Approved by order No. _____ dated «___»

Joint Stock Company Kazakhstan Electricity and Power Market Operator (JSC KOREM)

THE SYSTEM OF "JSC KOREM AUCTION HOLDING" (JSC KOREM TS)

USER GUIDE Edition 2.0

Nur-Sultan city 2019

TABLE OF CONTENTS

1.	INTRODUCTION	3
1.1.	. SCOPE OF APPLICATION	
1.2.	BRIEF DESCRIPTION	
1.3	. USER SKILLS	
1.4.	. THE LIST OF OPERATIONAL DOCUMENTATION FOR USER TO GET ACQU	JAINTED
WIT	тн 3	
2.	PURPOSE AND CONDITIONS OF USE	4
2.1.	. TYPES OF ACTIVITIES AUTOMATED	
2.2.	. CONDITIONS OF USE OF AUTOMATION MEANS	4
3.	PROCESSES DESCRIPTION	5
3.1.	. PROCESSES SEQUENCE	5
3.2.	ONLINE USER SIGN-UP	5
3.3.	. REGISTRATION DATA	9
	3.3.1. "Information about the Organization" tab	9
	3.3.2. "Select an Auction" tab	13
	3.3.3. "Operators of the bidder" tab	13
3.4.	AUCTION	15
	3.4.1. Auction with documentation	16
	3.4.2. Auction without documentation	21
	3.4.3. Special aspects of BioPP auction	27
3.5.	ARCHIVE	30
3.6.	. Event log	32
3.7.	. USER PROFILE	
4.	EMERGENCY	34
5.	RECOMMENDATIONS ON LEARNING	35
6.	ABBREVIATIONS AND CONTRACTIONS	36
AN	NEX 1	37

1. INTRODUCTION

1.1. Scope of application

This document provides guidance for working with a system – Holding auctions of the JSC KOREM and is designed for auction participants to work with trading system of JSC KOREM (hereinafter – JSC KOREM TS).

1.2. Brief description

The JSC KOREM TS is designed to organize and hold auction as well as to participate in it.

Feature set of JSC KOREM TS represented in the system allows to perform the following basic processes of auction participant:

- Online sign-up;
- Edit profile;
- Add new auctions operator;
- View auctions list;
- Submission of bid to trading system;
- Adjust bid made;
- View my bids available in the trading system;
- View winning bidders list;
- View data on auctions held;
- View event logs;
- View current server time of the trading system;
- View auction remaining time.

1.3. User skills

The user should know how to work with the Microsoft Windows, Microsoft Office, Google Chrome, Mozilla Firefox, Internet Explorer and others and also possess knowledge in the relevant subject field.

1.4. The list of operational documentation for user to get acquainted with

- Rules of organizing and holding auctions, including qualification requirements for auction participants, the content and procedure for submitting applications, types of financial guarantee for participation in auctions and conditions of their deposit and return, the procedure for summing up the results and determining the winner;
- Methodology guidelines for holding auction

2. PURPOSE AND CONDITIONS OF USE

2.1. Types of activities automated

Described feature set implemented in the system automates auctions participant operation and allows to perform basic processes for participation in the auctions.

2.2. Conditions of use of automation means

To work with the JSC KOREM TS in automated mode the user shall adhere to the following conditions:

- The user's workstation should be equipped with a personal computer with online access to JSC KOREM TS, RAM at least 2 GB, processor speed at least 2GHz, monitor screen resolution at least 1280×1024;
- Whenever necessary, the computer should have access to the printer and document scanner not lower than the A4;
- The Mozilla Firefox, Google Chrome, Internet Explorer or others should be installed in PC;
- Participant should sign-up in the system;
- The user should know how to work with the Microsoft Windows, Microsoft Office, Google Chrome, Mozilla Firefox, Internet Explorer and others.

3. PROCESSES DESCRIPTION

3.1. Processes sequence

JSC KOREM TS processes sequence to participate in auctions:

1. Online sign-up of auctions bidder.

- 2. Editting login details.
- 3. Submission of bid proposal.
- 4. Viewing bids made in TS from the Organizer's database archive.

5. View preliminary auction results for selection of projects using biomass, biogas and other fuels from organic waste used for electricity production.

6. View proposal in dialog box with preliminary auction results for selection of projects using biomass, biogas and other fuels from organic waste used for electricity production and ability to respond to this proposal.

7. Viewing all actions of auctions participant done in the TS.

3.2. Online user sign-up

In order to work in the JSC KOREM TS sign in to the System. To do this, follow these steps:

1. Launch the Internet browser that is on the "Desktop" or in the "Taskbar" and enter https://korem.kz, the JSC KOREM address in the address bar.

2. Operating system will download the webpage and show the JSC KOREM website (Figure 1).



Figure 1. JSC KOREM webpage

3. Click on the "RES Auctions" button located in the left panel of the JSC KOREM website menu.

4. Click on the "Login to the Trading System" button on the opened page to login to the TS (Figure 2).



Figure 2. Login to the Auctions Trading System

5. Operating system will download the webpage and show the authorization window for logging in to the JSC KOREM TS (Figure 3).

SIGN-IN		
E-mail		
Password (Forgot password?)		
Sign-in		

Figure 3. Authorization window

6. Click on the "**Registration**" link in the opened page to sign-up online (Figure 3).

Note 1: If you are already signed up in the System, enter your e-mail address in the "*E-mail*" input field, and in the "*Password*" input field enter password that you entered upon signing up in the System. Then click on the **«Login to the Trading System»** button (Figure 3).

Note 2: If you have forgotten password for user account, click on the "Forgot Password?" link (Figure 3). Then enter your e-mail address in the "E-mail" field and click on the "Continue" button (Figure 4). Instructions for changing password will be sent to your e-mail.

CONTINUE

Figure 4. Password recovery

7. The system will provide a registration form interface with fields to be filled in (Figure 5).

REGISTRATION FORM	
Fields marked with * are mandatory	
Company Name *	
Legal Address *	
Physical Address *	
Name *	
E-mail *	
Password *	
Retype Password *	
	Password requirements The password must be at least 8 characters in length. The password must contain symbols of three categories from among the following four: • capital letters of the English alphabet from A to Z • lowercase letters of the English alphabet from a to z • decimal digits (from 0 to 9) • non-alphabetic characters (for example,!, \$, #,%)
Enter the image code *	cfdghe 🖸
	SIGN UP Already registered? Sign in!

Figure 5. Registration form

8. Enter the following data in this registration form:

- in the field "**Company name**" enter the full name of the Company;
- in the field "Legal address" enter the data concerning legal address of the Company;
- in the field "Physical address" enter the data concerning the physical address of the Company;
- in the field "Name", enter your surname, first name and patronymic;
- in the field "E-mail" enter the e-mail, which is the identifier for logging in the TS;
- in the field "Password" enter data in random order containing the symbols, taking into account password requirements. The password must consist of at least 8 characters. The password should contain characters from three categories from among the following four:
 - \checkmark capital letters of the English alphabet from A to Z;
 - \checkmark lowercase letters of the English alphabet from a to z;
 - \checkmark decimal numbers from 0 to 9;
 - ✓ non-alphabetic characters, for example!, #,%.

9. After filling all fields, enter the proposed image code and click on the **''Register''** button (Figure 5).

Note: If the image code is not clear, press the « button to renew. button to renew.

10. The system will check fields filled in the registration form. If some fields are filled in or filled in incorrectly, the System will show error message (Figure 6).

Please fix the following errors:

- Enter the image code cannot be blank.
- Name cannot be blank.
- Physical Address cannot be blank.
- Legal Address cannot be blank.
- Company Name cannot be blank.Retype Password cannot be blank.
- Retype Password cannot be blan
 Password cannot be blank.
- Password cannot be blank.
 E-mail cannot be blank.
- Username cannot be blank.

Figure 6. Message on error filling fields in the registration form

11. Upon proper filling, the system will show the following information (Figure 7):



Figure 7. Successful sign-up in the TS page

12. To your E-mail, that was indicated in the registration form, you will receive an automatically generated e-mail with the "Confirmation of registration at auctions" subject from "korem@vsm.kz".

13. Open the email and to activate your account by clicking on the link in the email.

3.3. Registration data

3.3.1. "Information about the Organization" tab

1. After following the link indicated in your e-mail, the System will show the **«Information about the Organization»** page. To complete the registration, fill all required fields in with information about your Company and click on the **«Save form»** button (Figure 8).

Select an	auction Operators	or the Participant		
				NG
Fields marked with * are mandatory				
INFORMATION ABOUT THE ORGANIZATION				
Company Name *				
Legal Address *				
Physical Address *				
Phone *				
Fax				
650 INFORMATION				
CEO (First Name, Last Name) *				
Dhone				
1 Hore				
BANK DETAILS				
Bank *				
Bank Account *				
BIN				
BIC				
Bank BIN				
SCAN-COPIES OF DOCUMENTS				
File 1 *	SELECT A FILE			
File 2 *	SELECT A FILE			
File 3 *	SELECT A FILE			
File 4	SELECT A FILE			
File 5	SELECT A FILE			
File 6	SELECT A FILE			
LAND AND CONNECTION POINT				
LAND AND CONNECTION POINT	ntation, with your own	a land plot and connection p	plot, then filling these fields in is of	ligatory for You
LAND AND CONNECTION POINT If You participate in the auction without docume (paragr Наименование проекта	ntation, with your own oph 19 of the Rules for	land plot and connection p organization and conduct o	pint, then filling these fields in is of f auction)	ligatory for You
LAND AND CONNECTION POINT If You participate in the auction without docume (parager Houve-obanie проста Land Pot	ntation, with your own oph 19 of the Rules for	I land plot and connection p organization and conduct o	pint, then filling these fields in is of fauction)	Nigatory for You
LAND AND CONNECTION POINT If You participate in the auction without docume (parage HaumenoBanie Ripoerta Land Piot	tation, with your own ph 19 of the Rules for This field should be pro- arricle 12 of the Land Co- For example: -4ct on the	I land plot and connection p organization and conduct o ded with information about antititi te of the Republic of Katakhstan. "gits of private omership of four da	pint, then filling these fields in is of auction) glocument for land plot, according to subp c. codestral number No.1 dated january 01, 20	Nigatory for You aragraph 24 of 19+
LAND AND CONNECTION POINT If You participate in the auction without docume (parage Hannenosanie npoetra Land Pice Land area, ha	tation, with your own ph 19 of the Rules for This field should be prov- arcicle 12 of the Land Co- For example: -Act on the	I and plot and connection p organization and conduct o ded with information about entities de of the Republic of Jacabitana of the Republic of Jacabitana	pint, then filling these fields in is ob auction) g document for land plot, according to subo codatoral number No. 1 dated January 01, 20	Nigatory for You Iaragraph 24 of 19+
LAND AND CONNECTION POINT If You participate in the auction without docume (parage Hauvenosenue проекта Land Piot Land area, ha Connection Point	tation, with your own ph 19 of the Rules for This field should be prov article 12 of the Land Co For example. Act on the	I land plot and connection p organization and conduct o ged with information about entities the of the Republic of Fazakhtan. (get of private ownership of land plo	Sinc, then filling these fields in is ob auction) g document for land plot, according to supp codestrol number No.1 dated Jonuary 01, 20	Aligatory for You laragraph 24 of 19-
LAND AND CONNECTION POINT If You participate in the auction without docume (parage Hausenobasiue npoerta Land Point Land area, ha Connection Point	This field should be prov produced and the field of the f	I land plot and connection p organization and conduct o organization and conduct o ded with information about entities get of private sweetings of land plo ded with information on sechical coroling to the Rules for Hower Choice State Science 1: 2014.	oint, then filling these fields in is of fauttion) g document for land pice, according to subdue constant number No.1 devel january 01. 20 petifications for connection to the power p approved by the order No. 210 of the Mind	Algatory for You aragraph 24 of 19= id of energy ter of energy of the
LAND AND CONNECTION POINT If You participate in the auction without docume (parage) Hausenbaseue npoerta Land Pior Land area, ha Connection Point Document to Land Pior	This faild should be prov article 12 of the Rules for This faild should be prov article 12 of the Luc Of For sample - 400 of the This faild should be prov producing companies, as Republic of Kazakhars.	I and plot and connection p organization and contact o engine information about ends as if the Republic of Issammer, great opinion another plant plot ends with information on technical of and plotter information on technical ends with information on technical and beamter 12, 2016.	chartchen filling these fields in is of function)	iligatory for You aragraph 24 of 19- id of energy of the
LAND AND CONNECTION POINT If You participate in the auction without docume (parage) Hause-robarne ropects Land Piot Land area, ha Connection Point Document to Land Pioc Document to Connection Point	tation, with your own pph 19 of the Rules for This field should be prove For example: -ktr and Co For example: -ktr and for For example: -ktr and for for example: -ktr and for Statistics 12 dec for	I land plot and connection pro- organization and conduct or sear with information about settle de drok Republic of Xasanzan, griet of univer averaging of plant pion griet of univer averaging of the search information are sectioned of control groups to the Name Fore and Deamtor 11 2016.	sint, then filling these fields in is of auxtion)	iligatory for You aragraph 24 of 19- id of energy er of energy of the
LAND AND CONNECTION POINT If You participate in the auction without docume (parage) Hauve-obsevie ropects Land Piot Land area, ha Connection Point Document to Land Piot Letter of approval	tattion, with your own ph 19 of the Rules for Professional and photos to proper Professional and the second Professional And The Second Profes	I land plot and connection pro- organization and conduct or and with information about antici- ted with information about antici- ed with information on sachrical occurring to the Rule for Jower Grid and Rule for Jower Statistics of all grows of the Rule for Jower Grid and Rule for Jower Statistics of all grows of 2015.	sint, then Milling these fields in is of auxtion)	Higatory for You angraph 24 of 194- 16 of energy ter of energy of the
LIND AND CONNECTION POINT If You participate in the auction without docume (parage) Heaven-osenue npoerta Land Piot Land area, ha Connection Point Document to Land Piot Letter of approval	Itation, with your own ph 19 of the Rules for the Rules for the Rules for the Rules for the Rules for the Rules for the Rules rester is 2 of the Land Co. File States and the Rules This field should be prove of Rules for an Annual States for a Rules States for a Rule States for a Ru	I land plot and connection pro- organization and confluct or any series of the Repair of Section 2 and set of the Repair of the	sint, then Milling these fields in is of auxtion) geocument for land pior, according to much contained number Not field parkary (N, 20 positifications for connection to the power p approved by the order No. 210 of the Mind in this field phough be provided with electr	Hightory for You aragraph 24 of 19- Id of energy for energy of the onic copy of letter of
LIND AND CONNECTION POINT If You participate in the auction without docume (parage) Heurenosemen spoerts Land Poe Land area, ha Connection Point Document to Land Piot Letter of approval	tation, with your own ph 19 of the Rules for the fault should be prov- article 1.2 of the Land Co- For example: -42 of the fault should be prov- for example: -42 of the Stillet A FALL Stillet A FALL Stillet A FALL Stillet A FALL Stillet A FALL	I and plot and connection p argenitication and conduct of argenitication and conduct of electric information and conduct of electric information and plotter argenitication of the second second second argenitication of the second second second second second second second second second argenitication of the second	pint, then filling these fields in is of auction) geouveret for land pion, according to subta content number No.1 dated parkey (01,22 contents number No.1 dated parkey (01,22 packfastors for connection to the power (0 packfastors for connec	aligatory for You aragraph 24 of 19- 16 of energy of the ser of energy of the onic copy of letter o
LIND AND CONNECTION POINT If You participate in the auction without docume (parage) Hauvenobasive npoetra Land Proc Land area, ha Connection Point Document to Land Proc Document to Connection Point Letter of approvel Showing 1-1 of 1 item.	tation, with your own ph 19 of the Rules for the fault should be prov- writed 12 of the Lund Co For example: -K2 on the for example: -K2 on the StilletT AFRE. StilletT AFRE. StilletT AFRE.	In and plot and connection programitation and confluct or organization and confluct or add with information about anticipation of add with a state o	pint, then filling these fields in is of auction) geocument for land pion, according to subdu- colleand number No.1 devel january 01, 20 accilitations for connection to the power of approval by the order No. 2016 of the power of approval by the power of approval by the power of approval by the power of approval by the power of approval by the power of approval by the power of approval by the power of approval by the power of approval by the power of approval by the power of approval by the power of approval by the power of approval by the power of appro	aligatory for You arragraph 2d of 19- 10 of energy and energy of the onic copy of letter of
UND AND CONNECTION POINT If You participate in the auction without docume (parage) Hausendament opports Land Proc Land area, ha Connection Point Document to Land Proc Document to Connection Point Letter of approval Showing 1-1 of 1 Item. Name Land Proc Land area, ha Land area, ha	tation, with your own ph 19 of the Rules for the fault should be prov- write 1.2 of the Lund Co For example: .42 of the Lund Co For example: .45 of the StilletT AFRE. STILET AFRE. STILET AFRE. STILET AFRE. ADD	I and plot and connection p organization and confluct o deal with information about antizing and with information about antizing of the difference and the difference of the difference and the difference of the difference of the difference of the difference of the difference of the difference of the difference of the differen	pint, then filling these fields in is of auction) geocurrent for land pion, sconding to subde conterent number No.1 devel january 01, 22 additioned from connection to the power (0, 22) additioned by the context on the power (0, 22) in initial field should be powered with electro over distributions.	Aligatory for You aragraph 24 of 19- tid of energy are of energy of the onic copy of latter of Status

Figure 8. "Registration data" section. "Information about the Organization" tab

The **«Information about the Organization»** tab contains the following components: **"Information about the Organization"** section:

Field **"Company name".** Type – text. Editable. Mandatory. The field should be provided with Company's full name and type of business.

Field "Legal address". Type – text. Editable. Mandatory. The field should be provided with legal address of the Company.

Field **''Physical address''.** Type – text. Editable. Mandatory. The field should be provided with physical address of the Company.

Field **"Phone".** Type – text. Editable. Optional. The field should be provided with phone number of the Company.

Field **"Fax".** Type – text. Editable. Optional. The field should be provided with fax number of the Company.

"Information about the leader" section:

Field "**CEO Information**". Type – text. Editable. Mandatory. The field should be provided with last name, first name, patronymic of the CEO of the Company.

Field **"Phone".** Type – text. Editable. Optional. The field should be provided with phone number of the CEO of the Company.

"Bank requisites" section:

Field **"Bank".** Type – text. Editable. Mandatory. The field should be provided with bank name.

Field **"Bank account".** Type – text. Editable. Mandatory. The field should be provided with bank account.

Field **"BIN".** Type – text. Editable. Optional. The field should be provided with business identification number of the Company.

Field "**BIC**". Type – text. Editable. Optional. The field should be provided with bank identification code.

Field **"Bank BIN".** Type – text. Editable. Mandatory. The field should be provided with business identification number of the bank.

"Scan-copies of documents" section:

Field "**File 1**". Type – blob. Editable. Mandatory. The field should be provided with a scan copy of the Company's charter by uploading ".pdf" file.

Field **"File 2".** Type – blob. Editable. Mandatory. The field should be provided with a scan copy of certificate of state registration / re-registration of legal entity, appointment of CEO by uploading ".pdf" file.

Field "**File 3**". Type – blob. Editable. Mandatory. The field should be provided with a scan copy of decision of legal entity's relevant body on appointment of CEO by uploading ".pdf" file.

Field **"File 4".** Type – blob. Editable. Optional. The field should be provided with a scan copy of the power of attorney for representative is loaded (if representation of interests is not made by CEO) by uploading ".pdf" file.

Field "**File 5**". Type – blob. Editable. Optional. The field should be provided with a scan copy of legal entity details (bank details, address, contact phone numbers, e-mail address) by uploading ".pdf" file.

Field "**File 6**". Type – blob. Editable. Optional. The field should be provided with a scan copy of document confirming the financial security of the bid proposal by uploading ".pdf" file.

Section "Land plots and connection points":

Note: If the participant has own land plots and connection points that will be used in the auction, the fields listed below are obligatory.

Field **«Project name»**. Type – text. Editable. The field is provided with name of project to which the data on land plot and connection point will be linked.

Field «Land plot». Type – text. Editable. The field is provided with information on legal document for land plot in accordance with subparagraph 24 of article 12 of the Land Code of the Republic of Kazakhstan. *For example:* «*Act on right of private ownership of land, cadastral number 1 dated 01.01.2009*».

Field "Land area, Ha". Type – number. Editable. The field should be provided with data on area of land plot in hectare.

Field **«Connection point»**. Format – text, number. Editable. The field is provided with information on technical specifications for connection to electric grid of energy producing organizations, according to the Grid regulations approved by the order No. 210 of the Minister of

energy of the Republic of Kazakhstan dated December 18, 2014. For example: "TS for "Zhar" LLP dated 01.01.2019".

Field **''Document for land plot''**. Type – blob. Editable. The field is provided with a scanned copy of the document confirming the availability of land plot.

Field **"Document for connection point"**. Type – blob. Editable. The field is provided with a scanned copy of the document confirming the availability of connection point.

Field "Letter of approval". Type – blob. Editable. If the declared electric capacity of the project is 5 MW or more, this field is provided with electronic copy of the letter of approval of the System operator "Scheme of power distribution of power plant".

Upon full filling in of fields of the section "Land and connection points", in order to save you should click on the "Add" button. After clicking on the "Add" button, the System will save the data entered. There is also a possibility to delete or replace the downloaded scanned copies of the documents in the section "Land and connection points" (Figure 9).

LAND AND CONNECTION POINT	
If You participate in the auction without docume (paragr	ntation, with your own land plot and connection point, then filling these fields in is obligatory for You aph 19 of the Rules for organization and conduct of auction)
Наименование проекта	
Land Plot	
	This field should be provided with information about entitling document for land plot, according to subparagraph 24 of article 12 of the Land Code of the Republic of Kazakhstan. For example: «Act on the right of private ownership of land plot, cadastral number No.1 dated January 01, 2019»
Land area, ha	
Connection Point	
	This field should be provided with information on technical specifications for connection to the power grid of energy producing companies, according to the Rules for Power Grid approved by the order No. 210 of the Minister of energy of the Republic of Kazakhstan dated December 18, 2014. For example: <i>«TS Zhar LLP" dated January 01, 2019»</i>
Document to Land Plot	SELECT A FILE
Document to Connection Point	SELECT A FILE
Letter of approval	SELECT A FILE
	If the project declared electric capacity is 5 MW or more, then in this field should be provided with electronic copy of letter of approval of the System operator «Schemes of power plant power distribution»
	ADD
Showing 1-1 of 1 item.	
# Name Land Plot Land area, ha	Connection Point Document to Land Plot Document to Connection Point Status
	SAVE FORM

Figure 9. Section "Land plots and connection points"

2. After clicking on **«Save form»** button, the system will save data entered, however in the **«Scan-copies of documents»** section you can remove uploaded scan-copies of documents, download or replace them (Figure 10).

SCAN-COPIES OF DOCUMENTS	
File 1 *	<mark>≛</mark> Приказ № 47 (1).pdf <mark>0</mark> REPLACE
File 2 *	▲ Предложение (1).pdf В REPLACE
File 3 *	♣ ПЭП.ЭУ.ГУ.Р2507.СТПО-01.2015.pdf в керLace
File 4	SELECT A FILE
File 5	SELECT A FILE
File 6	SELECT A FILE

Figure 10. "Scan-copies of documents" section after saving

3. Click the "Complete registration" button to complete the registration (Figure 11).

Bidder information	Select auction	Operators of the bidder		
Click "Complete regist	ration" button. The	information about the organ	ization will be examined by the	✓ COMPLETE REGISTRATION
Notification will be set	at 2 working days. nt to your e-mail ad	ldress.		

Figure 11. Registration completion

4. The organizer of the auctions will review information concerning the Company within two working days. Notification registration status change will be sent to your e-mail address. The system will provide a dialog box with the following content: **"Your registration is under processing"** (Figure 12):



Figure 12. Message on direction of registration for processing

5. Click the **"OK"** button, the "Complete registration" button will automatically be replaced with the "Edit" button.

6. Click the **''Edit''** button to edit registration data made earlier, and then save the changes again (Figure 13).

Bidder information	Select auction	Operators of the bidder		
Your registration is bein Notification will be sent	ng processed by the t to your e-mail add	auction operator.		₽ EDIT
Sent for review on: 18	.05.2018 17:27:46			

Figure 13. Registration data editing

3.3.2. "Select an Auction" tab

1. Go to the "Registration data" section, select the "Select an Auction" tab. The system will show the auction list according to the approved auction schedule. Select the auction from the list by setting flags in corresponding checkbox (Figure 14).

	Date of Auction	Type of RES	The Unified Power System Zone:	Size of Projects:	Ceiling Auction Price, KZT/kWh (without VAT):	Volume of Procured Installed Capacity, MW:	Status
	18.05.2018 13:00:00	SPS	North zone	Small 0.1-10 MW	25	10	Complete
	18.05.2018 16:00:00	SPS	North zone	Small 0.1-10 MW	30	10	Complete
	18.05.2018 18:00:00	WPS	North zone	Small 0.1-10 MW	20	9	Complete
	18.05.2018 19:00:00	WPS	North zone	Small 0.1-10 MW	20	10	Complete
M	21.05.2018 12:20:00	WPS	North zone	Big > 10 MW	45	20	Planned
	21.05.2018 12:00:00	WPS	North zone	Big > 10 MW	45	20	Planned

Figure 14. "Registration data" section. "Select an Auction" tab

2. After selecting auction for a certain date, click on the **"Save"** button (Figure 14). The system will save parameters selected.

In the "Select an Auction" tab there is "List of Auctions" table, which contains:

Column "Bidding Date". Type – Date. Uneditable. The field displays auction date.

Column **"Type of auction"**. Type – text. Uneditable. The field displays Type of auction (with documentation, without documentation).

Column **"Type of RES"**. Type – text. Uneditable. The field displays type of RES (WPP, HPP, SPP, BioPP).

Column "**UPS Zone**". Type – text. Uneditable. The field displays Unified Power System zones (Northern zone, Western zone, Western and Northern zones, Southern zone, North and South zones, all zones).

Column "**Size of Project**". Type – text. Uneditable. The field displays size of projects (Small from 0.75 to 10 MW, small from 0.1 to 10 MW, large over 10 MW).

Column "**Ceiling auction price, KZT/kWh** (without VAT)". Type – number. Uneditable. The field displays value of ceiling auction price, KZT/kWh (without VAT).

Column **''Volume of procured installed capacity, MW''**. Type – number. Uneditable. The field displays value of volume of procured installed capacity, MW.

Column "**Status**". Type – text. Uneditable. The field displays current status of auctions. Button "**Save**". Type – tool for saving information.

3.3.3. "Operators of the bidder" tab

Go to the "Registration data" section, select the "Operators of the bidder" tab. The system will show an interface with data input fields for adding operator. Click on the **''Add operator''** button after filling the fields. (Figure 15):

Bidder	information Se	elect auction Operators of the bi	aaer	
ADD O	PERATOR			
	Name *			
	E-mail *			
	Phone			
	Fax			
	Mobile number			
			ADD OPERATOR	
PERA	TORS LIST			
nowir #	ng 1-1 of 1 item. Full name	E-mail	Phones	
1	Paul Ling	paul.ling@gmail.com	City phone:665588 Fax:447788	× ×

Figure 15. "Registration data" section. "Operators of the bidder" tab

"Add operator" section contains the following elements (Figure 15):

Field "**Name**". Type – text. Editable. Mandatory. The field should be provided with last name, first name, patronymic of the operator.

Field "E-mail". Type – text. Editable. Mandatory. The field should be provided with e-mail address of the operator.

Field **"Phone".** Type – text. Editable. Optional. The field should be provided with phone number of the operator.

Field **''Fax''.** Type – text. Editable. Optional. The field should be provided with fax number of the operator.

Field **"Mobile number".** Type – text. Editable. Optional. The field should be provided with mobile phone number of the operator.

Button "Add operator". Type – tool for confirmation of operator adding data entry.

If you click on the **''Add operator''** all operator-related information will be displayed in the **''Operators list''** table, which contains the following elements (figure 14):

Column **''Full name''.** Type – text. Uneditable. The field displays last name, first name, patronymic of the operator.

Column **''E-mail''.** Type – text. Uneditable. The field displays e-mail address of auctions operator.

Column **''Phones''.** Type – text. Uneditable. The field displays phone numbers of auctions operators.

Field ". Tool for editing rows of the "Operators list" table.

Field " Tool for deleting rows in the "Operators list" table.

1. The TS will automatically generate and send an e-mail to the e-mail address of the additional operator with the subject "You were invited by an additional operator" from korem@vsm.kz. In order to log in to personal account of additional operator follow the link for creation a password within 24 hours.

3.4. Auction

1. Go to the "Auction" section.

2. If the trading session is closed and/or all auctions are completed, the System will show a warning message with the date of the next nearest scheduled auctions (Figure 16).

ver Time: 14:57:26					ne: 14:57:26 C Technical Support KA3 PVC E					
			The Auctions			(3) makir 🚔 TOO '	na@korem.kz 👻			
🛃 REGI	STRATION DAT	ГА	≓ AUCTION		ARCHIVE	🛛 EVENT I	.0G	🕒 LOG	ουτ	
			The next auction	on is planned	for 16.09.2019 14	:00:00				
Date of Auction Type of The Auction type RES		The Unified Power System Zone:	Size of Projects:	Ceiling Auction Price, KZT/ (without VAT):	(Wh	Volume of Procu Capacity,	red Installed , MW:	Status		
No results fo	und									

Figure 16. Section "Auction". "Trading session is closed" interface

3. If you are not allowed to auctions, the system displays a warning "You do not have an access to current auction" (Figure 17). You may not be allowed to auction in the following cases:

- 1) untimely payment of the Organizer's Service;
- 2) untimely payment of the Organizer's Service;
- 3) untimely provision of financial security to the financial settlement center;
- 4) untimely submission to the Organizer the information on changes in the participant's details;
- 5) non-fulfillment of other obligations stipulated by the Contract.

ия на сервере: 21:24:13		🖨 Тех.под	цдержка	KA3 PYC ENG
	Аукционные торги		Ibibisara92@ Ibibisara92@ Ibibibibibibibibibibibibibibibibibibibi	mail.ru - гь"
🔙 РЕГИСТРАЦИОННЫЕ ДАННЫЕ	а аукционные торги	🖬 АРХИВ	🛛 ЖУРНАЛ СОБЫТИЙ	🕪 ВЫЙТИ ИЗ СИСТЕМ
АУКЦИОННЫЕ ТОРГИ				
Дата торгов:	2019-07-11	Объем закупаемой	20	
Зона ЕЭС:	Северная и Южная зоны	установленной мош	цности, МВт	
Тип ВИЭ:	ГЭС	Величина предельн	юй 18	
Величина проектов:	Малые от 0.75 до 10 МВт	аукционной цены, тг/кВт*ч (Без НДС):		
	у бас нег доступа к	текущим аукционным торга	M	

Figure 17. Section "Auction". "You do not have an access to current auction" interface

Note: A trading session is conducted on a schedule approved by the authorized body according to the Schedule and lasts one (1) hour. In this case, the trading session is extended by 5 (five) minutes upon receipt of an application from the auction participants with a price lower than the available minimum offer within five minutes before the end of the trading session. The total time of trading session including possible prolongation is not more than 3 (three) hours from the opening time.

Bids from auctions participant are received since opening of the trading session.

Only to those participants have access to the trading session who participate in this trading session according to the Contract.

3.4.1. Auction with documentation

1. During participation in the auction with documentation, if the trading session is open and You are eligible to auction, the System will provide the TS interface on holding auction with documentation (Figure 18).

			server time: 16:03:36		 Feculical su 	pport iva	PVC ENG			
				he Auctions		makina@korem.kz • makina@korem.kz • makina@korem.kz •				
			BE REGISTRATION DATA	# AUCTION		EVENT LOG	IN LOG OUT			
	STATUS OF THE TRADING SESSION	£	Trading Session Opening Time: 16:03:00 Remaining Time : 00:09:02		Trading Session Clo	sing Time: 16:13:00		Maximum trading se	ssion time: 16:23:00	
	Active									
THE AUCTIONS										
Auction type Date of Auction: The Unified Power Syst Type of RES:	stem Zone:	With documentation 2019-07-28 South zone SPP	Size of Projects: Volume of Procured Ceiling Auction Prio	l Installed Capacity, MW: e, KZT/kWh (without VAT):	Big > 10 MW 50 29		Project location Land area, ha Connection Point		Turkestan region, Otyrar district, Shau 100 Shauider SS, 110/35/10	ider village
			The Minim	num Declared Auction Price Submitt	ed to the Trading System, K2	ET/kW*h (without VAT):				
MY BIDS										
+ SELECT A PROJECT AND	ID MAKE A BID									
Bid change	Bid Number	Bid Making Tir	me Proposed	Auction Price, KZT/kWh (without VAT)		Type of Finan	scial Guarantee	Sum of	inancial Security, KZT	Status
No results round.										
RANKED SCHEDULE:										
FINANCIAL GUARANTEE										
			Name of Financial Guarantee				Sum (KZT)		Status	
1	Bank Guarantee				250,000,000	00		Ava	atte	
2	Bank Guarantee				250,000,000.	00		Ava	atile	

Figure 18. Section "Auction". Interface "Trading session is open in course of the auction with documentation"

2. With opened trading session, in the "Auction" section there are 5 information panels (Figure 18):

1) Panel "Status of the trading session" panel with the following fields (filled in automatically):

Field **"Status of the trading session".** Type – text. Uneditable. The field displays the status of the trading session - open/closed/paused/canceled.

Field **"Trading session opening time".** Type – time (HH:MM:SS). Uneditable. The field displays opening time of the trading session.

Field **"Trading session closing time".** Type – time (HH:MM:SS). Uneditable. The field displays closing time of the trading session.

Field **"Trading session opening time".** Type – time (HH:MM:SS). Uneditable. The field displays maximum time of trading session.

Field **"Remaining time".** Type – time (HH:MM:SS). Uneditable. The field displays time remaining before closing of trading session.

2) "Auctions for the selection of RES projects" panel with the following fields (filled in automatically):

Field **"Type of auction".** Type – text. Uneditable. The field displays Type of auction (with documentation, without documentation).

Field "**Bidding Date**". Type – date (YYYY-MM-DD). Uneditable. The field displays auction date.

Field "**Unified Power System Zone**". Type – text. Uneditable. The field displays name of Unified Power System zone (Northern, Southern, Western).

Field **"Type of RES".** Type – text. Uneditable. The field displays type of renewable energy source (SPP, WPP, HPP, BioPP).

Field "Size of Project". Type – text. Uneditable. The field displays the size of the projects in MW (large, over 10 MW, small, 0.75 to 10 MW, small, 0.1 to 10 MW).

Field **"Volume of procured installed capacity, MW".** Type – number. Uneditable. The field displays volume of procured installed capacity (the parameter is not less than 100 kilowatts (kW), a multiple of 1 (one) kW indicated in megawatts (MW)).

Field "Ceiling auction price, KZT/kWh (without VAT)". Type – number. Uneditable. The field displays value of Ceiling auction price, KZT/kWh (price of electric energy per kWh without VAT in national currency of the Republic of Kazakhstan with number of significant digits after decimal place of not more than two).

Field **"Project location".** Type – text. Uneditable. The field displays information about location of the project.

Field "Land area, ha". Type – number. Uneditable. The field should be provided with data on area of land in hectare.

Field **«Connection point».** Format – text, number. Uneditable. The field should be provided with information on the possibility of connecting to the electricity grids of power transmission organizations with the indication of the maximum permissible capacity for electrical grids connection points and the number of possible connections.

 "My bids" table with current bids made. These fields are filled in as bids are received: Button "Select project make a bid". Type – tool for selecting project to make a bid. The button is active when the trading session is opened (Figure 19).

MY BIDS
+ SELECT A PROJECT AND MAKE A BID

Figure 19. "Select project make a bid" button

Column **''Bid number''.** Type – number. Uneditable. The field displays number of bids made.

Column "Bid making time". Type – time. Uneditable. The field displays time of bids made.

Column **"Proposed auction price, KZT/kWh (without VAT)".** Type – number. Uneditable. The field displays proposed auction price, KZT/kWh (without VAT).

Column **"Type of financial guarantee".** Type – text. Uneditable. The field displays the type of financial security.

Column **"Sum of financial security thousand KZT".** Type – number. Uneditable. The field displays sum of financial security thousands of tenge.

Column "Status". Type – text. Uneditable. The field displays status of auctions.

4) Dashboard "Ranked schedule" of proposal compiled on basis of applications submitted by auction participant into the System. The application submitted during the trading session is displayed in red in the ranked schedule, the applications of other participants are displayed in the ranked schedule in black.

5) **"Financial guarantee"** table with the following information:

Column "#". Type – number. Uneditable. The field displays number of financial security.

Column **"Name of financial guarantee".** Type – text. Uneditable. The field displays type of financial security (Bank guarantee, letter of credit).

Column **''Sum (thousand KZT)''.** Type – number. Uneditable. The field displays sum of financial security thousands of tenge.

Column "**Status**". Type – text. Uneditable. The field displays status of financial security (Available, Used).

Field "Minimum declared auction price submitted to the trading system, KZT/kWh (without VAT)". Type – number. Uneditable. The field displays minimum declared auction price submitted to the trading system in KZT/kWh (without VAT), and is changed during auction and only downwards.

Note: during the trading session the following information is available to participants:

1. general information, describing auctions specified in the schedule approved by competent authority:

- trading session opening time;
- trading session closing time;
- maximum time of trading session;
- remaining time of the trading session;
- *type of auction;*

- Unified Power System zone;
- type of RES;
- size of projects;
- volume of procured capacity (MW);
- ceiling auction price (KZT/kWh (without VAT));
- *project location;*
- land area, Ha;
- connection point.

2. bid for participation in auction with documentation submitted by participants with all its parameters (bid price, bid making time);

3. ranked schedule of proposals;

4. the lowest price indicated in applications for participation in auction with documentation for sale.

3. When you click on the **"Select a project and make a bid"** button the System will show the interface of bid making (Figure 20).

laking bid	
FINANCIAL GUARANTEE	
Bank Guarantee	
Bank Guarantee at 250 000 000.00 KZT for 125 MW	
Volume of procured installed capacity, MW	50
Project location	Turkestan region, Otyrar district, Shaulder village
Land area, ha	100
Connection Point	Shaulder SS, 110/35/10
Proposed Auction Price, KZT/kWh (without VAT)	
erver Time: 16:03:49 Remaining The Minimum Declared Auction Pri	ice Submitted to the Trading System, CL
Time : 00:09:11 KZT/kW*h (without VAT): Make a project and submit a

Figure 20. Interface "Submission of bid" of auction with documentation

Interface of "Bid making" contains the following elements:

1) Field "**Financial security.**" Type – text. Editable. In a field by selecting values from the drop-down list, you can enter type of financial security provided by participant for participation in the auction (bank guarantee, letter of credit).

Auctions participant can choose only one type of financial security for each bid.

- 2) Field "Volume of procured installed capacity, MW". Type number. Type number. Uneditable. The field displays volume of procured installed capacity (the parameter is not less than 100 kilowatts (kW), a multiple of 1 (one) kW indicated in megawatts (MW)).
- 3) Field "**Project location**". Type text. Uneditable. The field displays information about location of the project.
- 4) Field "Land area, ha". Type number. Uneditable. The field should be provided with data on area of land in hectare.
- 5) Field **«Connection point».** Format text, number. Uneditable. The field should be provided with information on the possibility of connecting to the electricity grids of power transmission organizations with the indication of the maximum permissible capacity for electrical grids connection points and the number of possible connections.

6) Field **"Proposed auction price, KZT/kWh (without VAT)".** Type – number. Editable. The field should be provided with bid price in KZT per kWh without VAT and with number of significant digits after decimal place of not more than 2.

Attention: Bid price should not exceed the ceiling auction price.

Attention: Price change step is 5 tiyn/kWh (Figure 21).



Figure 21. Dialog window on the inaccurate entry of bid price

Attention: Bid price should not be similar to minimum bid price submitted to the TS. Attention: Bid price should not be similar to bid price of other auctions participant or of your own bid previously submitted (Figure 22).



Figure 22. Dialog window on the inaccurate entry of bid price

- 7) Field "Minimum declared auction price submitted to the trading system, KZT/kWh (without VAT)". Type number. Uneditable. The field displays minimum declared auction price submitted to the TS in KZT/kWh (without VAT)".
- 8) Field "Server time". Type time (HH:MM:SS). Uneditable. The field displays the time of the server by Nur-Sultan time.
- 9) Field **"Remaining time".** Type time (HH:MM:SS). Uneditable. The field displays time remaining before closing of trading session.
- 10) Button "Close". Type tool for closing application submission window and return to auctions main page.
- 11) Button "Submit a bid". Type tool for saving data entered upon successful completion of all fields and submission of application.

4. After clicking the "Make a project and submit a bid" button (Figure 20) a dialog window will be opened with confirmation of accuracy of filling (Figure 23).

Please, confirm if tl	he bid is accurate.
Volume of procured installed capac MW:	ity, 50
Project location:	Turkestan region, Otyrar district Shaulder village
Land area, ha:	100
Connection Point:	Shaulder SS
Proposed Auction Price, KZT/kWh (without VAT):	28.98
NO	YES

Figure 23. Dialog window on confirmation of submission

If You click **No** button, you will be returned to bid editing window.

25)

If You click **Yes** button, the bid will be recorded in the TS database that will be confirmed with pop up dialog window (Figure 24):



Figure 24. Dialog window confirming successful submission

5. Then click the **"OK"** button and you will go to the main auction page (Figure 25). Bid number and bid making time automatically locks after successful submission (Figure

,					_		
				 makina@ka mokina@ka mokina@ka 	venda -		
			E REGISTRATION DATA BEAUCTION		I LOS OUT		
status de the thadhes sed Actue	9 8	Trading Session Opening Time: 16:0 Remaining Time : 00:00:08	3:00	Trading Session Closing Time: 16:25	-27	Maximum trading session time: 16:23:00	
ins.							
typa Naction: Be Power System Zone: 85:	With documentation 2019-07-28 South zone SPP		Size of Projects: Volume of Processed installed Capacity, NW: Ceiling Auction Price, KZT/Roth (withhost VAT)	81g > 10 MW 50 29	Project location Land area, ha Connection Point	Turkestan region, Diyrar district, Shau 1980 Shawaler M, 115/55/99	ider village
			The Minimum Declared Auction Pric	a Submitted to the Trading System, K21/kW*h (without VAT)	3.8		
Bid charge	Bid Norsker	Bid Making Time	Proposal duction Price, 82	(ABb (without VAT)	Type of Vinancial Guarantee	Earn of Financial Security, 821	_
IS TO ORAMON	20	16:21:05.3272	26.00		Bank Guarantee	250,000,000.00	
-							
• <u>•</u>	sis is ús že	sia si sia si	ala n ais é eis é	ela so sia sia sia	ŵ siz ñ siz ñ siz	A 12 B 6A B 42 B	sis
· · · · · · · ·	sia is 1/a 20	ia a ia b	20 2 23 4 43 6	dia na sia sia sia	e as é as e s	A 10 B 60 B 60 B	sis
	uis és da do	- 203 20 203 10		ela ne sila no sila	a 62 a 62 a 63	n 11 6 61 6 61 6	sis Satus
a a b c c c c c c c c c c c c c	uis is uis jo	una da da a	51 A 52 a 45 A	45 F 33 B 33	a a a a a a a	A 0. A 0. A 0. A	Si.s Status

6. The table "My bids" displays data on participant bids. Bid status will be changed to

"Accepted" (Figure 25). Note: Auctions participant may change previously submitted bid, submit a new one, but not to remove.

Financial security status will be changed to "Used" in the "Financial security" table (Figure 25).

7. To change previously submitted bid click on the *result* button before bid number, then bid making window will open with previously entered data.

When updating an previously submitted application, the participant can change the bid price, only downwards with price change step at least 5 tiyn/kWh. Other fields – inactive.

3.4.2. Auction without documentation

1. With opened trading session, in the "Auction" section there are 4 information panels (Figure 26):

1) "Status of the trading session" panel with the following fields (filled in automatically):

Field "Status of the trading session". Type – text. Uneditable. The field displays the status of the trading session – open/closed/suspended/canceled/preliminary results/closed within a minute.

Field **"Trading session opening time".** Type – time (HH:MM:SS). Uneditable. The field displays opening time of the trading session.

Field **"Trading session closing time".** Type – time (HH:MM:SS). Uneditable. The field displays closing time of the trading session.

Field **"Trading session opening time".** Type – time (HH:MM:SS). Uneditable. The field displays maximum time of trading session.

Field **"Remaining time".** Type – time (HH:MM:SS). Uneditable. The field displays time remaining before closing of trading session.

2) **"Auctions for the selection of RES projects"** panel with the following fields (filled in automatically):

Field **"Type of auction".** Type – text. Uneditable. The field displays Type of auction (with documentation, without documentation).

Field **"Bidding Date".** Type – date (YYYY-MM-DD). Uneditable. The field displays auction date.

Field **"Unified Power System Zone".** Type – text. Uneditable. The field displays name of Unified Power System zone (Northern, Southern, Western).

Field **"Type of RES".** Type – text. Uneditable. The field displays type of renewable energy source (SPP, WPP, HPP, BioPP).

Field "Size of Project". Type – text. Uneditable. The field displays the size of the projects in MW (large, over 10 MW, small, 0.75 to 10 MW, small, 0.1 to 10 MW).

Field **"Volume of procured installed capacity, MW".** Type – number. Uneditable. The field displays volume of procured installed capacity (the parameter is not less than 100 kilowatts (kW), a multiple of 1 (one) kW indicated in megawatts (MW)).

Field "Ceiling auction price, KZT/kWh (without VAT)". Type – number. Uneditable. The field displays value of Ceiling auction price, KZT/kWh (price of electric energy per kWh without VAT in national currency of the Republic of Kazakhstan with number of significant digits after decimal place of not more than two).

3) "My bids" table with current bids made. These fields are filled in as bids are received:

Button "Select project make a bid". Type – tool for selecting project to make a bid. The button is active when the trading session is opened (Figure 27).

MY BIDS
+ SELECT A PROJECT AND MAKE A BID

Figure 27. "Select project make a bid" button

Column **''Bid number''.** Type – number. Uneditable. The field displays number of bids made.

Column "Bid making time". Type – time. Uneditable. The field displays time of bids made.

Column **''Volume of project installed capacity, MW''.** Type – number. Uneditable. The field displays volume of project installed capacity, MW.

Column **"Minimum volume of the project installed capacity, MW".** Type – number. Uneditable. The field displays minimum volume of project installed capacity, MW.

Column **"Proposed auction price, KZT/kWh (without VAT)".** Type – number. Uneditable. The field displays proposed auction price, KZT/kWh (without VAT).

Column "Location". Type – text. Uneditable. The field displays name of location.

Column "Land area, ha." Type – number. Uneditable. The field displays area of land in hectares.

Column "Land category". Type – text. Uneditable. The field displays category of land.

Column **''PTL''.** Type – text. Uneditable. The field displays name of power transmission line.

Column "**Name and coordinates of the substation**". Type – text. Uneditable. The field displays name and coordinates of the substation.

Column "Buses". Type – text. Uneditable. The field displays name of the bus.

Column "Limitation on the connected capacity (maximum permissible volume of installed capacity), MW". Type – number. Uneditable. The field displays limitation on the connected capacity in MW.

Column **''Limitation on number of new connections''.** Type – number. Uneditable. The field displays limitation on number of new connections.

Column **"Type of financial guarantee".** Type – text. Uneditable. The field displays the type of financial security.

Column **''Sum of financial security thousand KZT''.** Type – number. Uneditable. The field displays sum of financial security thousands of tenge.

Column "Status". Type – text. Uneditable. The field displays status of auctions.

4) **"Financial guarantee"** table with the following information:

Column "#". Type – number. Uneditable. The field displays number of financial security.

Column **''Name of financial guarantee''.** Type – text. Uneditable. The field displays type of financial security (Bank guarantee, letter of credit).

Column **''Sum (thousand KZT)''.** Type – number. Uneditable. The field displays sum of financial security thousands of tenge.

Column "**Status**". Type – text. Uneditable. The field displays status of financial security (Available, Used).

Field "Minimum declared auction price submitted to the trading system, KZT/kWh (without VAT)". Type – number. Uneditable. The field displays minimum declared auction price submitted to the trading system in KZT/kWh (without VAT), and is changed during auction and only downwards.

Note: during the trading session, the following information is open to auction participants without documentation:

1. general information, describing auctions specified in the schedule approved by competent authority:

- trading session opening time;
- trading session closing time;
- maximum time of trading session;
- remaining time of the trading session;
- *type of auction;*
- Unified Power System zone;
- *type of RES;*
- size of projects;
- volume of procured capacity (MW);
- ceiling auction price (KZT/kWh (without VAT))".

2. bid proposal made by participants with all its parameters (bid price, bid making time);

3. the lowest price indicated in bid proposals for sale (without indication of volumes of installed capacity of other participants).

2. When you click on the **"Select a project and make a bid"** button the System will show the interface of bid making (Figure 28).

Making bid

FINANCIAL GUARANTEE			
Bank Guarantee			
Bank Guarantee at 20 000 000.00 KZT	for 10 MW		v
LAND PLOTS AND CONNECTION POINT			
	 Documents provided by the participant 	From the schedule of auction	
Vc	blume of the Rated Project Capacity, MW		
Minimum Volur	me of the Project Installed Capacity, MW		
Propose	ed Auction Price, KZT/kWh (without VAT)		
Server Time: 16:40:31 Remaining	The Minimum Declared Auction Price	e Submitted to the Trading System,	CLOSE
Time : 00:09:29	KZT/kW*h (wi	ithout VAT):	MAKE A PROJECT AND SUBMIT A BID

Figure 28. Interface "Submission of bid" of auction without documentation

Interface of "Bid making" contains the following elements:

1) Field "**Financial security.**" Type – text. Editable. In a field by selecting values from the drop-down list, you can enter type of financial security provided by participant for participation in the auction (bank guarantee, letter of credit).

Auctions participant can choose only one type of financial security for each bid.

2) Field "Land plot and connection point". Type – checkbox. Editable. The participant may select which land plot will be used to participate in the auction without documentation in the field "Documents provided by the participant" or "From schedule of auction" by filling the checkbox.

If the auctions participant have land plot and connection point for construction of RES facility yet before auction without documentation starts, It is required to set the flag on **"Documents submitted by participant"** field (Figure 29). The list of land plots and connection points will appear in the table with the information as follows:

- Column "Project location" contains information on the name of region, district and settlement, location of land;
- Column "Connection point" contains information on the name and coordinates of the substation;
- Column "Land area, ha" contains information on area of land in hectares.

```
LAND PLOTS AND CONNECTION POINT
```

		 Documents From tl provided by the participant 	:he schedule tion
	Land Plot	Connection Point	Land area, ha
No result	ts found.		

Figure 29. Interface "Submission of bid" of auction without documentation. Land plots data entry

×

If the auctions participant have not had land plot for construction of RES facility yet before auction starts, It is required to set the flag on **"From schedule of auction"** field (Figure 28). The list of land plots and connection points will appear in the table with the information as follows (Figure 30):

- Column "Region" contains information on region of the Republic of Kazakhstan;
- Column "District" contains information on district of land plot situation;
- Column "Location" contains information on settlement of land plot situation;
- Column "Land area, ha" contains information on area of land in hectares;
- Column "Land category" contains information on situation of land (coordinates of site, category of land);
- Column "Power Transmission Organization" contains information on name of the power transmission organization;
- Column "Region" contains information on region of the Republic of Kazakhstan;
- Column "District" contains information on district of connection point situation;
- Column "PTL" contains information on PTL name of connection point;
- Column "Name and Coordinates of Substation" contains information on name of the substation and its coordinates;
- Column "Buses" contains information on voltage of the connection point (in kV);
- Column "Limitation on the connected capacity (maximum permissible volume of installed capacity), MW" contains information on value of limitations volume of installed capacity (in MW);
- Column **''Limitation on number of new connections''** contains information on value of limitations on number of new connections.

LAN	D PLOTS AI	ND CONIN	ECHON	POINT						
						Docum provide particip	ents ® ed by the pant	From th of aucti	ne schedule on	
	Region	Distri	ct	Location	Land area, ha				Land category	
0	Akmola region	Astrakh district	nan No vill	vocherkassk age	10	Locality la 51°26'18.3	nds 51°26'13.175046 311452''N,69°52'37.	58"N,69° 5310484	52'00.3782486"E 51°26'23.0933888"N,69°52'34.2 "E 51°26'08.6723875"N,69°52'03.8313954"E	371264"E
	Pow Transm Organiz	er ission zation	Region	District		PTL	Name and Coordinates of Substation	Buses	Limitation on the connected capacity (maximum permissible volume of installed capacity), MW	Limitation on number of new connections
	JSC Akmo	ola REC	Akmola region	Astrakhan district	Jaltyr - Krasno	Urman - znamenka	Urman-SS (51.436906, 69.874010)	10 kV	7	

Figure 30. Interface "Submission of bid" of auction without documentation. Data entry for land plots and connection point

To select land plot and connection point from the list set the flag on selected land plot.

Attention: During bid making time, if the participant selects land plot from the field **''From schedule of auction''**, the corresponding connection point will remain for selection of the connection point.

3) Field "Volume of project installed capacity, MW". Type – decimal number. Editable. The field should be provided with volume of project installed capacity consisting of not less than 100 kW, a multiple of one kW (in MW). A numeric value can be specified with three digits after decimal place.

Attention: Volume of project installed capacity should must be equal to or less than declared volume of (auction) procured capacity (Figure 31):



Figure 31. Dialog window on incorrect entry of installed capacity volume

Attention: Volume of project installed capacity should correspond to the amount of bid financial security based on bid cost for 1 kW. System checks this condition.

Attention: Volume of project installed capacity shall not exceed value of connection capacity (Figure 31).

4) Field "**Minimum volume of the project installed capacity, MW**". Type – number. Editable. The field should be provided with minimum volume of project installed capacity consisting of not less than 100 kW, a multiple of one kW (in MW) and with number of significant digits after decimal place of not more than 3. Minimum volume of project installed capacity is the capacity below of which the participant in technical terms is not ready to implement the project for construction of new renewable energy sources facility (Figure 21).



Figure 32. Dialog window on incorrect entry of minimum volume of project

installed capacity

5) Field **"Proposed auction price, KZT/kWh (without VAT)".** Type – number. Editable. The field should be provided with bid price in KZT per kWh without VAT and with number of significant digits after decimal place of not more than 2.

Attention: Bid price should not exceed the ceiling auction price.

Attention: Price change step is 5 tiyn/kWh (figure 33).



Figure 33. Dialog window on the inaccurate entry of bid price

Attention: Bid price should not be similar to minimum bid price submitted to the TS.

Attention: Bid price should not be similar to bid price of other auctions participant or of your own bid previously submitted (Figure 34).



Figure 34. Dialog window on the inaccurate entry of bid price

- 6) Field "Minimum declared auction price submitted to the trading system, KZT/kWh (without VAT)". Type number. Uneditable. The field displays minimum declared auction price submitted to the TS in KZT/kWh (without VAT)".
- 7) Button "Close". Type tool for closing application submission window and return to auctions main page.
- 8) Button "**Submit a bid**". Type tool for saving data entered upon successful completion of all fields and submission of application.

3. After clicking the "Make a project and submit a bid" button (Figure 28) a dialog window will be opened with confirmation of accuracy of filling (Figure 35).



Please, confirm if the bid is accurate.

NO	YES
Proposed Auction Price, KZT/kWh (without VAT):	22.65
Minimum Volume of the Project Ins Capacity, MW:	stalled 7
Volume of the Rated Project Capac MW:	ity, 7

Figure 35. Dialog window on confirmation of submission

If You click No button, you will be returned to bid editing window.

If You click **"Yes"** button, the bid will be recorded in the TS database that will be confirmed with pop up dialog window (Figure 36):



Figure 36. Dialog window confirming successful submission

4. Then click the **"OK"** button and you will go to the main auction page (Figure 37). Bid number and bid making time automatically locks after successful submission (Figure

7).															
			Server	r Time: 16:56:40				Technical Sup	port KA3	PVC	ENG				
			6	KOR	REN	N T	he Auctions		mekine@korem.kz + TOO "ZZZZZZZZZ"						
				REGISTRATION	N DATA		# AUCTION		EVENT LOG	🕒 LOG OU	r				
STATUS O	OF THE TRADING SESS	ION:	Tradin Rema	ng Session Openi aining Time : 0	ing Time 00:03:20	e: 16:40: 0	00	Trading Session Clos	ing Time: 17:00:00			Maximum trading s	session time:	17:00:00	
	Active														
UCTIONS															
on type of Auction: Julified Power System Zone of RES:	ne:	Without documen 2019-07-28 North and South 3 WPP	ntation zones		Size of Volume Ceiling	Projects: e of Procu Auction P	ared Installed Capacity, MW: Price, KZT/kWh (without VAT):	Small 0.75-10 MW 10 22.66							
					The	Minimum	n Declared Auction Price Submitted	to the Trading System, KZT/kV	N*h (without VAT): 22.65						
DS Bid change Nam	Bid Making. Time	Volume of the Mi Rated Project th Capacity, MW	Inimum Volume of the Project Installed Capacity, MW	Proposed Auction Price, R27/kWh (without VAT)	The	Minimum Land area, ha	Declared Auction Price Submitted	to the Trading System, KZT/A	W*h (without VAT): 22.65 PTL	Name and Coordinates of Substation	Buses	Limitation on the connected equarity insufarming permissible volume of installed capacity), MW	Limitation on number of new connections	Type of Financial Guarantee	Sum of Financial Security, KZT
DS Bid charge Bi Heats TO CLANKE 1/1	Bid Making Time Time 16:54:26.8237	Volume of the Mi Rated Project Capacity.MW 7 7 7	Inimum Volume of the Project Installed Capacity, MW	Proposed Auction Price, R27AWh (without VAT) 22.65	The Location Akmola region	Land area, ba 10 L 3 5 5	Becland Austion Price Schmitted Lonity and \$1100151704471420 111021004338874(197527353042120) 11110210406473273753043198	to the Trading System, KZT/AL estagony *5200.5782486*E 4*E 4*E 4*E	Wh (without VAT): 22.65 PTL Jaityr - Urman - Krasinoznamerika	Name and Geordinates of Substated Urman-SS (51-436906, 69-874010)	Buses 10 RV	Limitation on the connected crapatity (instituum permittable capacity, MW 7	Limitation on number of new connections	Type of Financial Guarantee Bank Guarantee	Sum of Financial Security, KZT 20,000,000.00
es Bid charge 5 19253 70 CK4002 01 19255 70 CK4002 21	Bid Making Time 105426.0237 1 1655.27.7756	Volume of the Rated Project Capacity.MWV Mth 7 7 7 7 7 7	Inimum Volume of the Project Installed Capacity, MW	Proposed Auction Price, RZTAWh (without WAT) 22.65 22.65	The Location Alomala region Akmala region	Minimum area, ha 10 [5 5 5	Decience Austion Price Schmitter Locality Lines 51*20*13.175044574.66 11*22/23.03348974.69*22*14.2771 11*22/23.03348974.69*22*14.2771 11*22/23.03348974.69*22*14.2771 11*22/23.03348974.69*22*14.2771 11*22*23.03348974.69*22*14.2771 11*22*23.03348974.69*22*14.2771 11*22*23.03348974.69*22*14.2771 11*22*23.03348974.69*22*14.2771 11*22*23.03348974.69*22*14.2771 11*22*23.03348974.69*22*14.2771 11*22*23.03348974.69*22*14.2771 11*22*23.04348974.69*22*14.2771 11*22*23.04348974.69*22*14.5772 11*22*23.04348974.69*22*14.2771 11*22*23.04348974.69*22*14.2771 11*22*23.04348974.69*22*14.2771 11*22*23.04348974.69*22*14.2772 11*22*23.04348974.69*23 11*22*23.04348974.69*23 11*22*23.0434874.69*23 11*22*23.0434874.69*23 11*22*23.0434874.69*23 11*22*23.0434874.69*23 11*22*23.0434874.69*23 11*22*23.0434874.69*23 11*22*23.0434874.69*23 11*22*23.0434874.69*23 11*22*23.0434874.69*23 11*22*23.0434874.69*23 11*22*23.0434874.69*23 11*22*23.0434874.69*23 11*22*23.043474.69*23 11*22*23.043474.69*23 11*22*23.043474.69*23 11*22*23.043474.69*23 11*22*23.043474.69*23 11*22*23.043474.69*23 11*22*23.043474.69*23 11*22*23.043474.69*23 11*22*23.043474.69*23 11*22*23.043474.69*23 11*22*23.043474.69*23.043474.69*23 11*22*25.04374.69	60 the Trading System, KZT/AU cologory "5200375246/E 4/E 4/E 75300375246/E 4/E 4/E 75300375246/E 4/E 4/E	MAR (withhoud VAT): 22,65 Pt. Pt. Jation - Urman - Krasnognammina Jation - Urman - Krasnognammina	Name and Coordinates of Substation Urman-55 (51.45606, 69.874010) Urman-55 (51.45606, 69.874010)	Buses 10 kV 10 kV	Limitation on the connected reparity (maniform permitable values of installed uppertys, MW 7	Limitation on number of new connections	Type of Financial Guarantee Bank Guarantee Bank Guarantee	Sum of Binancial Security, K2T 20,000,000,00
DS Bid charge Bar Heats TO CILLINE 1/1 HEATS TO CILLINE 2/1	Bid ember Bid Making Time 1 16.5426.8237 1 16.55.27.7756	Volume of the Receiption M 7 7 7 7 7 7	Inimum Volume of the Project Installed Capacity, MV	Proposed Auction Price, RZTAWh (without VAT) 22.65 22.65	The Location Akmola region	Minimum area, ba 10 Land 5 5	Deckard Austion Price Schmitted Lord Lord Lord 1019 102 102 102 102 102 102 102 102 102 102	to the Trading System, KTTAN solepay "Status" ASSO 3722.467 E 475 475 475 475 475 475 475 475 475 475	MYN pwithwei VATE 22.63 PTL PTL Attractional Attraction PTL Attractional Attraction PTL	Name and Goedinates of Substation Urman-S5 (51.485606, 69.874010) Urman-S5 (51.485606, 69.874010)	Buses 10 kV 10 kV	Limitation on the connected equatity (nanetwore permissible volume of installed capacity, May 7 7	Unitation on number of new connections	Type of Financial Guarantee Bank Guarantee Bank Guarantee	Som of Financial Security, KZT 20,000,000,00 20,000,000,00
D1 Bit change Bit Bit change D1 D1 PRESS TO CILLORE D1 D1 PRESS TO CILLORE D1 D1	Bid writer Bid Making Time 1 16.54.26.8237 1 16.55.27.7756	Volume of the Recter Project Mit 7 7 7 7 7 7	Inimum Volume of a Project Installed Capacity, MV	Proposed Austien Price, R27AWh Julibau W13 22.66 22.55	Location Akmola region	Land area, ba 10 L 5 5 5 5 5 5 5 5 5 5 5 5	Deckered Austion Price Schmittzed Locality lands \$1*20*13.125044374,66 11*22*23.03314874,64*25*14.23*7 11*22*23.03314874,64*25*14.23*7 12*22*200447.23*274*70*20.33*3 10*20*0447.23*274*70*20.33*10 10*20*0447.23*75*14.0*5*20.33*10 15*12*0*06.672*875*14.0*5*20.33*109	to the Trading System, KTTAN category 15200.3722486*E 44 45 15200.3722486*E 44 45 15200.3722486*E 44 45 15200.3722486*E 44 45	MPh porthonal VATE 22.65 PTL prth participant Parts prth participant Parts prth parts pr	Name and Geordinates of Substation Urman-S5 (51-38960, 69.874010) Urman-S5 (51-38960, 69.874010)	Buses 10 kV 10 kV	Limitation on the convected capacity (seathware permittable volume of installed capacity, MW 7 7	Limitation on number of exercises	Type of Financial Guarantee Bank Guarantee Bank Guarantee	Sourced 5 Financial 5 Security, KET 20,000,000,00 20,000,000,00 4
DS Bid shange Barr HASS TO CILLING 21 PERS TO CILLING 21 KCLL GLARANTEE	Bird Bird Jhalong Tome 1 16.54.26.8327 1 16.55.27.7756	Volume of the Reset Project Capacity.MWV Ht 7 7 7 7	Inimum Volume of a Project Installed Capacity, MV	Proposed Auction Price, 827049h justicourt VI 22.66 22.65 22.65	Location Akmola region Akmola region	Minimum Land area, ha 10 L 5 5 5	Deckered Austion Price Scientifics Locality lands 51*20*13.17504874,64 19*027-00000000000000000000000000000000000	to the Trading System, KETAV estagoy 15200.3782486/E 47 47 15200.3782486/E 47 47 15200.3782486/E 47 47 15200.3782486/E 47 47 15200.3782486/E 47 4 15	Whitewood VATE 22.65 PTL PTL Jategy - Umman - Kraingonsteinensa Jategy - Umman - Kraingonsteinensa Jategy - Umman - Kraingonsteinensa	Name and Goodinases of Substation Umman-SS (31.45696, 63.874010) Umman-SS (31.45696, 69.874010)	Buses 10 kV 10 kV	Limitation on the connected repartity (maintum preminible volume of installed capacitys, MW 7 7	Limitation on number of new connections	Type of Financial Guarantee Bank Guarantee Bank Guarantee	2000 00 Security X7 20.000.000.00 20.000.000.00 20.000.000.
05 Bid shange Barn 17 17255 10 CH4405 11 17255 10 CH4405 11 21 21 21 21 21 21 21 21 21 21 21 21 2	Bird Bird Making Time 1 16.54.26.827 1 16.54.26.827 1 16.54.27.7756	Wolcowie of them Mil Reset Project Bit Coportig, MW 7 7 7 7 7	tnimum Volume of a Project Installed Coperity, MV	Prepared Auction Press, K270496 [outboart VAT] 22.66 22.65 Xame of Financial	Location Akmola region Akmola	Land area, ha	Declared Austion Price Schmitted Land	19 the Triefing System, KETAX entryse 19200 37208/FE 475 475 475 475 475 475 475 475	Whitewood VAITy 22.63 PTL PTL Station-Commencial Station-Commenci Station-Commenci<	Rame and Geneticate of Substation Urman-S5 (51.45696, 69.874010) Urman-S5 (51.45696, 69.874010)	Buses 10 20 20 20 20 20 20 20 20 20 20 20 20 20	Listitution on the connected whether of installed capacity, MW 7	Limitation on number of new connections	Type of Financial Guarantee Bank Guarantee Bank Guarantee	Som of Prencial Security, SZ 20,000,000,00 20,000,000,00 20,000,000,

Figure 37. Section "Auction". Interface after bid submission

5. The table **"My bids"** displays data on participant bids. Bid status will be changed to "Accepted" (Figure 37).

Note: Auctions participant may change previously submitted bid, submit a new one, but not to remove.

Financial security status will be changed to "Used" in the **''Financial security''** table (Figure 37).

6. To change previously submitted bid click on the *rease* button before bid number, then bid making window will open with previously entered data.

When updating a previously submitted bid, auctions participant can change bid price and only towards reduction. Other fields – inactive.

3.4.3. Special aspects of BioPP auction

1. During the auction for selection of projects using biomass, biogas and other fuels from organic waste used for electricity production the preliminary results are summed up at the end of trading session.

If the auction participant according to the preliminary results became the winner, the window will appear as follows:

	server rime: 1700-00 😜 lectnica		Cylectinical support was PAC and				
		 makina@korem.kz - Too "ZZZZZZZZZ" 					
	■REGISTRATION DATA #AUCTION	ARCHIVE EVENT LOG (* LOG OUT					
STATUS OF THE TRADING SESSION:	Trading Session Opening Time: 17:05:00	Trading Session Closing Time: 17:15:00	Maximum trading session time: 17:25:00				
Active	Remaining Time : 00:09:20						
THE AUCTIONS							
Auction type Without docu Date of Auction: 2019-07-28 The Unified Power System Zone: Al zones Type of RtS: BioPP	mentation Size of Projects: Volume of Procured Installed Capacity, MW: Cetting Auction Price, RZT/RWh (without VAT):	Small 0.1-10 MW 10 32.15					
	The Minimum Declared Auction Price Sub	mitted to the Trading System, KZT/kW*h (without VAT):					
MY BIDS							
+ SELECT A PROJECT AND MAKE A BID							
Bid Bid Bid Making Volume of the Rated Project Minin In Change Number Time Capacity, MW In	num Volume of the Project Proposed Auction Price, KZT/KWh Location Land Land Land stabiled Capacity, MW (withhout VAT)	PTL Name and Coordinates of Buses Limitation on the connected capacity (max volume of installed capacity)	timum permissible Limitation on number of Type of Financial Sum of Financial Security, K2T Status				
No results round.							
FINANCIAL GUARANTEE							
	Name of Financial Guarantee	Sum (KZT)	Status				
1 Bank Guarantee		20,000,000.00	Arakatin				
2 Bank Guarantee		20.000.000	Available				

Figure 38. Section "Auction". Interface of the winner

2. For participant whose volumes are not included in the volume of purchased capacity, a dialog box will appear with proposal to implement their application at the minimum winner: • YES • NO SEND

Figure 39. Section "Auction". Interface of offer.

3. When you click **«Yes»** (Figure 39), a dialog box will appear confirming your acceptance of offer (Figure 40).



Hereby, I confirm my consent to the implementation of my bid No.1/1 with the project installed capacity - 10 MW at the price indicated in the preliminary list of the auction winners - **31.00 tg/kW*h**.



Figure 40. Dialog box about confirmation of consent to proposal

If You click **"Yes"** button, the bid will be included in the list of winners at the winner's minimum price which will be confirmed with pop up dialog window (Figure 41):



Figure 41. Dialog box about inclusion into the list of winners.

4. Then click the **"OK"** button and you will go to the main auction page (Figure 42):

	Bpe	омя на сервере: 15:55:48		Тех поддержа	a 1943	PYC ENO	
			Аукционные торги		makina@korem.kz → makinaйтер" ЖШС		
		📰 РЕГИСТРАЦИОННЫЕ ДАННЫЕ	≓ АУКЦИОННЫЕ ТОРГИ	🖬 АРХИВ 🔤 🕱	урнал событий	в выйти из системы	
	статус торговой сессии: Предварительные итоги	Время открытия торговой сее Осталось: 00:03:20	ссии: 15:43:00	Время закрытия торго	вой сессии: 15:59:08	3	Максимальное время торговой сессии: 16:43:00
АУКЦИОННЫЕ ТОР	ЯГИ						
Тип аукциона Дата торгов: Зона ЕЭС: Тип ВИЭ:	Ees долументации 2019-07-15 Все зоны БиеЭС	Величии Объема мощност Величии тт/кВт^ч	на проектов: акупаемой установленной ки, МВт на предельной аукционной цены, (боз НДС):	Малые от 0.1 до 10 МВт 10 32.15			
		Минималь	ная заявленная аукционная цена, пој	анная в торговую систему, тт/и	:Вт^ч (без НДС): 31.98		
МОИ ЗАЯВКИ							
		ПОЗ,	ДРАВЛЯЕМ, ТЕПЕРЬ В Поккалуйста, теперь дождит	В В СПИСКЕ ПОБЕ всь ответа остальных участников	ЕДИТЕЛЕЙ!		
ФИНАНСОВОЕ ОБЕСІ	печение						
nin 1	Банковская гарантия	Наименование финансового об	еслечения		20 000 000,00	Сумма (тенге)	Статуе

Figure 42. Section "Auction". Interface after confirmation

5. If You refuse the proposal to sell your application at the minimum auction winner price, You need to click "**No**" (Figure 39) and a dialog box with confirmation of answer will appear (Figure 43).



Figure 43. Dialog box about confirmation of answer

6. Then click the "Yes" button and you will go to the main auction page (Figure 44).

			время на сервере: 15:39:42		CD Tex.nd	адержка м	5 170 513		
				Аукционные торги		Imakina@korem.i Imakina@korem.i Imakina@korem.i Imakina@korem.i	e •		
			В РЕГИСТРАЦИОННЫЕ ДАННЫЕ	ажционные торги	АРХИВ	Журнал событий	енали из системы		
	статус торговой сессии: Предварительные итоги		Время открытия торговой сессии Осталось: 00:04:23	15:15:00	Время закрыти	я торговой сессии: 15 :4	44:05	Максимальное время	торговой сессии: 15:35:00
АУКЦИОННЫЕ ТОРГИ	i),								
Тип аукциона Дата торгов: Зона ЕЭС: Тип ВИЗ:		Без документации 2019-07-23 Все зоны БиоЭС	Величина г Объем заку МВт Величина г кВт ⁴ ч (без)	іроектов: паемой установленной мощности, іредельной вухционной цены, тт/ 4ДС]:	Малые от 0.1 до 10 10 32.15	MBT			
			Минималь	нап заявленная аукционная цена, подг	ыныя в торговую сис	тему, тт/кВт*ч (без НДС): <mark>З(</mark>	3.00		
мои заявки			ПОЖАЛУЙС	ГА, ТЕПЕРЬ ДОЖДИТЕСЬ	РЕШЕНИЯ ОС	ТАЛЬНЫХ УЧАСТІ	НИКОВ.		
NHAHCOBOE OSECTIE	чение								
n/n	Банковская гарантия		Наименевание финансового обеспечения		20	156 460 574 064,00	Суника (тенга)		Cratyc

Figure 44. Section "Auction". Interface after the failure of offer

3.5. Archive

1. Go to the "Archive" section. The system will show the "Archive of conducted auctions" interface with the **"Select the auctions"** field. After selecting auction for relevant date, click on the **"Show"** button (Figure 45).

Аукционные торги	и	🕲 semsk.princess@ 📾 TOO "Sun Force"	mail.ru 👻
ННЫЕ ≓ АУКЦИОННЫЕ ТОРГИ	архив	🛛 ЖУРНАЛ СОБЫТИЙ	🗈 ВЫЙТИ ИЗ СИСТЕМЫ
(ЦИОННЫХ ТОРГОВ			
2019-07-10/ВЭС/Все зоны/Малые от 0.75 ,	до 10 МВт	•	ПОКАЗАТЬ
	Аукционные торги ные ⊭ Аукционные торги ционных торгов 2019-07-10/ВЭС/Все зоны/Малые от 0.75	Аукционные торги ные алукционные торги ■архив сционных торгов 2019-07-10/ВЭС/Все зоны/Малые от 0.75 до 10 МВт	Аукционные торги

Figure 45. "Archive" section

2. The system will show an interface with detailed information on conducted auctions, on submitted bids and transactions by the auctions participant on selected auctions (Figure 46).

Выбе аукционные т	рите 2019-07-09/С орги	ЭС/Южная зона/Крупные свыше '	10 MBT		ТОКАЗАТЬ
формация с	об аукционных то	ргах: 2019-07-09/СЭС/Юж	кная зона/Крупны	ые свыше 10 МВт	
КЦИОННЫЕ ТО	рги		ЗАЯВЛЕННЫЕ О	5ъемы и цены	
на ЕЭС: Iп ВИЭ: личина проек 5ъем закупаем ощности, МВт еличина преде	тов: юй установленной льной аукционной	Южная зона СЭС Крупные свыше 10 МВт 50 29	Суммарный об Максимальны Минимальный Минимальная Максимальная	іъем, МВт й объем, МВт і объем, МВт цена, тг/кВт*ч і цена, тг/кВт*ч	350 50 24.00 27.85
ФОРМАЦИЯ О	МОИХ ПОДАННЫХ ЗАЯВ	KAX			
нФОРМАЦИЯ О Номер заявки	МОИХ ПОДАННЫХ ЗАЯВ Время подачи заявки	КАХ Объем установленной мощ	ности проекта, МВт	Заявляемая аукцио	онная цена, тг/кВт*ч (без НДС)
фОРМАЦИЯ О Номер заявки /1	моих поданных заяви Время подачи заявки 14:44:15.4128	КАХ Объем установленной мощ 50.000	ности проекта, МВт	Заявляемая аукцио 27,48	онная цена, тг/кВт*ч (без НДС)
ФОРМАЦИЯ О Номер заявки /1 ИСОК ПОБЕДИТ	МОИХ ПОДАННЫХ ЗАЯВ Время подачи заявки 14:44:15.4128 ТЕЛЕЙ АУКЦИОННЫХ ТО	КАХ Объем установленной мощ 50.000 РГОВ	ности проекта, МВт	Заявляемая аукцио 27.48	онная цена, тг/кВт*ч (без НДС)
формация о Номер заявки /1 Исок поведит Номер сде	МОИХ ПОДАННЫХ ЗАЯВ Время подачи заявки 14:44:15.4128 ТЕЛЕЙ АУКЦИОННЫХ ТО РЛКИ ПОбедители	КАХ Объем установленной мощ 50.000 РГОВ объем установленной ми	ности проекта, МВт ощности проекта, МВт	Заявляемая аукцио 27.48 Заявляемая аукци	онная цена, тг/кВт*ч (без НДС) нонная цена, тг/кВт*ч (без НДС)
ноормация о Номер заявки /1 исок победит 	МОИХ ПОДАННЫХ ЗАЯВИ Время подачи заявки 14:44:15.4128 ГЕЛЕЙ АУКЦИОННЫХ ТОІ 2лки Победители 70719 ТОО "Мощності	КАХ Объем установленной мощ 50.000 РГОВ РГОВ Сбъем установленной мо ль" 50.000	ности проекта, МВт ощности проекта, МВт	Заявляемая аукции 27.48 Заявляемая аукции 24.00	онная цена, тг/кВт*ч (без НДС) понная цена, тг/кВт*ч (без НДС)
ноормация о Номер заявки /1 ИСОК ПОБЕДИТ * Номер сде P_SB-001-09	МОИХ ПОДАННЫХ ЗАЯВ Время подачи заявки 14:44:15.4128 ТЕЛЕЙ АУКЦИОННЫХ ТОГ РЛКИ Победителл 20719 ТОО "Мощност	КАХ Объем установленной мощ 50.000	июсти проекта, МВт ощности проекта, МВт	Заявляемая аукции 27.48 Заявляемая аукции 24.00	онная цена, тг/кВт*ч (без НДС) 10нная цена, тг/кВт*ч (без НДС)
ноормация о Номер заявки /1 исок поведит номер сде P_58-001-094	МОИХ ПОДАННЫХ ЗАЯВ Время подачи заявки 14:44:15.4128 ТЕЛЕЙ АУКЦИОННЫХ ТО ТОКИ Победители 0719 ТОО "Мощност	КАХ Объем установленной мощ 50.000 РГОВ 	ности проекта, МВт ощности проекта, МВт	Заявляемая аукцио 27.48 Заявляемая аукцио 24.00	онная цена, тг/кВт*ч (без НДС) понная цена, тг/кВт*ч (без НДС)

Figure 46. Interface "Information on the auction"

Interface "Information about auctions" consists of the following elements (Figure 46):

The "**Auctions**" dashboard contains general information on auctions in accordance with the schedule of holding of the auctions (Unified Power System zone, Type of RES, Size of projects, volume of procured installed capacity, MW, ceiling auction price, KZT/kWh (without VAT)).

"Declared volumes and prices" dashboard contains general information on bids submitted to the TS from all sellers (Total volume, MW, the Maximum volume, MW, the Minimum volume, MW, the Minimum price, KZT/kWh, the Maximum price, KZT/kWh).

The **"Information about my bids"** table contains information on all auctions participant's bids submitted in TS for sale:

Column **''Bid number''.** Type – number. Uneditable. The field displays numbers of bids made.

Column "Bid making time". Type – time. Uneditable. The field displays time of bids made.

Column **''Volume of project installed capacity, MW''.** Type – number. Uneditable. The field displays volume of project installed capacity, MW.

Column **"Minimum volume of the project installed capacity, MW".** Type – number. Uneditable. The field displays minimum volume of project installed capacity, MW.

Column **"Proposed auction price, KZT/kWh (without VAT)".** Type – number. Uneditable. The field displays proposed auction price without VAT in KZT/kWh.

The **''List of auction winners''** table contains information on auction winners after closing trading session:

Column "**Bid number''.** Type – number. Uneditable. The field displays number of transaction.

Column "Winner". Type – text. Uneditable. The field displays name of winner company.

Column **''Volume of project installed capacity, MW''.** Type – number. Uneditable. The field displays volume of project installed capacity, MW.

Column **"Proposed auction price, KZT/kWh (without VAT)".** Type – number. Uneditable. The field displays proposed auction price without VAT in KZT/kWh.

3.6. Event log

1. Go to "Event log". The system will show an interface to view information on all actions of auctions participant and notification on auction results (Figure 47):

Аукционные торг		ные торги	④ semsk:princess@mail.ru ▼ ☎ TOO "Sun Force"				
	РЕГИСТРАЦИОННЫЕ ДАННЫЕ	≓ АУКЦИОН	НЫЕ ТОРГИ	🖬 АРХИВ	🛛 ЖУРНАЛ СОБЫТИЙ	с выйти из с	истемы
Ку оказа	рнал событий вны записи 101-116 из 116.						
n/n		ІР-адрес		Действ	ие	Дата	Время
101	Сейлханова Айгерим Сеилхановна	192.168.47.64	Подана заявка №2	2/4 на продажу взамен	ранее поданной №2/3	11.10.2018	12:23:43
102	Сейлханова Айгерим Сеилхановна	192.168.47.79	Подана заявка №	1/3 на продажу взамен	ранее поданной №1/2	11.10.2018	12:23:42
103	Сейлханова Айгерим Сеилхановна	192.168.47.64	Подана заявка №2	2/3 на продажу взамен	ранее поданной №2/2	11.10.2018	12:22:59
104	Сейлханова Айгерим Сеилхановна	192.168.47.64	Подана заявка №	1/2 на продажу взамен	ранее поданной №1/1	11.10.2018	12:22:19
105	Сейлханова Айгерим Сеилхановна	192.168.47.79	Подана заявка №	2/2 на продажу взамен	ранее поданной №2/1	11.10.2018	12:21:22
106	Сейлханова Айгерим Сеилхановна	192.168.47.64	Подана заявка на	продажу №2/1		11.10.2018	12:19:13
107	Сейлханова Айгерим Сеилхановна	192.168.47.64	Подана заявка на	продажу №1/1		11.10.2018	12:18:2
108	Сейлханова Айгерим Сеилхановна	192.168.47.64	Минимальный об величины проект	ъем (10) установленної а	й мощности проекта меньше	11.10.2018	12:18:16
109	Сейлханова Айгерим Сеилхановна	192.168.47.64	Минимальный об величины проект	бъем (5) установленной а	мощности проекта меньше	11.10.2018	12:18:00
110	Сейлханова Айгерим Сеилхановна	192.168.47.64	Минимальный об величины проект	ъем (5) установленной а	мощности проекта меньше	11.10.2018	12:17:4
111	Сейлханова Айгерим Сеилхановна	192.168.47.64	Информация отпр	равлена на проверку ог	ератору аукционных торгов	11.10.2018	12:09:13
112	Сейлханова Айгерим Сеилхановна	192.168.47.64	Изменение данны	ых в разделе "Информа:	ция об организации"	11.10.2018	12:09:10
113	Сейлханова Айгерим Сеилхановна	192.168.47.64	Загружен новый д	документ		11.10.2018	12:09:10
114	Сейлханова Айгерим Сеилхановна	192.168.47.64	Загружен новый д	документ		11.10.2018	12:09:10
115	Сейлханова Айгерим Сеилхановна	192.168.47.64	Загружен новый д	документ		11.10.2018	12:09:10
116	Сейлханова Айгерим Сеилхановна	192.168.47.64	Регистрация в сис	стеме		11.10.2018	12:07:07

Figure 47. "Event log" section

Interface contains "Event log" table with the following elements:

Column "User". Type – text. Uneditable. The field displays the user name.

Column "**IP address**". Type – text. Uneditable. The field displays the IP address of the

user.

Column "Action". Type – text. Uneditable. The field displays description of event made by the user.

Column "Date". Type – date. Uneditable. The field displays event date.

Column "Time". Type – time. Uneditable. The field displays event time.

3.7. User profile

1. Hover over your username (user email address) and click on the **"My profile"** link. The system will show an interface for viewing and editing data in the user profile (Figure 48).

	Аукционн	ые торги		(§) semsk.princess() () "Sun Force	⊉mail.ru → "
🖽 РЕГИСТРАЦИОННЫЕ ДАННЫЕ	⇔ АУКЦИОНН	ЫЕ ТОРГИ	архив	🛛 ЖУРНАЛ СОБЫТИЙ	🕞 ВЫЙТИ ИЗ СИСТЕМЫ
мой профиль					
	Ф.И.О. *	Сейлханова Айгери	м Сеилхановна		
	E-mail	semsk.princess@ma	il.ru		
Te	кущий пароль				
	Новый пароль				
		СОХРАНИТЬ ИНФС	ррмацию		

Figure 48. Interface "My profile"

2. Click "Save form" after editing the information (Figure 49). The system will save changes made.

Interface of "My profile" contains the following elements:

Field "Full name". Type – text. Editable. The field should be provided with user name.

Field "E-mail". Type – text. Uneditable. The field displays e-mail address of the user.

Field "**Current password**". Type – text. Editable. The field should be provided with current password of the user.

Field "New password". Type – text. Editable. The field should be provided with new password of the user.

Button "Save information" is a tool for saving the data entered.

3. To log out the System, hover over the user name (email address) and click on the "**Log** out" link . Or click on the "**Log out**" section (Figure 29). The system will automatically direct You to the trading system home page.

Аукционные торги				● semsk,princess@mail.ru ▼ Мой профиль Выйти из системы		
📰 РЕГИСТРАЦИОННЫЕ ДАННЫЕ	аукционные т	торги	🖬 АРХИВ	🛛 ЖУРНАЛ СОБЫТИЙ	🕞 ВЫЙТИ ИЗ СИСТЕМЫ	
мой профиль						
	Ф.И.О. * Сей	лханова Айгер	им Сеилхановна			
	E-mail sem	isk.princess@m	ail.ru			
Текущий пароль						
	Новый пароль					
	c	ОХРАНИТЬ ИНФ	ормацию			

Figure 48. Log out

4. EMERGENCY

In the event of errors during work with JSC KOREM TS, contact technical support staff (Call-center of auctions operator).

To contact technical support staff, click on <u>"Technical support"</u> link at the top of the page, where phone numbers and e-mail addresses of auctions operators are shown.

In such case provide as full as possible information about the problem, what actions were performed before the problem occurred, what messages were displayed. You also need make screenshot showing errors occurred and send by e-mail.

The list of possible errors is given in Annex 1.

1. The auctions may be suspended for a period of up to 30 minutes in the event of the following circumstances:

- 1) technical problems on server hardware or failures in electronic system led to malfunction of the trading system;
- 2) technical problems of hardware or Internet data lines led to impossibility of access to the trading system.

2. Upon suspension of auction the Organizer via available technical means of communication will promptly inform You on cause of auction suspension indicating timeframes whithin of which auctions process will be restored.

In case of auction suspension the trading session's "Open" status will be switched to "Suspended" status. "My bids" window will show the "Auctions have been interrupted for technical issues" message to all participants. The auctions suspension countdown timer will start up.

- 3. Auctions may be canceled in the event of the following circumstances:
 - troubleshooting takes more than 30 minutes;
 - sustained (over two hours) interruption in electricity supply of trading room and (or) server hardware of the trading system;
 - prohibition on holding of auctions on the part of public authorities and management;
 - other non-standard situations that lead to failure of the trading system or failure of auction holding.

4. In case of cancellation of auctions without documentation, the second auction is transferred on the next working day and are held from 9.00 am to 12.00 am by Nur-Sultan time after auction cancellation date. In this case, bids submitted by the participants will be void and resubmitted on the next day of the auction.

5. In case the auction with documentation is declared not taken place for the reasons specified in paragraph 51 of these Rules, the Organizer carries out them again in a month.

At the same time, if the repeated auction with documentation is declared to be void, the authorized body shall determine the date of the next auction.

5. RECOMMENDATIONS ON LEARNING

For complete understanding of the system, it is recommended to see the documentation on holding auctions and documentation describing renewable energy sources projects.

6. ABBREVIATIONS AND CONTRACTIONS

JSC	Joint-stock company
BIC	Bank identification code
BIN	Business identification number
BioPP	Biopower plant
RES	Renewable energy sources
WPP	Wind power plant
HPP	Hydropower plant
UPS	Unified Power System
PTL	Power transmission line
VAT	Value added tax
PC	Personal computer
RK	The Republic of Kazakhstan
SPP	Solar power plant
TS	Trading system
JSC KOREM TS	The system of "Auctions holding"
	JSC KOREM
Full name	Last name, first name, patronymic
FLC	Format-logical control

System message

Error	Description of the error	Required actions		
The server was not found. The page cannot be displayed	Possibly you have problems with network or with access to the systemRestart the browser. If helps, contact support service			
You should fill the "Login" in	During signing up in the system you did not enter user name	Enter the user name		
You should fill the "Password" in	During signing up in the system you did not enter the password	Enter the password		
Incorrect username or password	You've entered incorrect user name or password, or this account is not registered	Reenter the user name and password. If your account disabled, contact technical support service		
You should fill the <> field in	<> fields are not filled in	Fill in all mandatory fields (highlighted in red)		
Failure of workstation electricity	Either workstation was shut down or rebooted	Restart the workstation		
Network failure	No network communication available between the workstation and application server	Restart the workstation. Check the server availability		

During Subsystem operation, the messages are shown contained in the table: