

OPTIMIZATION OF INDUSTRIAL POWER SUPPLY



Preliminary questionnaire

1. Company details

Company name

Address
(physical location of production site)

Phone

E-mail

Technical manager
(Chief engineer)

Contact person
(name, phone, E-mail)

Number of working hours per year

Number of shifts

Category of power supply reliability

Please indicate/list types of consumers
with sharply variable load

- ! Along with the table, please provide a master plan of the production site indicating the location of the power grid infrastructure in order to determine potential locations for the ESS.

2. Power supply of the facility

The voltage level of the facility on the
side of the supply center (centers)

The total installed capacity of the facility,
fixed in the contract for technological
connection, power supply, provision of
transmission services. If available, please
specify separately by points of connection
to power centers, in kW

Potential (plans of the enterprise) to
increase capacity

- ! Along with the table, please provide a master plan of the production site indicating the location of the power grid infrastructure in order to determine potential locations for the ESS.

3. Contracts

Is there a valid power supply contract?

Tariff under the power supply agreement for the current regulation period, RUB/kWh

Is there a valid contract for the sale of electrical energy (capacity)?

Supplier name

The current price category under the contract

Is there a valid contract for the provision of electricity transmission services?

Grid company name

Tariff under the service agreement for the current regulation period, RUB/kWh

Along with the table, please provide:

- Data on actual accruals under the energy supply contract on a monthly breakdown for a full calendar year;
- Data on actual accruals under the sale and purchase agreement on a monthly breakdown, with a breakdown of accruals for capacity and electricity for the full calendar year;
- Data on actual accruals under the contract for the provision of electricity transmission services on a monthly breakdown for a full calendar year;
- Hourly load schedule, both by metering points and in balanced terms (if any) for the full calendar year.

4. Own generation

Type of generating equipment, type of fuel

Rated power of generating equipment (separately by units) subject to mode restrictions, kW

Commissioning (withdrawal) plan for generating capacities

Along with the table, please provide:

- Performance charts for the use of generating equipment;
- Hourly schedule of generation (delivery of electricity from the power rails of generating equipment) to the company network;
- Average cost of generation (monthly for a full calendar year), RUB/kWh.