

# **RAPAT KOORDINASI KESIAPAN PT PLN (PERSERO) MELISTRIKI INDUSTRI SMELTER**

**Jakarta, 20 Desember 2019**

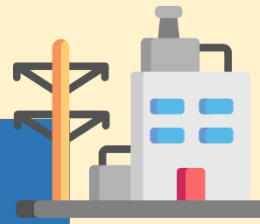


# 5 K KETENAGALISTRIKAN

1

## Kecukupan

*Implementasi perencanaan kebutuhan listrik nasional*



2

## Keandalan

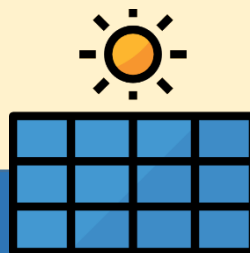
*Pemanfaatan teknologi (sensor) pada pembangkit untuk efisiensi*



3

## Keberlanjutan

*Penggunaan EBT / pemasangan PLTS pada pembangkit listrik*



4

## Keterjangkauan

*Mengupayakan harga listrik yang kompetitif, sehingga tariff masyarakat terjangkau*



5

## Keadilan

*Pemerataan akses listrik diwujudkan dalam peningkatan rasio elektrifikasi*



# TARIF INDONESIA DIBANDINGKAN TARIF ASEAN OKTOBER 2019







Jenis Pengguna	Satuan						
		Indonesia	Malaysia	Thailand	Singapura	Philippines	Vietnam
Rumah Tangga	(cUSD/kWh)	11,00	9,50	12,91	19,27	16,89	11,21
Bisnis menengah-TR		11,00	12,91	9,46	13,95	10,65	14,22
Bisnis besar-TM		8,36	9,12	9,11	13,67	10,40	13,07
Industri menengah-TM		8,36	7,88	8,07	12,76	10,15	8,17
Industri besar-TT		7,47	7,37	8,07	12,42	10,09	7,75

Kurs : Rp 13.342/USD

Negara		Sumber
Indonesia	Kementerian ESDM	<a href="http://www.esdm.go.id">www.esdm.go.id</a>
Malaysia	Tenaga Nasional Berhad	<a href="https://www.tnb.com.my/residential/pricing-tariffs">https://www.tnb.com.my/residential/pricing-tariffs</a>
Thailand	Board of Investment Thailand	<a href="http://www.boi.go.th/index.php?page=utility_costs&amp;language=en">http://www.boi.go.th/index.php?page=utility_costs&amp;language=en</a>
Singapura	Energy Market Authority (EMA)	<a href="https://www.ema.gov.sg/Electricity_Consumers.aspx">https://www.ema.gov.sg/Electricity_Consumers.aspx</a>
Philippines	The Manila Electric Company (MERALCO)	<a href="http://www.meralco.com.ph/consumer-information/rates-archive">http://www.meralco.com.ph/consumer-information/rates-archive</a>
Vietnam	Vietnam Electricity (EVN)	<a href="http://en.evn.com.vn/c3/gioi-thieu-l/Electricity-Price-9-28.aspx">http://en.evn.com.vn/c3/gioi-thieu-l/Electricity-Price-9-28.aspx</a>



# TARIF INDONESIA DIBANDINGKAN TARIF ASEAN OKTOBER 2019

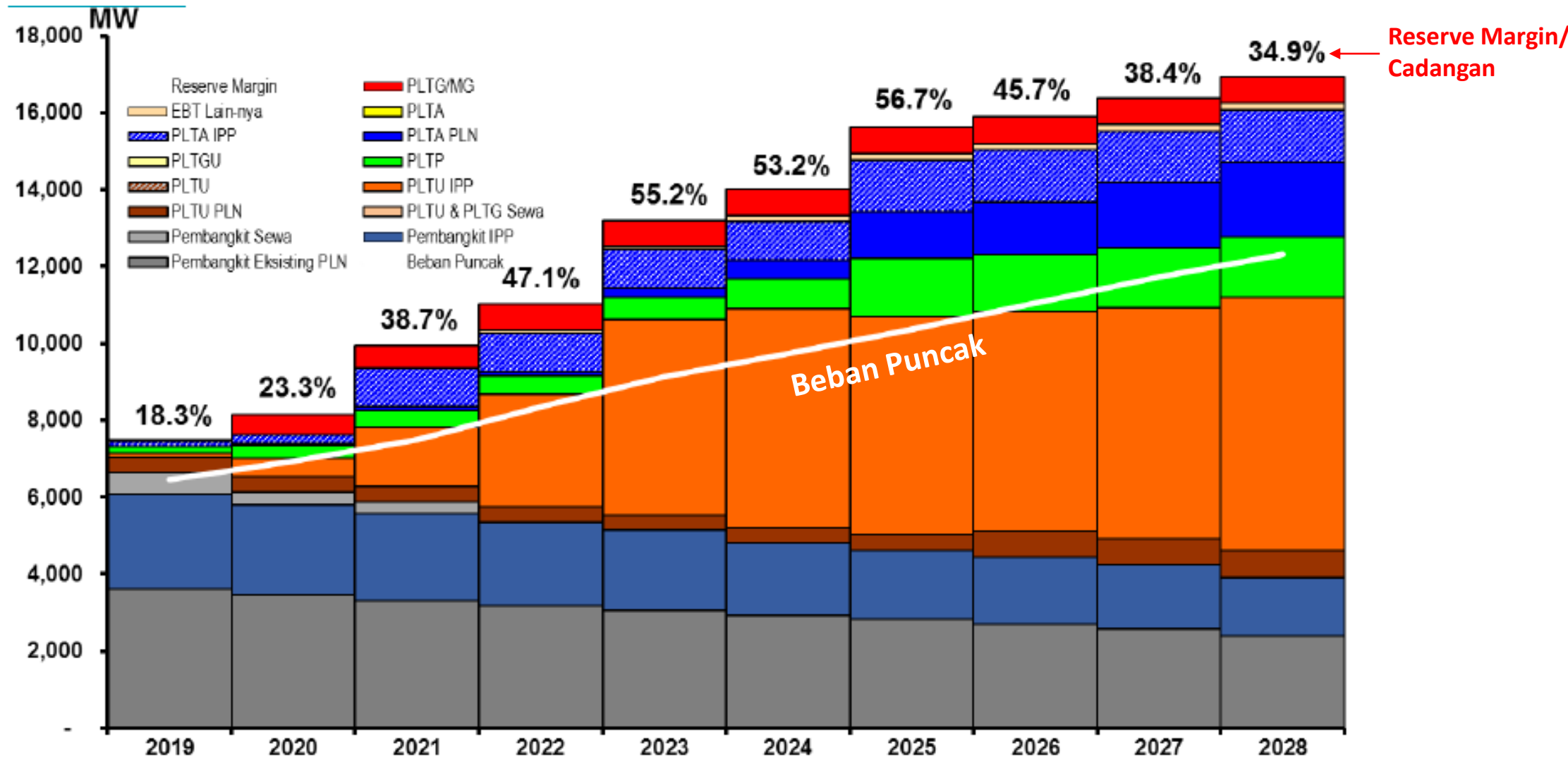
Jenis Pengguna	Satuan						
		Indonesia	Malaysia	Thailand	Singapura	Philippines	Vietnam
Rumah Tangga	(Rp/kWh)	1.467	1.268	1.723	2.572	2.254	1.495
Bisnis menengah-TR		1.467	1.722	1.262	1.862	1.421	1.897
Bisnis besar-TM		1.115	1.217	1.215	1.824	1.387	1.744
Industri menengah-TM		1.115	1.052	1.077	1.703	1.355	1.090
Industri besar-TT		997	984	1.077	1.657	1.347	1.034

Kurs : Rp 13.342/USD

Negara		Sumber
Indonesia	Kementerian ESDM	<a href="http://www.esdm.go.id">www.esdm.go.id</a>
Malaysia	Tenaga Nasional Berhad	<a href="https://www.tnb.com.my/residential/pricing-tariffs">https://www.tnb.com.my/residential/pricing-tariffs</a>
Thailand	Board of Investment Thailand	<a href="http://www.boi.go.th/index.php?page=utility_costs&amp;language=en">http://www.boi.go.th/index.php?page=utility_costs&amp;language=en</a>
Singapura	Energy Market Authority (EMA)	<a href="https://www.ema.gov.sg/Electricity_Consumers.aspx">https://www.ema.gov.sg/Electricity_Consumers.aspx</a>
Phillippines	The Manila Electric Company (MERALCO)	<a href="http://www.meralco.com.ph/consumer-information/rates-archive">http://www.meralco.com.ph/consumer-information/rates-archive</a>
Vietnam	Vietnam Electricity (EVN)	<a href="http://en.evn.com.vn/c3/gioi-thieu-l/Electricity-Price-9-28.aspx">http://en.evn.com.vn/c3/gioi-thieu-l/Electricity-Price-9-28.aspx</a>



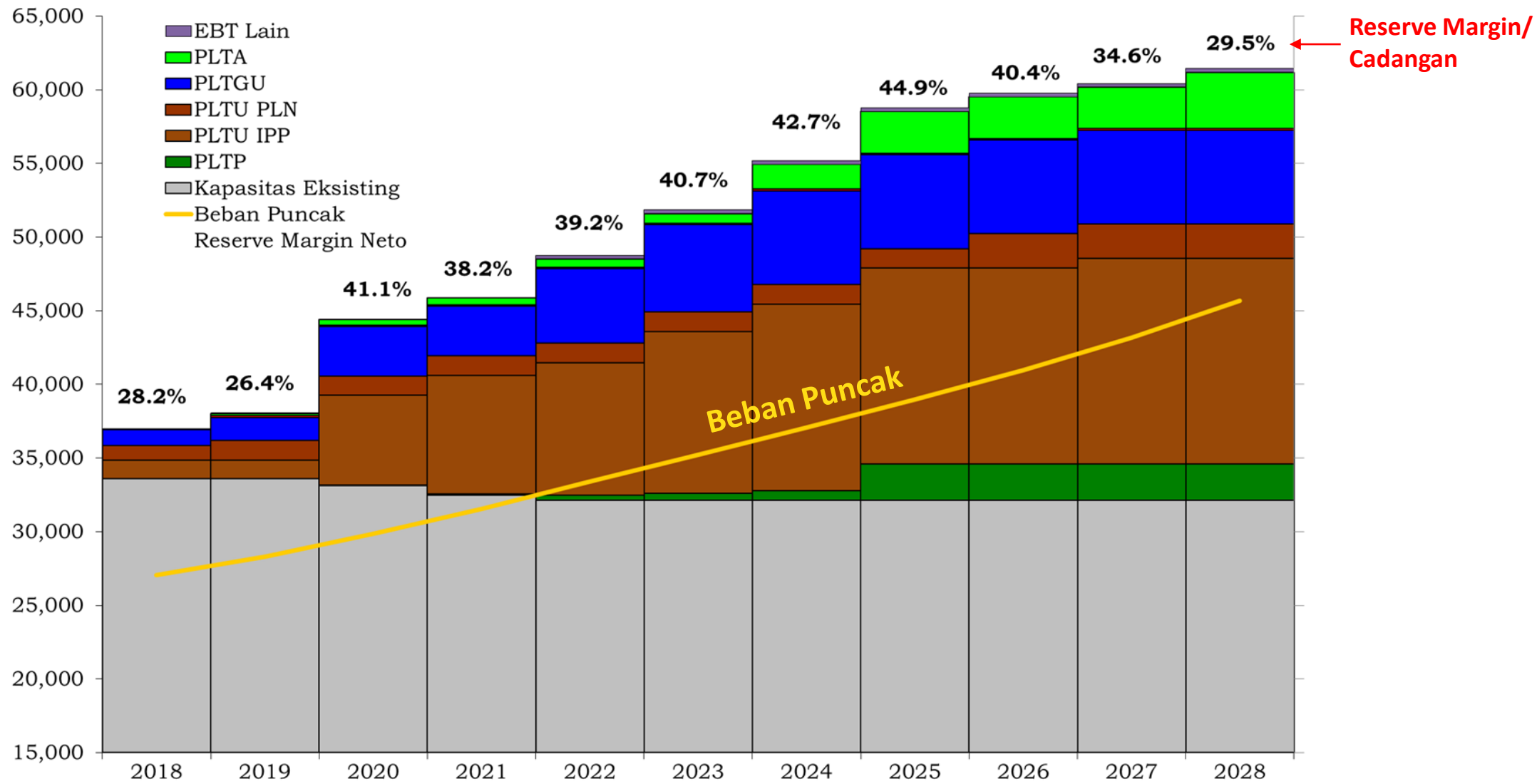
# NERACA DAYA SISTEM SUMATERA



Sumber: RUPTL PLN 2019-2028



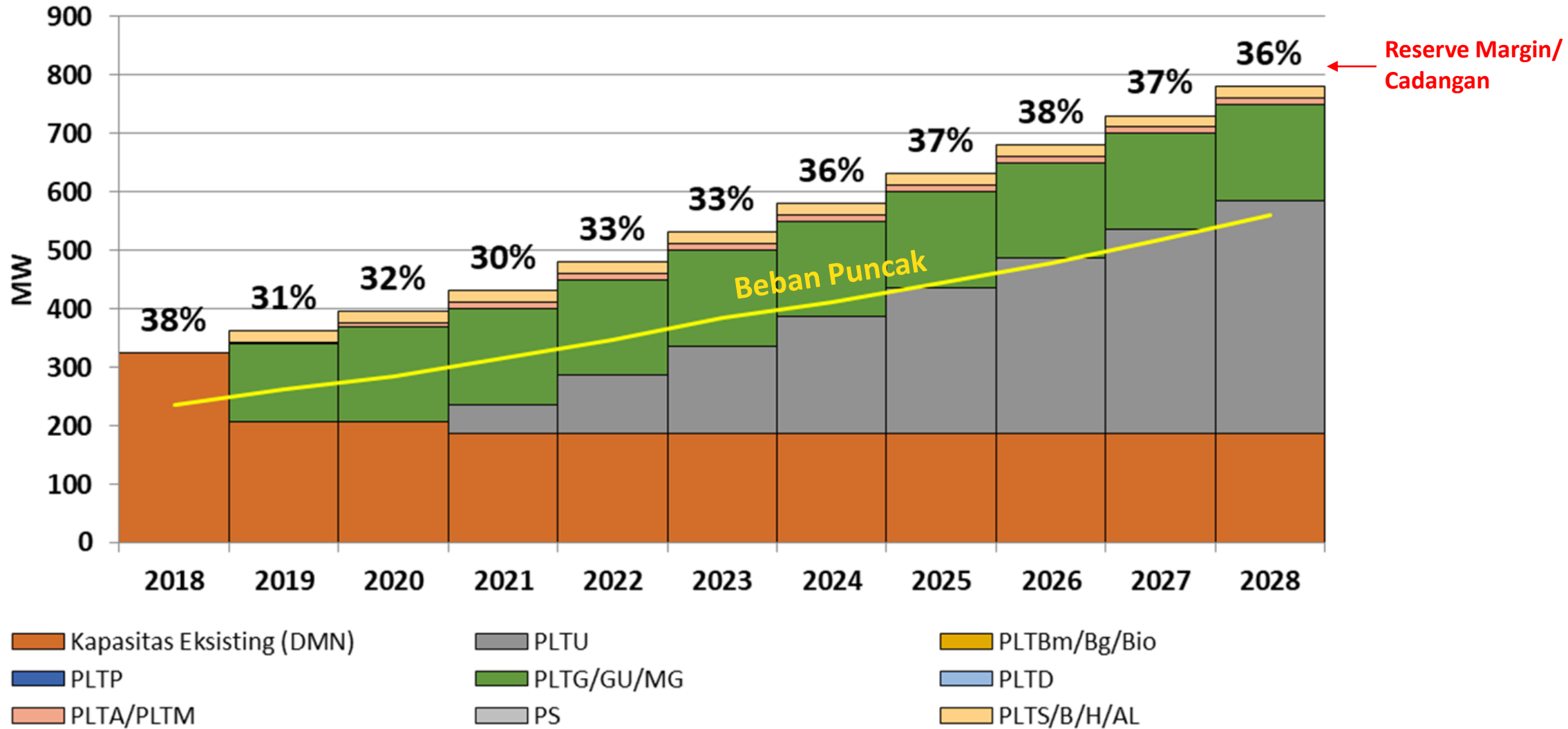
# NERACA DAYA SISTEM JAWA BALI



Sumber: RUPTL PLN 2019-2028



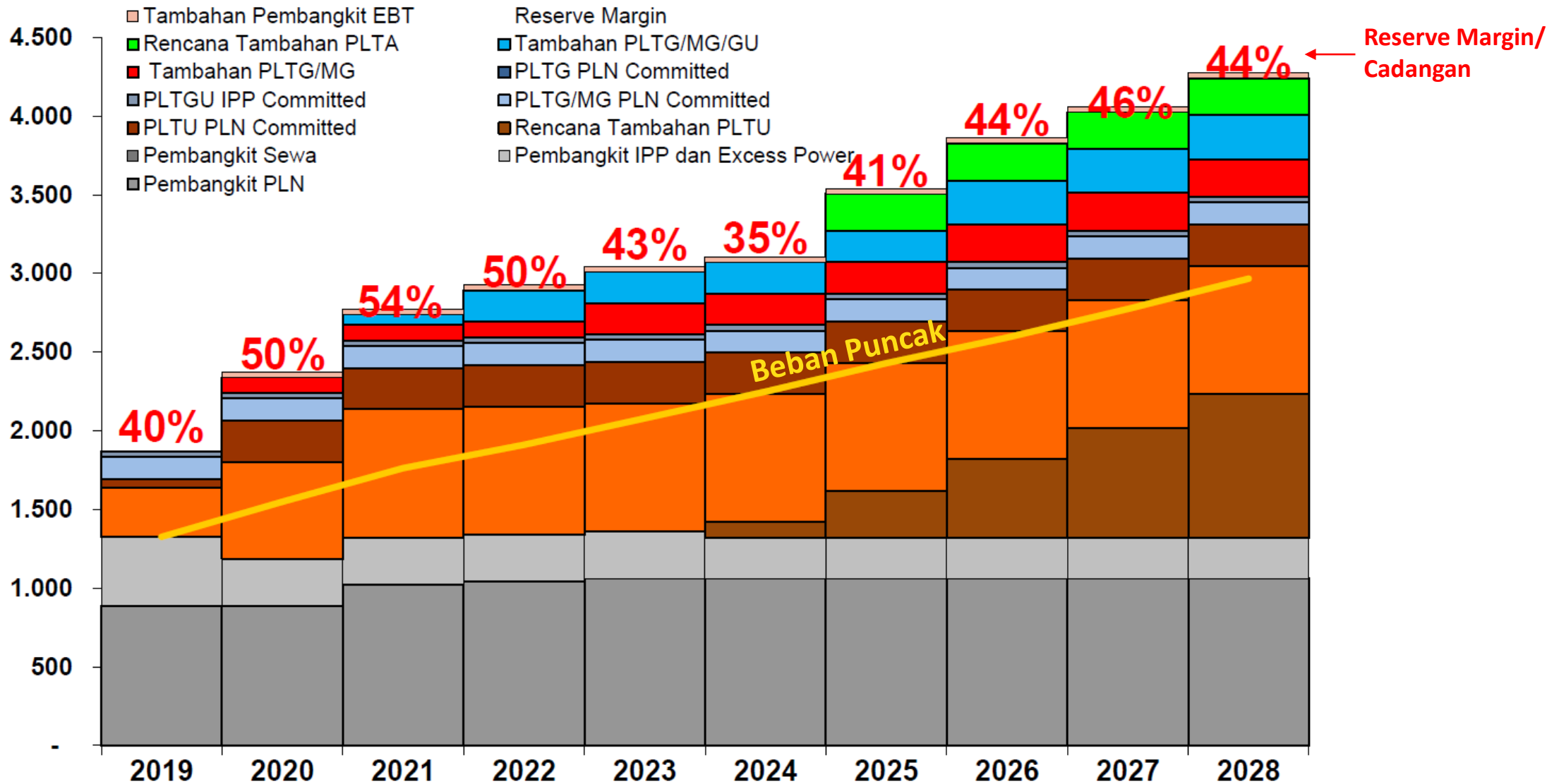
# NERACA DAYA SISTEM LOMBOK



Sumber: RUPTL PLN 2019-2028



# NERACA DAYA SISTEM KALSELTENGTIMRA

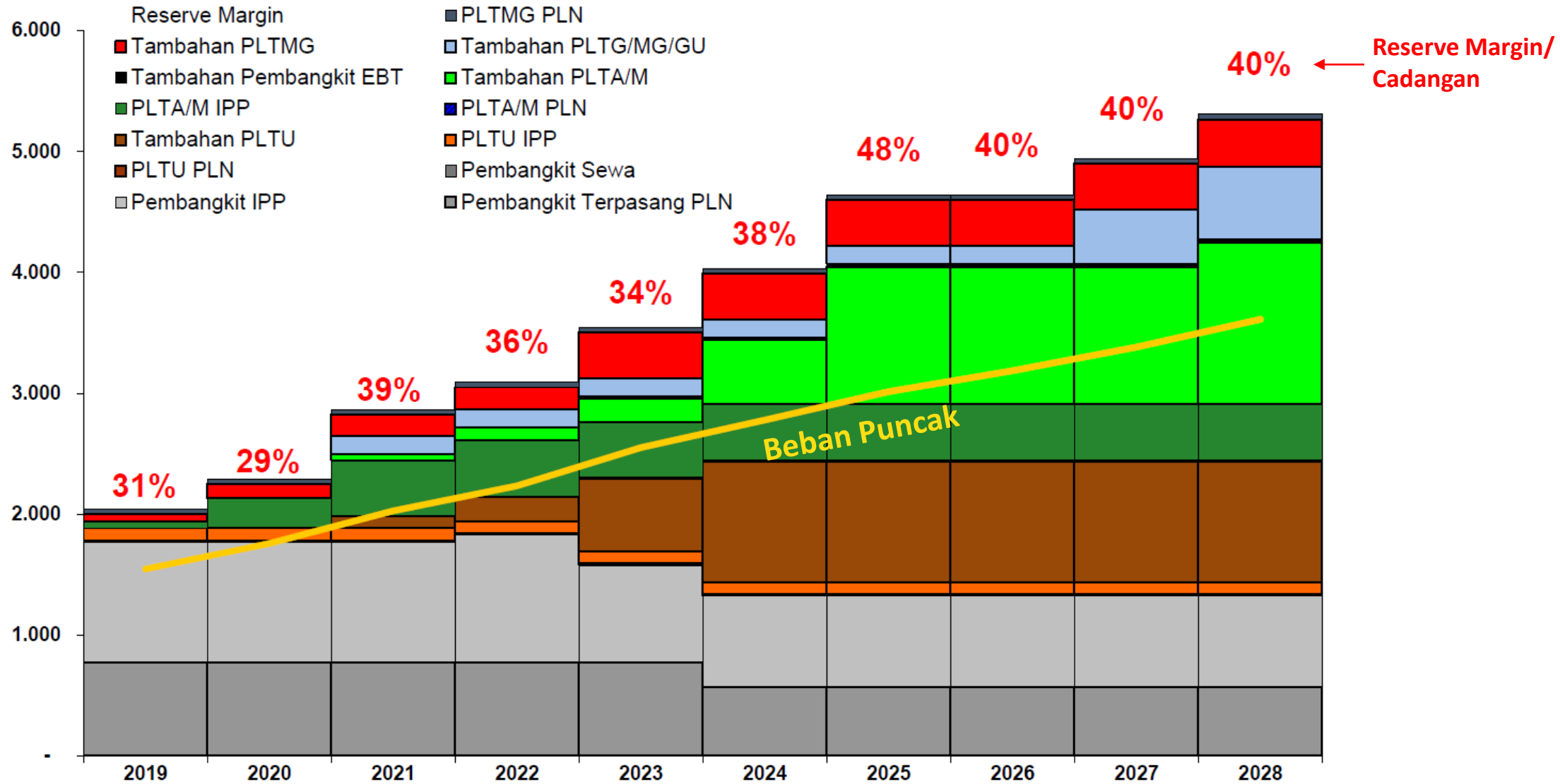


Sumber: RUPTL PLN 2019-2028





# NERACA DAYA SISTEM SULBAGSEL

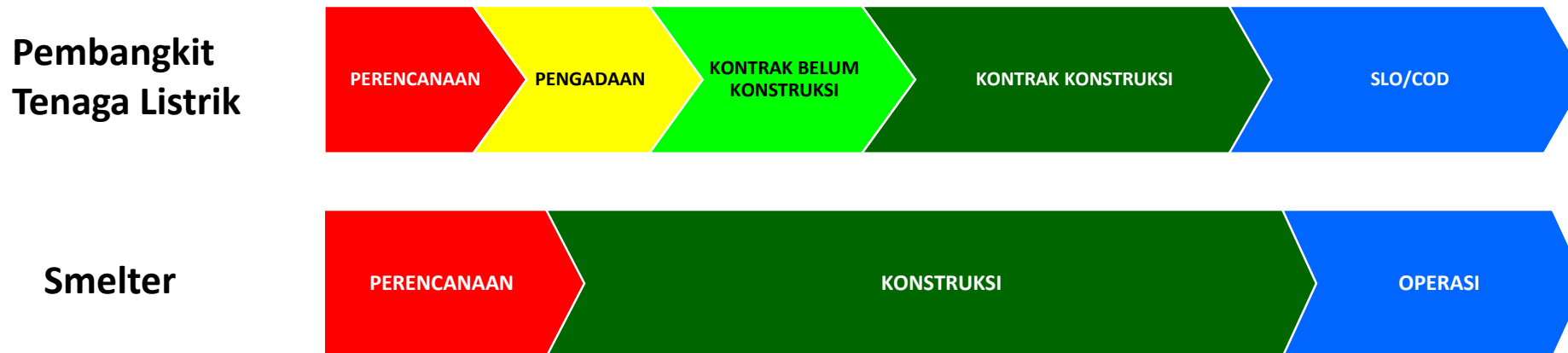


Sumber: RUPTL PLN 2019-2028



# TINDAK LANJUT

Perlu koordinasi dan sinkronisasi sejak tahap perencanaan sehingga tercipta keseimbangan antara pasokan tenaga listrik (*supply*) dan kebutuhan tenaga listrik untuk *smelter* (*demand*) pada setiap sistem tenaga listrik.



# ***TERIMA KASIH***

WWW.DJK.ESDM.GO.ID

