SECTOR BRIEF

Power Generation Sector in Pakistan

By ICMA Research and Publications Department

Historical Background

In **1947**, Pakistan inherited 60 MW of Power Generation (PG) capacity for a population of 31.5 million people.

In **1952**, the Government took control of KESC which was established in 1913 as a private limited company.

In **1958**, WAPDA was created and the PG capacity was expanded to 119 MW by 1959 and to 636 MW by 1963.

In **1960**, Pakistan Atomic Energy Commission (PAEC) was established to contribute to power generation.

In **1970**, the PG capacity rose to 1,331 MW which further expanded to 3,000 MW in 1980 and 7,000 MW in 1990/91.

By the early 1990s, peak electricity demand fell short, leading to approx. 1,500 MW to 2,000 MW of load shedding.

In **1994**, several Independent Power Producers (IPPs) were established that added 6,031 MW in generation capacity.

Installed Power Generation Capacity

According to the NEPRA State of Industry Report 2021, the Installed Power Generation Capacity of the country [including

CPPA-G and KE Systems] as on **30th June 2021** was 39,772 MW against 38,719 MW on 30th June 2020 - showing a net increase of 1,053 MW. Out of this total capacity, the share of public sector power plants was 20,820 MW whereas the share of private sector power plants [including KE] was 18,952 MW.

Shares of different sources in Power Generation [2021]



Current Status

As per the Pakistan Economic Survey 2021-22, the power generation capacity of the country increased by 11.5% and reached 41,557 MW in July-April 2021-22 as against 37,261 MW in the same period of last fiscal year. During the first 10 months [Jul-Apr] of FY2021-22, the share of different sources in energy generation stood as under:

Thermal	Hydro	Nuclear	Wind	Solar
power	power	power	power	energy
60.9%	23.7%	8.8%	4.8%	1.4%

SWOT Analysis of Power Generation Sector in Pakistan



72 ICMA's Chartered Management Accountant, May-Aug 2022