finalized in 2021.

Target 2019 (ii): Appoint safeguards focal persons who have attended PLN's internal safeguards training at each Wilayah and Area to implement environmental and social safeguard activities: Provide information and evidence (e.g., appointment letters) for the focal points that have been appointed in 2019, and that have attended internal safeguard training (e.g., the one that have been conducted in Bogor, 2019).

The focal persons has been appointed at each UIW and UP3 for environmental safeguards and at each UIW, UP3, and UP2K for social safeguards. Besides the regular capacity building, PLN initiated another capacity building on November 19-20, 2019, with the IVA as speakers to all UIW and UP3 to have a better understanding on how to fill the forms and collecting the supporting documents. The appointment letters of focal persons and the documents related to capacity building are attached.

Target 2020 : Build capacity on environmental and social safeguards with a focus on the safeguard DLIs and safeguard program actions by holding regular meetings (including refresher training sessions) convening relevant PLN staff at headquarters, Wilayahs, and Areas, as well as all focal persons, contractors and key local government counterparts) to ensure the smooth and timely implementation of the safeguard DLIs and safeguard program actions

The capacity building has been held on November 24-25, 2020 to all UIW and UP3 in Sulawesi and Nusa Tenggara region and also all UIW and UID in other region for several sessions. The contractors and local government also attended the capacity building. The topics of the capacity building are the discussion on the updated technical guidance following to KfW funding om RBL program, the clauses of environmental and social safeguards in the distribution contracts, the socialization of MoEF regulation No. P.12/MENLHK/SETJEN/PLB.3/5/2020 regarding the Hazardous Waste Storage, PCB Cross Contamination, Policy of Electricity Development and Indigenous People Management, Social Impact Assessment and Mitigation, Draft SOP of Oil Spill Management, Lesson Learnt from Oil Spill Cases, Public Consultation and Written Agreement.

The table below shows the attendance of focal persons in the capacity building but beside the focal persons, another K3L and social personnel have participated, therefore there were representative from all units.

Table 9: Number of Focal Point ENV Safeguard

UIW	Numbers of Focal points ENV Safeguard appointed that have participated in the PLN's internal ENV safeguard training	Numbers of Focal points ENV Safeguard appointed that have not participated in the PLN's internal ENV safeguard training	Numbers of Focal points Social Safeguard appointed that have not participated in the PLN's internal Social safeguard training	Numbers of Focal points Social Safeguard appointed that have not participated in the PLN's internal Social safeguard training
UIW NTB	1 from UIW NTB	3 from all UP3	3 from UIW, up3 Bima, and UP3 Sumbawa	2 from UP3 Mataram and UP2K NTB
UIW NTT	4 from UIW, UP3 Kupang, UP3 Sumba, and UP3 FBT	1 from UP3 FBB	4 from UIW, UP3 Kupang, UP3 Sumba, UP2K Kupang	1 from UP3 FBT
UIW Sulserabar	5 from UP3 Makassar Selatan, UP3 Pare-pare, UP3 Palopo, and UP3 Baubau	6 from UIW, UP3 Makassar Utara, UP3 Watampone, UP3 Bulukumba, UP3 Kendari, and UP3 Mamuju	3 from UP3 Watampone and UP3 Kendari	12 from UIW, UP3 Makassar Selatan, UP3 Makassar Utara, UP3 Pare-pare, UP3 Pinrang, UP3 Palopo, UP3 Bulukumba, UP3 Baubau, UP3 Mamuju, UP2K Sulawesi Selatan, UP2K Sulawesi Barat, and UP3 Sulawesi Tenggara
UIW Sulutenggo	5 from UIW, UP3 Palu, UP3 Luwuk, UP3 Tahuna, and UP3 Manado	3 from UP3 Gorontalo, UP3 Toli-toli, and UP3 Kotamobagu	1 from UP3 Toli-toli	7 from UIW, UP3 Palu, UP3 Luwuk, UP3 Gorontalo, UP3 Tahuna, UP3 Manado, and UP3 Kotamobago
SNT	15	13	11	22

4.4.7 RBL DLI 7: Written Agreement From Private Land-Owners for Installation of Distribution Transformers in new locations.

The target 2020 : 30% written agreement from private land-owners

The calculation of the percentage of acquisition of land agreements at DLI 7 is carried out by dividing the number of obtained land agreement documents obtained by the data on the number of transformers installed on private land. Number of additional transformers installed from 1 January to 31 December 2020 are based on SILM. The number of transformers installed on private land based on data transformer installation work made by UIW and inputted in Form 6. In form 6, data on transformers installed on public land and private land are reported as well as the number of written agreements obtained on private land.

It is difficult for PLN to collect information on land ownership rights (certificate of ownership / SHM) on private land used for transformer installation in 2020. Therefore, for achieving land agreements on privately owned land according to DLI 7 of 2020, PLN assumes that all private land on which the transformer is installed has ownership rights certificates.

Table 10. Number of land-owner agreement of transformers installed in private land in Q4 2020

UIW	Number of additional transformers installed, 1 Jan to 31 Dec 2020 (A)	Number of additional transformers installed in private land, 1 Jan to 31 Dec 2020 (B)	Land-owner agreement of the transformers installed in private land 1 Jan to 31 Dec 2020 (C)	%
NTB	239	62	30	48%
NTT	510	98	31	32%
Sulselrabar	1.458	155	90	58%
Suluttenggo	792	40	19	48%
SNT	2.999	355	170	48%

The number of additional transformers installed based on SILM, for 2020 the additional transformers installed in Sulawesi and Nusa Tenggara are 2.999 units, and the transformers that installed in private lands are 355 units. And the total written agreement between PLN and the private land-owners are 170. The detail for UIWs can see in Table 10

The number of land-owner agreement of transformers installed in private land over the period Quarter 4 2020 was 48% which of the KfW RBL 2020 target of 30%.

4.4.8 RBL DLI 8: Improvement of asset and waste management

Target 2019 :

1. All warehouses equipped with oil containment/protection measures
On progress, 13 out of 25 of warehouses have been equipped with oil containment/protection measures, i.e. UP3 Bima, UP3 Mataram, UP3 Sumbawa, UP3 Sumba, UP3 Makassar Utara, UP3 Parepare, UP3 Baubau, UP3 Manado, UP3 Kotamobagu, UP3 Tahuna, UP3 Gorontalo, UP3 Tolitoli, and UP3 Palu.
2. In the loan review meeting on June, it is agreed that the oil containment is mandatory for the warehouse and hazardous waster-storage, while oil protection measures are voluntary and not as the achievement indicators.

At least 50% of PLN's used equipment in the 2016 inventory safely disposed (achieved 100%)

For asset and waste management improved of used PLN equipment from the 2016 disposal inventory, the total identification as December 31, 2016 for acquisition value proposal in distribution was 39.630 million rupiah (for PLN UIW Sulselrabar proposal number 0583/KEU.02.03/WSSTB/2016, dated June 28th, 2016). This inventory was approved by the board of PLN Commissioner with letter number 269/DK-PLN/2016, dated Dec 30th, 2016 and by Ministry of State-Owned Enterprises with letter number S-290/MBU/04/2018, dated Apr 27th, 2018. Accounting Division has sent a letter to PLN UIW Sulselrabar with letter number 2205/KEU.02.03/DIVAKT/2018, May 17th, 2018 for asking sales contract process.

Disposing asset management will follow the procedure from Director Decree No. 015.E/870/DIR/1998 regarding Penarikan Aktiva Operasi Menjadi Aktiva Tidak Beroperasi dan Director Decree No. 1233/DIR/2011 regarding Tata Cara Penghapusbukuan dan Pemindahtanganan Aktiva Tetap PT PLN (Persero). Hazardous Waste with used equipment categorized (ATTB) that has been abolished from operation asset will be managed as hazardous waste. PLN DIV HSSE has prepared Draft of Director Decree of Hazardous Waste Management which already submitted to Legal Division for their review.

The Director Decree No. 02080.K/DIR/2019 has been issued on November 25, 2019 concerning the Moratorium Annulment of The Abolition of Hazardous Waste with used equipment categorized (ATTB) and Material. The Directors have agreed to conduct the abolition of ATTB and material based on the unit's proposal to be approved by the board of Commissioners.

Concerning the follow up of clean up oil spill, the draft SOP of oil spill management has been informed to all Units to seek their inputs through Focus Group Discussion on January 20, 2021. The revised SOP has been prepared with the help from the Consultant and will be reviewed by PLN and also ADB. Subsequently, the oil spill management and monitoring will follow the SOP.

4.5 Program Action Plan (PAP) Implementation ADB and KfW RBL Programs

PAP Items	Description	Responsible Teams	Time Frame	PLN Claimed Status for Q4 Report 2020
1 ADB - KfW	Plan and finalize the selection of locations and components for the strengthening and expansion of the distribution system, and criteria for sequencing related interventions under the program	UIW; DIV PRSUL and DIV PR MPNT	from 2017	<p>PLN Div Randal Sulmapana, PLN Div ANG and PLN Wilayahs have compiled SKAI and SKKI in 2020 and will send to IVA.</p> <p>The description of strengthening and expansion programs are listed in SKKI distribution for PLN Wilayahs and PLN areas. Finalization can be seen in actual budget realization and evaluation report</p>
2 ADB - KfW	Support the national program to develop tourism to stimulate job creation and economic growth. Establish annual targets for the number of new customers in PLN Areas with government-designated tourism development sites, and include progress in quarterly reports, with semi-annual consultation with the MOF.	UIW, DIV PRSUL, PR MPNT; DIV SIS; DIV CORP	from 2017	<p>There are some increased of customers in these areas - Nusa Tenggara: Lombok dan Flores Barat and Sulawesi: Bau Bau, Manado (The data can be seen in monthly report until Dec 2020).</p> <p>PLN has sent Management Contract for those area include the customer target in 2020, and has sent the report of achievement the total / growth of energy sales in Bau Bau, Manado, Mataram and Flores Bagian Barat.</p> <p>PLN always supports tourism programs especially in tourist destination areas, either for the addition of new customers or additional power, as long as PLN has sufficient supply, it will be served as soon as possible.</p>
Technical				
3 ADB - KfW	Analyze work process flows relating to the timely completion of distribution implementation contracts. Use the solutions coming from this process to accelerate the implementation and completion of distribution contracts.	DIV SCM; UIW (for works contracts); DIV PRSUL, PR MPNT	by the end of 2017	Done, no further data required
Program Result				

4. ADB - KfW	Build the capacities of and conduct orientation sessions for relevant field personnel on the RBL program and DLI reporting.	DIV TLN; DIV HCMS; DIV PRSUL, PR MPNT; UIW	from 2017	<p>PLN has sent commitment from management (PLN Wilayah) for 2020 to achieve RBL targets of programs.</p> <p>PLN have conducted AMK workshop in Sept 2020 by video conference.</p> <p>PLN have conducted Safeguard Capacity Building on November 2020</p>
5.ADB	Conduct capacity building programs in targeted areas to enhance the understanding and acceptance of new technologies and innovations (e.g., smart grids and digital prepaid meters) among stakeholders.	UIW, DIV PRSUL, PR MPTN; DIV SIS; Smart Grid Task Force	from 2018	<p>PLN Sul & NT have conducted smart grid workshop in May 2020 by video conference.</p> <p>PLN have conducted the training of PLTS and Prepaid meter for employee.</p>
Monitoring and Evaluation				
6. ADB/ 5.KfW	Establish tracking, reporting, and verification systems for DLIs: (i) incorporate DLIs into the SILM in a separate module, and set up mechanisms to produce regular DLI reports so that corrective action is possible; and (ii) based on these internal DLI reports, set up mechanisms to produce the Annual DLI Achievement Report, to be shared with the MOF and ADB.	SPKK; DIV PRSUL, PR MPNT	from 2017	<p>On-track for 2020.</p> <ul style="list-style-type: none"> - DLI 1, 2, 3, 4, 5, 7: SILM - DLI 6: report from Smart Grid Team SNT - DLI 8: MoM from meeting with HSSE and Accounting Division - Non DLI: Report from SCM Division <p>PLN Sul & NT has developed specific monitoring document for monthly DLI tracking in excel report by UIW.</p> <p>PLN will sent report to ADB and KfW.</p> <p>For report to MoF, Risk Management Division already took a responsibility for reporting all achievement report to MoF on 2020.</p> <p>For collecting monthly progress, PLN did regular video conference with PLN unit to know the achievement for DLI target (DLI 1,2,3,4,5,7)</p>

7 ADB/ 6. KfW	Implement or update the measurement and recording of indicator baselines, with a view to (i) conduct effective performance monitoring; and (ii) report on DLIs.	SPKK; DIV PRSUL, PR MPNT; CRS	from 2017	Completed
8 ADB/ 7. KfW	Strengthen PLN's regular monitoring and evaluation system for reporting DLIs and other key performance indicators in real time, including the generation of monthly summary progress reports on all RBL program indicators, which will become the basis for annual reporting on DLIs and other indicators.	SPKK; DIV PRSUL, PR MPNT;	from 2017	Achieved with SILM data and manual report Every month, PLN Regional together with PKK Division conduct a performance dialogue to monitor the unit performance according to KPIs. PLN Regional also publishes monthly reports related to activities for one month for the purpose of evaluation and management decision making. PLN Sul & NT has developed specific monitoring document for monthly DLI tracking.
9. ADB/ 8. KfW	Assess the achievement and verification of the DLIs by PLN and the independent verification agent and authorize the DLI Achievement Report to be shared with the MOF and ADB. Submit the withdrawal application directly to ADB and a copy to the MOF, accompanied by the review mission's verification of DLI achievement and other supporting documents.	DCP; SPKK; DIV CORP; DIV PRSUL, PR MPNT; DIV TRE, DIV RISK	from 2017	PLN will send report to ADB and KfW. For report to MoF, Risk Management Division already took a responsibility for reporting all achievement report to MoF in Q4 2020.
Financing and partnerships				
10 ADB/ 9. KfW	Monitor funding allocations from the Government of Indonesia and all financing partners against agreed funding and investment targets, using existing systems run by PLN's Finance and Budgeting Division and Treasury Division.	DIV TRE; DIV AKT; DIV ANG; DIV KEU	from 2017	Data is available at the Directorate of Finance in coordination with DIV Corp for all financing of PLN activities. PLN do not consider the unallocated funding using the market-based instruments to be a major risk for meeting its investment targets. DIVKEU is responsible for fulfilling PLN's short-term financing needs based on the RKAP, i.e. plugging funding shortfalls within a one-year timeframe. DIVKEU is confident that PLN has abundant access to market-based financing instruments for any funding shortfalls, and DIVKEU needs only to choose the optimal pathway (on a just in time basis). PLN DIVKEU has also performed

				<p>monitoring of the funding from the financing partners as a part of their periodic monitoring.</p> <p>Funding allocations for distribution investment will fulfill from :</p> <ul style="list-style-type: none"> • RBL ADB • RBL KfW • PMN (Penyertaan Modal Negara) 2019 for rural program • Other funding
Financial Management				
11 ADB/ 10. KfW	Complete the full integration of IBM Cognos' Budget Planning and Control System with the ERP system to allow (i) system-generated comparisons of the budget with actual expenditures, and (ii) system-generated consolidated financial statements.	DIV AKT; DIV KEU ; DIV ANG	by Jan 2018	Completed
Procurement				
12 ADB/ 11. KfW	PLN's new procurement monitoring system "AMK" implemented in program areas, and a procurement monitoring report prepared and submitted quarterly.	DIV SCM; DIV PRSUL, PR MPNT; UIW	by the end of 2017	<p>Currently PLN still uses AMK in Wilayah. In the future, PLN plans to integrate e-proc, enterprise asset management, and ERP. Once this is integrated, procurement monitoring report can be produced automatically without having to do double entry to AMK. (Will update the latest status from STI Division)</p> <p>Data input by user in PLN Areas for AMK application. PLN will send the data to IVA.</p>
13 ADB/ 12. KfW	An SCM and dispatching system implemented in program areas.	DIV SCM	by the end of 2017	No further action is required

14 ADB/ 13. KfW	Procurement audits each year of 10% of all contracts at <i>Wilayah</i> and <i>Area</i> offices (information sheet shared with ADB).	DIV SCM; DIV PRSUL, PR MPNT, UIW; SPI	starting from 2017 audit	PLN Sulmapana region has received the update report from SPI Bali and Nusra and SPI Sulawesi the resume of audit the distribution procurement for July 2020 until December 2020 in Februari 2021.
15 ADB/ 14. KfW	Prepare and conduct open competitive bidding (allowing international bidders to participate) following PLN's procurement procedures for all pilot smart grid projects under the program.	DIV PRSUL, PR MPNT; Smart Grid Task Force (including DIV SIS, DIV CORP, SPKK, and others); DIV DAS; DIV EPP	from 2018	<ol style="list-style-type: none"> 1. Procurement on Selayar Smart Grid already conducted in 2019 and re-procurement estimated on Feb 2021 after revised the bid-doc. 2. Procurement on Sangihe already conducted in Nop 2020, the progress is bid entry. 3. Semau already COD (Nop 2020) 4. Procurement on Medang was failed, re-procurement estimated on Feb 2021
Safeguard				
16. ADB	<i>Issue a technical guidance on the implementation of safeguard program actions (including the guidance on safeguards screening^a) to General Managers of PLN Wilayahs.</i>	<i>DIV HSSE, DIV PR SUL, PR MPNT; DIV OR SUL; DIV OR MPNT</i>	<i>prior to the first annual disbursement</i>	<p><i>PAP of safeguard in Sulawesi and Nusa Tenggara have been sent to EVP PR SUL and EVP PR JBNTN by Nota Dinas No. 00647/KLH.01.02/EVPHSSE/2018 dated 21st Dec 2018 later on forwarded to PLN Wilayah.</i></p> <p><i>The letter has been forwarded by PR-SUL to UIW SSTB and SUTG by letter number 0011/KLH.01.02/EVPPR-SUL/2019 on Jan 14th, 2019. Also for PR-JBNTN to UIW NTB and NTT by letter number 0179/KLH.01.02/DIVPRJBNTN/2019 on May 14th, 2019.</i></p> <p><i>Following the KfW funding for this program, a technical guidance is being revised and is currently under final review by PLN, ADB, and IVA. The technical guidance is a combined guideline following both ADB and KfW safeguards requirements. The technical guidance has been presented in the E&S capacity building held on 24-25 November 2020.</i></p>
17 ADB/ 15 KfW	<i>Strengthen meaningful consultation with affected peoples and IPs by: (i) issuing guidance on meaningful consultation in collaboration with DIV PRSNT and SKOM</i>	<ol style="list-style-type: none"> (i) DIV HSSE (ii) UIWs 	<ol style="list-style-type: none"> (i) prior to the first annual disbursement (ii) from 	<p><i>i) Meaningful consultation guidelines already exist in the revised technical guidelines (PAP 16), for lists of indigenous peoples check www.brwa.or.id</i></p> <p><i>DIVHSSE has made a reporting template Form 6 of the technical guidance</i></p>

	<i>(the guidance will ensure the participation of IPs in tailoring project benefits for affected IPs communities in a culturally appropriate manner) with reference to MOEF Regulation No.17/2012); and (ii) document the process and result of the consultations</i>		2017 onward	Appendix III.6, consultation public record and the evidence. <i>ii) Screening result record show in Form 1 from all UP3s -Not all units held public consultation with documentation. due to pandemic conditions, public consultations carried out by involving many people. Furthermore, the type of project that is preferred is to strengthen supply and connect premium customers so that distribution lines are built relatively short and do not cross indigenous peoples' territories.</i>
18 ADB/ 16 KfW	<i>Ensure the application of environmental mitigation measures to the construction of distribution lines by: (i) preparing environmental documents (UKL/UPL or SPPL) for the construction of distribution lines that is approved by the BLHD; (ii) specifying environmental mitigation measures in the contract document; (iii) monitoring the implementation of the mitigation measures; and (iv) proposing and implementing corrective actions if noncompliance with the proposed mitigation measures is identified.</i>	UIW	from 2017 onward	<p><i>Form 6 is subject to address PAP 18 (i), (ii), and (iii). This form has been added to the criteria for the evaluation of environmental performance reports.</i></p> <p><i>Based on the HSSE evaluation to the units, all UP3 have filled out form 6 but the supporting documents (evidence) were not checked (for now, not required for the evaluation).</i></p> <p><i>(i) PLN Wilayahs have gradually developed the environmental documents and permits for distribution lines activities. The pending documents of UIW Sulutenggo (UP3 Manado) and UIW Sulselrabar (all UP3 except UP3 Makassar Utara and UP3 Makassar Selatan) have not yet been received until the end of Q3.</i></p> <p><i>(ii) UIW NTB, UIW NTT, and UIW Sulutenggo have submitted the contract documents, which mentioned the environmental mitigation measures until the end of Q3. Moreover, the standard clauses of environment and social protection have been delivered to units through letter No. 16722/KLH.00.01/B01070500/2020 dated January 6, 2020. In this year capacity building (24-25 November 2020), the clauses was presented and discussed. Some units are under preparation to include the clauses in their contract documents.</i></p> <p><i>(iii) The implementation of mitigation measures by the Contactors has been reported to PLN UP3 regularly by Laporan Pelaksanaan Pekerjaan. Hoever, the monitoring report of the environmental mitigation measures has not yet prepared by the Contractors. To have a better understanding and smooth reporting, the format of Contractor's monitoring report will be shared to the units.</i></p> <p><i>(iv) No corrective action is required. Monitoring of activities (i), (ii), and (iii) are informed in Form 6. Monitoring activities (i), (ii), and (iii) are informed in Form 6.</i></p>

19 ADB/ 17 KfW	<p>Improve the management of waste and assets at warehouses by: (i) preparing an inventory of used equipment for disposal as of the end of 2016; (ii) preparing an inventory of used equipment for disposal at the end of each year from 2017 onward; (iii) securing approval of the disposal inventory (as of the end of 2016) from the PLN Board of Commissioners (for equipment less than 5 years old) and the MSOE (for equipment more than 5 years old); (iv) revising the PLN Guidance for Asset Management (1998) to accelerate the disposal of hazardous waste, including a requirement to prepare and submit annual disposal inventories from the end of 2017 onward; (v) preparing a waste and asset management improvement plan (including a timeframe, budget, and human resources) in consultation with DIV AKT and DIV K3L, to be approved by DIR REG SNT; (vi) cleaning up existing oil spills in accordance with relevant regulations (including MOEF Regulation No. 33/2009 and Government Regulation No. 101/2014), and disposing of excavated hazardous waste material at appropriately licensed hazardous waste disposal facilities, while retaining records of all transfer notes; (vii) equipping warehouse sites (with hazardous wastes) with oil containment and protection measures; and (viii) implementing the waste and asset management improvement plan.</p>	<p>(i) UIWs; DIV AKT</p> <p>(ii) UIWs; DIV AKT</p> <p>(iii) DIV AKT</p> <p>(iv) DIV AKT; DIV HSSE</p> <p>(v) UIWs; UP3s; DIRREG SULMAPAN A</p> <p>(vi) UIWs; UP3s</p> <p>(vii) UIWs; UP3s</p> <p>(viii) UIWs; UP3s</p>	<p>(i) by Dec 2017</p> <p>(ii) every first quarter starting from 2018 onward</p> <p>(iii) by Dec 2018</p> <p>(iv) by Dec 2017</p> <p>(v) by Dec 2017</p> <p>(vi) by Dec 2018</p> <p>(vii) by Dec 2020</p> <p>(viii) by Dec 2021</p>	<p>(i) Related to letter No. 0583/Keu.02.02/WSSTB/2016 an inventory of used equipment for disposal as of the end of 2016 have been submitted from Wil Sulsebarbar to PLN DIVAKT.</p> <p>(ii) Accounting Division will submit a list of inventory of used equipment from 2017 onward</p> <p>(iii) MSOE has approved the disposal inventory through the letter No. S-290/MBU/04/2018.</p> <p>(iv) Asset management disposal will follow the procedure from Director Decree No. 015.E/870/DIR/1998 and Director Decree No. 1233/DIR/2011. Hazardous Waste with used equipment categorized (ATTB) that has been abolished from operation assets will be managed as hazardous waste. PLN DIV HSSE has prepared Draft of Director Decree of Hazardous Waste Management which already submitted to the Legal Division for their review.</p> <p>(v) PLN UIWs have submitted the waste and asset management improvement plans in the form that has been agreed upon by ADB. The forms have been submitted to ADB and IVA through email.</p> <p>(vi) The report regarding regulatory of oil spill management and clean-up of spill sites covered with concrete and a Draft of Standard Operational Procedure (SOP) regarding the oil spill management have been prepared by the hazardous waste experts. Moreover, the draft SOP of oil spill management has been informed to all Units to seek their inputs through Focus Group Discussion on January 20, 2021. The revised SOP has been prepared with the help from the Consultant and will be reviewed by PLN and also ADB. Subsequently, the oil spill management and monitoring will follow the SOP. The excavated hazardous materials has been stored in temporary hazardous waste storage or transported to the licensed third party.</p> <p>(vii) The number of warehouses equipped with the oil containment measures are 13 of 25, i.e. UP3 Bima, UP3 Mataram, UP3 Sumbawa, UP3 Sumba, UP3 Makassar Utara, UP3 Parepare, UP3 Baubau, UP3 Manado, UP3 Kotamobagu, UP3 Tahuna, UP3 Gorontalo, UP3 Tolitoli, and UP3 Palu. Meanwhile, the warehouses in UP3 Pinrang, UP3 Palopo, UP3 Mamuju, UP3 Bulukumba, and UP3 Kendari require the evidence to confirm that the facilities of oil containment and/or protection measures have been constructed. UP3 Kotamobagu, UP3 Tahuna, UP3 Luwuk, UP3 Tolitoli, UP3 Palu.</p> <p>(viii) PLN has submitted an action plan to improve the management of</p>

				<p>assets and hazardous waste in warehouses (Form 2). The warehouses that achieve the status of “almost complete/continual” are all warehouses in UIW NTB, UP3 FBB, UP3 Kupang, UP3 Sumbawa, UP3 Makassar Selatan, UP3 Mamuju, UP3 Palopo, UP3 Pare-pare, UP3 Pinrang, UP3 Baubau. UP3 Gorontalo, UP3 Kotamobagu, UP3 Luwuk, UP3 Palu, UP3 Tahuna, and UP3 Toli-toli.</p> <p>Partial completion: UP3 FBT, UP3 Makassar Utara, UP3 Watampone, UP3 Manado. And the unit with the status of “In Progress” in UP3 Bulukumba.</p> <p>(ix) While the other Form 2 is subject to address PAP 19. This form has been added to the criteria for the evaluation of environmental performance reports.</p>
20.ADB/18 KfW	<p>Enhance community safety along distribution lines (including transformers) under operation by (i) building community awareness to prevent the growth of tall vegetation along the distribution lines and public contact with potentially dangerous electrical equipment; (ii) monitoring tree trimming by the distribution line maintenance contractors; (iii) reducing outages due to tree disturbances (baseline data collected in 2017); and (iv) posting safety notices on newly installed distribution transformers.</p>	<p>(i) Div PPT; UIWs (Public Relation Division)</p> <p>(ii) UIWs</p> <p>(iii) UIWs</p> <p>(iv) Div PPT; UIWs (through contractors)</p>	<p>(i) from 2017 onward</p> <p>(ii) from 2017 onward</p> <p>(iii) from 2017 onward</p> <p>(iv) from 2017 onward</p>	<p>Forms 4 and 5 are subject to address PAP 20. These forms have been added to the criteria for the evaluation of environmental performance reports. Based on the HSSE evaluation to the units, all UP3 have filled out forms 4 and 5 with the progress updates but the supporting documents (evidence) were not checked (for now, not required for the evaluation).</p> <p>(i) Community awareness activities record show in Form 4 from all UP3s.</p> <p>(ii) Monitoring tree trimming activities records are shown in Form 5 from all UP3s.</p> <p>(iii) All UP3s have submitted the tree trimming data record as shown in Form 5.</p> <p>(iv) Safety notice activities record show in Form 4 from all UP3s. Some UP3 need to complete Safety notice posting date. Meanwhile, there is no safety notices activities in UP3 Kendari, UP3 Mamuju.</p>
21 ADB	<p>Obtain and document the written agreement of landowners for the use of land for distribution transformers, following Buku 4.</p>	<p>Div PPT; UIWs</p>	<p>from 2017 onward</p>	<p>DIVHSSE already prepared a template for the written agreement. This template is in the revised technical Guidance (PAP 16). Written agreements with landowners (form 6) have been submitted by all UP3s, except UP3 Mataram and Sumbawa.</p> <p>The format of the agreement letter or minutes has been made with the signatures of two parties and one witness as informed in the Capacity</p>

				<p>Building on September 20, 2019 and stated in Minutes of Meeting issued by letter No. 0340/KLH.01.02/010405/2019 dated October 15, 2019 from DIV HSSE to all UIWs. Moreover, DIV HSSE reminded UIW to submit the forms by the letter No. 0438/KLH.01.02/010405/2019 dated December 23, 2019.</p> <p>According to the report, several units have to confirm land use that requires written agreement and provide evidence.</p> <p>UIW Sulselarabar : UP3 Bulukumba, Makassar Selatan ,Makassar Utara , Watampone</p> <p>UIW Sulutenggo : UP3 Kotamobagu, Gorontalo, Palu, Tahuna</p> <p>UIW NTB : UP3 Sumbawa</p>
21 KfW	Template for documentation of written agreement from private land owners included in the standard contract model for the installation of distribution transformers	DIV HSSE, Wilayahs	From 2019 onward	<p>PLN already distributed the new template of written agreement and plan to send letter and socialize to PLN Wilayahs for including that template in the standard contract model in quarter 1 2021</p> <p>The written agreement template is contained in the updated technical guidelines, and currently the finalization stage is still ongoing, followed by translation into the Indonesian version.</p>
22 ADB	Monitor resettlement outcomes and their impacts on the living standards of displaced persons by reviewing complaints received, and take necessary actions if the impacts are found to affect the income and livelihood status of the affected persons. The monitoring result should be documented, and corresponding measures formulated and implemented if income and livelihood status are affected	(i) UIWs (ii) UIWs	(i) from 2017 onward (ii) from 2017 onwards	<p>PLN DV PR SUL and PR JB TBN have issued letters to UIW No. 0295/KLH.00.02/010901/2019 dated September 9, 2019 and No. 0406/KLH.00.02/011101/2019 dated November 29, 2019 concerning the Submission of Form of Complaints Management for Contractors.</p> <p>Grievance monitoring (Form 7) has been submitted from all UP3, though there are some UP3 that have no grievances.</p>
23 ADB	Appoint safeguards focal persons who have attended PLN's internal safeguards training at each Wilayah and Area to implement	Div PPT; UIWs; UP3s	prior to the first annual	<p>PLN has appointed focal persons in UIW and UP3 for environmental safeguards and in UIW, UP3, and UP2K for social safeguards.</p> <p>There is a changes of environmental focal person in UIW Suluttenggo but until Q4 2020 there is no a letter that informed the changes of focal</p>

	<i>environmental and social safeguard activities</i>		<i>disbursement</i>	<i>persons. The information of focal person's change is only received from UIW NTT.</i>
24 ADB	<i>Build capacity on environmental and social safeguards with a focus on the safeguard program actions by holding regular meetings (including refresher training sessions) convening relevant PLN staff at headquarters, Wilayahs, and Areas, as well as all focal persons, contractors and key local government counterparts) to ensure the smooth and timely implementation of the safeguard program actions.</i>	<i>DIV HSSE</i>	<i>from 2017 onward (at least once a year)</i>	<i>The capacity building training was conducted on 24-25 November 2020 involving participations of environmental and social safeguards of UIW and UP3, K3L personnel in UIW and UP3, UP2K, contractors, and key local governments (environmental agency, social agency, and energy and mineral resources agency), ADB, KfW, IVA, and ERM. The capacity building disseminated the updated technical guidance, environmental and social safeguards for distribution projects by HSSE and PPT Division, updated MOEF regulation regarding hazardous waste storage by MoEF, PCB management plan by PT. Ecoverse, Indigenous people by AMAN, Social Impact assessment on IP's Safeguard by ADB, warehouse management by UIW, Draft SOP of Oil Spill Management by the Consultant of DIV HSSE, verification result related to oil spill, and sharing session on the implementation of public consultation and obtaining written agreements on power distribution projects.</i>
25 ADB	<i>Monitor and ensure the implementation of the program actions by (i) monitoring and documenting the implementation of program action 19 and reporting to the PLN Wilayahs regularly (at least semi-annually), with records (transfer notes) of the disposal of hazardous waste at appropriately licensed facilities; (ii) monitoring and documenting the implementation of program actions 17, 18, 19, 21, 21 and 22, and reporting to DIV PR SNT, DIV PPT, and DIV K3L regularly (at least semi-annually), with records (transfer notes) of the disposal of hazardous waste at appropriately licensed facilities; and (iii) documenting the list of distribution line projects (including village names and the length of distribution lines) with the result of safeguards screening, and submitting this to DIV PR SNT and DIV K3L annually.</i>	<i>(i) UP3s (focal persons) (ii) UIWs (focal persons) (iii) UIWs</i>	<i>(i)–(ii) from 2017 onward (iii) from 2017 onward</i>	<i>i) PLN DIV HSSE has received the documents for implementing the program action 19 from all PLN Wilayahs and the documents have been submitted to ADB and IVA. ii) PLN DIV PR-SUL, DIV PR-MPNT, DIVHSSE, and DIV PPT have received the documents for implementing of program action 17, 18, 19, 20, 21, 22 from all PLN Wilayahs and the documents have been submitted to ADB and IVA. (iii) PLN has submitted all data and supporting documents to ADB and IVA. Several forms have been added to the criteria for the biannually evaluation of environmental performance of each units.</i>

