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**PRODUCTION AND LOGISTICS COMPLEX
KURSKAGROTERMINAL LTD**

KURSK, 2024

PRODUCTION AND LOGISTICS COMPLEX

Production and logistics complex **KURSKAGROTERMINAL LTD** is based on modern technical and technological achievements.

Main crops processed by the complex:

- soybeans
- rapeseed
- sunflower
- flax

The production and logistics complex (PLC) is located in Kursk region, Kastorensky district, work settlement of Kastornoye.



PLC STRUCTURE

PRODUCTION COMPLEX

- 2 oil extraction plants with total annual crushing capacity of:
 - 2,064,000 tons of soybeans or
 - 1,858,000 tons of sunflower or
 - 1,376,000 tons of rapeseed or
 - 1,032,000 tons of linseeds
- High-protein sunflower meal (HiPro concentrate) production line with annual crushing capacity of up to 15,000 tons of sunflower per year
- 2 lecithin production facilities with maximum annual production capacity of more than 12,000 tons

STORAGE TERMINAL

Total capacity is more than 750,000 m³

VEGETABLE OILS STORAGE

Total storage capacity is 68,000 m³

RAILWAY COMPLEX

Overall length of the railway track is 16 km, including:

- 25 internal railway tracks with the length of over 14 km
- the railway access road from the Complex to the station Kastornaya Novaya of the South-East Railways is over 2 km long

TRUCK LOADING AND UNLOADING TERMINAL

Technical capabilities allow handling of over 500 trucks per day with total cargo turnover of up to 15,000 tons per day

PRODUCTION COMPLEX

Production complex «KURSKAGROTERMINAL» processes up to 6,000 tons of oilseeds (soybeans, sunflower seeds, rapeseed and linseed) per day and includes 2 oil extraction plants.

TOTAL PRODUCT OUTPUT OBTAINED BY PROCESSING SOYBEANS, SUNFLOWER SEEDS, RAPESEED AND LINSEED (TONS PER YEAR):

	SOYBEANS	SUNFLOWER	RAPESEED	LINSEED
FEED-GRADE MEAL	1,490,000	644,000	756,800	566,000
OIL	386,000	812,000	581,400	440,000
HULLS	110,000	358,000	-	-
LECITHIN	12,400	2,600	4,400	-



STORAGE TERMINAL

STORAGE OF GRAINS AND LEGUMES

Total storage capacity is more than 750,000 m³ and includes:

- **44 silos** with total storage capacity of 602,366 m³
- **10 silos** of grain drying complex with the capacity of 21,000 m³
- **6 silos** of daily raw materials stock with the capacity of 9,000 m³
- **33 silos** of granulated hulls and husks with total capacity of 67,500 m³
- **2 automated flat** storage warehouses for meal produced by the company and for other bulk cargos with total capacity of 53,600 m³
- **Automated temperature control** system

VEGETABLE OILS STORAGE

With total capacity of 68,000 m³

RAW MATERIALS CRUSHING VOLUMES

SOYBEANS
6,000
TONS PER DAY

SUNFLOWER
5,400
TONS PER DAY



RAPSEED
4,000
TONS PER DAY

LINSEED
3,000
TONS PER DAY

PRODUCT QUALITY AND SAFETY

QUALITY AND SAFETY OF PRODUCTS ARE A KEY PRIORITY OF KURSKAGROTERMINAL LTD



WE CHECK THE COMPLIANCE OF ALL INCOMING RAW MATERIALS AND FINISHED PRODUCTS WITH THE QUALITY AND SAFETY STANDARDS

We guarantee quality and safety of raw materials and finished products at the stages of production, storage, and distribution. We separate and trace flows of products of different types and grades.



DECLARATION OF CONFORMITY, CERTIFICATION, STATE REGISTRATION

All produced, imported and exported products subject to declaration of conformity, certification or state registration in the Russian Federation and the Eurasian Economic Union undergo all required procedures. Products we manufacture are certified under the KOSHER and HALAL standards.



PRODUCTS QUALITY ANALYSIS

Incoming raw materials control, control of technological processes and finished products is carried out by own testing laboratory of the quality department providing tests of raw materials and finished products for microbiological, physical and chemical and safety parameters.

The company has developed, implemented and certified the following systems:

- System of quality management in accordance with ISO 9001 standard;
- System of management regulating the processes of management of non-GMO products complying with FoodChain ID Non-GMO and Europe Soya standards;
- System of management of social responsibility and environmental sustainability complying with ProTerra standards;
- The company has also undergone certification under the ISO 22000, FSSC 22000, FAMI-QS, Kosher, Halal



RAILWAY COMPLEX

TRUCK LOADING AND UNLOADING TERMINAL

5 SIMULTANEOUS LOADING POINTS:

Technical capabilities for handling:

- up to 110 railcars per day
- up to 40 tank cars per day

1 oil filling point

or vegetable oils – for 4 tank cars with the capacity of up to 2,600 TPD

1 loading point

with ramp for boxcars – for 3 railcars with the capacity of 500 TPD

3 loading points

for bulk grains – for 5 railcars with the capacity of up to 7,000 TPD

4 SIMULTANEOUS UNLOADING POINTS:

Technical capabilities for handling:

- up to 130 railcars per day
- up to 40 tank cars per day

1 oil draining point

for vegetable oils – for 1 tank car with the capacity of up to 2,600 TPD

1 unloading point

with ramp for boxcars – for 3 railcars with the capacity of 500 TPD

2 unloading points

for bulk grains – for 4 railcars with the capacity of up to 7,800 TPD



Company-owned preparation and washing point for grain hoppers and boxcars
Capacity up to 40 railcars per day



4 railway scales with loading capacity 150 tons



Fleet of shunting locomotives includes 1 company-owned locomotive and 1 leased one

INCLUDES:



4 truck acceptance lines

capable of simultaneous unloading of several types of oilseeds and grains with the capacity of up to 350 trucks per day (10,200 tons per day).



2 lines for loading trucks

with meals and pelletized products capable of loading up to 120 trucks per day (3,360 tons per day).



1 oil filling line

capable of loading 44 tank trucks per day (968 tons per day) or 20 flexitanks per day (420 tons per day).



Truck scale unit with the quality rapid-test laboratory has 4 automated samplers.

9 truck scales with load capacity from 80 to 100 tons.

1 grain drier with the capacity of up to 3,432 tons per day.



Entrance control by electronic queuing system.

COMPLEX UTILITIES

THE COMPLEX HAS THE FOLLOWING UTILITIES:

- 2 high voltage transformer substations
- treatment facilities
- water intake facilities
- production boiler house
- compressor facility



TECHNICAL CHARACTERISTICS

2 high-voltage substations of 35/10 kV:

First substation — with the capacity of 2x16 MVA;

Second substation — with the capacity of 2x10 MVA.

- Total length of 35-kV feed cable lines is 7 km;
- Connected capacity is 17.8 MW;
- 12 distribution substations of 10/0.4 kV;
- 10 kV cable lines about 11 km long in total.

Production boiler house

with total capacity of 112 tons of steam per hour.

- Length of steam and heat piping is about 2 km;
- Comprises 7 heat points.

Water intake with the capacity of more than 3,000 m³ per day, includes:

- 12 water wells with the depth from 30 to 60 m, including 10 operational wells and 2 observation wells;
- water treatment plant;
- feed water reservoirs with the capacity of 2x300 m³ and clean water reservoirs with the capacity of 2x2,000 m³.

Local stormwater treatment facilities

with the capacity of 50 liters per second.

Household sewage and industrial wastewater

treatment plant with the capacity of 1,000 m³ per day.

Compressor station

comprises 4 compressors with total capacity of 4,200 m³ per hour.