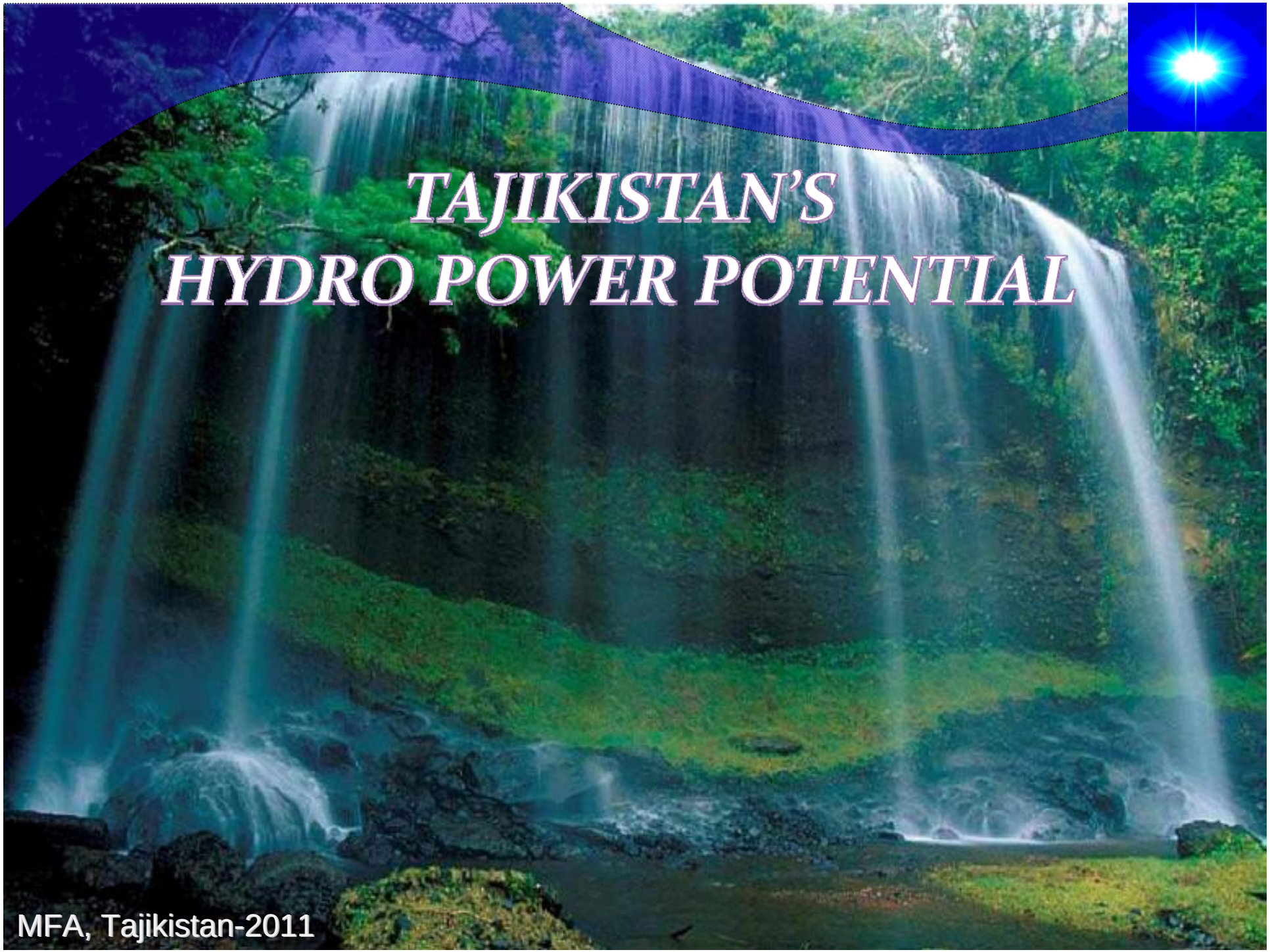

TAJIKISTAN'S
HYDRO POWER POTENTIAL
MFA, Tajikistan-2011

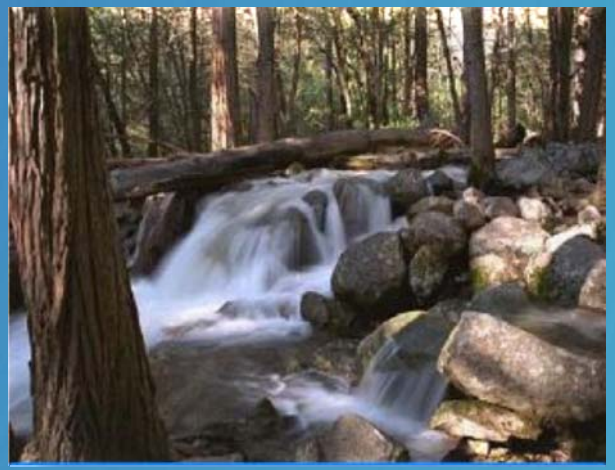
I. WATER RESOURCES

Leading position in water formation in Amu-Darya and Syr-Darya Basins

in average 64km³ per year

Tajikistan	-	**55.4%**
Kyrgyzstan	-	25,3%
Afghanistan and Iran	-	7.8%
Uzbekistan	-	7.6%
Kazakhstan	-	3.95%

II. HYDROPOWER RESOURSES



Unique Hydro Energy Resources

- Second Among CIS Countries

- Eights in the World

  4% of World's resources that is equal to 527 billion kWh in one year

This is 3 times more than present annual consumption of energy in Central Asia.

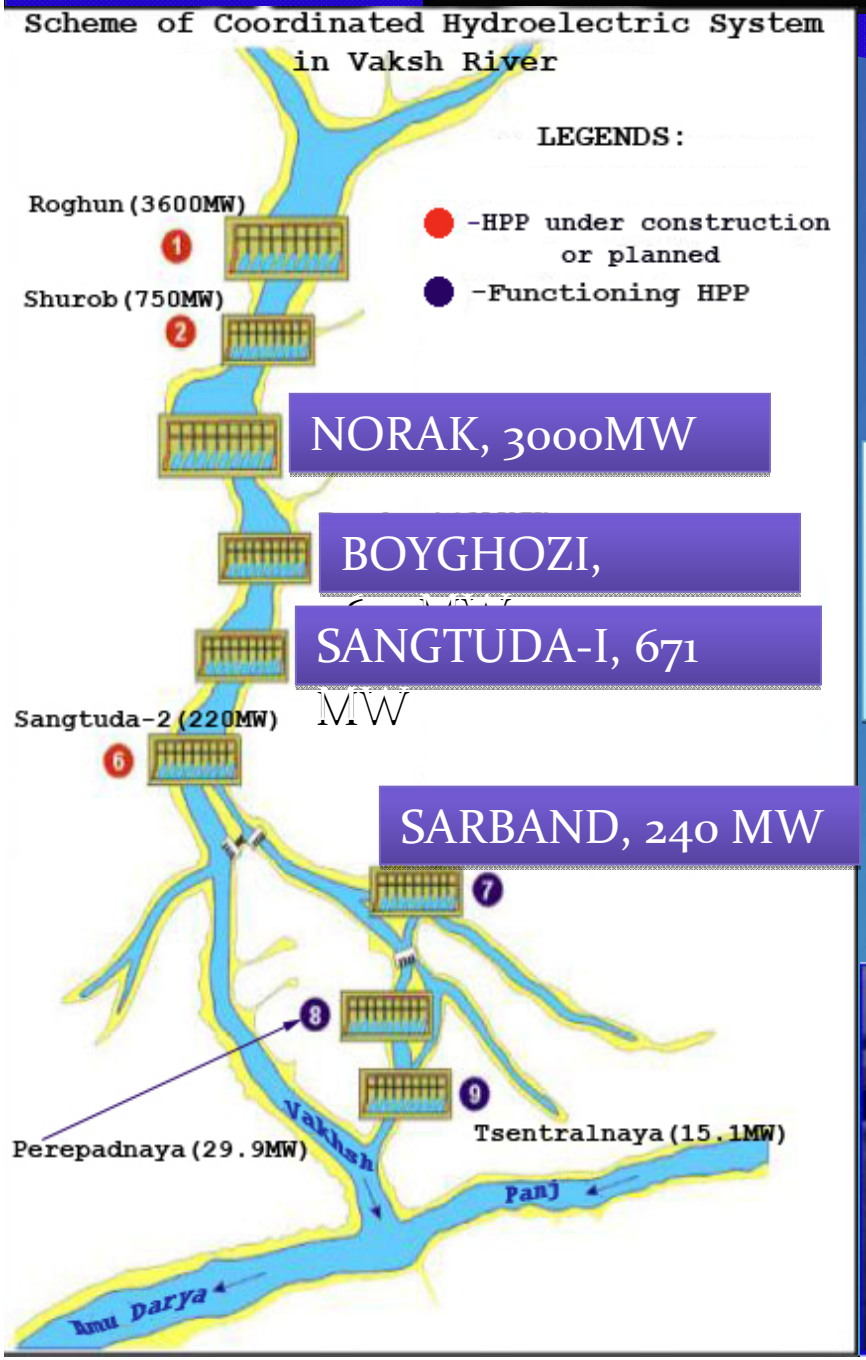
III. CURRENTLY INSTALLED CAPACITIES

Currently installed capacity of hydro power plants (HPP) is 4741 thousand kW;

Main Hydro Power Plants:

Name	Installed Capacity in thousand kW	Energy generation in Mln. kWh annually
Norak	3000	11200
Boyghozi	600	3500
Sangtuda-1	671	2700
Sarband	210	1300

CURRENTLY INSTALLED CAPACITIES

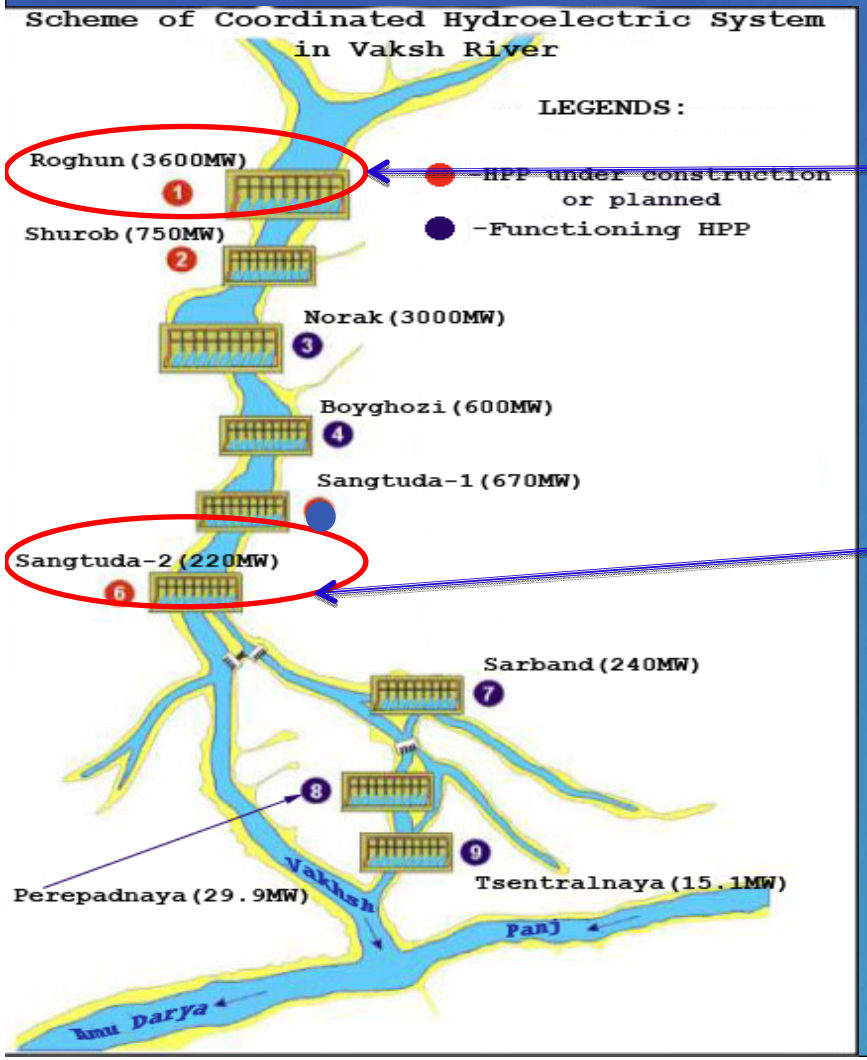


All four abovementioned HPP are on Vakhsh River.

There is also Qayroqum HPP in the northern part of country on river Syr Darya with installed capacity of 126 MW

IV. FUTURE PLANS/PROJECTS

A) CONSTRUCTION OF NEW HPP



HPPs UNDER CONSTRUCTION:

1. ROGHUN

2. SANGTUDA-2

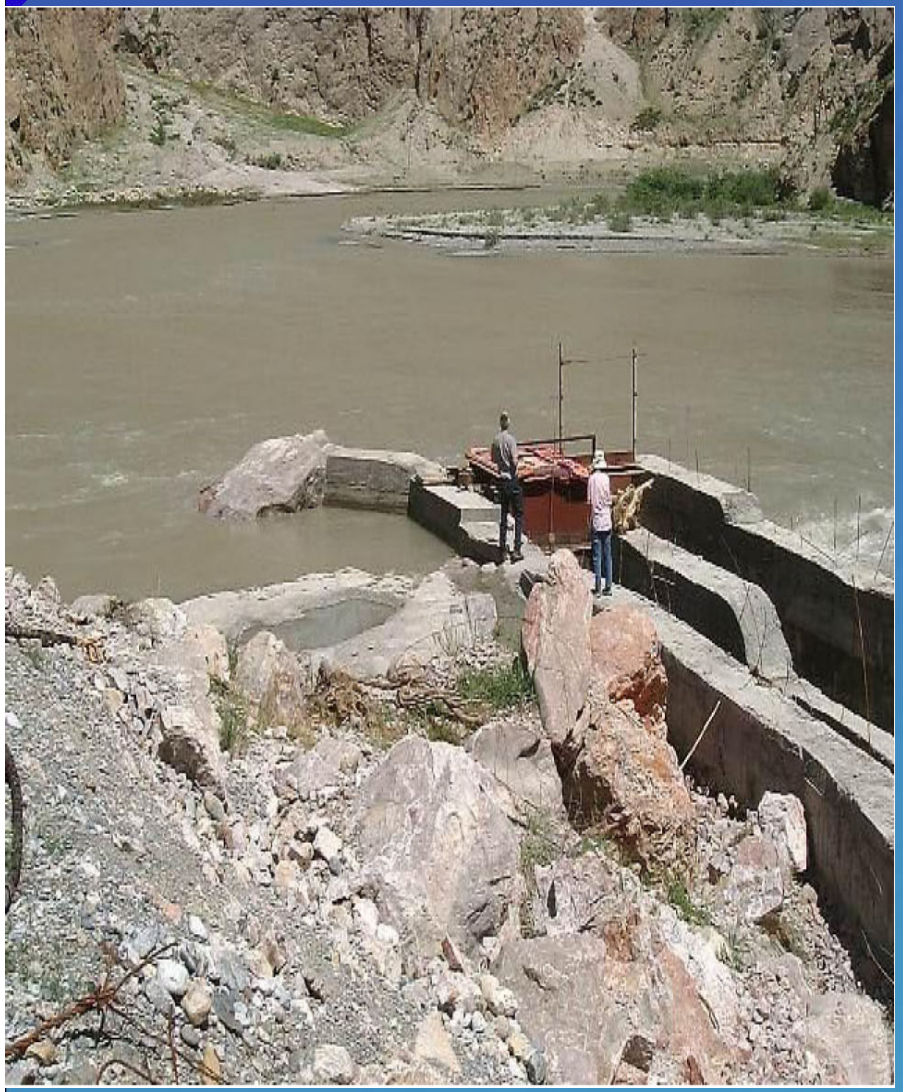
IV. FUTURE PLANS/PROJECTS, CONTINUE

ROGHUN HPP

- THE BIGGEST HYDRO POWER PLANT IN CENTRAL ASIA WITH DAM HEIGHT OF 335M.
- CONSTRUCTION STARTED IN 1976.
- THE ESTIMATED CAPACITY OF ITS 6 GENERATORS IS 3600 MW, OR 13.1 BLN. KWH ANNUALLY.

IV. FUTURE PLANS/PROJECTS, CONTINUE

SANGTUDA-2 HPP

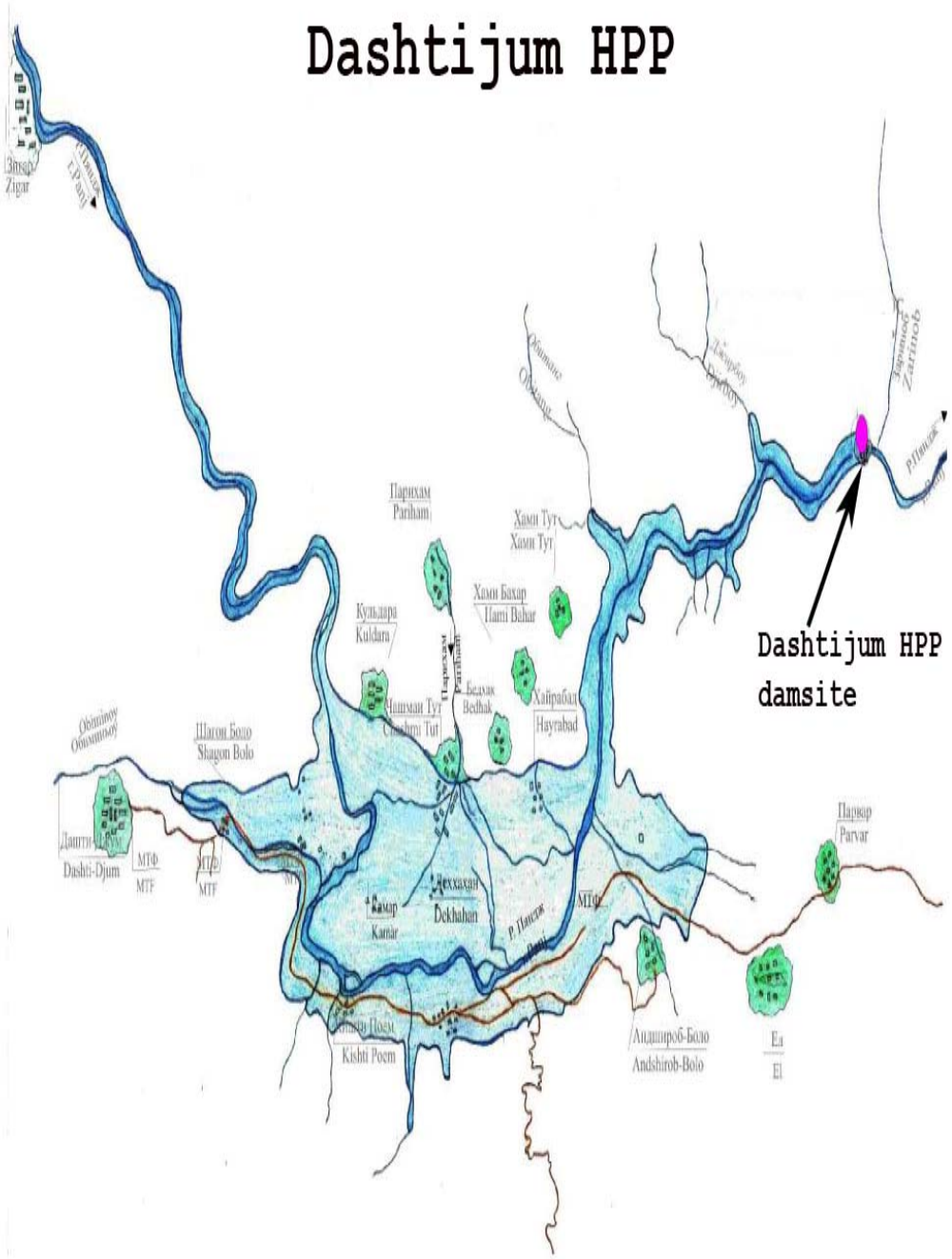


- CONSTRUCTION STARTED IN 2006.

- THE ESTIMATED CAPACITY OF ITS 4 GENERATORS IS 220 MW, OR 0.9 BLN. KWH ANNUALLY.

- THE PROJECT IS FULLY FINANCED AND IS BEING IMPLEMENTED BY I.R.IRAN ACCORDING TO THE MOU SINGED BETWEEN THE GOVERNMENTS OF TAJIKISTAN AND IRAN.

IV. FUTURE PLANS/PROJECTS, CONTINUE



Among others, Dashtijum HPP is the most attractive with its capacity of 4000 MW, and 17.6 km^3 water basin.

IV. FUTURE PLANS/PROJECTS, CONTINUE

Preliminary Economic And Technical Characteristics of Dashtijum HPP:

Cost of the project, bln. USD		3.2
Dam's height, m.		320
Reservoir 's capacity, mln. m^3:	total	17.6
	needed	10.2
Length of reservoir, km		70
Projected capacity of the plant, MW		4000
Annual energy generation, kWh		15.6 bln.
Cost of investment per 1 kW		USD 800

Prospective energy generation potential by rivers

4. Other rivers

Kofarnihon River : 5 stations, with general capacity of 411 MW;

Varzob River: 3 stations, with general capacity 100 MW;

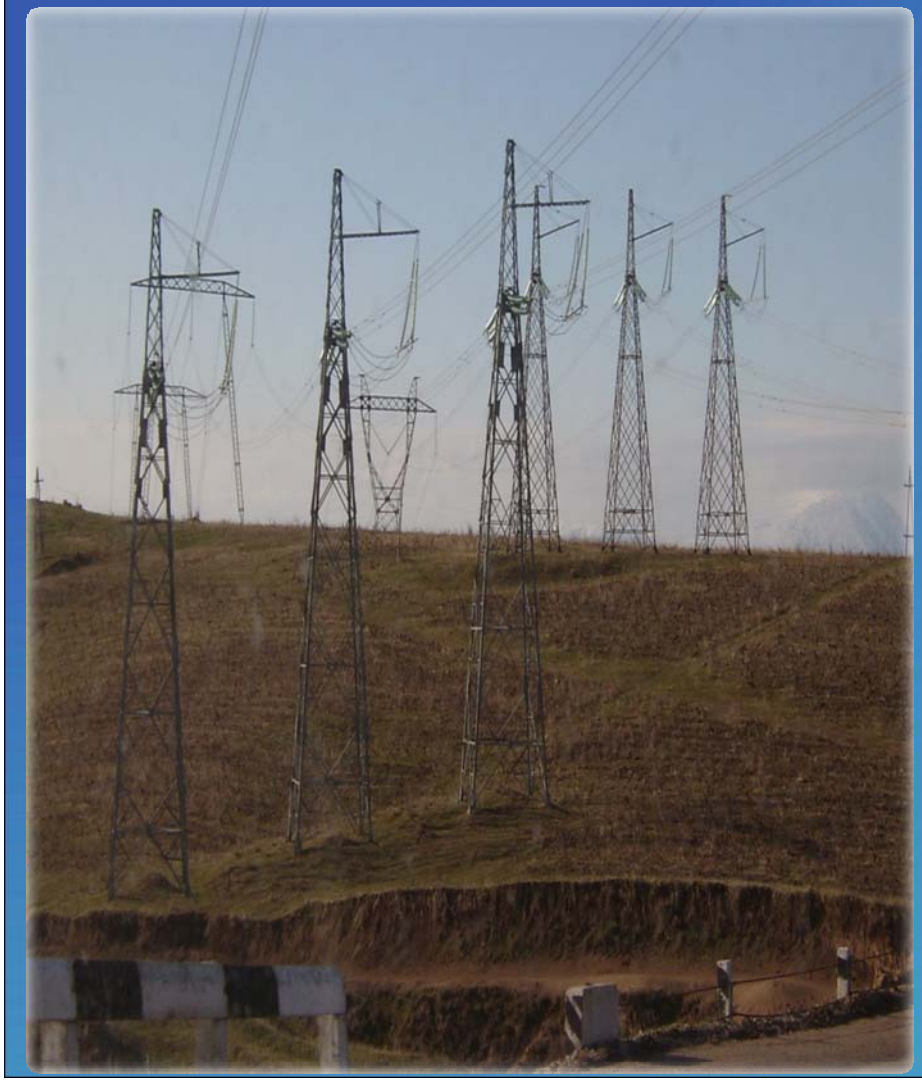
Zarafshon River : 6 stations, with general capacity of 640 MW;

Fon Daryo River : 4 stations, with general capacity of 510MW;

Mascho District's rivers (Upstream of Zarafshon): 5 stations, with general capacity of 500 MW;

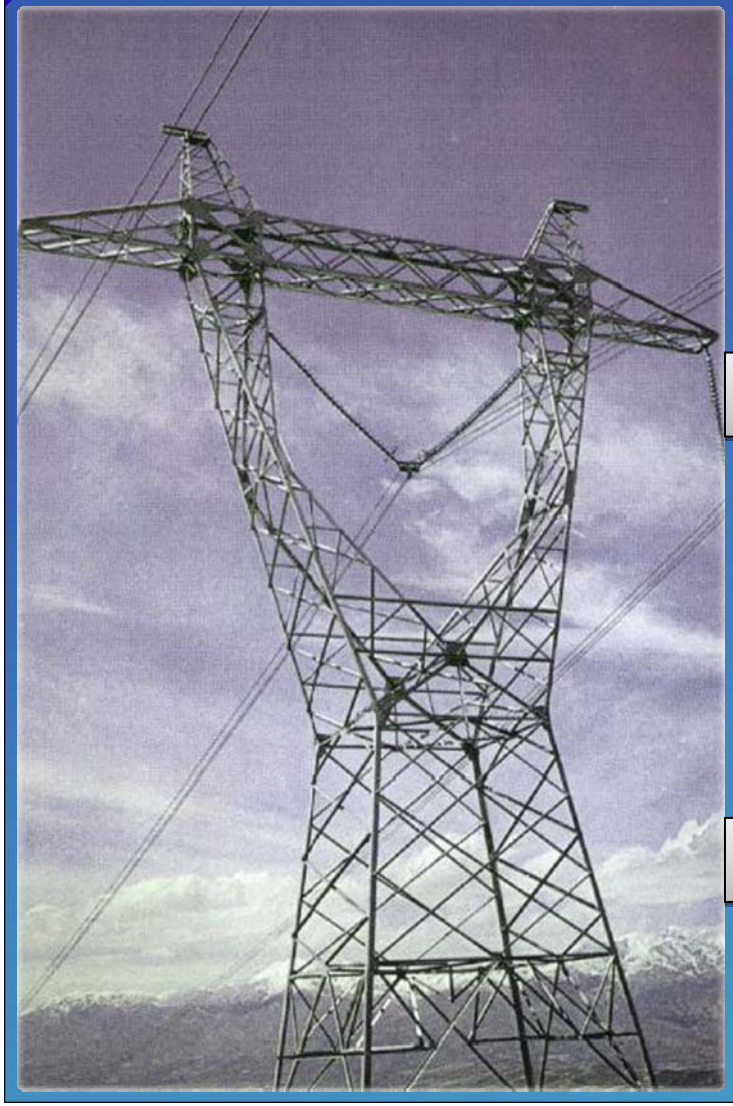
FUTURE PLANS OF TAJIKISTAN ON POWER TRANSMISSION LINES

CONSTRUCTION OF POWER TRANSMISSION LINES



There are number of projects for diversification of power transmission lines being implemented or are under consideration.

FUTURE PLANS/PROJECTS



CASA 1000

Interconnection of Kyrgyzstan, Tajikistan, Afghanistan and Pakistan

Kyrgyzstan and Tajikistan

Afghanistan and Pakistan

FUTURE PLANS/PROJECTS

CASA 1000

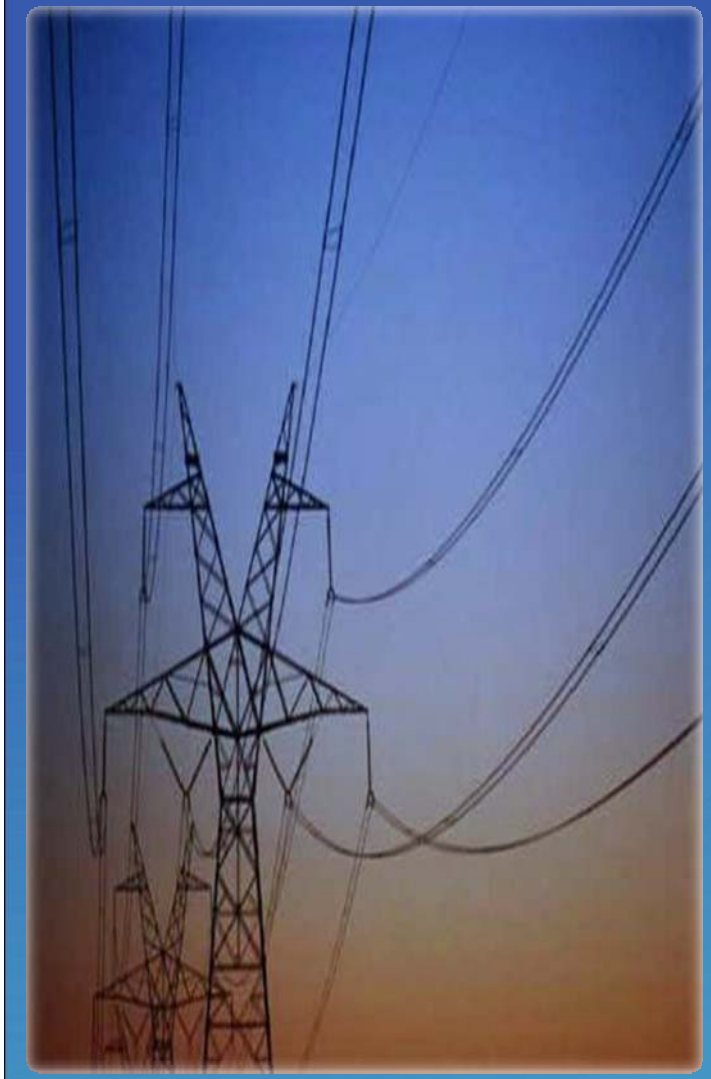
Relevant agreement on development of the CASA 1000 Power Transmission Line Project among Tajikistan, Afghanistan, Kyrgyzstan and Pakistan was signed on August 4, 2008 in Islamabad.

At present Parliaments of Tajikistan and Afghanistan have ratified current document.

Feasibility study of the Project is being conducted by international consultants.

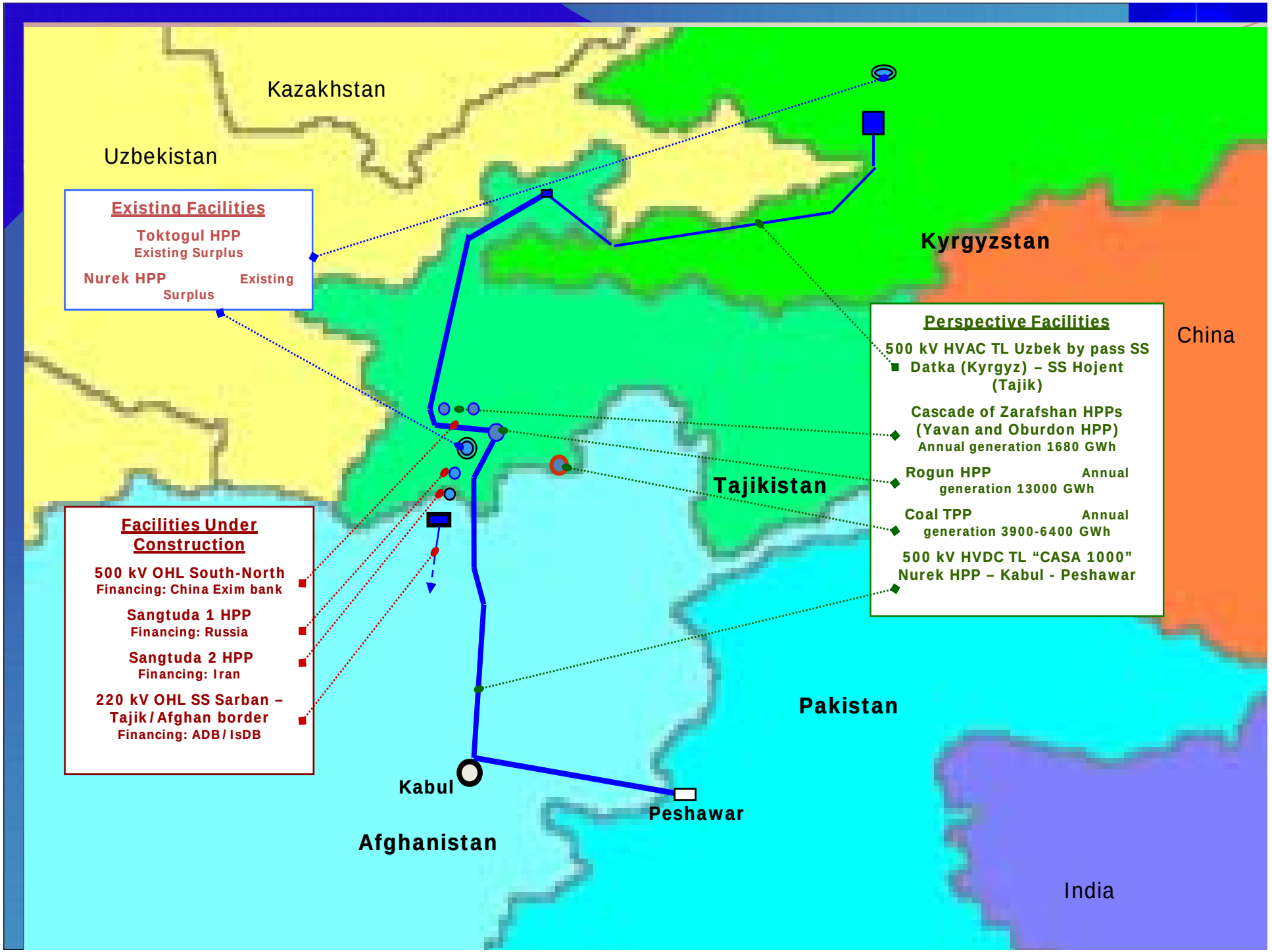
FUTURE PLANS/PROJECTS

CASA 1000



The length of power transmission line is 750 km, including:

- AC Transmission Line Between Kyrgyzstan and Tajikistan
- 1300MW AC/DC Transformer station in Sangtuda (Tajikistan)
- 300MW DC/AC Transformer station in Kabul (Afghanistan)
- 1000MW DC/AC Transformer station in Peshawar (Pakistan)


Kazakhstan
Uzbekistan
Kyrgyzstan
China
Tajikistan
Pakistan
Afghanistan
India
Kabul
Peshawar
Existing Facilities
Toktogul HPP
Existing Surplus
Nurek HPP
Existing Surplus
Facilities Under Construction
500 kV OHL South-North
Financing: China Exim bank
Sangtuda 1 HPP
Financing: Russia
Sangtuda 2 HPP
Financing: Iran
220 kV OHL SS Sarban – Tajik/Afghan border
Financing: ADB/IsDB
Perspective Facilities
500 kV HVAC TL Uzbek by pass SS Datka (Kyrgyz) – SS Hojent (Tajik)
Cascade of Zarafshan HPPs (Yavan and Oburdon HPP)
Annual generation 1680 GWh
Rogun HPP
Annual generation 13000 GWh
Coal TPP
Annual generation 3900-6400 GWh
500 kV HVDC TL "CASA 1000"
Nurek HPP – Kabul - Peshawar

Sangtuda - Puli Khumri (Afg.)

A double-circuit 220 kV transmission line with capacity of 300MW.

FUTURE PLANS/PROJECTS

Sangtuda - Puli Khumri - Mazari Sharif – Herat - Mashhad(Iran)

According to preliminary studies it would be 500kV AC transmission line or DC line with capacity of more than 1000MW.

Feasibility study of the project is being prepared by Tajik and Iranian experts.

The END