

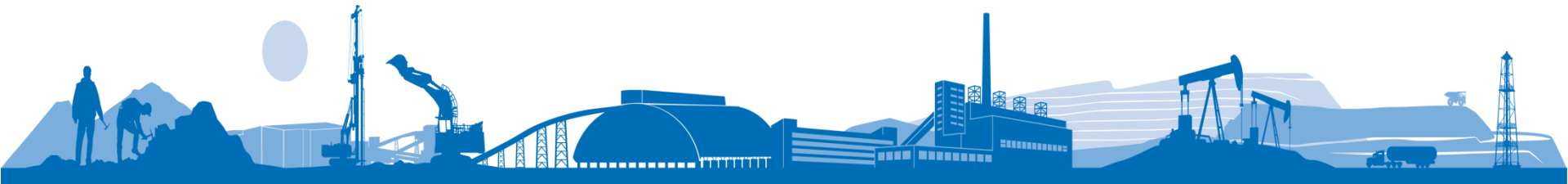
# MINERAL RESOURCES AND PETROLEUM AUTHORITY OF MONGOLIA

**Mongolia coal sector  
(current update)**

Mr. Kh. Anar

Head of Division for Heavy industry

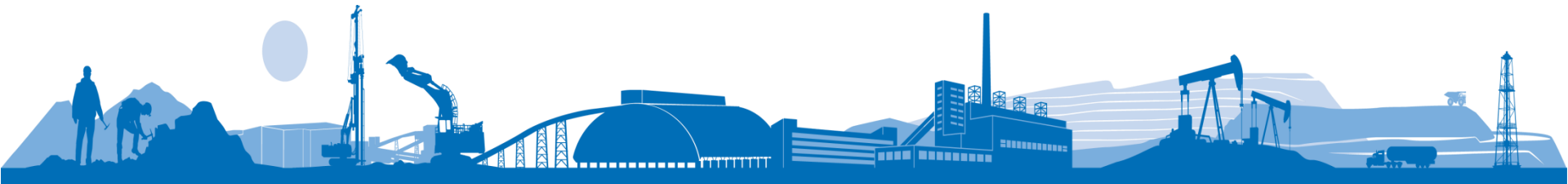
2021-02-09





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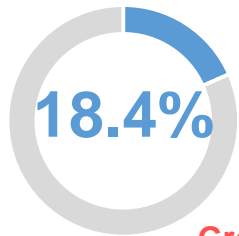




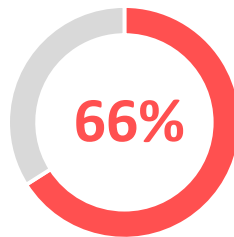
# Impact of mining sector to the economy of Mongolia

Statistics by Oct 2020

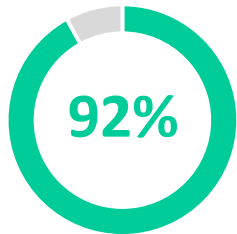
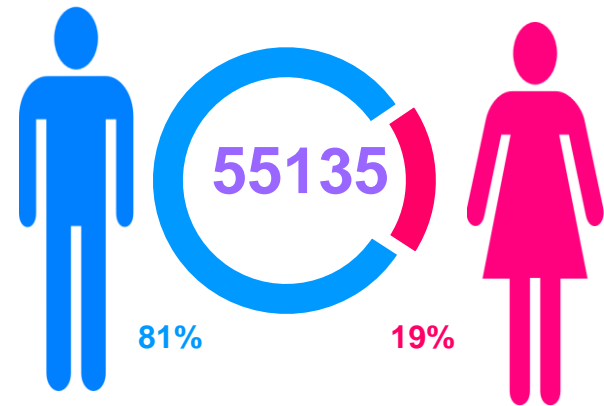
GDP



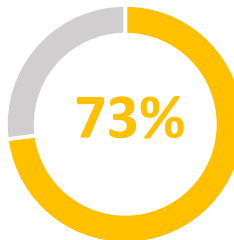
Gross industrial product



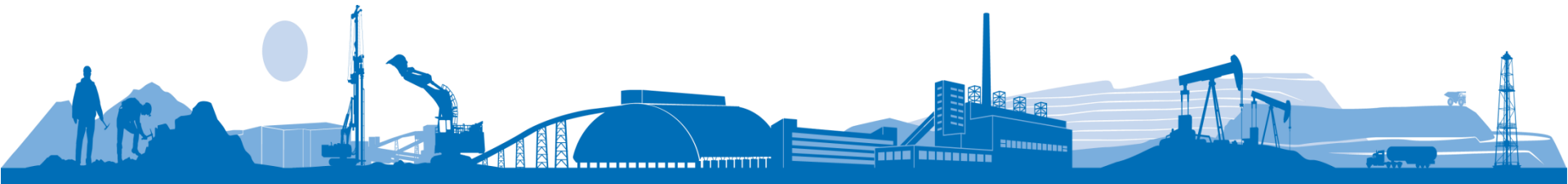
Workers



Export

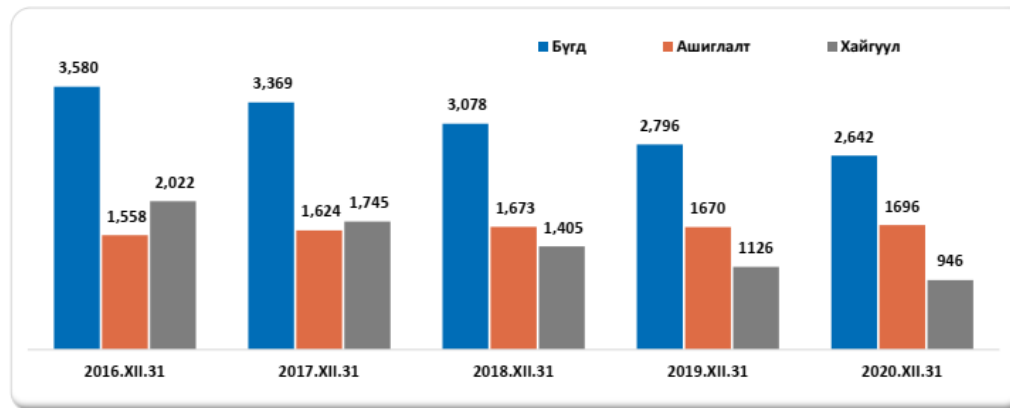


Direct foreign investment



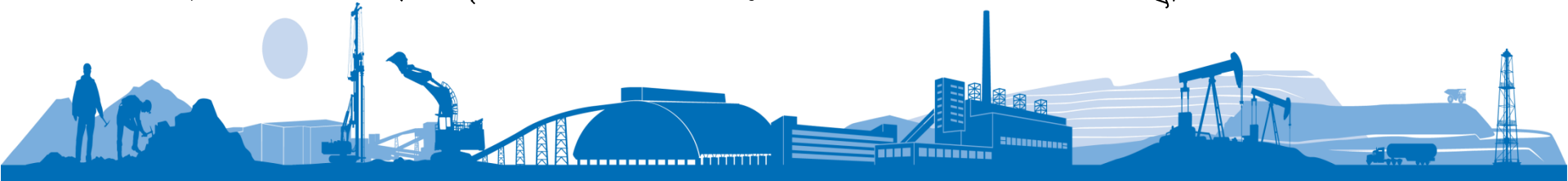
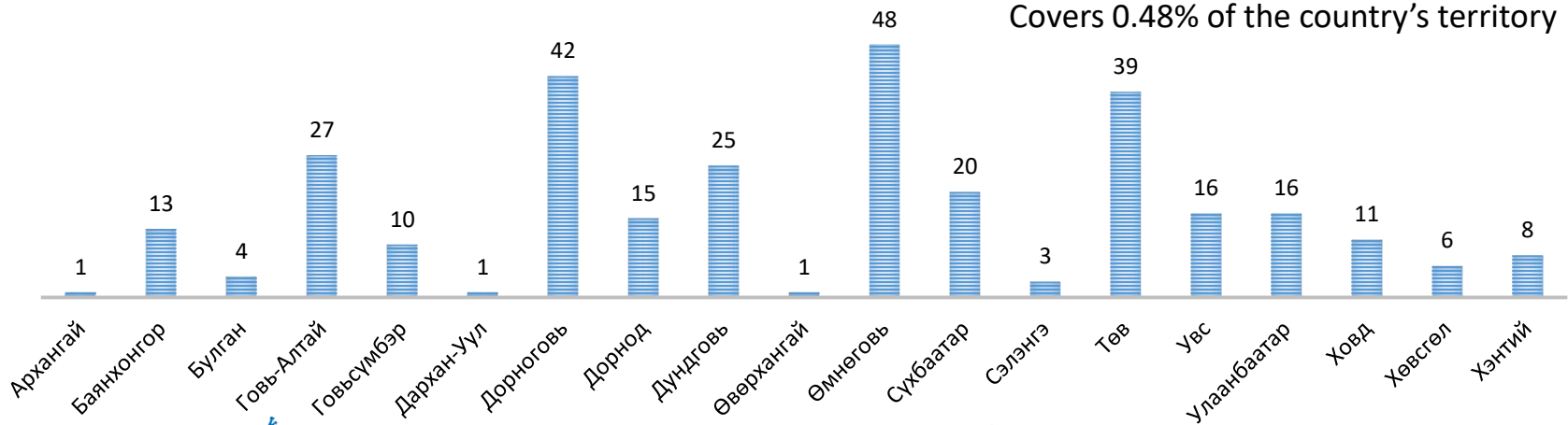


## Licensing



**179 enterprises**  
**307 licenses**

Covers 0.48% of the country's territory





## Coal reserves

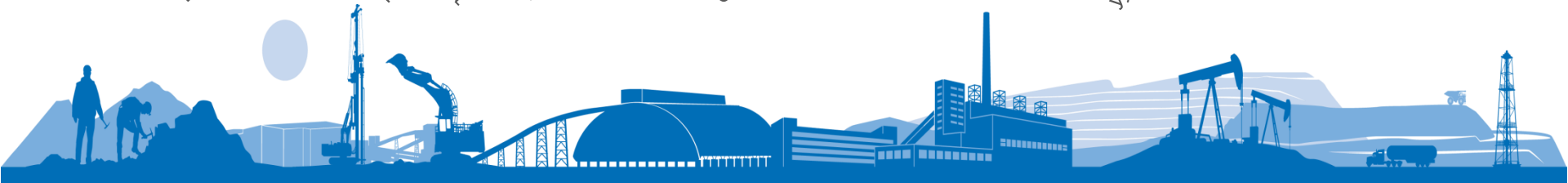
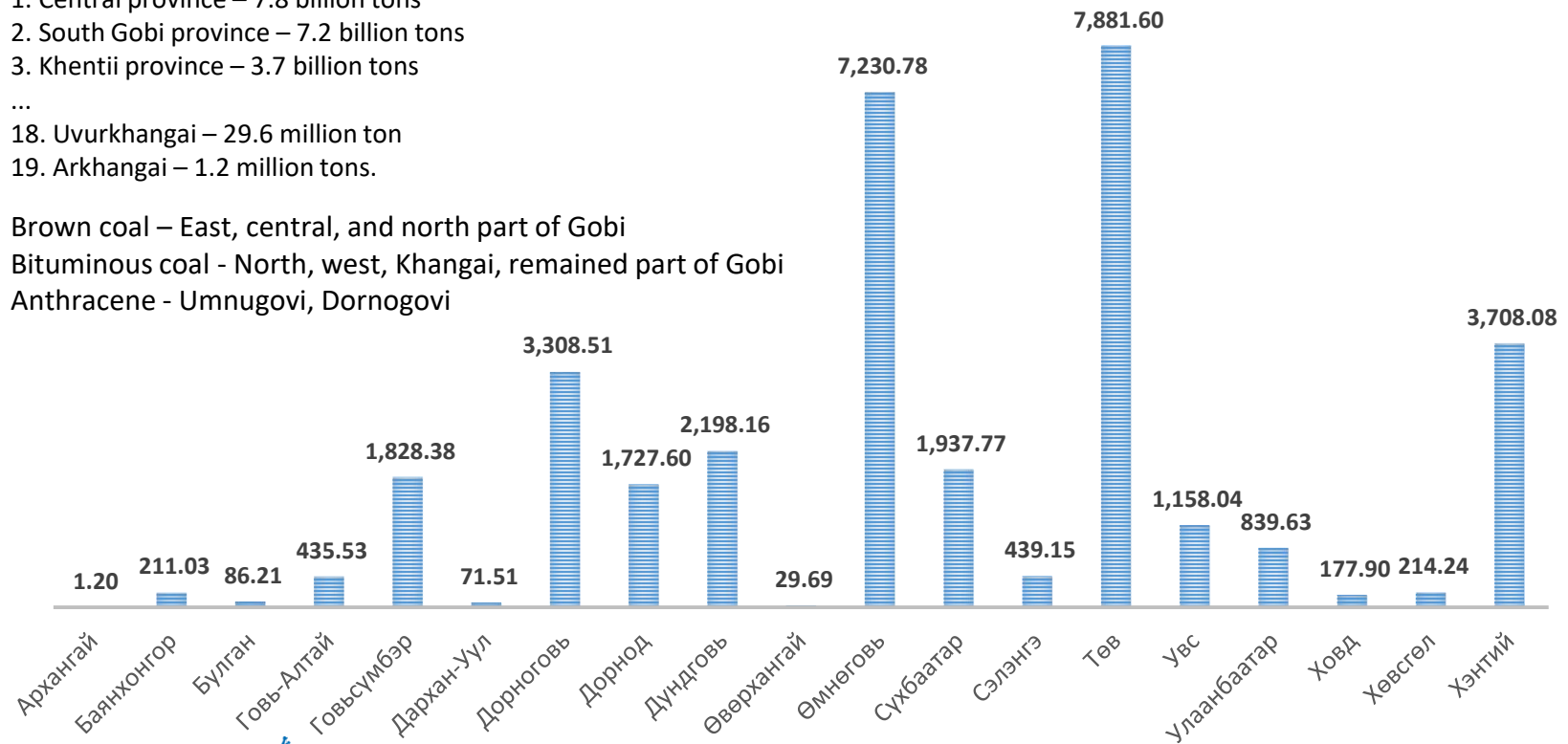
Split by provinces:

1. Central province – 7.8 billion tons
2. South Gobi province – 7.2 billion tons
3. Khentii province – 3.7 billion tons
- ...
18. Uvurkhangai – 29.6 million ton
19. Arkhangai – 1.2 million tons.

Brown coal – East, central, and north part of Gobi

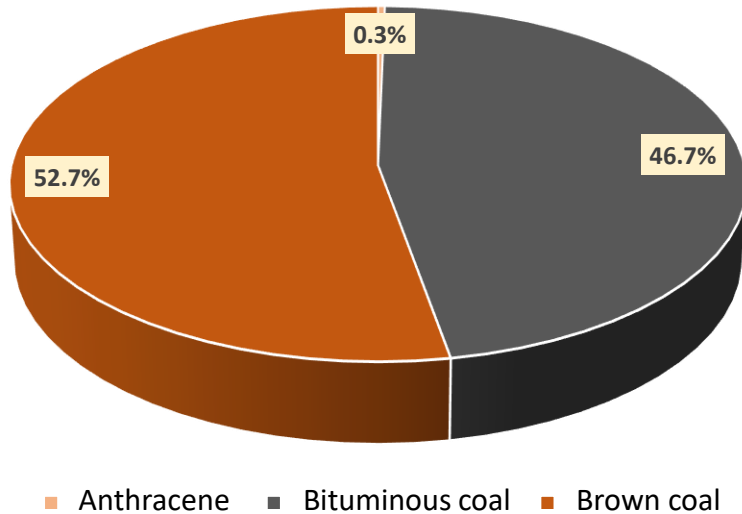
Bituminous coal - North, west, Khangai, remained part of Gobi

Anthracene - Umnugovi, Dornogovi





## Coal quality



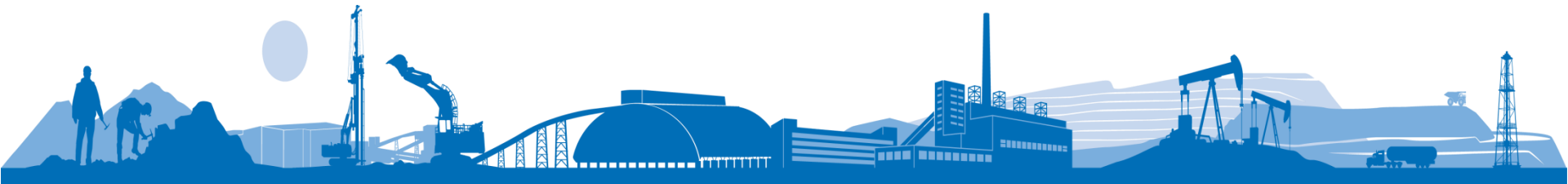
### Reserves:

Proven, inferred, indicated reserves are estimated at **33.3 billion tons**.

In particularly,

- Anthracene – 790.0 mill. tons
- Bituminous coal – 12.92 mill. tons
- Brown coal – 20.46 bill. tons

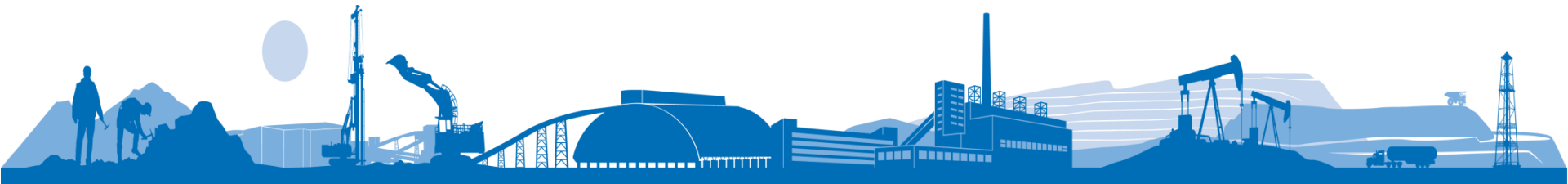
In 2010-2019, **353.4 million tons** of coal was mined and consumed for steam, electric energy, industry and exported.





## Coal production, sales, export

In 2015-2019 export increased by **2-2.5** times. By end of 2020 export reduced by 15.3% because of Covid 19.

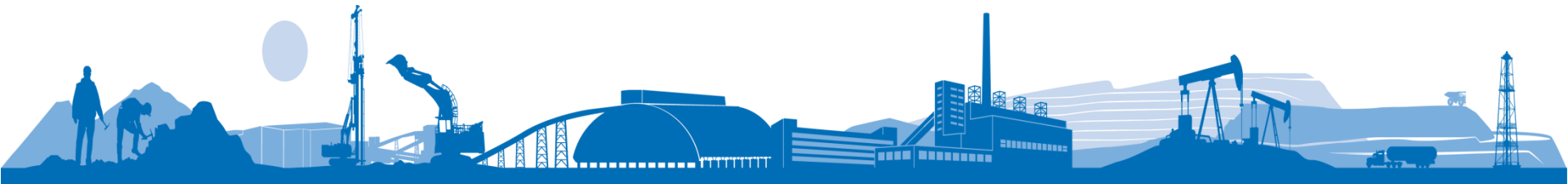
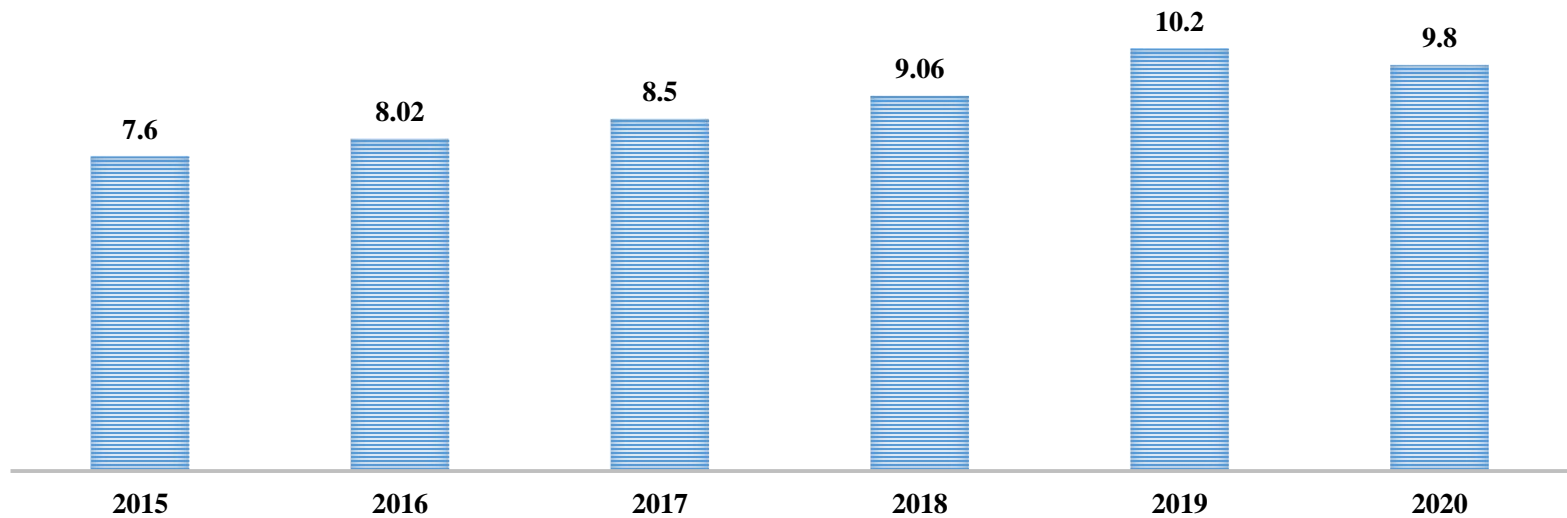




# Domestic coal consumption

Domestic consumption is mainly for energy generation sector in central and west regions. Heat only boilers in Ulaanbaatar, Erdenet, Darkhan and other cities and provinces. Industries and households.

Domestic consumption, mill.tons







# Coal price

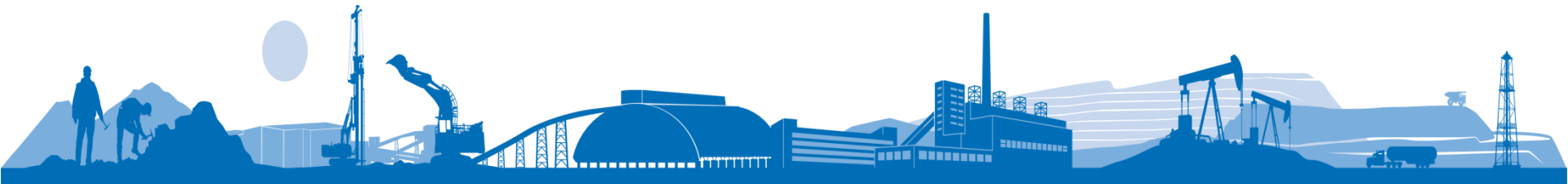
Based on weekly news from the mines, monthly statistics, annual report and [www.sxcoal.mn](http://www.sxcoal.mn) web site, the average price is as below:

## Coal for export:

1. Washed coking coal – 141.6 kMNT or 49.6USD
2. Raw coking coal – 102.1 kMNT or 35.8 USD
3. Weak coking coal – 76.2 kMNT or 26.7 USD
4. Thermal coking coal – 40.9 kMNT or 14.3 USD

## Coal for domestic consumption:

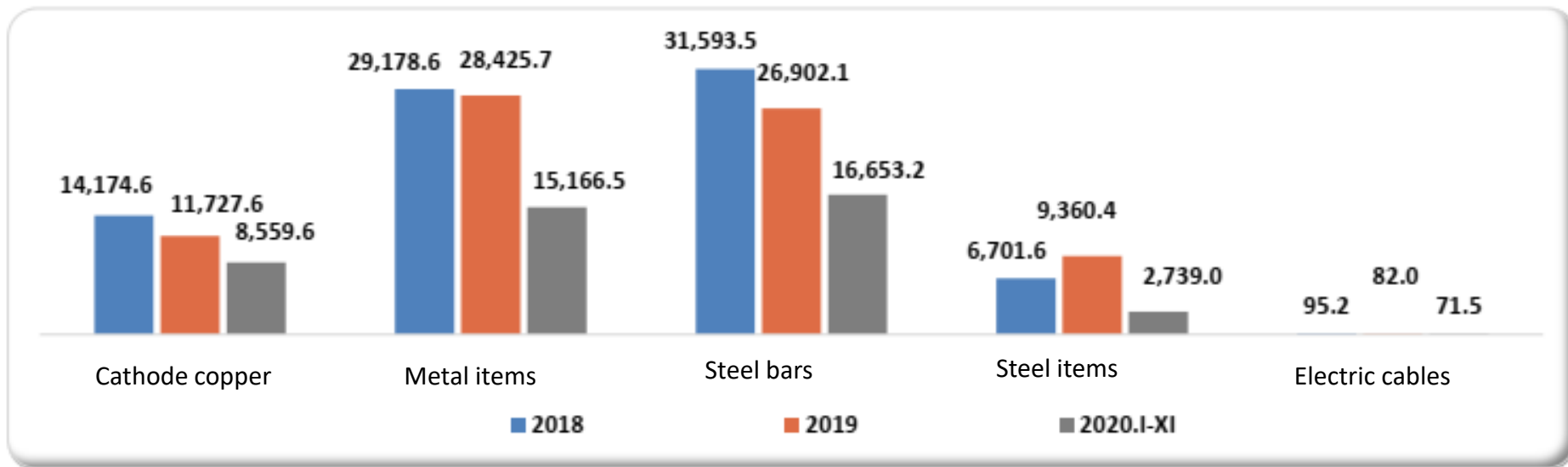
1. Public HOBs – 12.6-45.0 kMNT or 5-15USD
2. Enterprises, industrial use – 12.6-45.0 kMNT or 5-15USD
3. Households – 12.6-33.0 kMNT or 4-12 USD





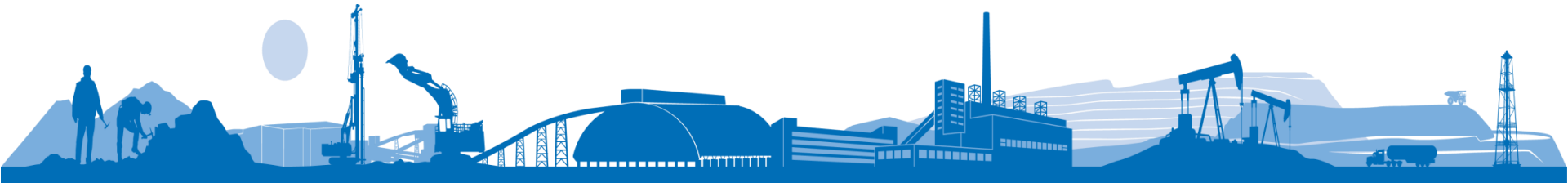
## Main products of heavy industry

/тонн төрөл/



**Target set in Government action plan for 2020-2024:**








**Non ferrous industry will be developed in Darkhan, Orkhon and Dornogovi provinces.**





## Main heavy industrial projects

### Үйлдвэрүүд

-  Non ferrous
-  Machine and equipment
-  Coal processing
-  Oil refinery
-  Chemical plant
-  Unclear
-  Glass manufacturing

### Аймгийн хил



### Авто замын сүлжээ



### Хүчин төгөлдөр тусгай зөвшөөрлүүд

-  Exploration
-  Mining



In accordance with Law on manufacturing and technological parks, four industrial parks obtained special permit and started project in preparation phase at Darkhan, Baganuur, Erdenet and Nalaikh.





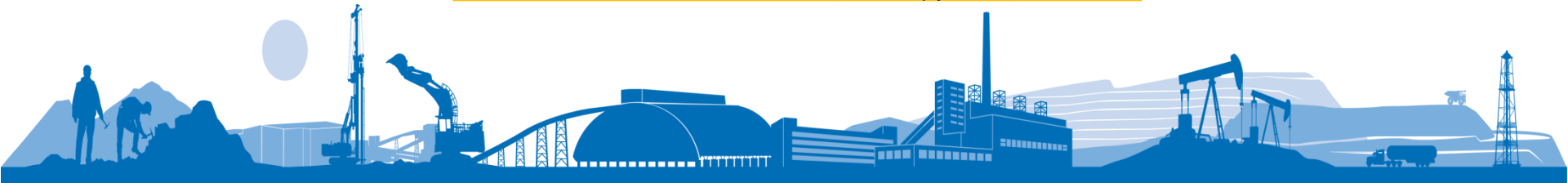
## Government plan for 2020-2024:

Non ferrous industry will be developed in Darkhan, Orkhon and Dornogovi provinces.

Erdenet		
Items	Unit	Value
Product:		
Cast iron	ktpy	100.0
Reduced iron	ktpy	100.0
Steel items	ktpy	200.0
Steel bars	ktpy	160.0
Workplace	person	1,500

Darkhan		
Items	Unit	Value
Product:		
Reduced iron	ktpy	600.0
Steel items	ktpy	471.0
Steel bars	ktpy	297.0
Steel ball mill	Tpy	28.0
Steel fiber	Ktpy	47
Workplace	person	1,000

Dornogovi		
Items	Unit	Value
Product:		
Cast iron	ktpy	100.0
Reduced iron	ktpy	100.0
Steel items	ktpy	200.0
Steel bars	ktpy	160.0
Workplace	person	30.0
Cast iron	ktpy	1,500





**MINERAL RESOURCES AND PETROLEUM AUTHORITY OF MONGOLIA**

# **THANK YOU FOR ATTENTION!**

**MINERAL AND PETROLEUM AUTHORITY OF MONGOLIA**

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