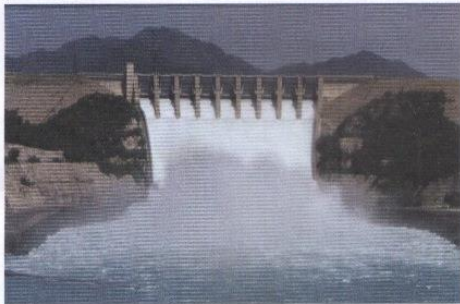


**50 YEARS OF TARBELA  
GOLDEN JUBILEE**



**First Day Of Issue**

**50<sup>TH</sup> ANNIVERSARY OF  
TARBELA DAM  
COMMEMORATIVE POSTAGE STAMP  
October 1<sup>st</sup>, 2024**

**SALIENT FEATURES**

Size of Stamp	: 81 x 40.5 m.m.
Size of Print	: 78 x 37.5 m.m.
Number of Stamps in a sheet	: (2 x 9) 18 Stamps
Perforation	: 13 C.
Denomination	: Rs. 50/-
Colours	: CMYK
Printing Technology	: Lithography (Offset)
Paper	: 100 GSM W/M Gummed Paper
Gum	: PVA
Quantity	: 0.2 Million (2 Lac)
Designer	: Liaqat Ali Khan
Printer	: National Security Printing Company, Karachi.



**50<sup>TH</sup> ANNIVERSARY OF  
TARBELA DAM  
COMMEMORATIVE POSTAGE STAMP  
October 1<sup>st</sup>, 2024**

Year 2024 marks a momentous occasion for development of water and hydropower resources in Pakistan, as the iconic Tarbela Dam turns 50 this year. After completion of the civil works of Tarbela Dam by WAPDA in third quarter of 1974, filling of water in the reservoir commenced 50 years ago.

Tarbela Dam stands as a symbol of national pride over the last five decades. Tarbela is the capstone of the Indus Basin Plan to ensure the continued and improved supply of water to millions of acres of irrigated land in Pakistan, mitigate floods and generate green, clean and most affordable hydroelectricity to move wheel of the national economy.

Tarbela Dam Project has been playing an instrumental role for economic development and social uplift in Pakistan during the last 50 years. The contribution Tarbela Dam Project has made towards progress in the country can be judged from the fact that it has released 406-million-acre feet (MAF) of stored water from the reservoir for agriculture and contributed 590,361 million units of low-cost and environment friendly hydel electricity to the National Grid. It is important to note that the economic and financial benefits of one MAF of water in Pakistan are estimated at US\$ 1,000 million (US\$ 1 billion). Therefore, total benefits accrued from Tarbela Dam during the last 50 years stand at US\$ 406 billion.

Tarbela Dam, the largest earth and rock-fill dam in the world at the time of its completion, is located across River Indus 64 Km north-west of Islamabad. The construction work on Tarbela Dam commenced in 1968, while all the civil

works completed in 1974. Development of powerhouses commenced in phases starting from 1974 onwards.

Tarbela Dam Project consists of a 9,000 feet (2,743 meters) long and 470 feet (143 meters) high embankment across the entire width of the river. It has two spillways with cumulative discharge capacity of 1,500,000 cusecs (42,476 cumecs). Two auxiliary embankment dams close the low-level ridges in the left bank valley. A group of 4 tunnels, each 0.8 Km long through the right abutment, were constructed for irrigation releases and power generation.

Tarbela reservoir which spans over an area of 259 square Km, had initially a live storage of 9.68 MAF. However, it has reduced to 5.77 MAF due to natural phenomenon of sedimentation during the last 50 years.

A power station on the right bank near the toe of main dam houses 17 power units at Tunnels 1, 2, 3 and 4. Tarbela is the biggest electricity generation facility in Pakistan with installed capacity of 4888 MW - 51.6 % of the total hydel capacity of WAPDA. The installed capacity at Tarbela will further increase to 6418 MW after completion of the under-construction Tarbela 5<sup>th</sup> Extension Hydropower Project.

Cost of Tarbela Dam Project including power units 1 to 14 amounts to US \$ 2,630 million. Cost of Tarbela 4<sup>th</sup> Extension Hydropower Project with power units 15 to 17 stands at US\$ 1,075 million, while that of under-construction Tarbela 5<sup>th</sup> Extension, with power units 18 to 20, is estimated at US \$ 807 million.

To mark 50 years completion of Tarbela Dam, the Commemorative Postage Stamp of Rs.50/-denomination is being issue by Pakistan Post on October 1<sup>st</sup>, 2024.

## **TERMS OF SALE**

This Commemorative Postage Stamp will be available for sale from 1<sup>st</sup> October, 2024 at all important Post Offices in the country.

Overseas orders for Stamps, First Day Issue Covers and Leaflets should be addressed to the Manager, Philatelic Bureau, Karachi GPO or Manager, National Philatelic Bureau, Islamabad GPO, accompanied by a Bank Draft or Crossed Cheque encashable in Pakistan.

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