SOBT HOLDING

Mongolia’s mining industry is the backbone of its economy, contributing a significant share to national GDP and driving growth across critical mineral, coal and energy sectors.

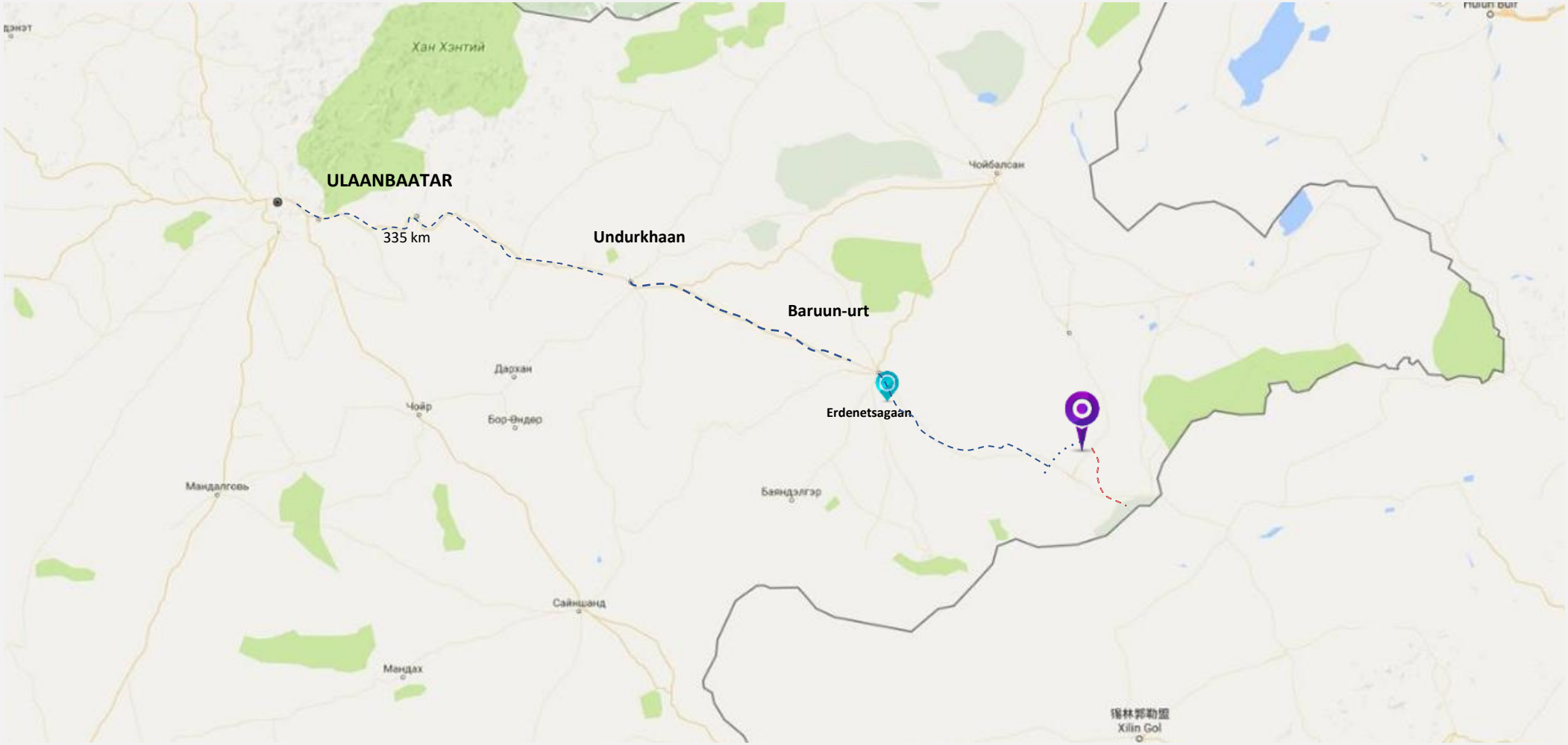
ARBAYAN

LITHIUM, TUNGSTEN

PROJECT SUMMARY

Location:	Erdenetsagaan soum, Sukhbaatar
Production capacity:	Lithium Carbonate 15000 tons/year Tungsten Concentrate 3500 tons/year
Mine life cycle:	25 years
Required investment:	$ 400 million

PROJECT LOCATION



55 km from Chinese border

40km from grid power line

Water source available

5 km from RS-MNG-CHN railway (expected from 2025)

RESOURCE STATEMENT

The JORC compliant Mineral resource estimate report prepared by RPM identifies the following resource estimates.

RESOURCE ESTIMATE

MINERAL		RESOURCE (metric tons)	METAL RECOVERY RATE
TUNGSTEN	WO_3	46,671	85%
LITHIUM	Li_2O	250,714	75%
RUBIDIUM	Rb	89,040	70%

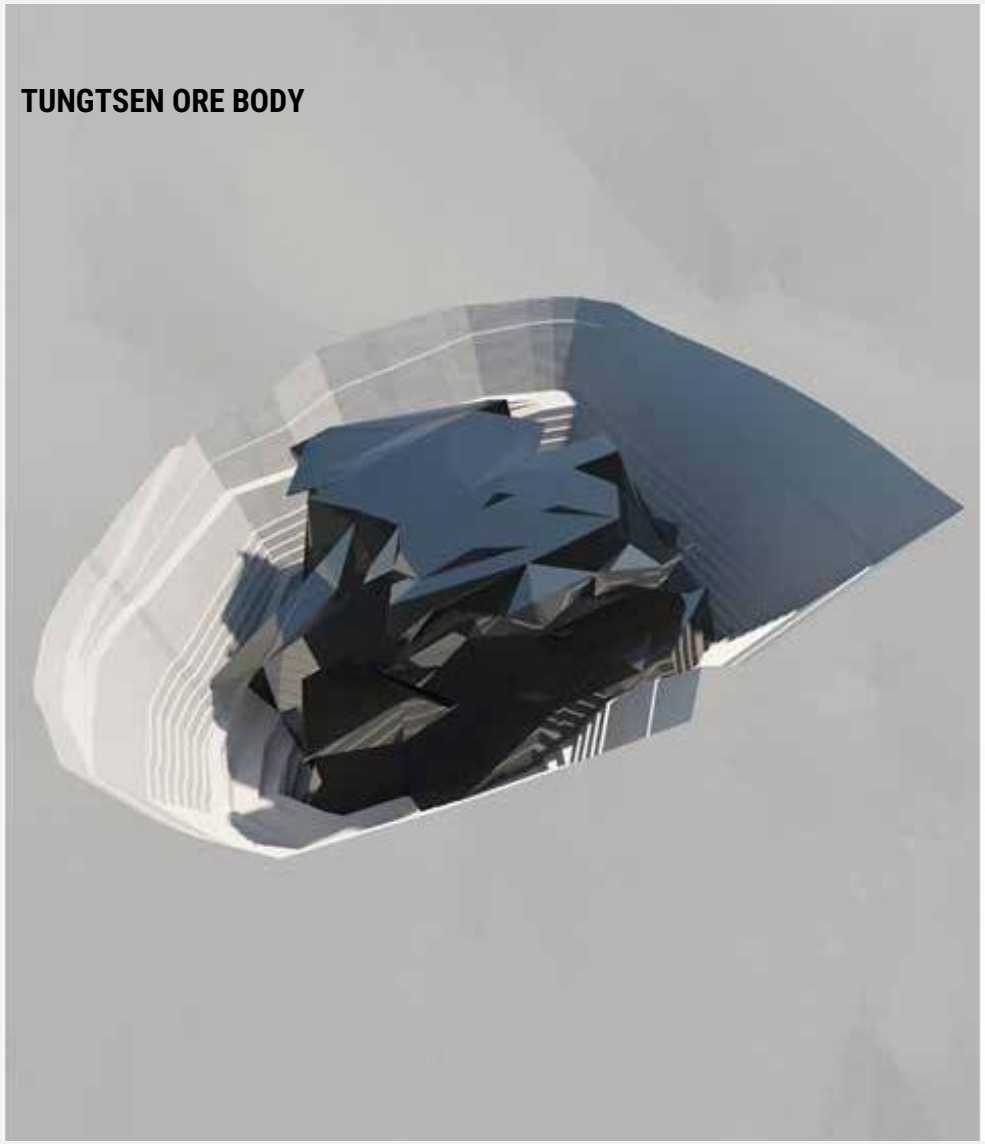
The above JORC compliant Mineral resource estimates are based on over 16,000 meters of drilling samples obtained from extensive drilling program to an average depth of 250 meters.

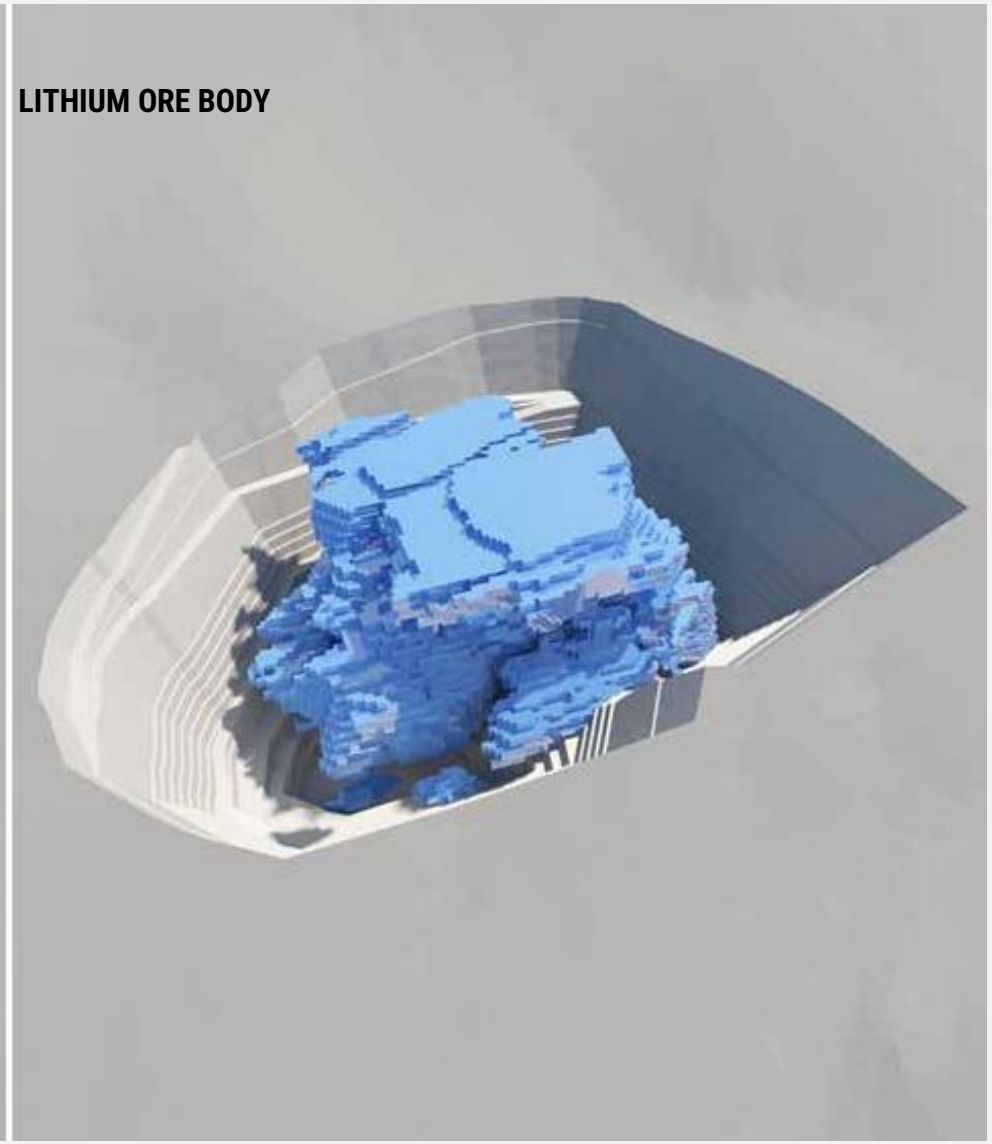
SOBT expects a significant upside review of the lithium resources with the update of its Scoping/Pre-feasibility Study as the technology for lithium extraction advances and the prices skyrocketed.

Drilling was also undertaken to a depth of over 500 meters and in the broader lithium zone area. the minerals continued to be identified in an increasing concentration down to this 500-meter level and in this broader lithium-bearing area.

The following are the recovery rates as identified by RPM, Anzaplan Germany, and Strategic Metallurgy Australia.

RESOURCE STATEMENT



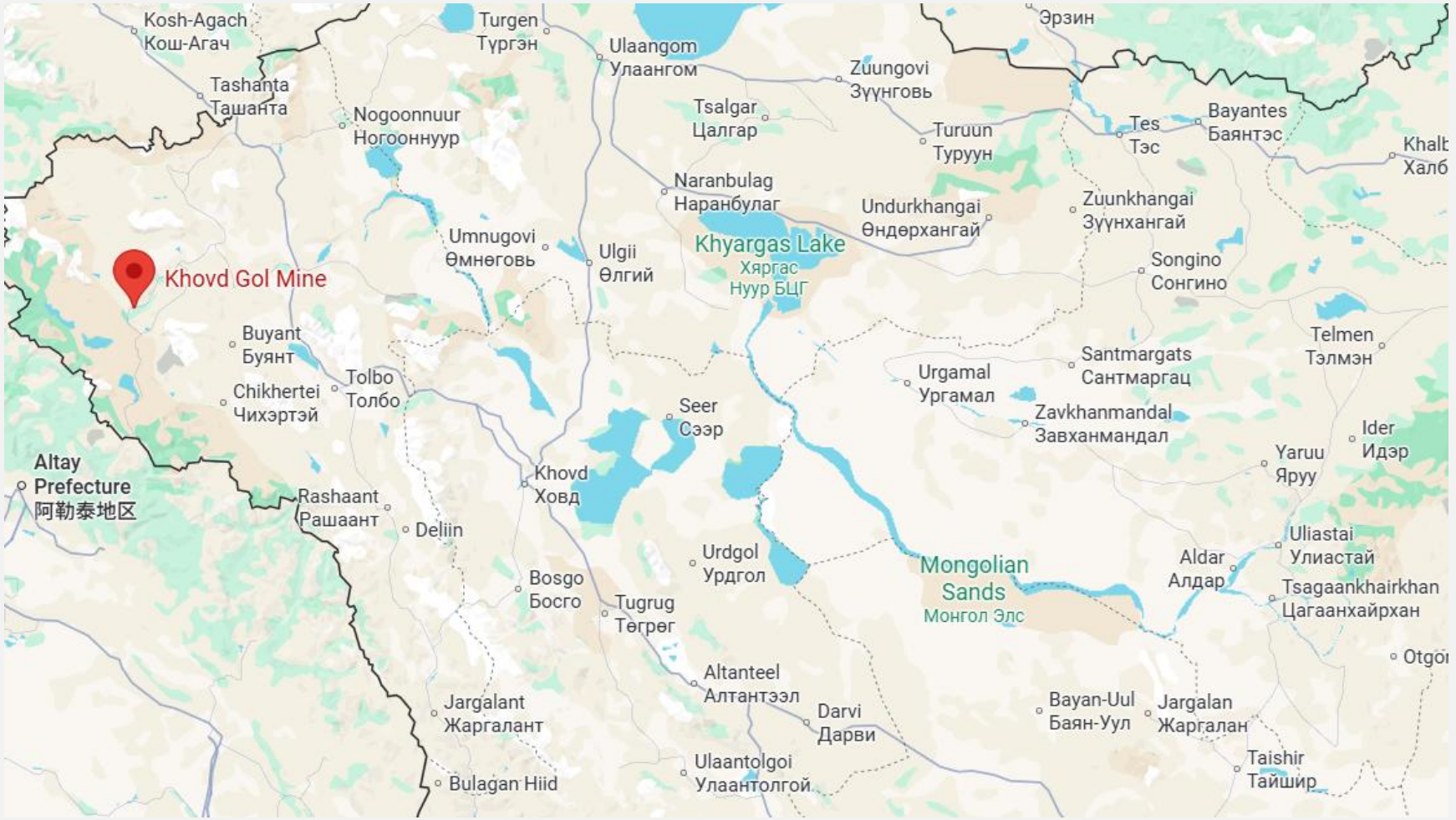


KHOVD GOL

TUNGSTEN

Location:	Tsengel soum, Bayan-Ulgii
Production capacity:	Tungsten Concentrate 1500 tons/year
Mine life cycle:	10 years
Required investment:	$ 10 million

PROJECT LOCATION



55 km from Chinese border

15kW grid line available

Water source available

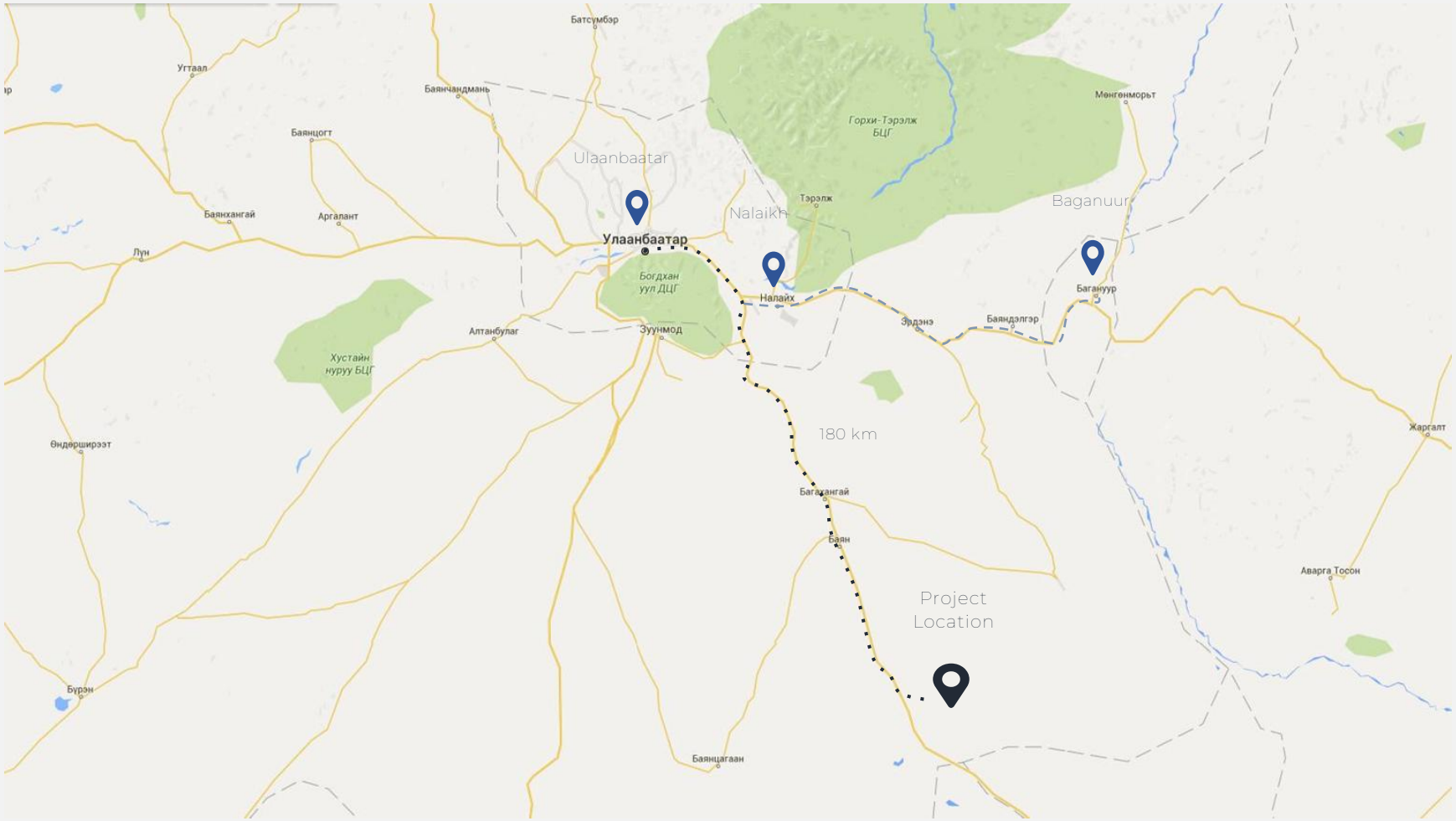
CURRENT INVESTMENT

- Mining workers' accommodation /150 people/
- Office building
- Mechanical and repair workshop
- Processing plant
- 150 tn ore
- 1.5-5 tn concentrate

35 km of 15 kW power line

TUGRUG NUUR POWERPLANT

PROJECT LOCATION



180 km from Ulaanbaatar

Water source available

60 km from RS-MNG-CHN railway.

PROJECT SUMMARY

Location:	Bayan Soum, Tuv province
Coal Reserve:	51.5 mln/tn Thermal coal
Production capacity:	300 MW
Project life cycle:	27 years
Mining area:	352.97 ha
Plant area:	60 ha

PROJECT PRODUCTION RESOURCES AND UTILIZATION

The Galbayan part of the Tugrug nuur lignite deposit is planned to be operated in 5 stages using the open pit mining system in the feasibility study.

Amount of soil to be removed – 124.9 million/m3
Extractive production resources – 40.5 million/ton
The annual capacity of the mine – 1.5 million/ton
Duration of the project – 27 years

Works	Unit	Opening pit	1st year	2nd year	3-5 year	6-10 year	11-27 year	Total
Stripping soil	Th.m3	2,664.85	2,189.89	2,190.41	6,581.84	25,841.81	85,460.80	124,929.60
Coal	Th.t	492.64	1,510.53	1,506.86	4,509.52	7,500.20	24,891.51	40,411.26
Waste	%	3.39	3.39	3.39	3.39	3.39	3.39	3.39
Pollution	%	3.77	3.77	3.77	3.77	3.77	3.77	3.77
Coal to excavate	Th.t	494.50	1,516.24	1,512.55	4,526.56	7,528.54	24,985.55	40,563.93
Stripping ratio	Th.m3	5.41	1.45	1.45	1.46	3.45	3.43	3.09

PROJECT INFORMATION

The project aims to supply electricity to the Central Energy System of Mongolia, addressing existing power shortages and improving the reliability of energy supplying the Gobi and southeastern regions.
The power plant will utilize coal from the Togrog Nuur deposit, employing Circulating Fluidized Bed (CFB) combustion technology suitable for this coal type.
The plant is designed with two boilers each producing 529 t/h of steam, and two 150 MW condensing turbines, forming a two-unit block configuration.
Total Installed Capacity: 300 MW
Generated electricity will be supplied to the Central Energy System (CES).
Fuel Supply and Operational Parameters
Operational life: 30 years
Annual operating hours: 7,000 hours per year
Fuel source: Galbayan coal mine, located approximately 3 km from the power plant
Coal transportation: Via belt conveyor from the mine to the plant’s coal storage yard
Average coal calorific value: 3,300-5,000 kcal/kg
Coal consumption:
Per block: 103.9 tons/hour
Two blocks combined: 1,453.978 thousand tons per year
Over the 30-year project lifespan: 43,619.4 thousand tons

МОНГОЛ УЛС
ЭРЧИМ ХҮЧНИЙ ЗОХИЦУУЛАХ ХОРОО

ТУСГАЙ ЗӨВШӨӨРӨЛ

Дугаар: 01/2024

Оноосон нэр: “Повер ван глобал лимитед” ХХК

Хаяг, байршил: Улаанбаатар хот, Сүхбаатар дүүрэг, 1-р хороо, Энхтайваны өргөн чөлөө, UBH тов, 904 тоот

Регистрийн дугаар: 5787378

Эрхлэх аж ахуйн үйл ажиллагааны төрөл: Эрчим хүчний барилга байгууламж - Төв аймгийн Баян сумын нутаг дэвсгэрт 270 МВт-ын хүчин чадалтай дулааны цахилгаан станц барих

Үйлчлэх хүрээ: Төвийн бүсийн нэгдсэн сүлжээ

Тусгай зөвшөөрлийн огноо: 2024 оны 03 дугаар сарын 26-ны өдөр

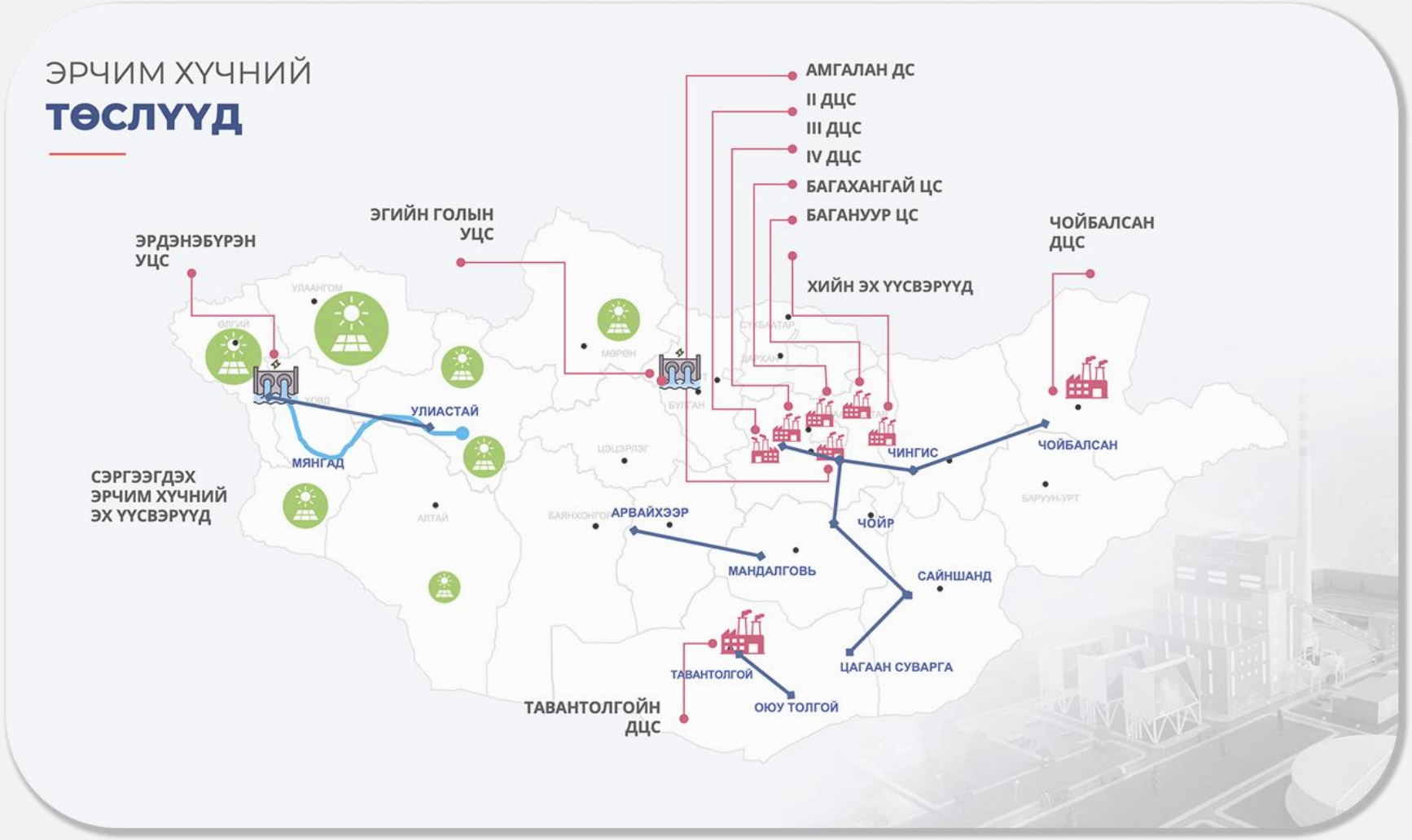
Хүчинтэй хугацаа: 2029 оны 03 дугаар сарын 26-ны өдрийг хүртэл

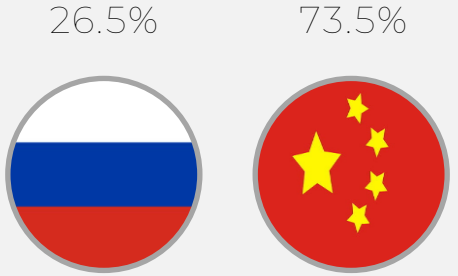
*Эрчим хүчний зохицуулах хорооны **2024 оны 3 дугаар сарын 26-ны өдрийн 311** дугаар тогтоолоор сунгав.*
Энэхүү тусгай зөвшөөрөл нь олгосон өдрөөс эхлэн хүчин төгөлдөр болох бөгөөд тогтоолын хавсралтад тусгасан нөхцөл, шаардлагууд нь тусгай зөвшөөрлийн салшгүй хэсэг байна. Тусгай зөвшөөрлийг бусдад худалдах, бэлэглэх, барьцаалах зэргээр шилжүүлэхийг хориглоно.

С.Ганбаатар гаргасан

ХОРООНЫ ДАРГА Э.ТҮВШИНЧУЛУУН

POWER SUPPLY AND DEMAND





Total Electricity
10,975.9

Domestic electricity
8,582.3

Import
2,2447.6

Million kWh

Thank you

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