

**PASSPORT**  
**Investment Project**

**Modernization of the UE "Cascade Nizhne-Bozsu HPP"**  
**The Republic of Uzbekistan, Tashkent region, district Yangiyul.**  
**(Name and location of the project)**

- 1. The contracting of the project** - Unitary Enterprise " Cascade Nizhne-Bozsu HPP" within the State joint company "Uzbekenergo"
- 2. The aim of the project** (brief description of the project)  
Modernization of HPP provides for installment of two hydraulic units, using the duct and embedded parts of the existing hydropower unit G-1, as well as a new unit duct and using an existing crater and the draft tube of hydropower unit G-2. with an increase in installed capacity of hydropower plant to 13.2 MW.
- 3. The direction of investment** (new construction / modernization and technical re-equipment / other direction)  
Modernization and technical re-equipment of the hydro power plant
- 4. The decision of the Government of the Republic of Uzbekistan** (if necessary)
- 5. The presence of government guarantees** (if necessary) -
- 6. Development Status / expertise PFS / FS – PFS – no**
- 7. Foreign partner and investor (including a creditor, the general contractor)** – will be determined in PFS
- 8. Project Location** - Tashkent region, district Yangiyul.

№ п/п	Name	The unit of measurement	Project Options	Note
<b>1.</b>	<b>Project initiation (by whom, date and № of the document)</b>			
<b>2.</b>	<b>Total project cost, including:</b>	mln.USD	<b>16,5</b>	
2.1	in foreign currency	mln.USD	8,6	
2.2	in national currency	mln.USD.	13382,6	1 \$=1694 sums
<b>3.</b>	<b>costs in foreign currency, total:</b>	mln.USD.	<b>8,6</b>	
3.1	including the purchase of equipment	mln.USD.	7,74	90 %
3.2	for construction works	mln.USD.	0,86	10 %
3.3	Other	mln.sum		
<b>4.</b>	<b>costs in local currency</b>	mln.sum	<b>13382,6</b>	
4.1	including to purchase equipment	mln.sum	2676,52	20 %
4.2	for construction works	mln.sum	10706,08	80 %
4.3	Other			
<b>5.</b>	<b>Sources of funding:</b>	mln.sum	-	
5.1	budgetary funds	mln.USD	-	
5.2	foreign investments and loans, total:	mln.USD	-	
5.2.1	including guaranteed by the government	mln.USD	-	
5.2.2	Foreign direct investment			
5.3.	own funds	mln.USD.	-	
5.3.1	including guaranteed by the government	mln.sum		
5.3.2	in national currency	mln.sum	13382,6	
5.4	commercial bank loans	mln.USD	-	
5.4.1	in foreign currency	mln.sum	-	
5.4.2	in national currency	mln.USD	-	
5.5.	Loans Fund for Reconstruction and Development of Uzbekistan	mln.sum	8,6	
<b>6.</b>	<b>Duration of construction, total</b>	months	<b>37</b>	

6.1	date of commencement of work	month, year	October 2012	
6.2	Date of commissioning	month, year	November 2015	
7.	<b>Payback period, total</b> <b>Expected result from the realization of the project</b>	years		Will be determined in the PFS
8.	<b>annual volume of production, services in kind</b>	mln.kW*h	2,5 12,0	Will be specified in the PFS
8.1	including for export	mln.kW*h	Export is not envisaged	
8.2	the domestic market	mln.kW*h	2,5 12,0	Will be specified in the PFS
9.	<b>annual production volume and services in monetary terms</b>	mln.sum		
9.1	including for export	mln.USD	no	
9.2	the domestic market	mln.sum		
10.	<b>anticipated product markets:</b>		The power system of Uzbekistan	
10.1	internal	%	100	
10.2	external	%	-	
11.	<b>localization level of the project, all</b>	%	-	
12.	<b>decrease in imports due to the project</b>	mln.USD	-	
13.	<b>cost reduction:</b>			
13.1.	reduction of electricity consumption	<u>thousand kW*h</u> mln.sum		
13.2.	reduction in gas consumption	<u>Thousand cubic meters</u> mln.sum		
13.3.	reduction of liquid petroleum products	<u>Thousand tons</u> mln.sum		
13.4.	others	<u>Eqv.</u> mln.sum.		
14.	the number of created jobs	people		Will be determined in the PFS
15.	the number of new products	units	-	
16.	<b>Opinion on the draft assessment of the authorized bodies (the date of the letter and number - if available)</b>			
	1.Ministry of finance -			
	2.MFERIT -			
	3.Ministry of economy -			
	4.National bank of Uzbekistan for FER -			

In the calculations the exchange rate of the U.S. dollar is taken as 1 USD = 1694 sum.

\* The cost of the project and funding sources are subject to change based on development and approval of PFS.



**PASSPORT**  
**Investment Project**

**Modernization of the "Cascade Chirchik HPP" (HPP-10)**

**The Republic of Uzbekistan, Chirchik city**  
**(Name and location of the project)**

- 1. The contracting of the project** - State Unitary Enterprise "Cascade Chirchik HPP"
- 2. The aim of the project** (brief description of the project)  
Modernization of the station will allow:  
To increase electricity generation due to reduction of repair works;  
To increase reliability of exploitation;  
To provide security of production;  
Create an automated process control system, etc.
- 3. The direction of investment** (new construction / modernization and technical re-equipment / other direction) modernization
- 4. The decision of the Government of the Republic of Uzbekistan** (if necessary) -
- 5. The presence of government guarantees** (if necessary) -
- 6. Development Status / expertise PFS / FS** - PFS is being developed
- 7. Foreign partner and investor** (including a creditor, the general contractor) -
- 8. Project Location** - Tashkent region, Chirchik city.

№ п/п	Name	The unit of measurement	Project Options	Note
<b>1.</b>	<b>Project initiation (by whom, date and № of the document)</b>			
<b>2.</b>	<b>Total project cost:</b>	mln.USD	23,5	Will be determined in the PFS
	including:			
2.1	in foreign currency	mln.USD	9,9	Will be determined in the PFS
2.2	in national currency	mln.sum	23038,4	1 USD=1694 sums
<b>3.</b>	<b>costs in foreign currency, total:</b>	mln.USD	9,9	
3.1	including the purchase of equipment	mln.USD	9,9	
3.2	for construction works	mln.USD	-	
3.3	Other	mln.USD	-	
<b>4.</b>	<b>costs in local currency</b>	mln.sum	23038,4	Will be determined in the PFS
4.1	including to purchase equipment	mln.sum	11519,2	Will be determined in the PFS
4.2	for construction works	mln.sum	9906,5	Will be determined in the PFS
4.3	Other	mln.sum	1612,7	Will be determined in the PFS
<b>5.</b>	<b>Sources of funding:</b>			
5.1	budgetary funds	mln.sum	-	
5.2	foreign investments and loans, total:	mln.USD	-	
5.2.1	including guaranteed by the government	mln.USD	-	
5.2.2	Foreign direct investment	mln.USD	-	
5.3	own funds			
5.3.1	including guaranteed by the government	mln.USD	-	
5.3.2	in national currency	mln.sum	23038,4	Will be determined in the PFS
5.4	commercial bank loans			

5.4.1	in foreign currency	mln.USD	-	
5.4.2	in national currency	mln.sum	-	
5.5	Loans Fund for Reconstruction and Development of Uzbekistan	mln.USD	9,9	Will be determined in the PFS
5.6	other sources	mln.sum	-	
6.	<b>Duration of construction, total</b>	months	33	Will be determined in the PFS
6.1	date of commencement of work	month, year	January, 2013	
6.2	Date of commissioning	month, year	September, 2015	
7.	<b>Payback period, total</b>	years		Will be determined in the PFS
	<b>Expected result from the realization of the project</b>			
8.	<b>annual volume of production, services in kind</b>	mln.kW*h	-	Will be determined in the PFS
8.2	including for export	mln.kW*h	-	Will be determined in the PFS
8.1	the domestic market	mln.kW*h	-	Will be determined in the PFS
9.	<b>annual production volume and services in monetary terms</b>	mln.sum	-	Will be determined in the PFS
9.1	including for export	mln.USD	-	
9.2	the domestic market	mln.sum	-	Will be determined in the PFS
10.	<b>anticipated product markets:</b>		-	
10.1	internal	%	100	
10.2	external	%	-	
11.	<b>localization level of the project, all</b>	%	58	Will be specified in the PFS
12.	<b>decrease in imports due to the project</b>	mln.USD	-	
13.	<b>cost reduction:</b>			
13.1	reduction of electricity consumption	<u>thousand kW*h</u> mln.sum	-	
13.2	reduction in gas consumption	<u>Thousand cubic meters</u> mln.sum	-	
13.3	reduction of liquid petroleum products	<u>Thousand tons</u> mln.sum	-	
13.4	others	<u>Eqv.</u> mln.sum	-	Will be achieved due to reduction of expenses for repair works, size will be determined in the PFS
14.	the number of created jobs	people	5	
15.	the number of new products	unit	-	
16.	<b>Opinion on the draft assessment of the authorized bodies (the date of the letter and number - if available)</b>			
	1.Ministry of finance -			The conclusions will be obtained after developing the PFS of the project.
	2.MFERIT -			
	3.Ministry of economy -			
	4.National bank of Uzbekistan for FER -			



# PASSPORT

## Investment Project

### “Modernization of the UE “Farkhad HPP” The Republic of Uzbekistan, Shirin city (Name and location of the project)

1. **The contracting of the project** - Unitary Enterprise «Farkhad HPP» within the State joint company “Uzbekenergo”.
2. **The aim of the project** (brief description of the project)  
Modernization and technical re-equipment of Farkhad hydropower plant replacing worn-out equipment, in order to restore the installed power of the station 126 MW instead of the available 118 MW, increasing the reliability of the equipment.
3. **The direction of investment** (new construction / modernization and technical re-equipment / other direction)  
Modernization, technical re-equipment and reconstruction of the hydro power plant
4. **The decision of the Government of the Republic of Uzbekistan** (if necessary)  
Resolution of the President of the Republic of Uzbekistan № 1072 of March 12, 2009 (Annex № 3 claim 29);  
Resolution of the President of the Republic of Uzbekistan № 1213 of October 28, 2009 (Annex № 11 claim 35).
5. **The presence of government guarantees** (if necessary)
6. **Development Status / expertise PFS / FS – PFS**  
The state of technological equipment of the station has been surveyed, the concept of modernization and technical re-equipment of the station is being developed.
7. **Foreign partner and investor (including a creditor, the general contractor):** needs to be determined.
8. **Project Location** - Sirdarya region,

№ п/п	Name	The unit of measurement	Project Options	Note
1.	<b>Project initiation (by whom, date and № of the document)</b>			
2.	<b>Total project cost, including:</b>	mln.USD	<b>32,0</b>	
2.1	in foreign currency	mln.USD	28,0	
2.2	in national currency	mln.sum	6776, 0	1 \$=1694 sums
3.	<b>costs in foreign currency, total:</b>	mln.USD.	<b>28,0</b>	
3.1	including the purchase of equipment	mln.USD.	25,2	90 %
3.2	for construction works	mln.USD.	2,8	10 %
3.3	Other	mln.USD		
4.	<b>costs in local currency</b>	mln.sum	<b>6776, 0</b>	
4.1	including to purchase equipment	mln.sum	676,0	10 %
4.2	for construction works	mln.sum	6100, 0	90 %
4.3	Other	mln.sum		
5.	<b>Sources of funding:</b>			
5.1	budgetary funds	mln.sum		
5.2	foreign investments and loans, total:	mln.USD	28,0	
5.2.1	including guaranteed by the government	mln.USD	28,0	

5.2.2	Foreign direct investment	mln.USD		
5.3.	own funds			
5.3.1	including guaranteed by the government	mln.USD		
5.3.2	in national currency	mln.sum	6776, 0	
5.4	commercial bank loans	mln.sum	-	
5.4.1	in foreign currency	mln.USD.		
5.4.2	in national currency	mln.sum		
5.5.	Loans Fund for Reconstruction and Development of Uzbekistan	mln.USD		
5.6	commercial bank loans	mln.sum	-	
6.	<b>Duration of construction, total</b>	months	42	
6.1	date of commencement of work	month, year	July 2012	
6.2	Date of commissioning	month, year	December 2015	Phased upgrade worked out in the FS
7.	<b>Payback period, total</b>	years		Will be determined in the PFS
	<b>Expected result from the realization of the project</b>			
8.	<b>annual volume of production, services in absolute measures</b> - capacity - annual volume of generated electricity	MW mln.kW*h	126 *	* Will be determined in the PFS
8.1	including for export			
8.2	- the domestic market - capacity - annual volume of generated electricity	MW mln.kW*h	126 *	* Will be determined in the PFS
9.	<b>annual production volume and services in monetary terms</b>	mln.sum		Will be determined in the PFS
9.1	including for export	mln.USD.		
9.2	the domestic market	mln.sum		
10.	<b>anticipated product markets:</b>			
10.1	internal	%	100	Energy system of Uzbekistan
10.2	external	%		
11.	<b>localization level of the project, all</b>	%	12,5	
12.	<b>decrease in imports due to the project</b>	mln.USD a year		
13.	<b>cost reduction:</b>			
13.1.	reduction of electricity consumption	<u>thousand kW*h</u> mln.sum		
13.2.	reduction in gas consumption	<u>Thousand cubic meters</u> mln.sum		
13.3.	reduction of liquid petroleum products	<u>Thousand tons</u> mln.sum		
13.4.	others	<u>Thousand tons</u> mln.sum		
14.	the number of created jobs	people		increase in personnel qualifications of the personnel of the GES
15.	the number of new products	units		

16.	<b>Opinion on the draft assessment of the authorized bodies (the date of the letter and number - if available)</b>			
	1.Ministry of finance -			
	2.MFERIT -			
	3.Ministry of economy -			
	4.National bank of Uzbekistan for FER -			

**Notes:**

1. In the calculations the exchange rate of the U.S. dollar is taken as 1 USD = 1694 sum.
2. The cost of the project and funding sources are subject to change based on development and approval of PFS.





**PASSPORT**  
**Investment Project**

**Modernization of the "Cascade Kadiri HPP" (HPP-3)**

**The Republic of Uzbekistan, Tashkent region**  
**(Name and location of the project)**

- 1. The contracting of the project** - State Unitary Enterprise "Cascade Kadiri HPP"
- 2. The aim of the project** (brief description of the project)  
Modernization of the station will allow:  
To increase electricity generation due to reduction of repair works;  
To increase reliability of exploitation;  
To provide security of production;  
Create an automated process control system, etc.
- 3. The direction of investment** (new construction / modernization and technical re-equipment / other direction) modernization
- 4. The decision of the Government of the Republic of Uzbekistan** (if necessary) -
- 5. The presence of government guarantees** (if necessary) -
- 6. Development Status / expertise PFS / FS** - PFS is being developed
- 7. Foreign partner and investor** (including a creditor, the general contractor) -
- 8. Project Location** - Tashkent region, Kibray district .

№ п/п	Name	The unit of measurement	Project Options	Note
1.	Project initiation (by whom, date and № of the document)			
2.	Total project cost:	mln.USD	28	Clarifies in the PFS
	including:			
2.1	in foreign currency	mln.USD	8.0	Clarifies in the PFS
2.2	in national currency	mln.sum	34760.88	1 USD=1694 sums
3.	costs in foreign currency, total:	mln.USD	8.0	
3.1	including the purchase of equipment	mln.USD	8.0	
3.2	for construction works	mln.USD	-	
3.3	Other	mln.USD	-	
4.	costs in local currency	mln.sum	34760.88	Clarifies in the PFS
4.1	including to purchase equipment	mln.sum	13904.35	Clarifies in the PFS
4.2	for construction works	mln.sum	18770.88	Clarifies in the PFS
4.3	Other	mln.sum	2085.65	Clarifies in the PFS
5.	Sources of funding:			
5.1	budgetary funds	mln.sum	-	
5.2	foreign investments and loans, total:	mln.USD	-	
5.2.1	including guaranteed by the government	mln.USD	-	
5.2.2	Foreign direct investment	mln.USD	-	
5.3	own funds			
5.3.1	including guaranteed by the government	mln.USD	-	
5.3.2	in national currency	mln.sum	34760.88	Clarifies in the PFS
5.4	commercial bank loans			
5.4.1	in foreign currency	mln.USD	-	

5.4.2	in national currency	mln.sum	-	
5.5	Loans Fund for Reconstruction and Development of Uzbekistan	mln.USD	8.0	Clarifies in the PFS
5.6	other sources	mln.sum	-	
6.	<b>Duration of construction, total</b>	months	34	Clarifies in the PFS
6.1	date of commencement of work	month, year	april 2013	
6.2	Date of commissioning	month, year	december, 2015	
7.	<b>Payback period, total</b>	years		Clarifies in the PFS
	<b>Expected result from the realization of the project</b>			
8.	<b>annual volume of production, services in kind</b>	mln.kW*h	-	Clarifies in the PFS
8.2	including for export	mln.kW*h	-	Clarifies in the PFS
8.1	the domestic market	mln.kW*h	-	Clarifies in the PFS
9.	<b>annual production volume and services in monetary terms</b>	mln.sum	-	Clarifies in the PFS
9.1	including for export	mln.USD	-	
9.2	the domestic market	mln.sum	-	Clarifies in the PFS
10.	<b>anticipated product markets:</b>		-	
10.1	internal	%	100	
10.2	external	%	-	
11.	<b>localization level of the project, all</b>	%	72	Will be specified in the PFS
12.	<b>decrease in imports due to the project</b>	mln.USD	-	
13.	<b>cost reduction:</b>			
13.1	reduction of electricity consumption	<u>thousand kW*h</u> mln.sum	- -	
13.2	reduction in gas consumption	<u>Thousand cubic meters</u> mln.sum	- -	
13.3	reduction of liquid petroleum products	<u>Thousand tons</u> mln.sum	- -	
13.4	others	<u>Eqv.</u> mln.sum	- -	Will be achieved due to reduction of expenses for repair works, size will be determined in the PFS
14.	<b>the number of created jobs</b>	people	5	
15.	<b>the number of new products</b>	unit	-	
16.	<b>Opinion on the draft assessment of the authorized bodies (the date of the letter and number - if available)</b>			
	1.Ministry of finance -			The conclusions will be obtained after developing the PFS of the project.
	2.MFERIT -			
	3.Ministry of economy -			
	4.National bank of Uzbekistan for FER -			



**PASSPORT**  
**Investment project**

**"Construction of cooling towers at the Navoi TPP  
to transfer power units № 3,4,8,9 to the reverse scheme of technical supply of water"  
The Republic of Uzbekistan, Navoi region, Karmana area  
(Name and location of the project)**

- 1. The contracting of the project** – SJSC "Uzbekenergo", Navoi TPP.
- 2. The aim of the project** - To ensure reliable work of power units with decreasing of source water of the river Zarafshan.
- 3. The direction of investment** - new construction.
- 4. The decision of the Government of the Republic of Uzbekistan on the implementation of the project** - resolution of the President #III-1442 from 15.12.2010
- 5. The presence of government guarantees** – there is no guarantee
- 6. Development Status / expertise PFS / FS** – no
- 7. The foreign partner and investor** (including a creditor, the general contractor)- is being studied
- 8. Project Location** – Navoi region, Karmana area, SSG "Yangiaryk.

№ п/п	Name	The unit of measurement	Project Options	Note
1.	Project initiation (by whom, date and № of the document): SJSC "Uzbekenergo"			
2.	Total project cost, including:	mln.USD	130	
2.1	in foreign currency	mln.USD		
2.2	in national currency	mln.sum	130	
3.	costs in foreign currency, total:	mln.USD.	-	
3.1	including the purchase of equipment	mln.USD.	-	
3.2	for construction works	mln.USD.	-	
3.3	Other	mln.sum	-	
4.	costs in local currency	mln.sum	-	
4.1	including to purchase equipment	mln.sum	-	
4.2	for construction works	mln.sum	-	
4.3	Other		-	
5.	Sources of funding:	mln.sum	-	
5.1	budgetary funds	mln.USD	-	is being developed
5.2	foreign investments and loans, total:	mln.USD	-	
5.2.2	including guaranteed by the government	mln.USD	-	
5.2.	Foreign direct investment		-	
5.3.1	own funds	mln.USD.	130	
5.3.2	including guaranteed by the government	mln.sum	-	
5.4	in national currency	mln.sum	-	
5.4.1	commercial bank loans	mln.USD	-	
5.4.2	in foreign currency	mln.sum	-	
5.5.	in national currency	mln.USD	-	
5.6	Loans Fund for Reconstruction and Development of Uzbekistan	mln.sum	-	
6.	Duration of construction, total	months	-	
6.1	date of commencement of work	month, year	2013	
6.2	Date of commissioning	month, year	2015	
7.		years	-	Will be determined in the PFS
	Payback period, total			
	Expected result from the realization of the project		-	
8.		MW		
	annual volume of production, services in kind	mln.kW*h		
8.1	including for export	mln.kW*h		
8.2	the domestic market	mln.kW*h		



9.	annual production volume and services in monetary terms	mln.sum		
9.1	including for export	mln.USD		
9.2	the domestic market	mln.sum		
10.	anticipated product markets:			
10.1	internal	%		
10.2	external	%		
11.	localization level of the project, all	%		
12.	decrease in imports due to the project	mln.USD		
13.	cost reduction:			
13.1.	reduction of electricity consumption	thousand kW*h mln.sum		
13.2.	reduction in gas consumption	Thousand cubic meters mln.sum		
13.3.	reduction of liquid petroleum products	Thousand tons mln.sum		
13.4.	others	Eqv. mln.sum.		
14.	the number of created jobs	people	10	
15.	the number of new products	units	-	
16.	Opinion on the draft assessment of the authorized bodies (the date of the letter and number - if available)			
	1.Ministry of finance -			
	2.MFERIT -			
	3.Ministry of economy -			
	4.National bank of Uzbekistan for FER -			

**PASSPORT**  
**Investment Project**

**"Shift of units № 6-7 Novo-Angren thermal power plant to coal-burning  
with the construction of second coal-conveying plant and second coal storage (stage 2) "**  
**The Republic of Uzbekistan, Tashkent region, Angren**  
**(Name and location of the project)**

- 1. The contracting of the project** – SJSC "Uzbekenergo", JSC "Novo-Angren TPP".
- 2. The aim of the project (brief description of the project)** – Project provides for the transfer of units № 6-7 Novo-Angren thermal power plant to coal-burning from the coal provided by Angren deposit, with the increase of coal production in the cut of "Angrenskiy" due to technical re-equipment of the latter, which will ensure stable growth of coal production and increase its share in electricity generation in the energy balance of the Republic of Uzbekistan.
- 3. The direction of investment** – the reconstruction, modernization and construction.
- 4. The decision of the Government of the Republic of Uzbekistan on the implementation of the project** – after the project documentation is ready.
- 5. The presence of government guarantees** – required after the project documentation is ready.
- 6. Development Status / expertise PFS / FS** – The development of PFS of second phase of the project is required.
- 7. The foreign partner and investor** (including a creditor, the general contractor) – not determined.
- 8. Project Location** – Nurabad settlement, the town of Angren, Tashkent region.

№ п/п	Name	The unit of measurement	Project Options	Note
1.	Project initiation (by whom, date and № of the document)	Resolution the President of the Republic Uzbekistan from 15.12.2010 # PP-1442 "About priority of the development to industry of the Republic Uzbekistan in 2011-2015 year"		
2.	Total project cost, including:	mln.USD	304,2	
2.1	in foreign currency	mln.USD	304,2	
2.2.	in national currency	mln.sum	522 463,5	
3.	costs in foreign currency, total:	mln.USD	-	
3.1.	including the purchase of equipment	mln.USD	-	
3.2.	for construction works	mln.USD	-	
3.3.	Other	mln.USD	-	
4.	costs in local currency	mln.sum	-	
4.1.	including to purchase equipment	mln.sum	-	
4.2.	for construction works	mln.sum	-	
4.3.	Other	mln.sum	-	
5.	Sources of funding:			
5.1.	budgetary funds	mln.sum		
5.2.	foreign investments and loans, total:	mln.USD	228,2	
5.2.1.	including guaranteed by the government	mln.USD	228,2	
5.2.2.	Foreign direct investment	mln.USD	-	
5.3.	own funds			
5.3.1.	including guaranteed by the government	mln.USD	-	
5.3.2.	in national currency	mln.sum	-	
5.4.	commercial bank loans			
5.4.1.	in foreign currency	mln.USD	-	
5.4.2.	in national currency	mln.sum	-	
5.5.	Loans Fund for Reconstruction and Development of Uzbekistan	mln.USD	-	
5.6.	other sources	mln.sum	-	
6.	Duration of construction, total	moths	24	
6.1.	date of commencement of work	month, year	01.01.2014	
6.2.	Date of commissioning	month, year	31.12.2016	
7.	Payback period, total	years	Will be determined in the development of PFS on stage 2	
	expected		Will be determined in the development	



			of PFS on stage 2	
8.	annual volume of production, services in kind	mln.kW*h	7,4	
8.1.	including for export	mln.kW*h	Will be determined in the development of PFS on stage 2	
8.2.	the domestic market	mln.kW*h	7,4	
9.	annual production volume and services in monetary terms	mln.sum	Will be determined in the development of PFS on stage 2	
9.1.	including for export	mln.USD	Will be determined in the development of PFS on stage 2	
9.2.	the domestic market	mln.sum	Will be determined in the development of PFS on stage 2	
10	anticipated product markets:			
10.1.	internal	%	Will be determined in the development of PFS on stage 2	
10.2.	external	%	Will be determined in the development of PFS on stage 2	
11.	localization level of the project, all	%	Will be determined in the development of PFS on stage 2	
12.	decrease in imports due to the project	mln.USD	Will be determined in the development of PFS on stage 2	
13.	cost reduction:		Will be determined in the development of PFS on stage 2	
13.1.	reduction of electricity consumption	mln.kW*h mln.sum.	Will be determined in the development of PFS on stage 2	
13.2.	reduction in gas consumption	Thousand cubic meters mln.sum	Will be determined in the development of PFS on stage 2	
13.3.	reduction of liquid petroleum products	Thousand tons mln.sum	Will be determined in the development of PFS on stage 2	
13.4.	others	Eqv. mln.sum.	Will be determined in the development of PFS on stage 2	
14.	the number of created jobs	people	200	
15.	the number of new products	units	-	
16.	Opinion on the draft assessment of the authorized bodies (the date of the letter and number - if available)			
	1.Ministry of finance -			
	2.MFERIT -			
	3.Ministry of economy -			
	4.National bank of Uzbekistan for FER -			

\* All the aforementioned data is subject to change after the development of PFS of the second stage of the investment project.



**PASSPORT**  
**Investment Project**

**Modernization of the "Cascade Samarkand HPP" (HPP-2B)**

**The Republic of Uzbekistan, Samarkand region**  
**(Name and location of the project)**

- 1. The contracting of the project** - State Unitary Enterprise "Cascade Tashkent HPP" Branch "Cascade Samarkand HPP"
- 2. The aim of the project** (brief description of the project)  
Modernization of the station will allow:  
To increase electricity generation due to reduction of repair works;  
To increase reliability of exploitation;  
To provide security of production;  
Create an automated process control system, etc.
- 3. The direction of investment** (new construction / modernization and technical re-equipment / other direction) modernization
- 4. The decision of the Government of the Republic of Uzbekistan** (if necessary) -
- 5. The presence of government guarantees** (if necessary) -
- 6. Development Status / expertise PFS / FS** - PFS is being developed
- 7. Foreign partner and investor (including a creditor, the general contractor)** -
- 8. Project Location** – Samarkand city, Heeshrau set.

№ п/п	Name	The unit of measurement	Project Options	Note
1.	Project initiation (by whom, date and № of the document)			
2.	Total project cost:	mln.USD	22	Clarifies in the PFS
	including:			
2.1	in foreign currency	mln.USD	9.2	Clarifies in the PFS
2.2	in national currency	mln.sum	21683.2	1 USD=1694 sums
3.	costs in foreign currency, total:	mln.USD	9.2	
3.1	including the purchase of equipment	mln.USD	9.2	
3.2	for construction works	mln.USD	-	
3.3	Other	mln.USD	-	
4.	costs in local currency	mln.sum	21683.2	Clarifies in the PFS
4.1	including to purchase equipment	mln.sum	10841.6	Clarifies in the PFS
4.2	for construction works	mln.sum	9323.8	Clarifies in the PFS
4.3	Other	mln.sum	1517.8	Clarifies in the PFS
5.	Sources of funding:			
5.1	budgetary funds	mln.sum	-	
5.2	foreign investments and loans, total:	mln.USD	-	
5.2.1	including guaranteed by the government	mln.USD	-	
5.2.2	Foreign direct investment	mln.USD	-	
5.3	own funds			
5.3.1	including guaranteed by the government	mln.USD	-	
5.3.2	in national currency	mln.sum	21683.2	Clarifies in the PFS
5.4	commercial bank loans			

5.4.1	in foreign currency	mln.USD	-	
5.4.2	in national currency	mln.sum	-	
5.5	Loans Fund for Reconstruction and Development of Uzbekistan	mln.USD	9.2	Clarifies in the PFS
5.6	other sources	mln.sum	-	
6.	<b>Duration of construction, total</b>	months	33	Clarifies in the PFS
6.1	date of commencement of work	month, year	january 2013	
6.2	Date of commissioning	month, year	september, 2015	
7.	<b>Payback period, total</b>	years		Clarifies in the PFS
	<b>Expected result from the realization of the project</b>			
8.	<b>annual volume of production, services in kind</b>	mln.kW*h	-	Clarifies in the PFS
8.2	including for export	mln.kW*h	-	Clarifies in the PFS
8.1	the domestic market	mln.kW*h	-	Clarifies in the PFS
9.	<b>annual production volume and services in monetary terms</b>	mln.sum	-	Clarifies in the PFS
9.1	including for export	mln.USD	-	
9.2	the domestic market	mln.sum	-	Clarifies in the PFS
10.	<b>anticipated product markets:</b>		-	
10.1	internal	%	100	
10.2	external	%	-	
11.	<b>localization level of the project, all</b>	%	58	Will be specified in the PFS
12.	<b>decrease in imports due to the project</b>	mln.USD	-	
13.	<b>cost reduction:</b>			
13.1	reduction of electricity consumption	<u>thousand kW*h</u> mln.sum	- -	
13.2	reduction in gas consumption	<u>Thousand cubic meters</u> mln.sum	- -	
13.3	reduction of liquid petroleum products	<u>Thousand tons</u> mln.sum	- -	
13.4	others	<u>Eqv.</u> mln.sum	- -	Will be achieved due to reduction of expenses for repair works, size will be determined in the PFS
14.	<b>the number of created jobs</b>	people	5	
15.	<b>the number of new products</b>	unit	-	
16.	<b>Opinion on the draft assessment of the authorized bodies (the date of the letter and number - if available)</b>			
	1.Ministry of finance -			The conclusions will be obtained after developing the PFS of the project.
	2.MFERIT -			
	3.Ministry of economy -			
	4.National bank of Uzbekistan for FER -			



**PASSPORT**  
**Investment Project**

**Modernization of the "Cascade Shahrikhon HPP" (HPP-SFC-2)**  
**The Republic of Uzbekistan, Andijan**  
**(Name and location of the project)**

1. **The contracting of the project** – State Unitary Enterprise "Cascade Tashkent HPP" branch "Cascade Shahrikhon HPP"
2. **The aim of the project** (brief description of the project)  
Modernization of the station will allow:  
To increase electricity generation due to reduction of repair works;  
To increase reliability of exploitation;  
To provide security of production;  
Create an automated process control system, etc.
3. **The direction of investment** (new construction / modernization and technical re-equipment / other direction) modernization
4. **The decision of the Government of the Republic of Uzbekistan (if necessary)** -
5. **The presence of government guarantees (if necessary)** -
6. **Development Status / expertise PFS / FS** – PFS is being developed
7. **Foreign partner and investor (including a creditor, the general contractor)** -
8. **Project Location** - Andijan region

№ п/п	Name	The unit of measurement	Project Options	Note
1.	<b>Project initiation (by whom, date and № of the document)</b>			
2.	<b>Total project cost, including:</b>	mln.USD	5,80	Will be determined in the PFS
	including:			
2.1	in foreign currency	mln.USD	4,176	Will be determined in the PFS
2.2	in national currency	mln.sum	2 789,22	1\$=1717,5 sum
3.	<b>costs in foreign currency, total:</b>	mln.USD	4,176	
3.1	including the purchase of equipment	mln.USD	4,176	
3.2	for construction works	mln.USD	0,000	
3.3	Other	mln.USD	0,000	
4.	<b>costs in local currency</b>	mln.sum	2 789,22	Will be determined in the PFS
4.1	including to purchase equipment	mln.sum	0,00	Will be determined in the PFS
4.2	for construction works	mln.sum	1 992,30	Will be determined in the PFS
4.3	Other	mln.sum	796,92	Will be determined in the PFS
5.	<b>Sources of funding:</b>			
5.1	budgetary funds	mln.sum	-	
5.2	foreign investments and loans, total:	mln.USD	-	
5.2.1	including guaranteed by the government	mln.USD	-	
5.2.2	Foreign direct investment	mln.USD	-	
5.3	own funds			
5.3.1	including guaranteed by the government	mln.USD	-	
5.3.2	in national currency	mln.sum	2 789,22	Will be determined in the PFS
5.4	commercial bank loans			



5.4.1	in foreign currency	mln.USD	-	
5.4.2	in national currency	mln.sum	-	
5.5	Loans Fund for Reconstruction and Development of Uzbekistan	mln.USD	0,00	Will be determined in the PFS
5.6	other sources	mln.sum	-	
6.	Duration of construction, total	months	34	Will be determined in the PFS
6.1	date of commencement of work	month, year	01.02.13	
6.2	Date of commissioning	month, year	01.12.15	
7.	Payback period, total	years		Will be determined in the PFS
	Expected result from the realization of the project			
8.	annual volume of production, services in kind	mln.kW*h	-	Will be determined in the PFS
8.2	including for export	mln.kW*h	-	Will be determined in the PFS
8.1	the domestic market	mln.kW*h	-	Will be determined in the PFS
9.	annual production volume and services in monetary terms	mln.sum	-	Will be determined in the PFS
9.1	including for export	mln.USD	-	
9.2	the domestic market	mln.sum	-	Will be determined in the PFS
10	anticipated product markets:			
10.1	internal	%	100	
10.2	external	%	-	
11.	localization level of the project, all	%		Will be determined in the PFS
12.	decrease in imports due to the project	mln.USD	-	
13.	cost reduction:			
13.1	reduction of electricity consumption	thousand kW*h mln.sum	- -	
13.2	reduction in gas consumption	Thousand cubic meters mln.sum	- -	
13.3	reduction of liquid petroleum products	Thousand tons mln.sum	- -	
13.4	others	Eqv.  mln.sum	- -	Will be achieved due to reduction of expenses for repair works, size will be determined in the PFS
14.	the number of created jobs	people	0	
15.	the number of new products	units	-	
16.	Opinion on the draft assessment of the authorized bodies (the date of the letter and number - if available)			The conclusions will be obtained after developing the PFS of the project.
	1.Ministry of finance -			
	2.MFERIT -			
	3.Ministry of economy -			
	4.National bank of Uzbekistan for FER -			

**PASSPORT**  
**Investment Project**

**"Modernization Tahiatash TPP remittance the blocks 210 MWT  
to circulating scheme of the technical water-supply"**  
**The Republic of Karakalpakstan, Tahiatash**  
**(Name and location of the project)**

- 1. The contracting of the project** – SJSC "Uzbekenergo", JSC "Tahiatash TPP".
- 2. The aim of the project** – Project provides remitting blocks 7 and 8 in Tahiatashs TPP capacity on 210 MWT to circulating system of the technical water-supply and construction two gas-turbine unit (GTU) by capacity on 140 MWT, supply to stable electric energy consumer in region, reliability, economy of the functioning the equipment Tahiatashs TPP, reductions of the specific expenses power resource on furlough of the product and ect.
- 3. The direction of investment** - the reconstruction and modernization.
- 4. The decision of the Government of the Republic of Uzbekistan on the implementation of the project** - after the project documentation is ready.
- 5. The presence of government guarantees** - required after the project documentation is ready.
- 6. Development Status / expertise PFS / FS** - The design of PFS.
- 7. The foreign partner and investor** (including a creditor, the general contractor) - not determined.
- 8. Project Location** - Republic Karakalpakstan, Tahiatash.

№ п/п	Name	The unit of measurement	Project Options	Note
1.	Project initiation (by whom, date and № of the document)	Resolution the President of the Republic Uzbekistan from 15.12.2010 # PP-1442 "About priority of the development to industry of the Republic Uzbekistan in 2011-2015 year"		
2.	Total project cost, including:	mln.USD	331,0	Beforehand, will is determined within the framework of PFS, be elaborated in FS and on total of the after tender
2.1	in SLE	mln.USD	225,0	
2.2.	in national currency	mln.sum	199 386,0	
3.	costs in foreign currency, total:	mln.USD	225,0	
3.1.	including the purchase of equipment	mln.USD	225,0-	
3.2.	for construction works	mln.USD		
3.3.	Other	mln.USD		
4.	costs in local currency	mln.sum	199 386,0	
4.1.	including to purchase equipment	mln.sum		
4.2.	for construction works	mln.sum	199 386,0	
4.3.	Other	mln.sum		
5.	Sources of funding:			
5.1.	budgetary funds	mln.sum		
5.2.	foreign investments and loans, total:	mln.USD	225,0	
5.2.1.	including guaranteed by the government	mln.USD	225,0	
5.2.2.	Foreign direct investment	mln.USD	-	
5.3.	own funds	mln.USD	106,0	
5.3.1.	including guaranteed by the government	mln.USD	-	
5.3.2.	in national currency	mln.sum	-	
5.4.	commercial bank loans		-	
5.4.1.	in SLE	mln.USD	-	
5.4.2.	in national currency	mln.sum	-	
5.5.	Loans Fund for Reconstruction and Development of Uzbekistan	mln.USD	-	
5.6.	other sources	mln.sum	-	
6.	Duration of construction, total	moths	72	
6.1.	date of commencement of work	month, year	09.2013	
6.2.	Date of commissioning	month, year	12.2018	
7.	Payback period, total	years	Will be determined in the PFS	
	expected		Will be determined in the PFS	
8.	annual volume of production, services in kind	mln.kW*h	Will be determined in the PFS	
8.1.	including for export	mln.kW*h	Will be determined	
8.2.	the domestic market	mln.kW*h	Will be determined	



9.	annual production volume and services in monetary terms	mln.sum	in the PFS	
9.1.	including for export	mln.USD	Will be determined in the PFS	
9.2.	the domestic market	mln.sum	Will be determined in the PFS	
10	anticipated product markets:			
10.1.	internal	%	Will be determined in the PFS	
10.2.	external	%	Will be determined in the PFS	
11.	localization level of the project, all	%	Will be determined in the PFS	
12.	decrease in imports due to the project	mln.USD	Will be determined in the PFS	
13.	cost reduction:		Will be determined in the PFS	
13.1.	reduction of electricity consumption	mln.kW*h mln.sum.	Will be determined in the PFS	
13.2.	reduction in gas consumption	Thousand cubic meters mln.sum	Will be determined in the PFS	
13.3.	reduction of liquid petroleum products	Thousand tons mln.sum	Will be determined in the PFS	
13.4.	others	Eqv. mln.sum.	Will be determined in the PFS	
14.	the number of created jobs	people	Will be determined in the PFS	
15.	the number of new products	units	-	
16.	Opinion on the draft assessment of the authorized bodies (the date of the letter and number - if available)			
	1.Ministry of finance -			
	2.MFERIT -			
	3.Ministry of economy -			
	4.National bank of Uzbekistan for FER -			

\* All the aforementioned data is subject to change after the development of PFS of the investment project.

\*\* At calculation to take the exchange dollar rate USA equal 1 \$ USA = 1881 sums



**PASSPORT**  
**Investment Project**

**Modernization of the UE "Cascade Tashkent HPP"**  
**The Republic of Uzbekistan, Tashkent city Aktepa HPP (HPP -9)**  
**(Name and location of the project)**

- 1. The contracting of the project** - Unitary Enterprise "Cascade Tashkent HPP" within the State joint company "Uzbekenergo"
- 2. The aim of the project** (brief description of the project)  
Modernization of HPP provides for installment of two hydraulic units, using the duct and embedded parts of the existing hydropower unit G-1, as well as a new unit duct and using an existing crater and the draft tube of hydropower unit G-2. with an increase in installed capacity of hydropower plant to 18 MW.
- 3. The direction of investment** (new construction / modernization and technical re-equipment / other direction)  
Modernization and technical re-equipment of the hydro power plant.
- 4. The decision of the Government of the Republic of Uzbekistan** (if necessary)
- 5. The presence of government guarantees** (if necessary) -
- 6. Development Status / expertise PFS / FS – PFS – no**
- 7. Foreign partner and investor (including a creditor, the general contractor)** – will be determined in PFS
- 8. Project Location** - Tashkent city

№ п/п	Name	The unit of measurement	Project Options	Note
<b>1.</b>	<b>Project initiation (by whom, date and № of the document)</b>			
<b>2.</b>	<b>Total project cost, including:</b>	mln.USD	<b>21,0</b>	
2.1	including:	mln.USD.		
2.2	in foreign currency	mln.USD	11,5	
2.3	in national currency	mln.USD.	16093,0	1 \$=1694 sums
<b>3.</b>	<b>costs in foreign currency, total:</b>	mln.USD.	<b>11,5</b>	
3.1	including the purchase of equipment	mln.USD.	10,35	90 %
3.2	for construction works	mln.USD.	1,15	10 %
3.3	Other	mln.sum		
<b>4.</b>	<b>costs in local currency</b>	mln.sum	<b>16093,0</b>	
4.1	including to purchase equipment	mln.sum	3218,6	20 %
4.2	for construction works	mln.sum	12874,4	80 %
4.3	Other	mln.sum		
<b>5.</b>	<b>Sources of funding:</b>	mln.USD	-	
5.1	budgetary funds	mln.USD	-	
5.2	foreign investments and loans, total:	mln.USD	-	
5.2.1	including guaranteed by the government	mln.USD.	-	
5.2.2	Foreign direct investment	mln.sum		
5.3.	own funds	mln.sum	-	
5.3.1	including guaranteed by the government	mln.USD		
5.3.2	in national currency	mln.sum	16093,0	
5.4	commercial bank loans	mln.USD	-	
5.4.1	in foreign currency		-	
5.4.2	in national currency			
5.5	Loans Fund for Reconstruction and Development of Uzbekistan	mln.sum	11,5	
<b>6.</b>	<b>Duration of construction, total</b>	months	<b>32</b>	

6.1	date of commencement of work	month, year	2012	
6.2	Date of commissioning	month, year	2015	
7.		years		Will be determined in the PFS
	<b>Payback period, total</b>			
	<b>Expected result from the realization of the project</b>			
8.			4,0 17,0	Will be specified in the PFS
	<b>annual volume of production, services in kind</b>	mln.kW*h		
8.1	including for export	mln.kW*h	Export is not envisaged	
8.2			4,0 17,0	Will be specified in the PFS
	<b>the domestic market</b>	mln.kW*h		
9.	<b>annual production volume and services in monetary terms</b>	mln.sum		
9.1	including for export	mln.USD	no	
9.2	the domestic market	mln.sum		
10.	<b>anticipated product markets:</b>		The power system of Uzbekistan	
10.1	internal	%	100	
10.2	external	%	-	
11.	<b>localization level of the project, all</b>	%	-	
12.	<b>decrease in imports due to the project</b>	mln.USD	-	
13.	<b>cost reduction:</b>			
13.1.	reduction of electricity consumption	<u>thousand kW*h</u> mln.sum		
13.2.	reduction in gas consumption	<u>Thousand cubic meters</u> mln.sum		
13.3.	reduction of liquid petroleum products	<u>Thousand tons</u> mln.sum		
13.4.	others	Eqv. mln.sum.		
14.	the number of created jobs	people		Will be determined in the PFS
15.	the number of new products	units	-	
16.	<b>Opinion on the draft assessment of the authorized bodies (the date of the letter and number - if available)</b>			
	1.Ministry of finance -	mln.USD		
	2.MFERIT -	mln.USD.		
	3.Ministry of economy -	mln.USD		
	4.National bank of Uzbekistan for FER -	mln.USD.		

In the calculations the exchange rate of the U.S. dollar is taken as 1 USD = 1694 sum.

\* The cost of the project and funding sources are subject to change based on development and approval of PFS.