ΥΠΟΥΡΓΕΙΟ ΕΞΩΤΕΡΙΚΩΝ
Β1 Διεύθυνση
Σχεδιασμού Εξωστρέφειας και Συντονισμού Φορέων Εξωστρέφειας

ΑΔΙΑΒΑΘΜΗΤΟ
ΚΑΝΟΝΙΚΟ

Αρμόδια: **Παρασκευή Μπρέκη, Γραμματέας ΟΕΥ Β΄**
Τηλ.: **210 368 2766**
E-mail: **db1@mfa.gr**

Αθήνα, 28 Ιουλίου 2025
Α.Π.: 42963

ΠΡΟΣ : ΠΙΝΑΚΑ ΑΠΟΔΕΚΤΩΝ

ΚΟΙΝ.: - Πρεσβεία Μόσχας και Γραφείο ΟΕΥ αυτής
- Πρεσβεία Αστάνα

Ε.Δ.:
- Διπλ. Γραφείο κ. Πρωθυπουργού
- Διπλ. Γραφείο κ. Υπουργού
- Διπλ. Γραφείο Υφυπουργού κας Παπαδοπούλου
- Διπλ. Γραφείο Υφυπουργού κ. Θεοχάρη
- Γραφείο κ. Γεν. Γραμματέα ΔΟΣ & Εξωστρέφειας
- Α΄ και Β΄ Γενικές Διευθύνσεις
- Α5, Β4, Β7 Δ/νσεις

χ.σ

ΘΕΜΑ: **Δυνατότητα συμμετοχής ελληνικών εταιρειών σε επενδυτικά προγράμματα της Κιργιζίας στους τομείς ενέργειας και μεταλλευτικής βιομηχανίας**

ΣΧΕΤ.: Έγγραφα Πρεσβείας της Ελλάδος στη Μόσχα με ΑΠ 630/Φ.1150.9/23.7.2025 και 624/Φ.1150.9/17.7.2025 (μ.π.ο.)

Σε συνέχεια ενημέρωσης από την Πρεσβεία της Ελλάδος στη Μόσχα, επισυνάπτεται ενημερωτικό υλικό των αρμόδιων Υπουργείων της Κιργιζίας σχετικά με προγραμματισμένα επενδυτικά προγράμματα στους τομείς:

- πράσινης ενέργειας, συμπεριλαμβανομένων και προγραμμάτων σχετικών με σταθμούς ηλιακής, αιολικής και υδροηλεκτρικής ενέργειας
- μεταλλευτικής βιομηχανίας και κρίσιμων πρώτων υλών

Παρακαλούμε όπως ενημερώσετε σχετικά τις εταιρείες-μέλη σας. Για περισσότερες πληροφορίες σχετικά με τα συνημμένα επενδυτικά προγράμματα, τυχόν ενδιαφερόμενες επιχειρήσεις, μπορούν να επικοινωνούν απ' ευθείας με την Πρεσβεία της Κιργιζίας στη Μόσχα:
ηλ. διεύθυνση: kgembassy.ru@mfa.gov.kg
website: https://mfa.gov.kg/ru/dm/pkr-v-rf
τηλ.: +7(499) 237 36 74, 237 4601
διεύθυνση: ul.Bolshaya Ordynka, 64 Moscow 115127

Ο Διευθυντής

Γεώργιος Επ. Τοσούνης
Σύμβουλος Ο.Ε.Υ. Α΄

Συν.: 2 αρχεία PDF, σελ. 16 και 31

ΠΙΝΑΚΑΣ ΑΠΟΔΕΚΤΩΝ	
ΚΕΝΤΡΙΚΗ ΕΝΩΣΗ ΕΠΙΜΕΛΗΤΗΡΙΩΝ ΕΛΛΑΔΟΣ (ΚΕΕΕ)	Keeuhcci@uhc.gr;
ΕΜΠΟΡΙΚΟ ΚΑΙ ΒΙΟΜΗΧΑΝΙΚΟ ΕΠΙΜΕΛΗΤΗΡΙΟ ΑΘΗΝΩΝ	info@acci.gr; excom@acci.gr;
ΕΜΠΟΡΙΚΟ ΚΑΙ ΒΙΟΜΗΧΑΝΙΚΟ ΕΠΙΜΕΛΗΤΗΡΙΟ ΘΕΣΣΑΛΟΝΙΚΗΣ	root@ebeth.gr; exagoges@ebeth.gr;
ΕΜΠΟΡΙΚΟ ΚΑΙ ΒΙΟΜΗΧΑΝΙΚΟ ΕΠΙΜΕΛΗΤΗΡΙΟ ΠΕΙΡΑΙΩΣ	evep@pcci.gr; commerce@pcci.gr;
ΣΥΝΔΕΣΜΟΣ ΕΠΙΧΕΙΡΗΣΕΩΝ & ΒΙΟΜΗΧΑΝΙΩΝ (ΣΕΒ)	info@sev.org.gr; ir@sev.org.gr;
ΣΥΝΔΕΣΜΟΣ ΒΙΟΜΗΧΑΝΙΩΝ ΕΛΛΑΔΟΣ (ΣΒΕ)	info@sbe.org.gr; president@sbe.org.gr
ΣΥΝΔΕΣΜΟΣ ΒΙΟΜΗΧΑΝΙΩΝ ΑΤΤΙΚΗΣ & ΠΕΙΡΑΙΑ (ΣΒΑΠ)	svap@svap.gr;
ΣΥΝΔΕΣΜΟΣ ΒΙΟΜΗΧΑΝΙΩΝ ΣΤΕΡΕΑΣ ΕΛΛΑΔΟΣ (ΣΒΣΕ)	info@svse.gr;
ΣΥΝΔΕΣΜΟΣ ΒΙΟΜΗΧΑΝΙΩΝ ΘΕΣΣΑΛΙΑΣ & ΣΤΕΡΕΑΣ ΕΛΛΑΔΟΣ (ΣΒΘΣΕ)	info@sbtse.gr
ΣΥΝΔΕΣΜΟΣ ΒΙΟΜΗΧΑΝΙΩΝ ΠΕΛΟΠΟΝΝΗΣΟΥ & ΔΥΤΙΚΗΣ ΕΛΛΑΔΟΣ (ΣΕΒΠΔΕ)	info@sevpde.gr;
ΕΛΛΗΝΟ-ΚΑΖΑΧΙΚΟ ΕΜΠΟΡΙΚΟ ΚΑΙ ΒΙΟΜΗΧΑΝΙΚΟ ΕΠΙΜΕΛΗΤΗΡΙΟ	info@helkazcic.gr;
ΕΛΛΗΝΟ-ΚΑΖΑΚΙΚΟ ΕΠΙΧΕΙΡΗΜΑΤΙΚΟ ΣΥΜΒΟΥΛΙΟ	hellenickazakhbc@gmail.com;
ΕΝΩΣΗ ΕΛΛΗΝΙΚΩΝ ΕΠΙΧΕΙΡΗΣΕΩΝ ΘΕΡΜΑΝΣΗΣ ΚΑΙ ΕΝΕΡΓΕΙΑΣ (ΕΝ.Ε.ΕΠΙ..Θ.Ε.)	info@uhhe.gr;
ΤΕΧΝΙΚΟ ΕΠΙΜΕΛΗΤΗΡΙΟ ΕΛΛΑΔΑΣ (ΤΕΕ)	tee@central.tee.gr; president@central.tee.gr;
ΣΥΝΔΕΣΜΟΣ ΕΛΛΗΝΙΚΩΝ ΓΡΑΦΕΙΩΝ ΜΕΛΕΤΩΝ (ΣΕΓΜ)	segm@segm.gr;
ΣΥΛΛΟΓΟΣ ΜΕΛΕΤΗΤΩΝ ΕΛΛΑΔΟΣ (ΣΜΕ)	sme@tee.gr;
ΠΑΝΕΛΛΗΝΙΟΣ ΣΥΝΔΕΣΜΟΣ ΑΝΩΝΥΜΩΝ ΤΕΧΝΙΚΩΝ ΕΤΑΙΡΕΙΩΝ (ΣΑΤΕ)	info@sate.gr;
ΣΥΝΔΕΣΜΟΣ ΤΕΧΝΙΚΩΝ ΕΤΑΙΡΕΙΩΝ ΑΝΩΤΕΡΩΝ ΤΑΞΕΩΝ (ΣΤΕΑΤ)	info@steat.gr;
ΠΑΝΕΛΛΗΝΙΟΣ ΣΥΝΔΕΣΜΟΣ ΕΡΓΟΛΗΠΤΩΝ ΕΓΓΕΓΡΑΜΜΕΝΩΝ ΣΤΑ ΠΕΡΙΦΕΡΕΙΑΚΑ ΜΗΤΡΩΑ (Π.Σ.Ε.Ε.Ε.Π.Μ.)	info@psenm.com;
ΠΑΝΕΛΛΗΝΙΟΣ ΕΝΩΣΗ ΣΥΝΔΕΣΜΩΝ ΕΡΓΟΛΗΠΤΩΝ ΔΗΜΟΣΙΩΝ ΕΡΓΩΝ (ΠΕΣΕΔΕ)	info@pesede.gr;

ΠΑΝΕΛΛΗΝΙΑ ΕΝΩΣΗ ΔΙΠΛΩΜΑΤΟΥΧΩΝ ΜΗΧΑΝΙΚΩΝ ΕΡΓΟΛΗΠΤΩΝ ΔΗΜΟΣΙΩΝ ΕΡΓΩΝ (ΠΕΔΜΕΔΕ)	info@pedmede.gr;
ΣΥΝΔΕΣΜΟΣ ΕΠΙΧΕΙΡΗΣΕΩΝ ΓΙΑ ΠΟΙΟΤΗΤΑ ΚΑΙ ΑΝΑΠΤΥΞΗ ΤΩΝ ΚΑΤΑΣΚΕΥΩΝ (ΣΕΠΑΚ) (Θεσσαλονίκη)	info@sepak.gr;
ΣΥΝΔΕΣΜΟΣ ΕΠΙΧΕΙΡΗΣΕΩΝ ΓΙΑ ΠΟΙΟΤΗΤΑ ΚΑΙ ΑΝΑΠΤΥΞΗ ΤΩΝ ΚΑΤΑΣΚΕΥΩΝ (ΣΕΠΑΚ) (Αθήνα)	info@sepak.gr;
ΕΝΩΣΗ ΤΣΙΜΕΝΤΟΒΙΟΜΗΧΑΝΙΩΝ ΕΛΛΑΔΟΣ	hcia@otenet.gr;
ΕΝΩΣΗ ΧΑΛΥΒΟΥΡΓΙΩΝ ΕΛΛΑΔΑΣ	info@en-xe.gr;
ΕΛΛΗΝΙΚΗ ΕΝΩΣΗ ΑΛΟΥΜΙΝΙΟΥ (Ε.Ε.Α.)	info@aluminium.org.gr;
ΣΥΝΔΕΣΜΟΣ ΕΛΛΗΝΩΝ ΚΑΤΑΣΚΕΥΑΣΤΩΝ ΑΛΟΥΜΙΝΙΟΥ (Σ.Ε.Κ.Α.)	info@seka.org.gr;
ΣΥΝΔΕΣΜΟΣ ΜΕΤΑΛΛΕΥΤΙΚΩΝ ΕΠΙΧΕΙΡΗΣΕΩΝ (ΣΜΕ)	info@sme.gr;
ΕΝΩΣΗ ΕΛΛΗΝΙΚΩΝ ΧΥΤΗΡΙΩΝ	peter@tsirigotisxitirio.gr; (προσωπικό e-mail Προέδρου)
ΠΑΝΕΛΛΗΝΙΟΣ ΣΥΝΔΕΣΜΟΣ ΕΤΑΙΡΕΙΩΝ ΜΟΝΩΣΗΣ	info@psem.gr;
ΕΛΛΗΝΙΚΟΣ ΣΥΝΔΕΣΜΟΣ ΠΡΟΜΗΘΕΥΤΩΝ ΕΝΕΡΓΕΙΑΣ (ΕΣΠΕΝ)	info@espen.gr
ΕΛΛΗΝΙΚΟΣ ΣΥΝΔΕΣΜΟΣ ΕΜΠΟΡΩΝ & ΠΡΟΜΗΘΕΥΤΩΝ ΗΛΕΚΤΡΙΚΗΣ ΕΝΕΡΓΕΙΑΣ (Ε.Σ.Ε.Π.Η.Ε.)	info@esepie.gr
ΣΥΝΔΕΣΜΟΣ ΕΠΙΧΕΙΡΗΣΕΩΝ ΗΛΕΚΤΡΙΣΜΟΥ ΕΛΛΑΔΟΣ (ΣΕΗΕ)	ceo@dei.gr;
ΕΛΛΗΝΙΚΟΣ ΣΥΝΔΕΣΜΟΣ ΑΝΕΞΑΡΤΗΤΩΝ ΕΤΑΙΡΕΙΩΝ ΗΛΕΚΤΡΙΚΗΣ ΕΝΕΡΓΕΙΑΣ (ΕΣΑΗ)	info@haipp.gr;
ΕΝΩΣΗ ΕΛΛΗΝΙΚΩΝ ΕΠΙΧΕΙΡΗΣΕΩΝ ΘΕΡΜΑΝΣΗΣ ΚΑΙ ΕΝΕΡΓΕΙΑΣ	info@uhhe.gr;
ΕΛΛΗΝΙΚΗ ΔΕΞΑΜΕΝΗ ΣΚΕΨΗΣ ΓΙΑ ΤΗΝ ΕΝΕΡΓΕΙΑΚΗ ΟΙΚΟΝΟΜΙΑ – HELLENIC ASSOCIATION FOR ENERGY ECONOMICS (HAEE)	info@haee.gr;
ΚΕΝΤΡΟ ΑΝΑΝΕΩΣΙΜΩΝ ΠΗΓΩΝ ΕΝΕΡΓΕΙΑΣ (ΚΑΠΕ-CRES)	cres@cres.gr;
ΕΝΩΣΗ ΒΙΟΜΗΧΑΝΙΩΝ ΗΛΙΑΚΗΣ ΕΝΕΡΓΕΙΑΣ (ΕΒΗΕ)	info@ebhe.gr;
ΣΥΝΔΕΣΜΟΣ ΕΤΑΙΡΙΩΝ ΦΩΤΟΒΟΛΤΑΪΚΩΝ (ΣΕΦ)	info@helapco.gr;
ΣΥΝΔΕΣΜΟΣ ΠΑΡΑΓΩΓΩΝ ΕΝΕΡΓΕΙΑΣ ΜΕ ΦΩΤΟΒΟΛΤΑΪΚΑ (ΣΠΕΦ)	info@spef.gr; grammateiaspef@gmail.com;
ΕΛΛΗΝΙΚΟΣ ΣΥΝΔΕΣΜΟΣ ΗΛΕΚΤΡΟΠΑΡΑΓΩΓΩΝ ΑΠΟ ΑΠΕ (ΕΣΗΑΠΕ)	info@hellasres.gr;

ΠΑΝΕΛΛΗΝΙΟΣ ΣΥΝΔΕΣΜΟΣ ΕΠΕΝΔΥΤΩΝ ΦΩΤΟΒΟΛΤΑΪΚΩΝ (ΠΑΣΥΦ)	info@pasyf.gr; esp_krit@yahoo.gr;
ΕΛΛΗΝΙΚΟΣ ΣΥΝΔΕΣΜΟΣ ΣΥΜΠΑΡΑΓΩΓΗΣ ΗΛΕΚΤΡΙΣΜΟΥ & ΘΕΡΜΟΤΗΤΑΣ (ΕΣΣΗΘ)	hacchp@gmail.com;
ΕΛΛΗΝΙΚΗ ΕΠΙΣΤΗΜΟΝΙΚΗ ΕΝΩΣΗ ΑΙΟΛΙΚΗΣ ΕΝΕΡΓΕΙΑΣ (ΕΛΕΤΑΕΝ)	info@eletaen.gr;
ΕΛΛΗΝΙΚΟΣ ΣΥΝΔΕΣΜΟΣ ΜΙΚΡΩΝ ΥΔΡΟΗΛΕΚΤΡΙΚΩΝ ΕΡΓΩΝ (ΕΣΜΥΕ)	grammateia@microhydropower.gr;
ΕΛΛΗΝΙΚΗ ΕΤΑΙΡΕΙΑ ΑΝΑΠΤΥΞΗΣ ΒΙΟΜΑΖΑΣ – ΕΛΕΑΒΙΟΜ	info@hellabiom.gr;
ΡΥΘΜΙΣΤΙΚΗ ΑΡΧΗ ΕΝΕΡΓΕΙΑΣ (ΡΑΕ)	info@rae.gr;
ΔΙΑΧΕΙΡΙΣΤΗΣ ΑΝΑΝΕΩΣΙΜΩΝ ΠΗΓΩΝ ΕΝΕΡΓΕΙΑΣ & ΕΓΓΥΗΣΕΩΝ ΠΡΟΕΛΕΥΣΗΣ ΑΕ (ΔΑΠΕΕΠ)	info@dapeep.gr;
ΑΝΕΞΑΡΤΗΤΟΣ ΔΙΑΧΕΙΡΙΣΤΗΣ ΜΕΤΑΦΟΡΑΣ ΗΛΕΚΤΡΙΚΗΣ ΕΝΕΡΓΕΙΑΣ ΑΕ (ΑΔΜΗΕ)	info@admie.gr;
ΔΙΑΧΕΙΡΙΣΤΗΣ ΕΛΛΗΝΙΚΟΥ ΔΙΚΤΥΟΥ ΔΙΑΝΟΜΗΣ ΗΛΕΚΤΡΙΚΗΣ ΕΝΕΡΓΕΙΑΣ ΑΕ (ΔΕΔΔΗΕ)	infodeddie@deddie.gr;
ΔΙΑΧΕΙΡΙΣΤΗΣ ΕΘΝΙΚΟΥ ΣΥΣΤΗΜΑΤΟΣ ΦΥΣΙΚΟΥ ΑΕΡΙΟΥ ΑΕ (ΔΕΣΦΑ)	desfa@desfa.gr;
ΔΗΜΟΣΙΑ ΕΠΙΧΕΙΡΗΣΗ ΗΛΕΚΤΡΙΣΜΟΥ (ΔΕΗ)	executive.office@ppcgroup.com
ΔΗΜΟΣΙΑ ΕΠΙΧΕΙΡΗΣΗ ΑΕΡΙΟΥ ΕΜΠΟΡΙΑΣ ΑΕ (ΔΕΠΑ ΕΜΠΟΡΙΑΣ)	commercial@depa.gr;
ΔΗΜΟΣΙΑ ΕΠΙΧΕΙΡΗΣΗ ΑΕΡΙΟΥ ΥΠΟΔΟΜΩΝ ΑΕ (ΔΕΠΑ ΥΠΟΔΟΜΩΝ)	info@depanetworks.gr;
ΙΝΣΤΙΤΟΥΤΟ ΕΝΕΡΓΕΙΑΣ ΝΟΤΙΟΑΝΑΤΟΛΙΚΗΣ ΕΥΡΩΠΗΣ (ΙΕΝΕ)	secretariat@iene.gr;


Ministry of Natural Resources, Ecology, and Technical Supervision of Kyrgyz Republic
Investment Projects in the Mining Industry of Kyrgyzstan
Bishkek, Kyrgyz Republic

POTENTIAL OF CRITICAL MINERALS INDUSTRY IN KYRGYZ REPUBLIC

Pl/Zn
27 deposits of **LEAD AND ZINC**
Balance reserves:
lead 47.7 thousand tons
zinc 32.1 thousand tons.

Hg
29 deposits of **MERCURY**
42,7 thousand tons

Al
2 deposits of **ALIMINIUM**
(Nepheline syenites) with balance reserves of **199.47** million tons..

Sn
14 deposits of **TIN**
With balance reserves of 208.8 thousand tons

11 deposits of **RARE EARTHS ELEMENTS**
63,3 thousand tons

Au
179 deposits of
Gold with balance reserves of 841.4 tons.

Mo
8 deposits of
Molybdenum with reserves of 3.7 thousand tons

Cu
29 deposits of
Copper with balance reserves of 1019 thousand tons

Fe
12 deposits of
Iron with balance reserves of 1650.4 thousand tons.

U
URANIUM RESERVES
4,9
ТЫС.ТОНН

Reserves

- Tin – 208.8 thousand tons
- Tungsten – 122.8 thousand tons
- Antimony – 273.8 thousand tons
- Mercury – 42.7 thousand tons
- Beryllium - 25,247.2 tons
- Rare Earths – 63.3 thousand tons
- Aluminum – 199,470.8 thousand tons
- Gold – 1024 tons

Rare Earth elements – 1. Kutesay II and 2. Kalesay

As a result of the industrial activities of JSC "KHMS" (1942-1995), 5 tailings ponds were created. Four tailings ponds are located in the Ak-Tyuz area, and the fifth, the Buurdun tailings pond, is located 3.8 km south of the city of Orlovka.

The average particle size is 0.138 mm, and the average density is 1.65 g/cm³.

Total reserves for tailings ponds of deposits No. 1-4: 5.52 million tons.

Buurdun deposits tailings pond: 5.28 million tons.

- Deposit tailings storage facility №1
  Объёмом 0,37 тыс. м3 = 600 тыс.тн
- Deposit tailings storage facility №2
  объёмом 0,37 тыс. м3 = 600 тыс.тн
- Deposit tailings storage facility №3
  Объёмом 1,1 млн.м3 = 1,85 млн.тн
- Deposit tailings storage facility №4
  Объёмом 1,5 млн.м3 = 2,47 млн.тн
- Buurdun deposit tailings storage facility
  Volume of 3.2 million m³ = 5.28 million tons

Rare Earth elements:

Kutesay II

Kalesay

Rare earth elements
63,3 тыс.тонн
15 rare earth metals
Beryllium reserves:
11.7 thousand tons

As of 01.01.2024, the remaining reserves at the Kutessay-2 deposit are:

Zinc: 23.8 thousand tons

Molybdenum: 3.6 thousand tons

Bismuth: 3.4 thousand tons

Rare earth elements: 63.3 thousand tons

Silver: 129.9 tons

Lead: 27.5 thousand tons

Development is recommended in conjunction with the beryllium deposit "Kalesay."

Rare earth elements and critical minerals – Kyzyl-Ompol

Areas of the Kyzyl-Ompul placer group

The placer group was discovered in 1951.
It consists of five placers:

1. Bake
2. Tash-Bulak
3. Uzunsay
4. Tyunduk
5. Ottuk

Reserves of the deposit

Tash-Bulak area

As of 01.01.2024, the State Balance lists reserves of valuable components for the Tash-Bulak placer of the Kyzyl-Ompul placer group as per the following table:

Category of reserves and resources	Titanomagnetite (thousand tons)	Zr (X1000 tons)	P (tons)	Th (tons)	U (tons)
C_1+C_2	1415,65	33,31	11898,3	6879,7	2903,3
Off-balance reserves	83	0,83	600	1616,6	612
P_1	4112,4	33,8	29229,9	3338,8	1632,9
Total	5611,05	67.94	41728,2	11835,1	5148,2

Forecast resources for the entire deposit

Category of reserves and resources	Titanomagnetite (thousand tons)	P (tons)	P (tons)	Th (tons)	U (tons)
C_1+C_2 + P1 +P	12899,05	201368,2	284822,7	27692,7	11396,9

Open-pit mining of nepheline syenites at the Sandyk deposit.

Located at Djumgal district of Naryn region

Reserves of Sandyk deposit

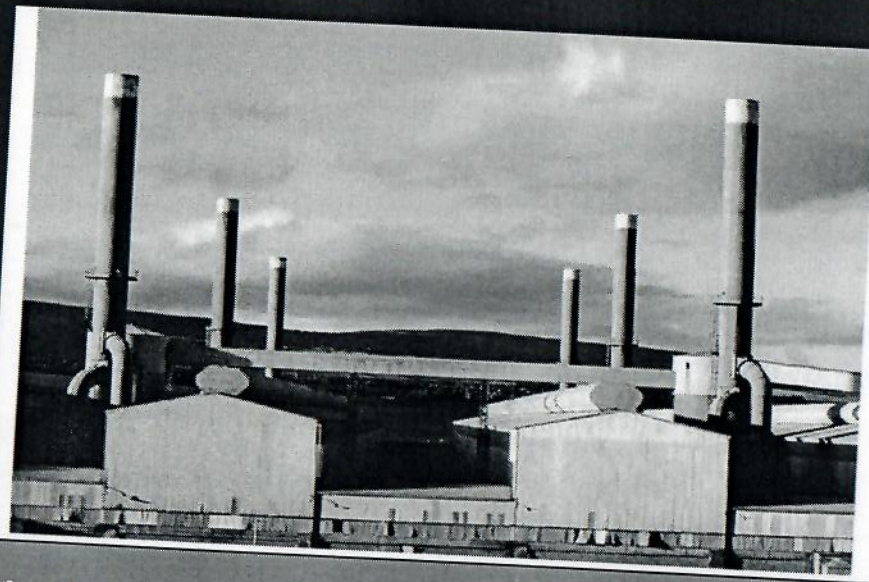
Name of area	Category of reserves and resources	Ore (Million тон)	Alumina (Million тон)	Average content
Chechekty	C_1+C_2	731.874	147.057	20,09%
Sandyksu	P1	117	20.8	17,81%
Kumbel	P1	187.2	35.8	19,16%
	Total:	1036.074	203,657	

Category of reserves and resources

located in **Kadamdzhai District**

Name of deposit	Category of reserves and resources	Boxytes and Alumina (Million тон)	Alumina (Million тон)	Content of Al2O3
Katranbashi	C_2+P_2	4.49	-	46,8%
Karangli	P_1+P_2	-	18.68	38,28%

Surface extraction of nepheline syenite at the Sandyk deposit



The implementation of this project will allow to:
- reduce both internal and external migration;
- create over 7,000 jobs at the enterprise;
- engage more than 9,000 people in the service sector;
- increase the export potential of aluminum to both near and far abroad markets.

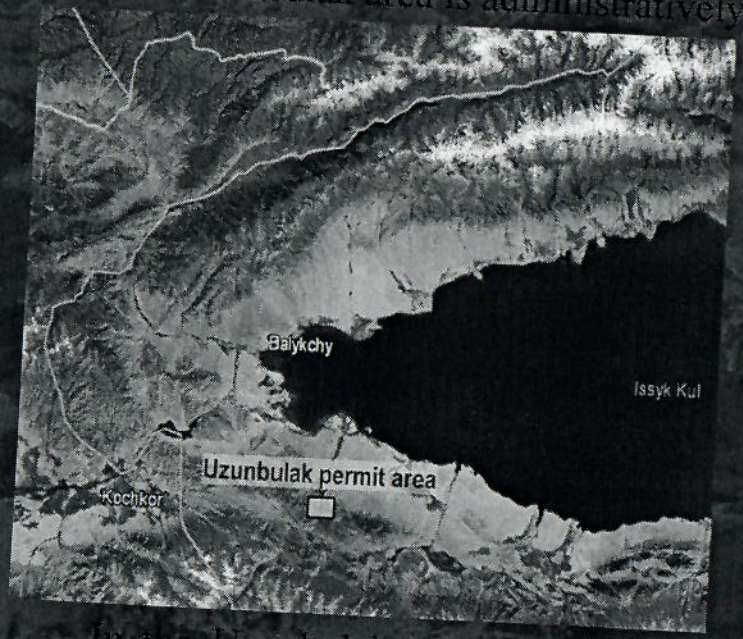
Capital investments for the development of the Sandyk deposit **9,13 billion $**	Yearly profit after ramp-up to full capacity **9,13 billion $**
Return on investment (ROI) 4,13 years	Annually in the form of tax and other contributions to the budget 279,0 million $
Create over 7,000 jobs at the enterprise	**Workers average salary** **35-40 thousand soms**

Согласно предварительному ТЭО были просчитаны экономические расчеты, подтверждающие эффективность проекта.

Uzunbulak area (lithium)

Li – 0,32 % Rb – 0,26 % In – 0,002 %

The Uzunbulak area is administratively part of the Ton district in the Issyk-Kul region.



In the Uzunbulak area, previous work has identified one lithium occurrence, two points of tin and beryllium mineralization, a medium concentration tin lithochemical anomaly, and a high concentration tin placer anomaly. Of the identified ore occurrences, the lithium occurrence, associated with a zone of greisenized metasomites, is of particular exploration interest.

Perspectives

Forecast resources in category P2:

	Block area, m².	Average grade, %.	Forecast resources (P2), tons.
Lithium	195x50	0,32	8500
Rubidium	195x50	0,26	6300
Tin	165x50	0,037	760
Beryllium	30x50	0,017	65
Indium	40x50	0,0022	11

Total forecasted lithium resources in category P3 for the Uzunbulak area:
366,767 tons.

This data provides a complete overview of the forecasted lithium reserves and resources in different categories for the Turasu area, as well as for other areas in the Uzunbulak region.

Antimony deposits

51
Sb
121.7
Antimony

The Kadamjay deposit is located in the Kadamjay District, a well-developed region, at elevations ranging from 500 to 1,200 meters, in close proximity to the city of Kadamjay.

Reserves of Kadamja deposit

Reserves (thousand tons)	Average content	Prospective resources (P1) (thousand tons)	Average content
84,0	2,04% - 5,32%	69,7	3,6 %

In addition, there are also promising, unexplored deposits of various scales.

1. **Sharkratma antimony deposit** – located in the Batken District, in a high-altitude zone at elevations of 2,660–3,512 meters. It lies in a relatively accessible area adjacent to the economically developed regions of the Batken Valley and the Tajik enclave "Vorukh".

2. **Abshir (Abshirsky) antimony ore deposit** – located in the Nookat District, on the northern slopes of the Alai Range, at elevations of 2,600–3,100 meters, in close proximity to the economically developed foothills of the Fergana Valley.

3. **Gezart North antimony deposit** – located in the Nookat District, on the northern slopes of the Alai Range, at elevations of 3,000–3,800 meters, in an undeveloped area, 5 km east of the Abshir antimony deposit.

Jetim Deposit

The Jetim deposit is located in the Naryn district of the Naryn region.

From 1979 to 1983, geological mapping at scales of 1:50,000 and 1:10,000 was carried out by the State Geological Survey (SKGE) and the Geophysical Expedition of the Geology Directorate of the Kyrgyz SSR, combined with aeromagnetometry and ground magnetotelluric surveys in the Jetim iron ore district. Simultaneously, high-precision magnetometry was conducted at 6 areas of the deposit:

- **Dangi;**
- **Tuyuksu;**
- **Airansu;**
- **Moldobashi;**
- **Teleke (North and South);**
- **Kurmenty.**

As a result of this work, over 500 magnetite and hematite ore bodies were delineated in the ore district. The forecasted iron ore resources to a depth of 500 meters are estimated at 5.4 billion tons in categories C2+P1 with an average total iron content of 31.7%, including 2.88 billion tons in category C2.

Perspectives

The forecasted iron ore resources to a depth of 500 meters are estimated as follows:

- **5.4 billion tons in categories C2+P1** with an average total **iron content of 31.7%,**
- including **2.88 billion tons in category C2.**

The area for exploration is 30,555.4 hectares

Delbek and Tutek rare earth deposits (niobium and tantalum)

1. **Delbek deposit** is located within the Batken District of the Batken Region, in the upper reaches of the Sokh River, within the Delbek stream basin. The Delbek deposit should be considered a **multi-component** deposit: in addition to tantalum, the ores contain notable quantities of **niobium, zirconium, hafnium, and yttrium**.

2. **Tutek deposit** is located within the Batken District of the Batken Region, in the upper reaches of the Sokh River, within the Tutek stream basin, which is a tributary of the Akterek River – the western branch of the Sokh River. According to the forecast resource estimates for Ta_2O_5 (Berezansky, 1992), with a combined total of **30,635 tons (Categories P1 + P2)**, the Tutek deposit should be classified as a **large-scale deposit**.

Name of object	Resourses	Remark
Delbek	**Categories P1 + P2 (forecast resources):** •**Tantalum pentoxide (Ta_2O_5):** 52.2 thousand tons	**Promising and unexplored. High-altitude zone (2,200–4,000 m), sparsely developed area.**
Tutek	**Categories P1 + P2 (forecast resources):** •**Tantalum pentoxide (Ta_2O_5):** 30.6 thousand tons •**Niobium pentoxide (Nb_2O_5):** 16.4 thousand tons •**Zirconium dioxide (ZrO_2):** 60.1 thousand tons •**Uranium (U):** 2.4 thousand tons •**Thorium (Th):** 6.5 thousand tons	**A promising, unexplored deposit located in a high-altitude zone (3,500–3,900 meters), within a sparsely developed region.**

Aprelskoe gold deposit

Reserves by areas

Name of area	Category of reserves and resources	Gold (kg)	Silver (kg)
Central	C_1+C_2	972,9	3145,1
Rodnikoviy	C_1+C_2	2135,3	10397
Medniy	C_2+P_1	14351,1	-
	Total:	**17459,3**	**13542,1**

located in the Leilek District of the Batken Region

Reserves of whole deposit

Balance reserves (Categories C1 + C2):

Gold – 3.1 tonnes

Silver – 13.5 tonnes

Preliminarily estimated reserves:

C2 – Gold: 2.2 tonnes

P1 – Gold: 12.1 tonnes

Unkurtash-Karatyube gold deposit

The Unkurtash-Karatyube area is administratively part of the Alabuka District in the Jalal-Abad Region of the Kyrgyz Republic.

The following reserves are recorded in the State Balance:

- Unkurtash deposit amount to:
  - Gold – 45,293.8 kg
  - Silver – 30.22 tons

  The reserves at the Karatyube deposit amount to:
  - Gold – 6,451.34 kg
  - Silver – 3.90 tons
- Sarytyube deposit amount to:
  - Gold – 33,840.40 kg
  - Silver – 50.869 tons
- Unkurtash-Karatyube area amount to:
  - Gold – 3,885.718 kg
  - Silver – 3.532 tons
- According to March 26, 2024, within the Unkurtash-Karatyube area, the preliminarily estimated gold reserves of Category C2 amount to 673 kg, and forecast resources of Category P1 amount to 5,831 kg.

Запасы по месторождению

Total reserves of the Unkurtash-Sarytyube-Karatyube deposit amount to:
Total reserves in Categories C1 and C2:

- Gold – 90,144.3 kg
- Silver – 88.5 tons

Forecast resources of gold:
- 5,831 kg

In Kyrgyzstan, more than 100 mining companies are engaged in the extraction and processing of minerals, including large enterprises.

Kaz Minerals
This is one of the leading copper producers. The Group's shares are listed on the London and Hong Kong stock exchanges.

JSC Kumtor Gold Company
The Kumtor deposit was discovered in 1978, and gold production began in 1997. Today, JSC "Kumtor Gold Company" is the largest enterprise and the number one taxpayer in the country. Currently, the company employs 3,335 specialists, of whom 99% are citizens of the Kyrgyz Republic.

Chaarat Gold Holdings Limited
The company conducts geological exploration work in Kyrgyzstan and is listed on the Alternative Investment Market (AIM) of the London Stock Exchange.
The company has been operating in Kyrgyzstan since 2002.

Cengiz Holding
A Turkish company is jointly developing the deposit in the Chatkal district. The company has been operating in Kyrgyzstan since 2016.

Lingbao Gold Company Limited
A Chinese state-owned corporation engaged in gold mining in Kyrgyzstan. The company has been operating in Kyrgyzstan since 2008.

Zijin Mining Group Company Ltd
An international company that conducts mining operations at the Taldy-Bulak Left Bank deposit. The company has been operating in Kyrgyzstan since 2006.

Alliance Altyn
LLC "Alliance Altyn" holds a license for the development of the Jerui gold deposit and a license for geological exploration for gold in the Jerui area.
The company has been operating in Kyrgyzstan since 2015.

JSC Kyrgyzaltyn
The largest domestic enterprise in the Kyrgyz Republic, specializing in the development of gold deposits, established in 1992.

International laboratories

STEWART ASSAY AND ENVIRONMENTAL LABORATORIES
Area of activity: Laboratory for geochemistry, ecology, and metallurgy.

Société Générale de Surveillance
SGS is a global leader in testing, inspection, and certification.

Alfred H Knight
Other professional, scientific, and technical activities.

Archi Tech
Software development for chemical analytical laboratories.

There are no laboratories like those in Kyrgyzstan in Asia.

Thank you for your attention

Address: 2, Erkindik boulevard, Kyrgyzstan

MINISTRY OF ENERGY OF
THE KYRGYZ REPUBLIC

PROSPECTIVE GREEN ENERGY PROJECTS OF THE KYRGYZ REPUBLIC

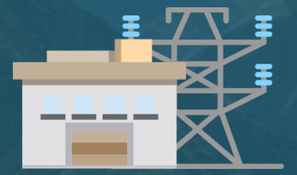
Ibrayev T.O.

ENERGY SYSTEM OF THE KYRGYZ REPUBLIC

HPP
3,155 MW

TPP
862 MW

HV lines 110-500 kV
7,500 km

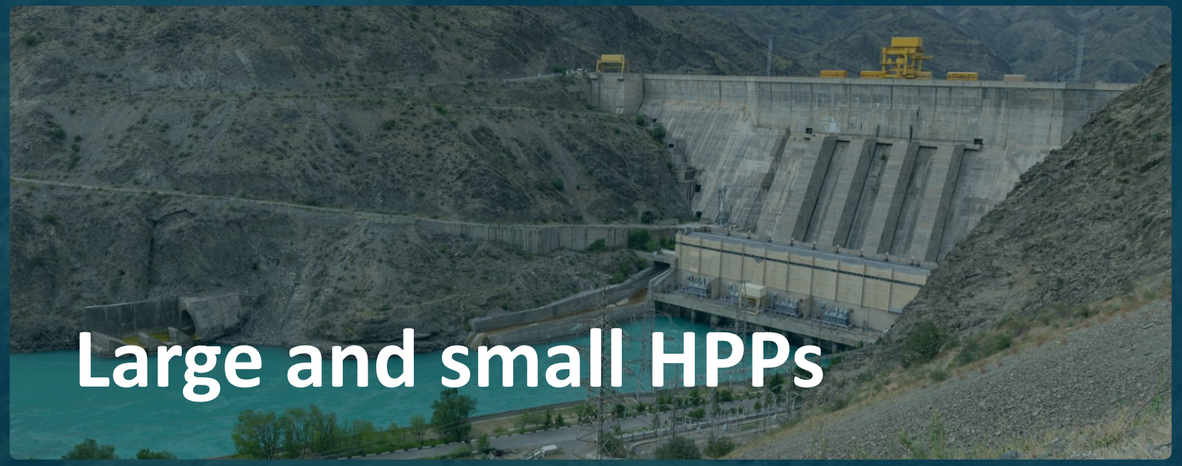


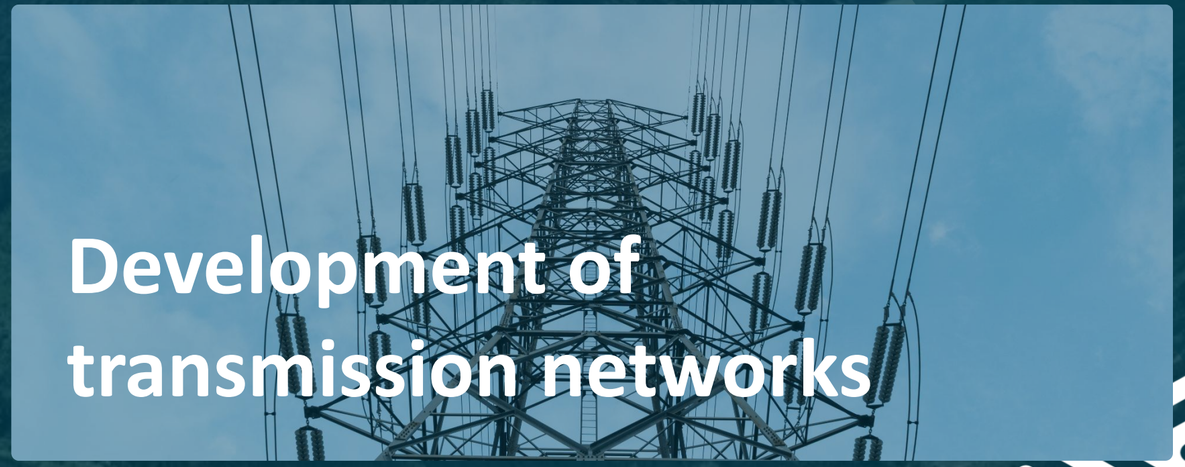
Substations 110-500 kV
200 units, 14,113 MVA

HV line 0.4-35 kV - 59,700 km
Substation & Transformers
26,649 units

- The energy system of the Kyrgyz Republic due to the geographical characteristics is clearly divided into northern and southern parts
- Both parts are connected by lines 500 kV **"Toktogul HPP – Tuleberdiyev – Frunzenskaya"** and the 500 kV **"Datka – Kemin" line** passing through the territory of the Kyrgyz Republic, as well as through the Central Asian United Energy System, covering Tajikistan, Uzbekistan and Kazakhstan
- Within the structure of electricity generation, the main share is held by hydroelectric power plants (90%), most of which are located in the south of the country
- Average annual generation: electricity - 14 billion kWh; thermal energy – 2,000 thousand Gcal

PLANNED PROJECTS





MINISTRY OF ENERGY OF THE KYRGYZ REPUBLIC

HYDROPOWER POTENTIAL

142.5
billion kWh

TOTAL HYDROPOWER POTENTIAL

LEADING POSITION IN CENTRAL ASIA IN TERMS OF HYDROPOWER POTENTIAL

13%

OF REALIZED POTENTIAL

ON THE NARYN RIVER POSSIBLE TO CONSTRUCT:

7 cascades

27 hydro power plants

6,435.4 MW
Total installed capacity

22,555 billion kWh
Average long-term annual generation

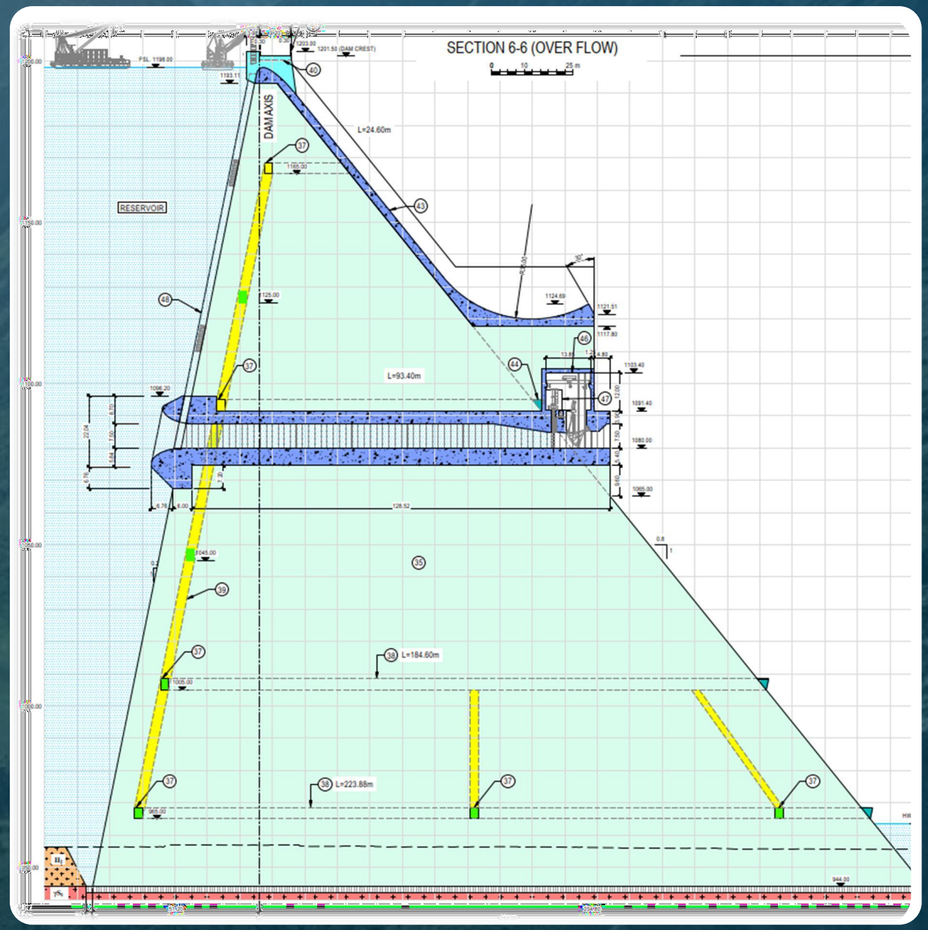
KAMBARATA HPP-1

MINISTRY OF ENERGY OF THE KYRGYZ REPUBLIC

MAIN PROJECT PARAMETERS KAMBARATA HPP-1

Installed capacity MW	1,860
Annual generation million kWh	6,000
Investments (according to the Feasibility Study) million USD	3,512
Reservoir volume million m³	5,460
Dam height m	256

Gravity dam RCCD



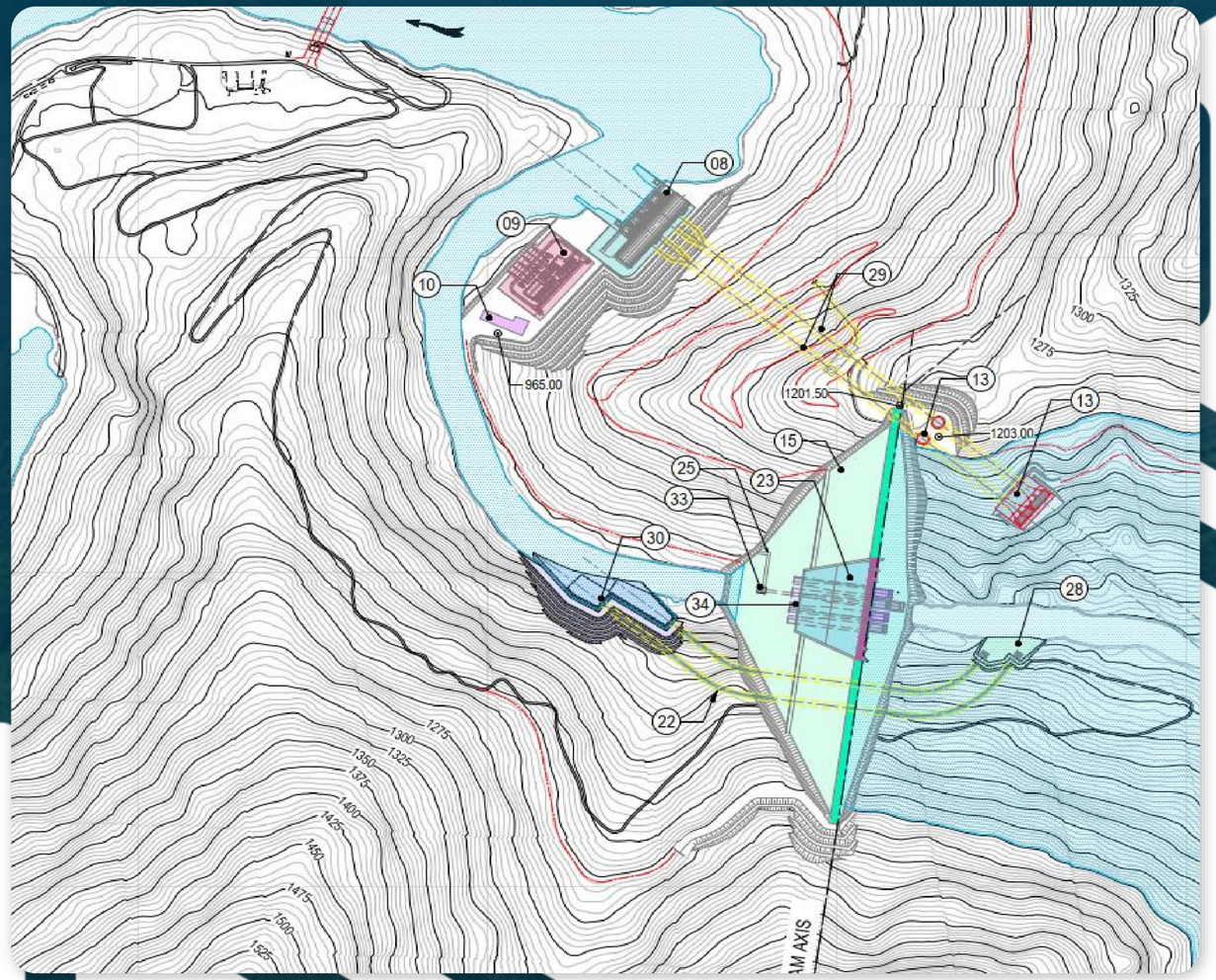
GENERAL LAYOUT

The general plan of the hydropower complex "Kambar-Ata HPP-1" includes the following:

A gravity dam constructed from roller-compacted concrete (RCC), with a maximum height of 261 m on deep foundations, featuring an uncontrolled spillway and rapid flow structures on the downstream face of the dam, as well as four medium-level outlets and one bottom outlet through the dam body. The powerhouse facility is located at the downstream toe of the dam, equipped with four turbine-generator units with a capacity of 470 MW. Water is supplied to each of the two turbine-generator installations via individual high-pressure tunnels and a shared double intake structure for the HPP

The 500 kV switchyard with gas-insulated switchgear (GIS) is located in a separate building next to the power station and connected to the 500 kV Datka-Kemin transmission line.

Two diversion tunnels are provided to divert the river chann during the construction period



ALABUGA

CASCADE OF HYDRO POWER PLANTS

MAIN INDICATORS OF THE ALABUGA HPP CASCADE

Name of HPP	Absolute Elevations of Water Levels			Reservoir capacity		Flow rates		Heads (Hydraulic Head)			Installed capacity, MW	Average Annual Electricity Generation, million kWh
	Full Supply Level (FSL), m	Dead Storage Level (DSL), m	Tailwater Level, m	Total Capacity, million m³	Active Storage, million m³	Long-Term Average Flow, m³/s	Design Flow Rate, m³/s	Max, m	Min, m	Design, m		
Arpanskaya HPP-1	2,625	2,565	2,180	310	288	18.5	40	406.5	346.5	383	**136**	556
Arpanskaya HPP-2	2,180	2,150	2,063	200	124	27.6	62.5	114.4	84.4	103.5	**58**	216.5
Makmalskaya HPP	2,063	-	1,815	27	-	27.6	55	230.8	-	230.8	**113**	464.5
Sazskaya HPP	1,815	-	1,575	19.8	-	29.1	55	223.5	-	223.5	**108**	472.9
TOTAL											**415 MW**	**1 709.9 million kWh**

CASCADE OF HPPS
ON THE AT-BASHY RIVER

MAIN INDICATORS OF THE CASCADE OF HPPs ON THE AT-BASHY RIVER

Name of HPP	Absolute Elevations of Water Levels			Reservoir capacity		Flow rates		Heads (Hydraulic Head)			Installed capacity, MW	Average Annual Electricity Generation, million kWh
	Full Supply Level (FSL), m	Dead Storage Level (DSL), m	Tailwater Level, m	Total Capacity, million m³	Active Storage, million m³	Long-Term Average Flow, m³/s	Design Flow Rate, m³/s	Max, m	Min, m	Design, m		
Taldysuyskaya HPP-1	2,720	2,700	2,575	306.5	163	16.6	20	117.2	97.2	113	20	119.5
Taldysuyskaya HPP-2	2,575	-	2,420	-	-	16.6	20	150.6	-	150.6	26.7	161
Oiterekskaya HPP-1	2,420	-	2,250	-	-	16.6	20	161.3	-	161.3	28.5	172.2
Oiterekskaya HPP-2	2,250	-	2,150	-	-	16.6	20	96	-	96	17	102.6
Akdzharskaya HPP	1,990	1,960	1,904	278.3	218	33.8	60	83	53	75.3	40	199
TOTAL											**132.2 MW**	**754.3**

KULANAK

CASCADE HPP

MAIN INDICATORS OF THE KULANAK HPP CASCADE

Name of HPP	Absolute Elevations of Water Levels			Reservoir capacity		Flow rates		Heads (Hydraulic Head)			Installed capacity, MW	Average Annual Electricity Generation, million kWh
	Full Supply Level (FSL), m	Dead Storage Level (DSL), m	Tailwater Level, m	Total Capacity, million m^3	Active Storage, million m^3	Long-Term Average Flow, m^3/s	Design Flow Rate, m^3/s	Max, m	Min, m	Design, m		
At-Bashy HPP (Naryn river discharge)	1,997		1,830.3			84.5	105	145.8		145.8	135	756.7
Aktalinskaya HPP	1,742		1,713.5	24		141.6	160	26.8		26.8	38	238.9
Zhylan-Aryk HPP-1	1,713.3		1,652			141.3	160	56.5		56.5	80	503
Zhylan Aryk HPP-2	1,651.8		1,578.1			141.1	160	69.5		69.5	98.6	503
TOTAL											351.6 MW	2,001.6 million kWh

ORUKTAM HPP CASCADE
IN THE UPPER REACHES OF THE NARYN RIVER

MAIN INDICATORS OF THE ORUKTAM HPP CASCADE ON THE NARYN RIVER

Name of HPP	Absolute Elevations of Water Levels			Reservoir capacity		Flow rates		Heads (Hydraulic Head)			Installed capacity, MW	Average Annual Electricity Generation, million kWh
	Full Supply Level (FSL), m	Dead Storage Level (DSL), m	Tailwater Level, m	Total Capacity, million m^3	Active Storage, million m^3	Long-Term Average Flow, m^3/s	Design Flow Rate, m^3/s	Max, m	Min, m	Design, m		
Oruktam HPP-1	2,600	2,550	2,480	561.3	431	35.9	70	118.5	68.5	97	60	254.3
Oruktam HPP-2	2,480			30		35.9	70				48	225.9
Dzhanikelskaya	2,500	2,440	2,315	450.2	325.2	35.9	84	180.4	120.4	141.3	100	434
TOTAL											**208 MW**	**914.2 million kWh**

CHATKAL HYDRO POWER PLANT

MINISTRY OF ENERGY OF THE KYRGYZ REPUBLIC

CHATKAL HPP PROJECT

Location :
Chatkal district, Jalal-Abad region

- Average annual flow rate: 75.6 m³/sec
- Height: 180 m
- Volume: 860 million m³
- Length: 10 km
- Area for construction: 1,600 ha
- Installed capacity: 251 MW
- Average annual generation: 1.68 billion kWh
- Construction period: 5 years
- Equity capital investments: 2,500 $/kW

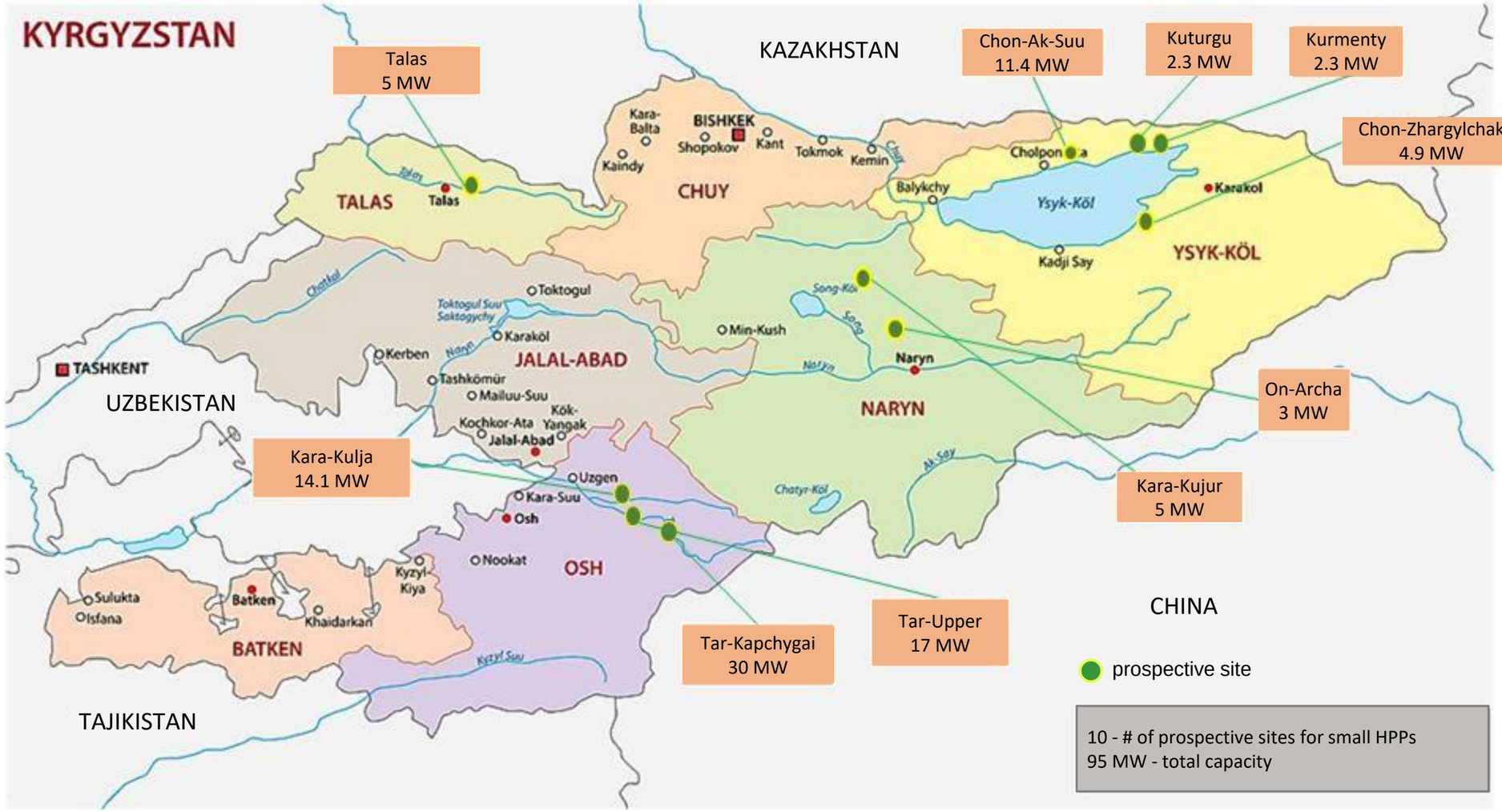
SARY-JAZ CASCADE

MINISTRY OF ENERGY OF THE KYRGYZ REPUBLIC

CONSTRUCTION OF 6 HYDRO POWER PLANTS ON THE SARY-JAZ RIVER

Total project cost	2.2–3 billion US dollars
Project construction site	Kyrgyz Republic, Issyk-Kulregion, Ak-Suu district
Installed capacity, MW	Total cascade capacity – 1,100 MW Kuylyuk HPP – 170 MW; Enilchek HPP – 60 MW Kaindy-Enilchek HPP – 20 MW; Ak-Shyirak HPP – 350 MW Kok-Shaal HPP – 250 MW; Kuyukap HPP – 250 MW
Average annual generation, million kWh	Over 4,760 million kWh
Project impact on the environment	As there are conservation areas and specially protected natural territories in the Sary-Jaz river basin, an Environmental Impact Assessment is necessary

PROSPECTIVE SITES FOR THE CONSTRUCTION OF SMALL HPPS



PROSPECTIVE SITES FOR SMALL HPPS

No.	Name of site/river	Capacity, MW	Waterflow, m^3/sec	Head, m	Annual electricity generation, million kWh	Location
1	Tar Kapchygai	30	97.0	40	121.0	Osh region, Kara-Kulja district, Tar River
2	Tar Upper	17	75.0	27	67.0	Osh region, Kara-Kulja district, Tar River
3	Kara-Kulja	14.1	20	90	85.5	Osh region, Kara-Kulja district, river Kara-Kulja
4	Chon-Ak-Suu	11.4	5	260	63.4	Issyk-Kul region, Issyk-Kul district, river Chon-Ak-Suu
5	Talas	7	18.5	43	36.7	Talas region, Talas district, river Talas
6	Chon-Zhargylchak	4.9	2.27	316	30	Issyk-Kul region, Jeti-Oguz district, river Chon-Zhargylchak
7	Kara-Kujur	5	10	37	20.5	Naryn region, Kochkor district, river Kara-Kujur
8	On-Archa	3	12.0	32	17.7	Naryn region, Naryn district, river On-Archa
9	Kuturgu	2.3	1.06	241	11.89	Issyk-Kul region, Tyup district, river Kuturgu
10	Kurmenty	2.3	1.05	281	11.9	Issyk-Kul region, Tyup district, river Kurmenty

RENEWABLE ENERGY SOURCES POTENTIAL

2,100–2,900 h

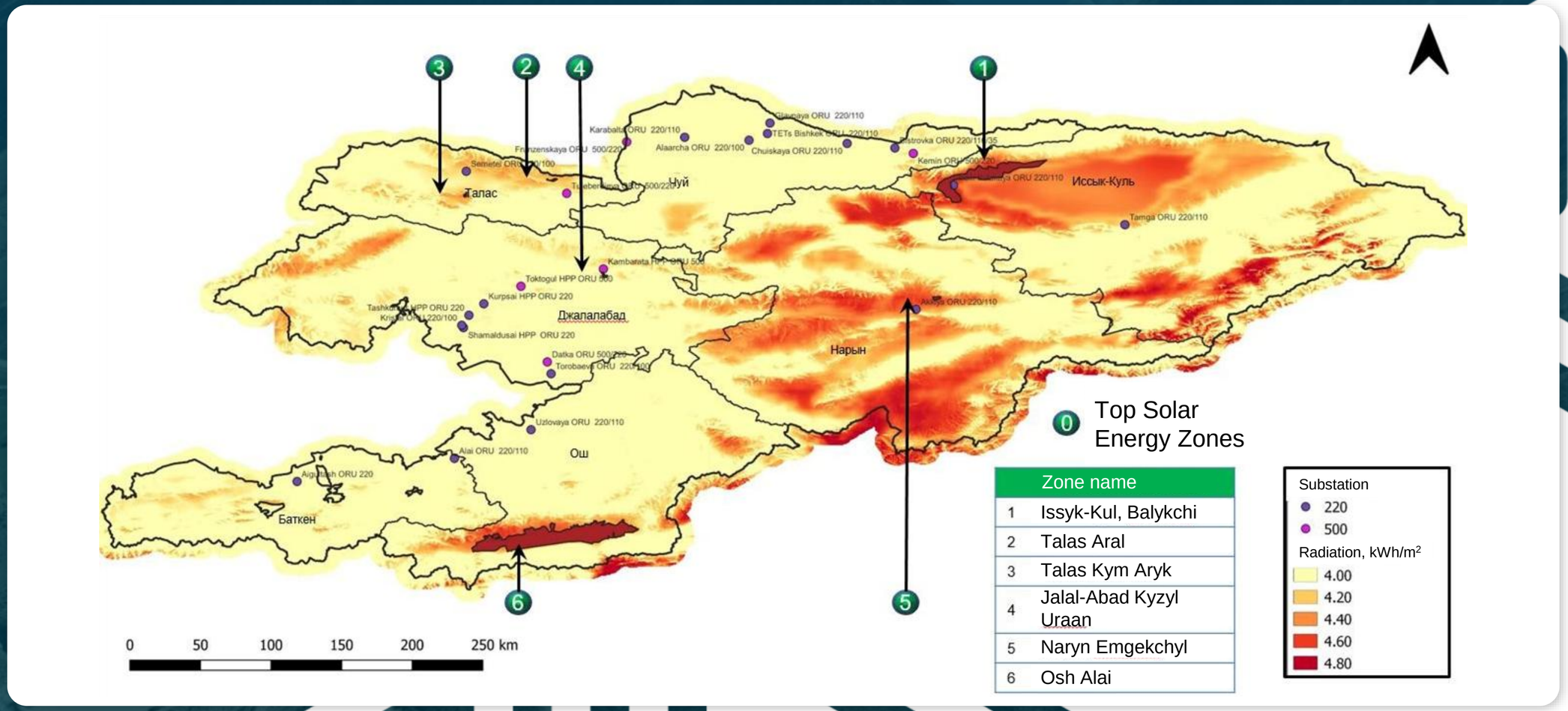
Average annual duration of sunshine

Annual irradiation on the surface **1,700 kWh/m²**

2 billion kWh

Wind energy potential

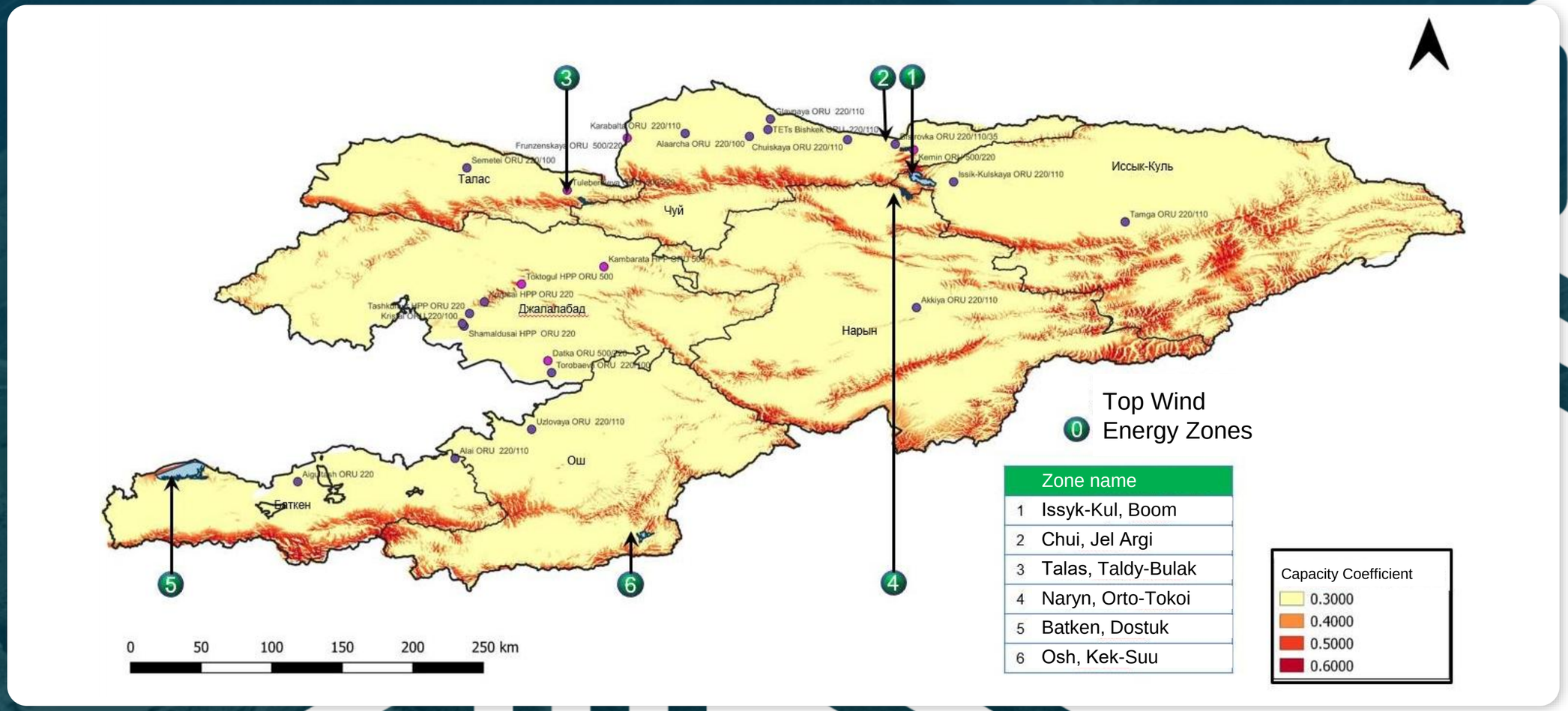
POTENTIAL ZONES FOR CONSTRUCTION OF SOLAR POWER PLANTS



	Zone name
1	Issyk-Kul, Balykchi
2	Talas Aral
3	Talas Kym Aryk
4	Jalal-Abad Kyzyl Uraan
5	Naryn Emgekchyl
6	Osh Alai

Substation
220
500
Radiation, kWh/m^2
4.00
4.20
4.40
4.60
4.80

POTENTIAL ZONES FOR THE CONSTRUCTION OF WIND POWER PLANTS



DEVELOPMENT OF HIGH-VOLTAGE NETWORKS FOR RECEIVING AND TRANSMITTING POWER FROM RENEWABLE ENERGY SITES

Projects for reconstruction and modernization	Project cost	Implementation period
Construction 220/110/10 kV substation in Uchkun, AT 2*125 MVA, connection to 220 kV transmission line Kemin–Ala-Archa	34.5 million $ (substation)+2.82 million $ (transmission line)	2026–2027
Construction 220 kV transmission line Tamga–Karakol and 220/110/10 kV Substation Karakol with installation of AT 2*125 MVA near Chelpek village and Karakol city	34.5 million $ (substation) + 12.69 million $ (transmission line)	2026–2028
Construction 500/220/10 kV substation Bishkek, AT 2*501 MVA, construction of 500 kV transmission line Frunzenskaya–Bishkek–Kemin	148.13 million $ (substation) + 156 million $ (transmission line)	2028–2030
Construction of 220/110/10 kV substation Isanov with two ATs of 125 MVA and 220 kV transmission line Datka–Uzlovaya-1, 2	34.5 million $ (substation) + 1.4 million $ (transmission line)	2026–2027
Construction of 500 kV substation Balykchy and 500 kV transmission line Kemin–Balykchy	193.5 million $	2028–2030
Construction of 500 kV transmission line Kemin–Torugart	218 million $	2028–2030
Conversion 110/35/10 kV substation Alamedin to 220 kV with two ATs of 125 MVA and construction of 220 kV transmission line Bishkek 500–Alamedin-1, 2	34.5 million $ (substation) + 1.9 million $ (transmission line)	2028–2030

NOTE: For the integration of renewable energy sources into the energy system, it is necessary to implement investment projects and increase the transmission capacity of substations and transmission lines

INCREASING THE TRANSMISSION CAPACITY OF SUBSTATIONS AND TRANSMISSION LINES

Facility name	Costs, million KGS	Note
Main substation construction, 3rd stage, AT 250 MVA	315	**The increase in capacity will be 745 MVA — accordingly, an increase in capacity on the part of the 110/35/10/0.4 kV side by 745 MVA is required** **Costs for the 110 kV substation: 5.8 billion KGS** **Costs for 10/0.4 kV transformer substations: 1.64 billion KGS**
Replacement of 110 kV overhead line wire Main–Kyzyl-Asker-1, 2 with a larger cross-section (240 mm²)	10.4	
Replacement of 110 kV overhead line wire CHP–Parkovaya-1, 2 with a larger cross-section (240 mm²)	8.1	
Kara-Balta substation – replacement of 3 ATs with 200 MVA units	450	
Replacement of 220 kV overhead line wire Kemin–Chui with a larger cross-section (400 mm²)	74.1	
Issyk-Kul substation – replacement of 2 ATs with 250 MVA units	300	
Replacement of 110 kV overhead line wire Issyk-Kul–Cholpon-Ata-1, 2 and 110 kV Cholpon-Ata–Ananyevo with a larger cross-section (300 mm²)	104	
Replacement of 220 kV overhead line wire Issyk-Kul–Tamga with a larger cross-section (400 mm²)	210.2	

INCREASE OF TRANSMISSION CAPACITY OF SUBSTATIONS AND TRANSMISSION LINES

Facility name	Costs, mln. KGS	Remarks
Torobaeva substation, replacement of 3 AT to 200 MVA	450	**The increase in capacity will be 600 MVA - accordingly, an increase in capacity on the part of the 110/35/10/0.4 kV side by 600 MVA is required** **Costs for the construction of 110 kV substations: 4.7 billion KGS** **Costs for the construction of 10/0.4 kV transformer substations: 1.3 billion KGS**
Construction of the second 110 kV overhead line Torobaev-Kara-Suu (185 mm2)	60.1	
Alai substation replacement of AT-2 with 125 MVA	130	
Aigul-Tash substation construction of the 2nd stage of AT	150	
Replacement of 220 kV Uzlovaya–Alai transmission line conductor with larger cross-section	96.5	

STATE SUPPORT (PREFERENCES)

01 Protection of foreign investments

02 Assistance in obtaining licenses, permits, and approvals, including allocation of land

03 Equal conditions of operation for foreign and local companies

04 Opportunities for extensive cooperation within the framework of PPP

05 Available qualified personnel

06 Exemption for import of equipment for construction of renewable energy facilities

07 Payment in foreign currency

08 Guaranteed tariff for green energy projects

MINISTRY OF ENERGY OF
THE KYRGYZ REPUBLIC

WE INVITE YOU TO INVEST IN THE ENERGY SECTOR OF THE KYRGYZ REPUBLIC!

Ibrayev T.O.