

# ELECTRICITY MARKET MODEL RESTRUCTURING DURING THE ENERGY CRISIS

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# Basic Statistics of Pakistan

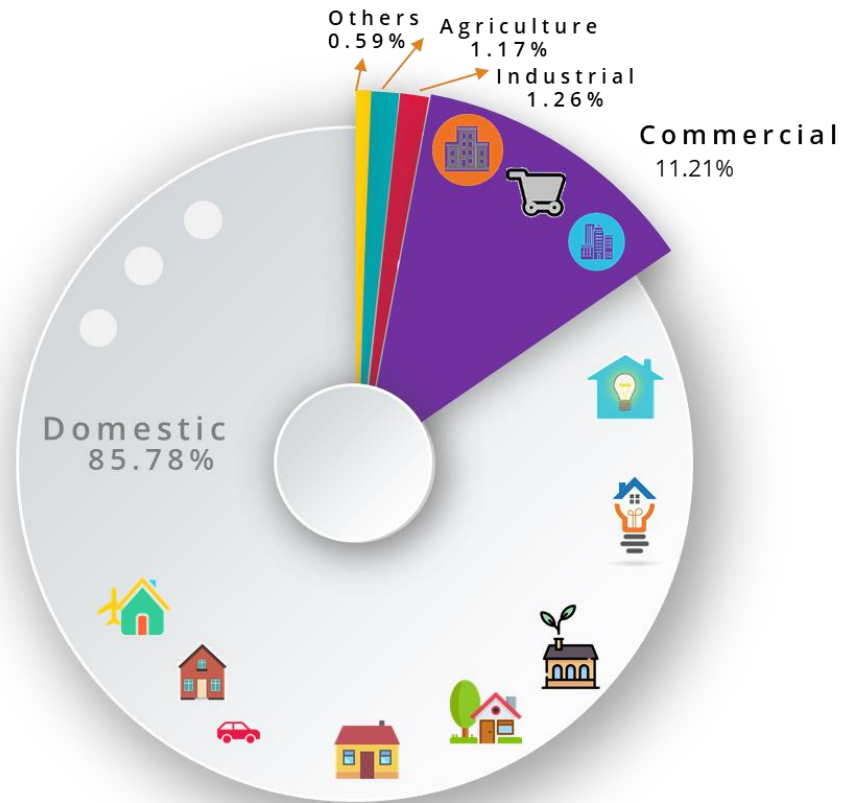
Description	Quantity
Consumers	36 million
Population est.	230 million
Area	796,096 sq. km
GDP 2021	\$ 346 billion
GDP per Capita 2021	\$1,542

Description	Amount in Million \$
Export FY 2022	39,424
Import FY 2022	84,130
Trade Deficit FY 2022	(44,706)
Current Account Deficit FY 2022	(17,318)

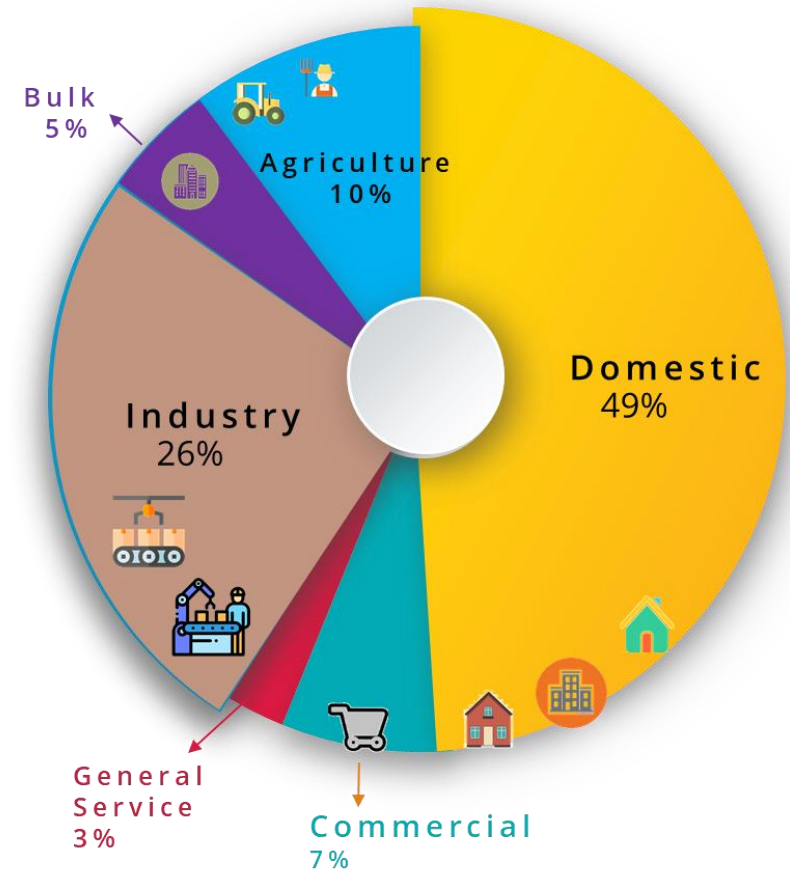


# Consumer Mix v/s Sales Mix

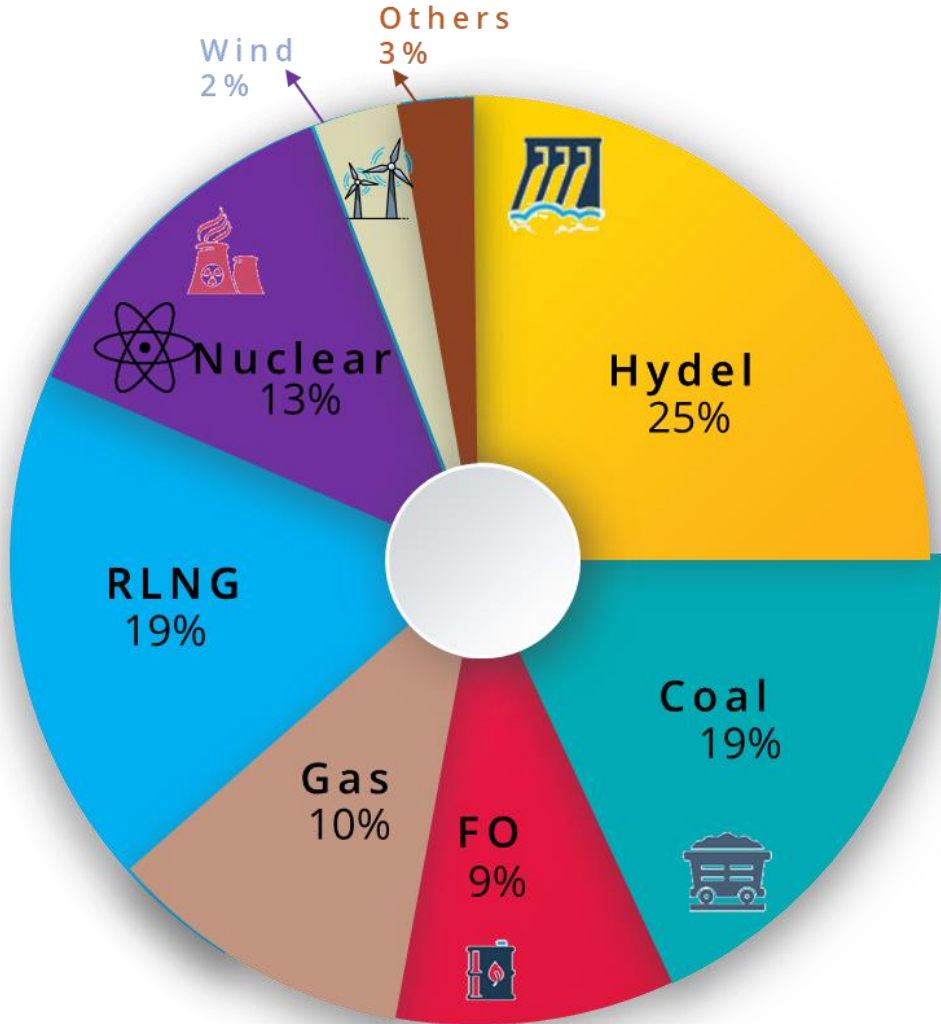
## Consumer Mix



## Sales Mix

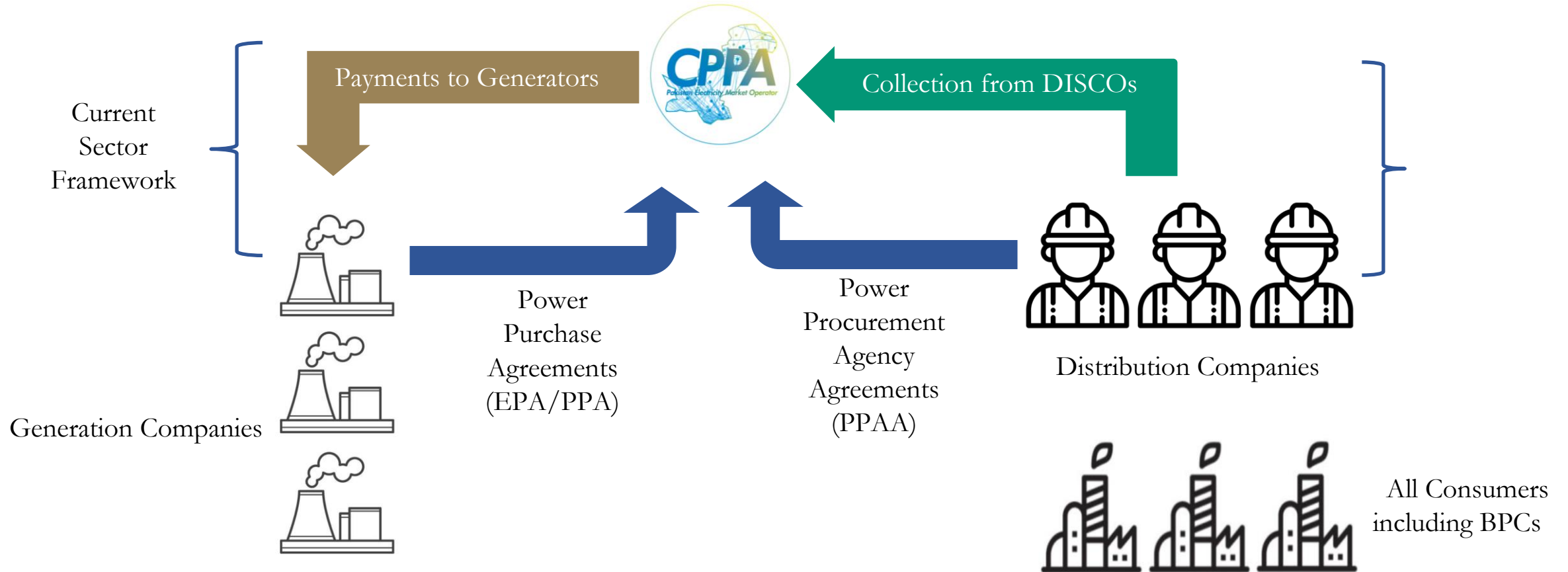


# Generation Mix



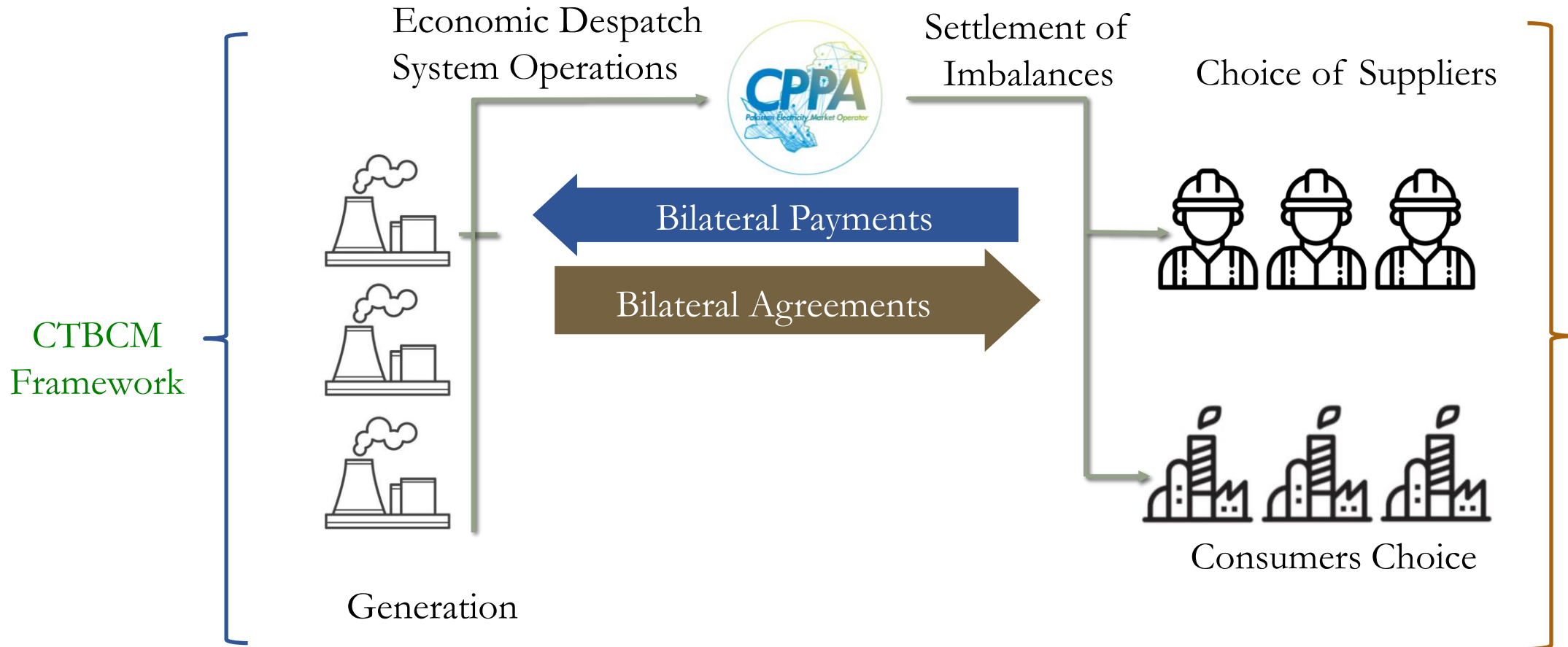
- More than 50% generation mix i.e (Nuclear, RLNG, RFO & partly Coal) is based on imported fuels.

# Existing Electricity Procurement Model



- More than 40,000MW is procured through Long Term PPAs.

# Introduction of Bilateral & Balancing Market



## Measures Taken to Mitigate Power Sector Crisis

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- ✓ **Coal procurement from Afghanistan in Pak Rupees**
- ✓ **Negotiated with 43 IPPs for freezing the Dollar indexation on fixed capacity payments at Rs.168/\$**
- ✓ **Negotiated with all public sector and few private sector generation companies for the Reduction in their allowed Dollar base returns**
- ✓ **Ongoing Negotiations for long term RLNG contract**
- ✓ **Introduction of planned Load Management program in loss making feeders**
- ✓ **Tax rebate for import of Solar systems**

## Measures Taken to Mitigate Power Sector Crisis

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- ✓ **Proposal to Introduce 6,000MW of Solar with an intention to replace expensive fuel cost component of RLNG & RFO plants.**
- ✓ **Expediting Local Coal mines development and under construction Local Coal based power projects**
- ✓ **Expediting construction of ongoing indigenous Hydel Projects**
- ✓ **Revising the settlement price for net exported units by Distributing Generation**
- ✓ **Focus on Optimization, Closure of inefficient public sector Generation plants**



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Q&A

The image features three-dimensional, blocky letters spelling "Q&A". The letter "Q" is a dark blue color, the ampersand "&" is a light blue color, and the letter "A" is a dark blue color. They are positioned on a white surface that reflects them, creating a subtle shadow. The background is plain white, and a thin horizontal line is visible near the top of the frame.