

 Early Warning System

AIIB-0005

Pakistan: Tarbela 5 Hydropower Extension Project



## Quick Facts

<b>Countries</b>	Pakistan
<b>Financial Institutions</b>	Asian Infrastructure Investment Bank (AIIB), World Bank (WB)
<b>Status</b>	Approved
<b>Bank Risk Rating</b>	A
<b>Voting Date</b>	2016-09-27
<b>Borrower</b>	Islamic Republic of Pakistan
<b>Sectors</b>	Hydropower
<b>Investment Type(s)</b>	Loan
<b>Investment Amount (USD)</b>	\$ 300.00 million
<b>Project Cost (USD)</b>	\$ 823.50 million



## Project Description

This project will finance the installation of a power house at the fifth tunnel (Tunnel 5) of the Tarbela Dam, and construction of a transmission line to connect the power to the national grid. The World Bank is co-financing in the form of an Additional Financing for the existing WB-financed Tarbela Fourth Extension Hydropower Project. Built in the 1970s, the Tarbela Dam is one of the largest earth-fill dam constructions in the world.

This project will consist of:

- (1) the installation of a power house at the fifth tunnel (Tunnel 5) of the Tarbela Dam and
- (2) the construction of a transmission line to connect the power to the national grid. The project will add capacity of 2,820 megawatts with annual electricity generation of 4,800 gigawatt-hours.

The Tarbela Dam is located on the Indus River, upstream of the Ghazi Barotha Hydropower Project, which AIIB documents note “had issues related to resettlement and land acquisition.” The power generation element of the Project (construction of power house and modification of the existing Tunnel 5) will be implemented on the left bank of the Indus River, in an area concentrated around the inlet and outlet of Tunnel 5 of the Tarbela Dam. The proposed transmission line will be about 50 km long and will be connected to a new Islamabad West Grid Station.

The World Bank is the lead co-financier and as such, its environmental and social safeguard policies will apply to this project.

The project implementation period is January 2017 to March 2022.



### Early Warning System Project Analysis

#### APPLICABLE SOCIAL & ENVIRONMENTAL STANDARDS

At the time of disclosure, little information was provided by the AIIB on the applicable social and environmental standards and impacts for the project. The sole document made available by AIIB – the Project Summary – does not state which World Bank policies will be triggered by this project. The Early Warning System team has contacted the project team leader to request additional documentation.

Based on the available Project Summary, we believe at a minimum that the following World Bank environmental and social safeguards may be triggered:

- **Environmental Assessment OP/BP 4.01** - likely triggered. According to World Bank policies, Category A projects require a full environmental and social assessment, which will include public consultation and disclosure.
- **Involuntary Resettlement OP/BP 4.12** – likely triggered. Documents indicate that the Islamabad West Grid Station will require land acquisition of about 200 acres of land, which may impact 150 households.
- **Safety of Dams OP/BP 4.37**- likely triggered because the project involves construction works related to a large dam.

#### OUR RISK ASSESSMENT

Based on available project documents, this project may pose potential risks to the following human rights:

##### · RIGHT TO ADEQUATE HOUSING

The project poses impacts on the right to adequate housing. According to AIIB Project Summary, the Islamabad West Grid Station will impact 150 households. The social impacts largely include loss of agricultural land with associated loss of income and livelihoods. To be revised, but was not made available on the AIIB website. In addition, the transmission line, which will span over 52km and will impact 150 households. These impacts were not detailed in AIIB project documents at the time of writing. Finally, the project may involve legacy issues from the Project (1990s), which had issues related to resettlement and land acquisition. In addition, there are social legacy issues related to the [World Bank]-funded Tarbela Dam project in the 1970s, which are being addressed under [Tarbela Fourth Hydropower Project] ; the Project Summary, a Resettlement Commission, which was used previously to address resettlement and land acquisition for the Ghazi Barotha hydropower project, “will be reconstituted and financed under the [World Bank’s] Additional Financing to continue the project.”

##### · RIGHT TO LIVELIHOODS

This project poses impacts on the right to livelihood. As noted above, according to the AIIB Project Summary, the Islamabad Grid Station will impact 150 households in loss of agricultural land and loss of income and livelihoods. In addition, the AIIB Project Summary notes that the transmission line acquisition, though details of the impacts was not available at the time of writing. Socio-economic surveys were carried out to areas where transmission towers may be erected. The Project Summary states that “80 percent of the people who own the towers include disturbance to crops at the time of construction, and clearing of vegetation under the alignment.”

##### · RIGHT TO FOOD

As noted above, the project will have impacts such as loss of agricultural land. Moreover, in relation to the construction of the transmission tower locations are farmers and construction may result in a disturbance to crops. To the extent that affected communities also have the right to food may be impacted by the project.

##### · LABOR RIGHTS

The AIIB Project Summary states that “[h]ealth hazards to labor will be managed through comprehensive training and provision of protective equipment required during the construction phase will be carefully built, or existing sites will be upgraded, to ensure that living conditions



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## Investment Description

- Asian Infrastructure Investment Bank (AIIB)
- World Bank (WB)

Terms of AIIB loan: A sovereign backed loan of US\$300 million with a maturity of 20 years including a grace period of 6 years at the Bank's standard interest rate for sovereign guaranteed loans. Repayment is on a non-level basis with a corresponding weighted average maturity of 14.9 years. The fixed rate is therefore determined as six month LIBOR plus 1.15%.

World Bank Co-financing: World Bank Sovereign Backed Loan of US\$390 million with a maturity of 20 years. Including a grace period of 6 years. The interest rate spread will be LIBOR with the WB variable spread.



## Contact Information

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Contact: Mr. Tariq Bajwa  
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## Implementing Agencies Name: Water and Power Development Authority (WAPDA)

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## ACCOUNTABILITY MECHANISM OF AIIB

The AIIB has established the Accountability Mechanism for Project-Affected People (PPM). The PPM provides “an opportunity for an independent and impartial review of submissions from Project-affected people who believe they have been or are likely to be adversely affected by AIIB’s failure to implement the ESP in situations when their concerns cannot be addressed satisfactorily through Project level GRMs or AIIB Management processes.” Two or more project-affected people can file a complaint. Under the current AIIB policy, when the bank co-finances a project with another development bank, it may apply the other bank's standards. You can refer to the Project Summary Information document to find out which standards apply. You can learn more about the PPM and how to file a complaint at: <https://www.aiib.org/en/about-aiib/who-we-are/project-affected-peoples-mechanism/how-we-assist-you/index.html>.

The complaint submission form can be accessed in Arabic, Bahasa Indonesia, Bengali, Chinese, English, Tagalog, Hindi, Nepali, Russian, Turkish, or Urdu. The submission form can be found at: <https://www.aiib.org/en/about-aiib/who-we-are/project-affected-peoples-mechanism/submission/index.html>.



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## Bank Documents

- [Project Document](#)
- [Project Implementation Monitoring Report \(26 Nov 2018\)](#)
- [Project Summary](#)



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### Other Related Projects

- WB-P157372 Additional Financing to PK: Tarbela 4th Extension Hydropower Project
- WB-P115893 Tarbela Fourth Extension Hydropower Project