

# **Agenda**

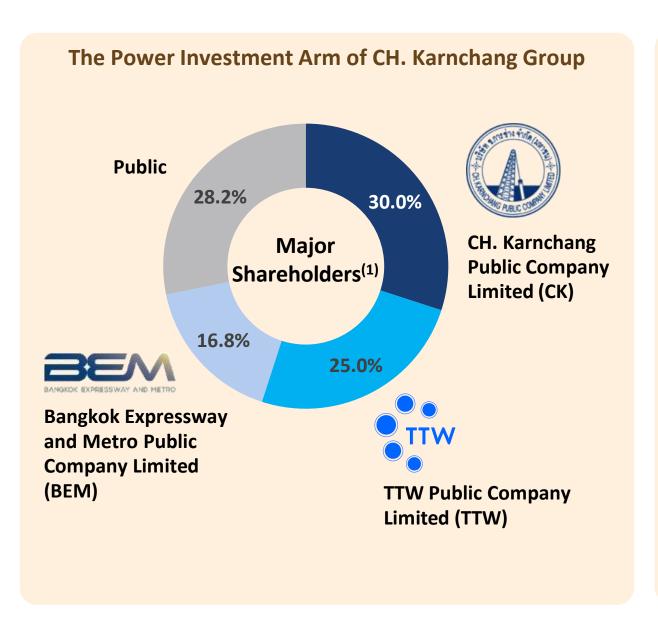




- 1. Corporate Overview and Long-term Growth
- 2. Key Developments from Q1 2023 to Date
- 3. 1H 2023 Financial Performance

# **Corporate Overview**







### **General Information**

Symbol : CKP

**Established Date** : 8 June 2011

**Listed Date**: 18 July 2013

**Paid-up Shares** : 8,129,382,729 shares

Par : Bt 1.00 per share

**Registered Capital** : Bt 8,129 mn

**Market Cap** : Bt 27,965 mn<sup>(2)</sup>

Indices : SET 100

SET THSI

SET CLMV

**Sector**: Energy

**TRIS Rating**: A / Stable

CG Score :

# **Portfolio Overview**



### Hydro



### 1. Nam Ngum 2



COD: Jan 2013 Concession: 25 years 46.0% Ownership: Capacity MW: 615 **Equity MW:** 283



### 2. Xayaburi

Associate



COD: Oct 2019 Concession: 31 years Ownership: 42.5% Capacity MW: 1,285 **Equity MW:** 482



### 3. Luang Prabang

Associate



SCOD: **Early 2030** Concession: 35 years 50.0% Ownership: Capacity MW: 1,460 **Equity MW:** 730

## Cogeneration



# 4. Bangpa-In Cogeneration



BIC1 BIC2 COD: Jun 2013 Jun 2017 **Periods:** 25 years 25 years 65.0% 65.0% Ownership: 118 120 **Capacity MW:** 78 **Equity MW:** 77

**Total Installed MW Capacity: 3,627 MW** 

**Total Equity MW Capacity: 1,733 MW** 

### Solar



## Bangkhenchai

Ownership: 100.0%



To	tal Capacity 15 MW	<u>Since</u>
5.	Bangkhenchai (8.00)	Aug 2012
6.	Phachi (0.89)	Feb 2019
7.	Banglen (0.97)	May 2019
8.	Phutthamonthon Sai 5 (0.97)	Jun 2019
9.	Mahachai (0.72)	Jun 2019
10	. Krathum Ban (0.51)	Jul 2019
11.	. Khlong Preng (2.67)	Sep 2020

### Nakhon Ratchasima Solar Associate

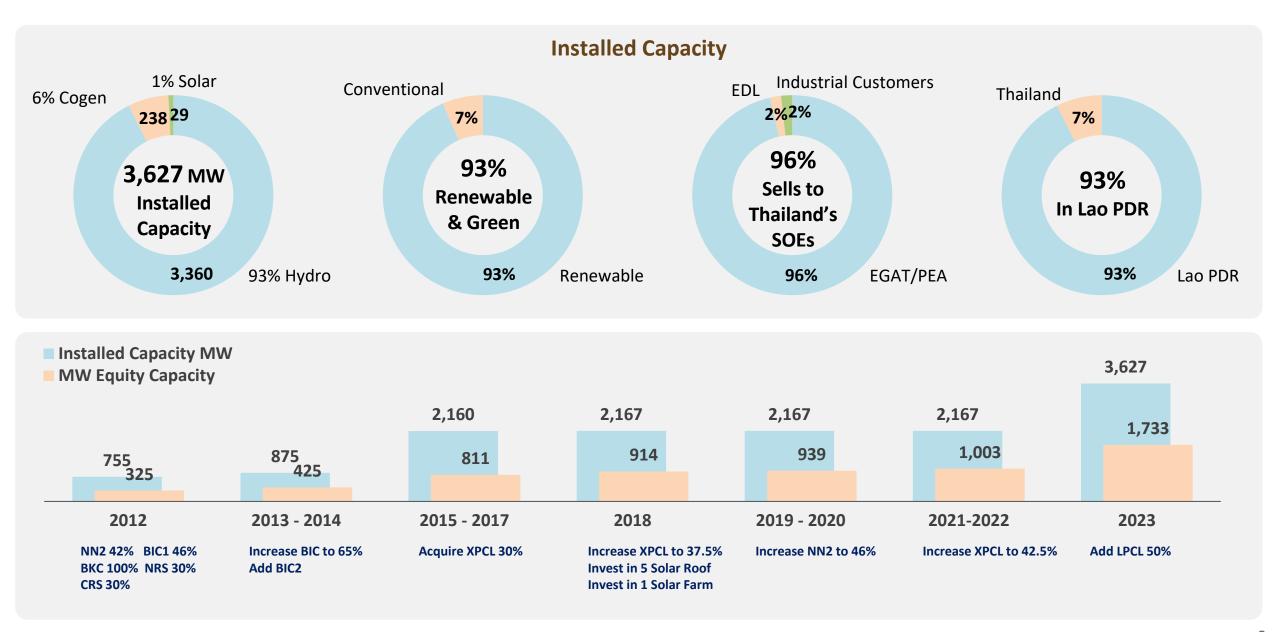
Associate

13. Chiangrai Solar

COD:	Mar 2012	COD:	Jan 2013
Ownership:	30.0%	Ownership:	30.0%
Capacity MW:	6	Capacity MW:	8
Equity MW:	2	Equity MW:	2
		• •	

# **Portfolio Overview**

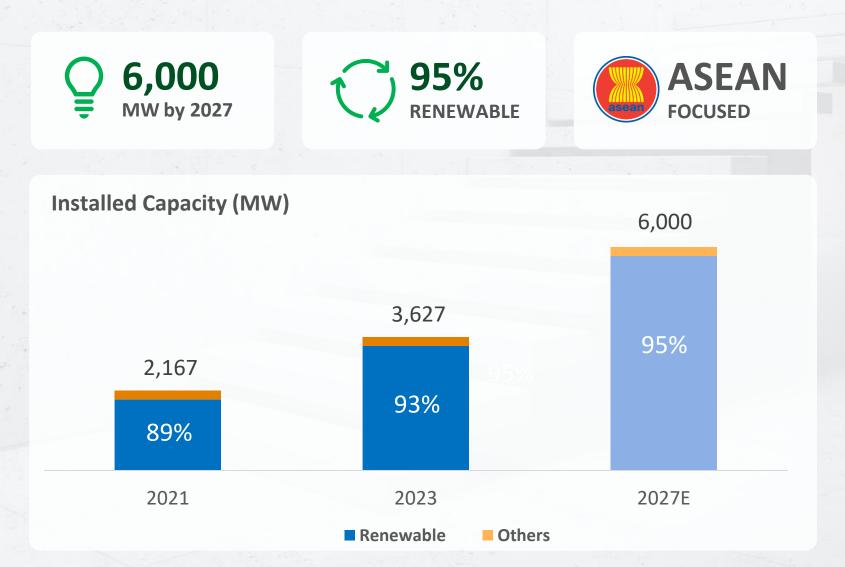




# **Long-term Growth**



TO BE ONE OF THE REGION'S LARGEST PRODUCERS OF ELECTRICITY FROM RENEWABLES WITH ONE OF THE LOWEST CARBON FOOTPRINTS

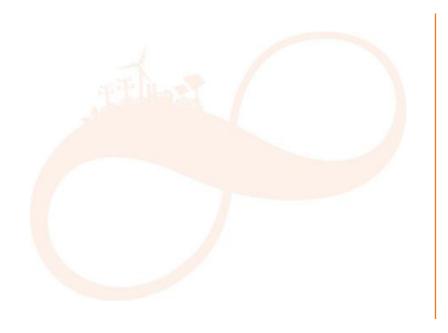






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# **Key Developments from Q1 2023 to Date**





# **Dividend Payment from 2022 Operating Results**

Dividend payment of Baht 0.085 per share, totaling of Baht 691.0 million, was approved in the 2023 Annual Ordinary General Meeting.



# LPCL Fulfilled Terms and Conditions under the Main Contracts

- Achieved the terms and conditions of Concession Agreement, Power Purchase Agreement, and Credit Facility Agreement as plan
- Expected COD in Early 2030



### **CKP Maintained Credit Ratings**

TRIS Rating affirmed CKP's company rating at "A/Stable" and debentures rating "A-/Stable".



### **NN2** Maintained Credit Ratings

TRIS Rating affirmed NN2's company rating and debentures rating "A/Stable".

# **Key Developments from Q1 2023 to Date**



### **LPCL Investment**



### **Luang Prabang Hydroelectric Power Project**

Installed Capacity: 1,460 MW

Type: Run-of-River

Concession Period: 35 years

SCOD: Early 2030

- CKP holds 50.0% in Luang Prabang Power Company Limited (LPCL)
  - Total equity investment of LPCL:
     Bt 41,868 mn
  - CKP's proportion of equity investment:
     Bt 20,934 mn

Total 20,934.0

LPCL Equity Injection 3,899.5

Remaining Equity Investment (2023-2029) 17,034.5

# **Awards and Recognition**



### **ESG100 List of 2023**



Included in the ESG100 list of 2023 by Thaipat Institution for the 2nd consecutive year.

### **The Asset ESG Corporate Awards 2022**



Received the ESG Corporate Awards 2022 – Platinum Level from The Asset.

### **Asia Responsible Enterprise Awards 2023**



Won Asia Responsible Enterprise Awards 2023 – Social Empowerment from AREA for the 2nd consecutive year.

# The European Global Sustainability & ESG Awards 2023





Received 2 awards from
The European Global Sustainability
& ESG Awards 2023:

- Best Leadership in the
   Sustainable Energy Industry:
   Mr. Thanawat Trivisvavet –
   Thailand
- Best Sustainable DevelopmentStrategy Energy Industry

# **Awards and Recognition**



# The Most Sustainable Hydro Power Company in Thailand Award



Received the Most Sustainable Hydro Power Company in Thailand Award from the Global Economics Magazine.

# The Best Green Bond Hydropower Plant Framework – Thailand Award



Received the Best Green Bond Hydropower Plant Framework – Thailand Award from the International Finance Magazine.

## **Carbon Champion Certificate**



Received the Carbon Champion Certificate

Standard Tier Level fromEnterprise Asia'sCarbon Champion Programme

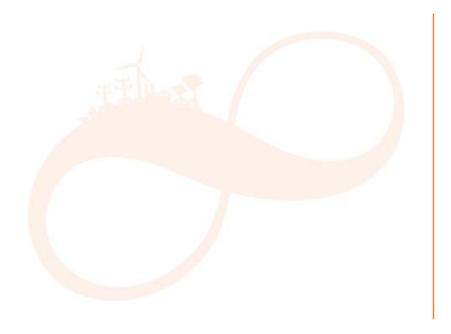
# **CSR-DIW for Beginner Award 2022**



Two solar power plants of BKC won CSR-DIW for Beginner Award 2022 by the Department of Industrial Works, Ministry of Industry

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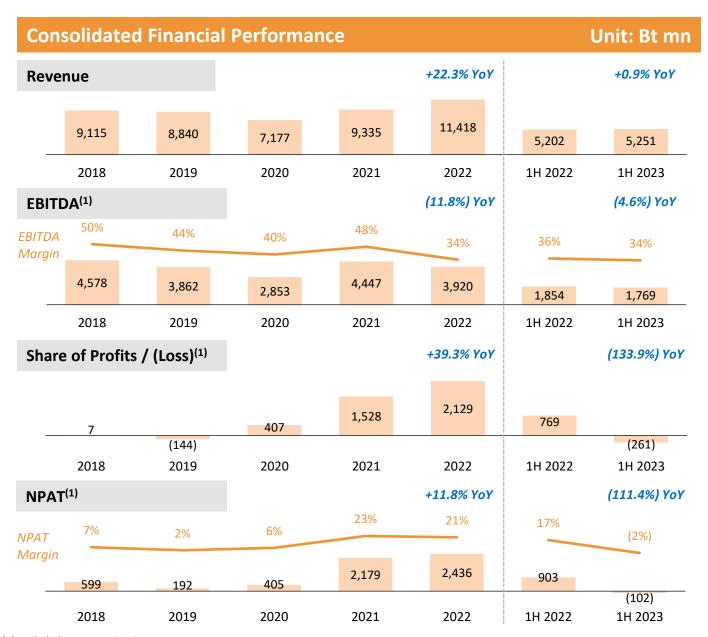


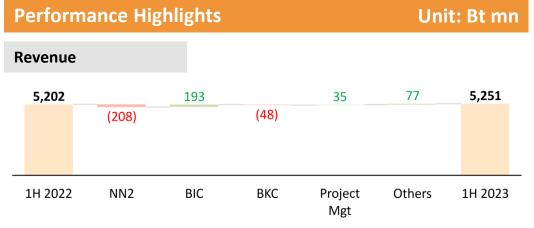


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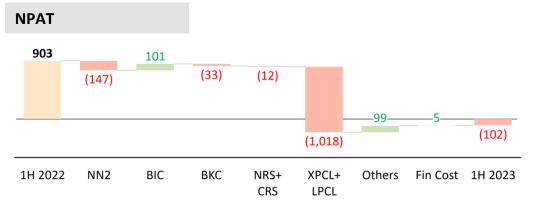
# **1H 2023 Consolidated Performance**







- Total Revenues increased YoY mainly from BIC's Revenue, driven by the rises of retail Ft rate and natural gas price, and CKP's other income related to LPHPP;
- Partially offset by lower NN2's Revenue from decline in electricity sales volume and lower BKC's Revenue from adder expiration.

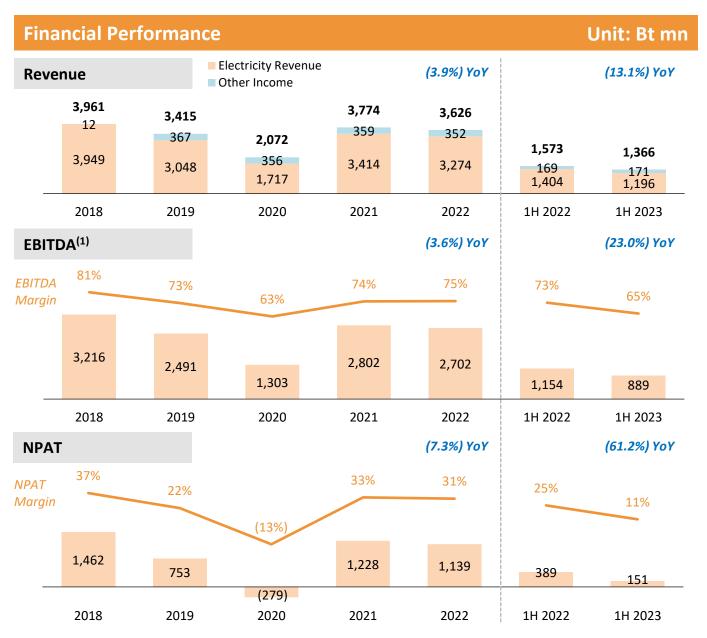


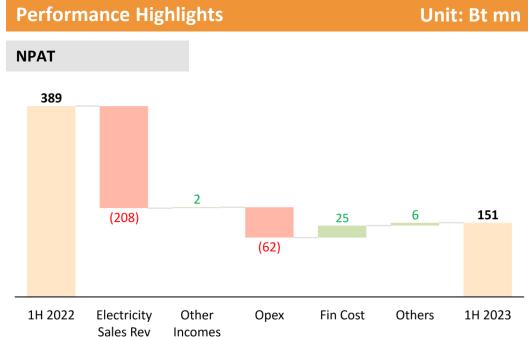
- NPAT declined YoY mainly driven by lower share of profit from XPCL;
- Partially offset by higher contribution from BIC, mainly driven by higher retail Ft rate.

# **NN2 1H 2023 Financial Performance**









- NPAT declined mainly due to lower electricity sales following relatively low beginning reservoir level and lower inflow, together with an increase in operating cost mainly from the planned Major Overhaul;
- Partially offset by lower Finance Cost from redemption of matured Debentures.

### **Key Activities in 2023**

- Major Overhaul during 2023-2025 (1 turbine per year)
- Close monitor of water inflow and declaration
- Debentures redemptions:
  - Bt 800 mn redeemed in March,
  - Bt 400 mn to be redeemed in September

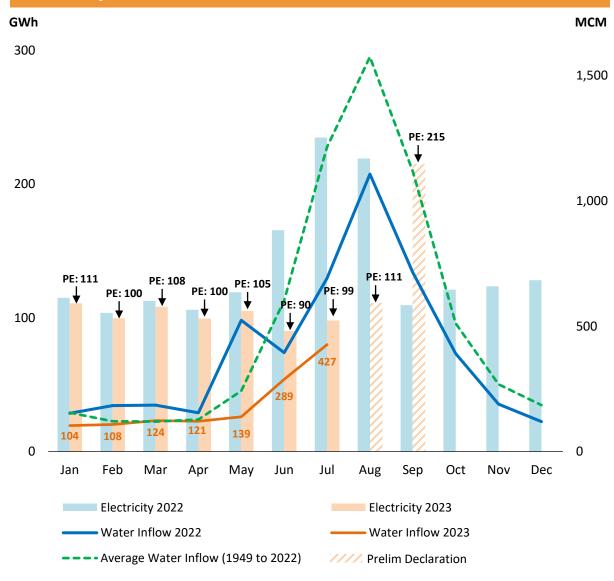
(1) Excluded FX Gain/(Loss)

# NN2 1H 2023 Operation





### **Electricity Sales Volume and Water Inflow**



### **Reservoir Level (End of Month)**

MASL



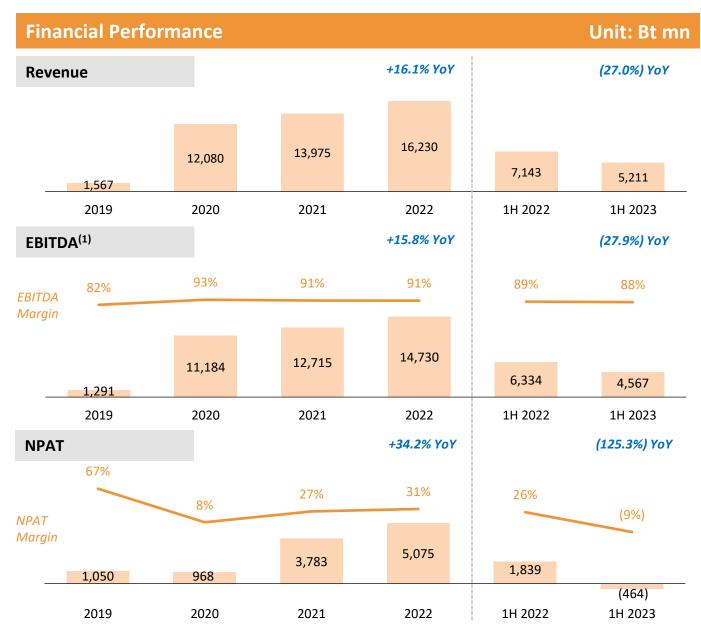
Electricity Sales Volume Unit: GWh								
2019 2020 2021 2022 1H 2022 1H 202								
Total (GWh)	1,685	920	1,845	1,659	722	614		
%YoY Change	(31.4%)	(45.4%)	+100.5%	(10.1%)	(21.4%)	(15.1%)		
Avg. Tariff (Bt/kWh)	1.81	1.87	1.85	1.97	1.94	1.95		

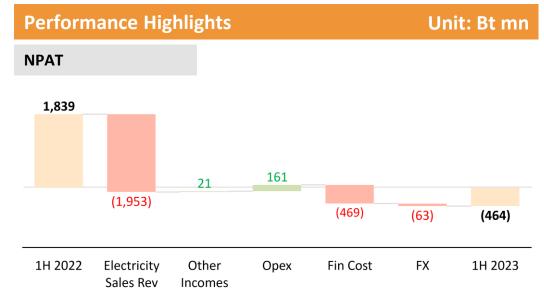
	PE Tariff		SE Tariff	EE Tariff
US\$	Bt	Total Bt equiv. (1)	Bt per	Bt per
per kWh	per kWh	per kWh	kWh	kWh
0.0267	1.041	1.948	1.353	1.145

# **XPCL 1H 2023 Financial Performance**









- 1H 2023 performance declined YoY, mainly driven by the YoY decline in electricity sales following lower water flow and the YoY increase in finance cost driven by rising global interest rate situation;
- Partially offset by lower Operating Expenses.

### **Key Activities in 2023**

- Continue to optimize electricity declaration and production
- Close monitor of interest rate trend with plan for debenture issuance in 2H to reduce overall finance cost

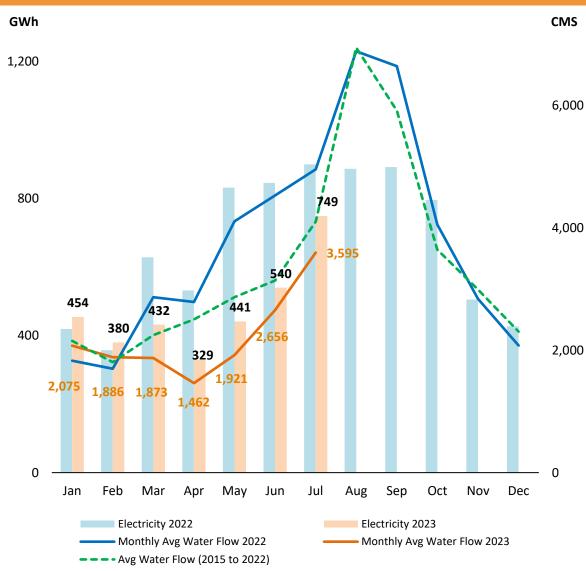


(1) Excluded FX Gain/(Loss)

# **XPCL 1H 2023 Operation**

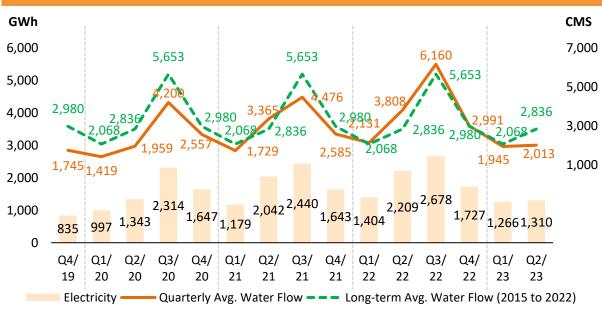


### **Monthly Electricity Sales Volume and Water Flow**



Note: XPCL Annual Supply Target: PE 4,299 GWh, SE 1,410 GWh
(1) Outstanding SE Excess Account was 105 GWh; (2) Long-term exchange rate assumption is 1 US\$ = 34 Baht

### **Quarterly Electricity Sales Volume and Water Flow**



# Electricity Sales Volume Unit: GWh

	2019	2020	2021	2022 <sup>(1)</sup>	1H 2022	1H 2023
Avg. Water Flow (CMS)	2,767	2,533	3,039	3,773	2,970	1,979
Grand Total	835	6,301	7,305	8,018	3,613	2,576
%YoY Change – Total		+655.0%	+15.9%	+9.8%	+12.2%	(28.7%)
Avg. Tariff (Bt/kWh)	1.88	1.91	1.91	2.01	1.95	1.99

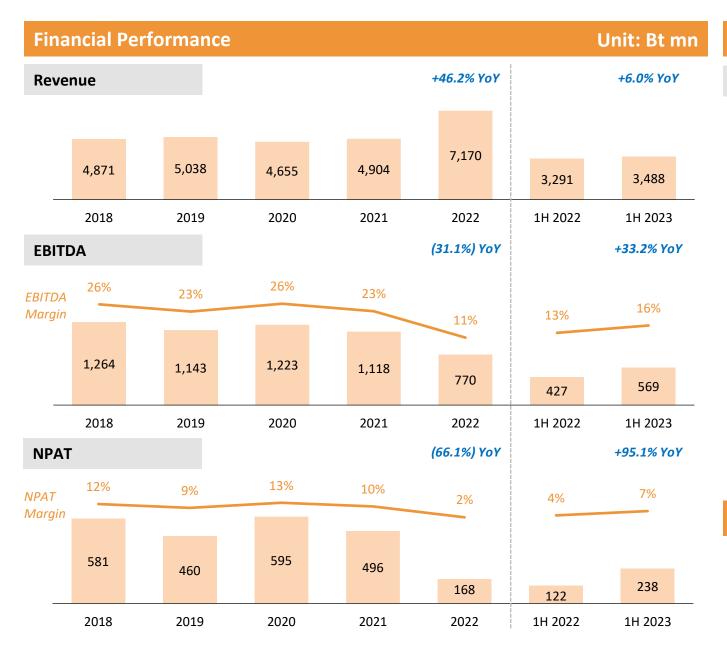
### Tariff Structure – EGAT

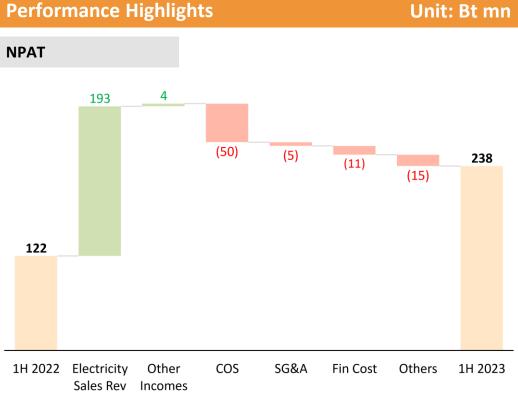
Year		PE Tariff	SE Tariff	EE Tariff	
	US\$/kWh	Bt/kWh	Total Bt eq. <sup>(2)</sup> /kWh	Bt/kWh	Bt/kWh
2019-2024	0.0374	1.271	2.5419	1.652	1.050
2025 Onward	0.0374	1.271	2.5419	1.652	1.398

# **BIC 1H 2023 Financial Performance**









■ 1H 2023 performance increased YoY, mainly driven by an increase in IUs electricity sales revenue due to improvement in retail Ft rate.

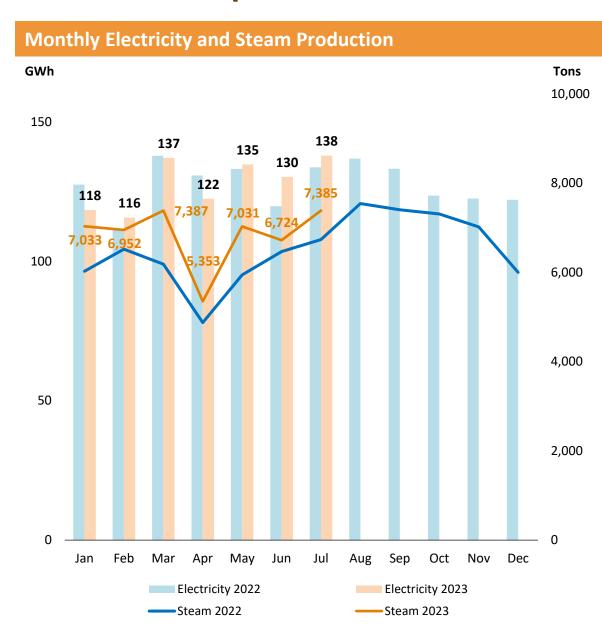
### **Key Activities in 2023**

- Close monitoring of gas price and cash flow management
- Load optimization and improvement in overall plant efficiency

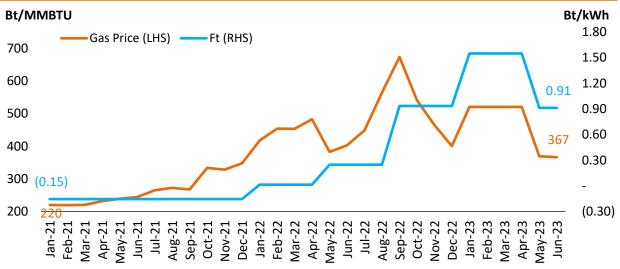
# **BIC 1H 2023 Operation**











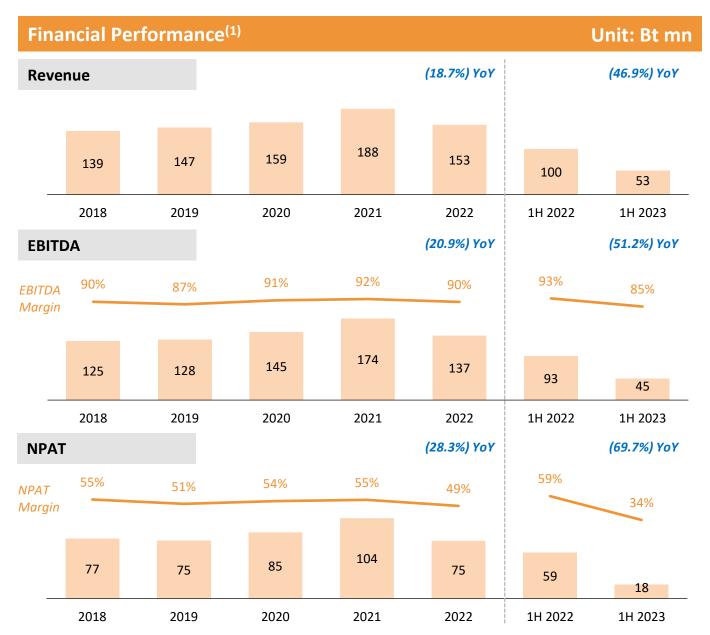
# Electricity and Steam Sale Volume Unit: GWh/Tons

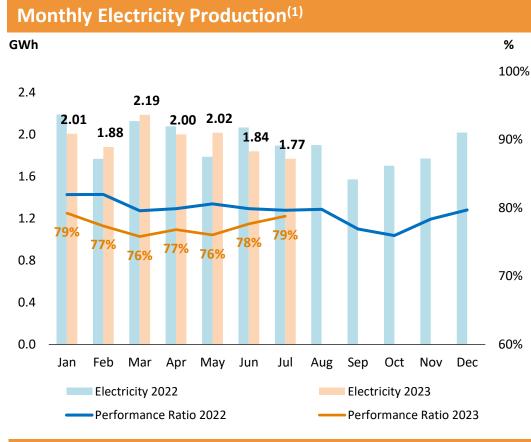
	2019	2020	2021	2022	1H 2022	1H 2023
EGAT	1,250	1,236	1,238	1,233	607	615
IUs	311	300	306	299	153	144
Total (GWh)	1,561	1,536	1,544	1,532	760	759
Steam (Tons)	87,486	74,026	73,395	78,036	36,020	40,480
Avg. Tariff (Bt/kWh)	3.18	3.00	3.14	4.62	4.27	4.53
Avg. Gas Price (Bt/MMBTU)	273	245	266	474	432	470
%YoY Chg. Electricity	+0.5%	(1.6%)	+0.5%	(0.8%)	+0.7%	(0.2%)
%YoY Chg. Steam	(7.4%)	(15.4%)	(0.9%)	+6.3%	(5.4%)	+12.4%
%YoY Chg. Gas Price	+5.8%	(10.4%)	+8.8%	+78.1%	+88.4%	+8.7%

# **BKC 1H 2023 Financial Performance**









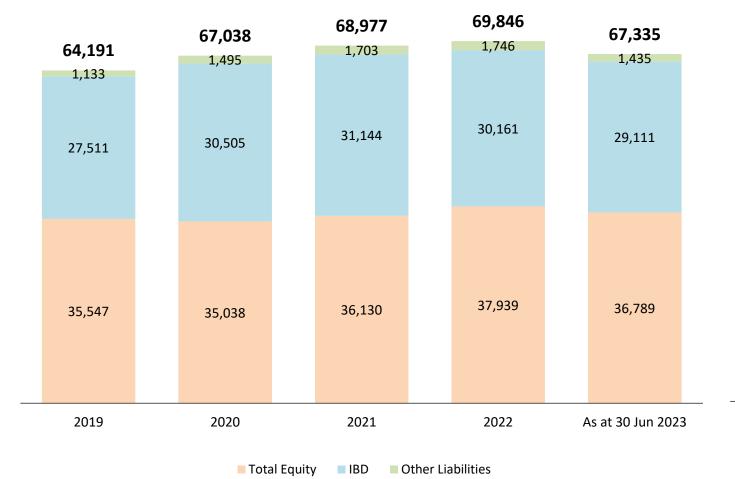
Electricity Sales Volume <sup>(1)</sup> Unit: GWh							
	2019	2020	2021	2022	1H 2022	1H 2023	
Electricity (GWh)	15.55	20.13	23.25	22.87	12.02	11.93	
%YoY Change	+26.7%	+29.5%	15.5%	(1.6%)	(1.0%)	(0.7%)	
Avg. Ft <sup>(2)</sup> (Bt/kWh)	(0.20)	(0.26)	(0.35)	0.25	(0.06)	1.10	

# **Consolidated Financial Position as at 30 June 2023**



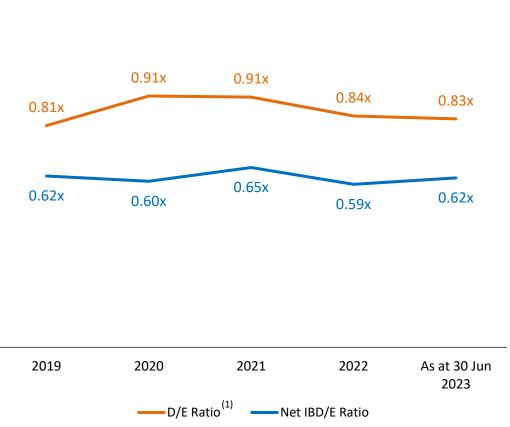
### Financial Position Unit: Bt mn

Total Assets decreased mainly due to additional sponsor loan to XPCL, the debentures redemption, the Company's dividend payment and the decline in investments in associates during 1H 2023.



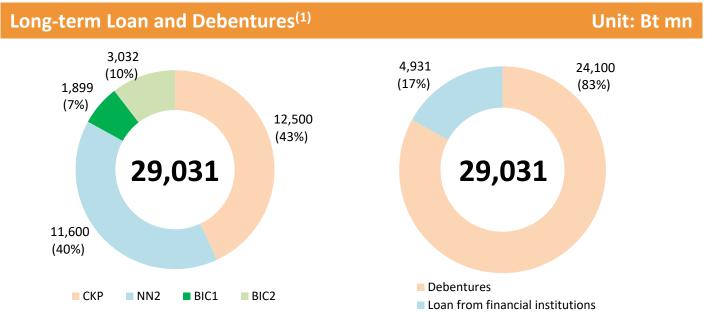
### **Leverage Ratios**

**CKP's Debentures Covenant:** Net IBD/E Ratio not exceeding 3.00x



# **Long-term Loan and Credit Ratings**





# Company Rating: A / Stable Company Rating: A - / Stable Company Rating: A / Stable Company Rating: A / Stable Issue Rating: A / Stable A / Stable Company Rating: A / Stable Issue Rating: A / Stable Stable Company Rating: A / Stable Rating: BBB+ / Stable

**TRIS Ratings** 

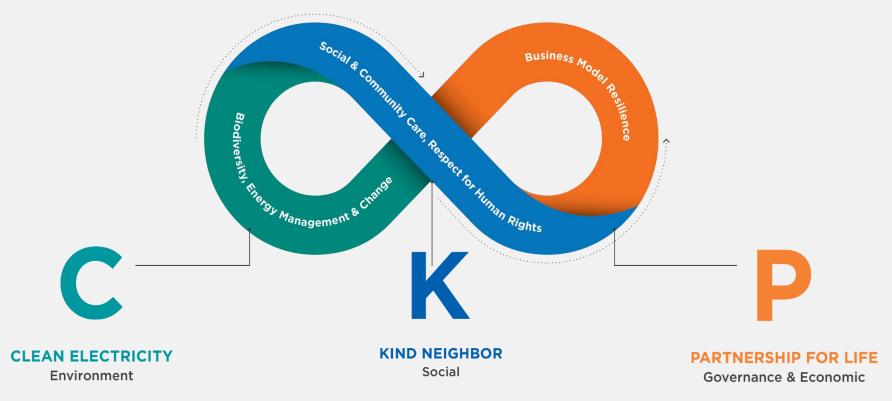
# 3.49% 3.23% 3.24% 3.42% 3.50% 2019 2020 2021 2022 As at 30 Jun 2023

### **Investment & Capex Plan Status** Bt mn New Investment Budget 2023 550 LPCL Equity Investment 2023 - 202917,000 4,000 3,000 2,000 1,000 2023 2024 2025 2026 2027 2028 2029



# **THANK YOU**

# RENEWABLE ENERGY FOR A SUSTAINABLE FUTURE



### **Investor Relations**



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