

# Daily auctions performed by EMS JSC Belgrade

Market Division  
Belgrade 2019



JOINT STOCK COMPANY  
ELEKTROMREŽA SRBIJE

# Daily Auctions

## ➤ Daily Auction Specification:

### ➤ Four Separated Auctions (per border direction):

- Romania – Serbia
- Serbia – Romania
- Hungary – Serbia
- Serbia – Hungary
- Macedonia – Serbia
- Serbia – Macedonia

### ➤ Publishing ATC: until 9:00h

### ➤ Submitting Bids: 9:00h till 9:30h

### ➤ Publishing Results:

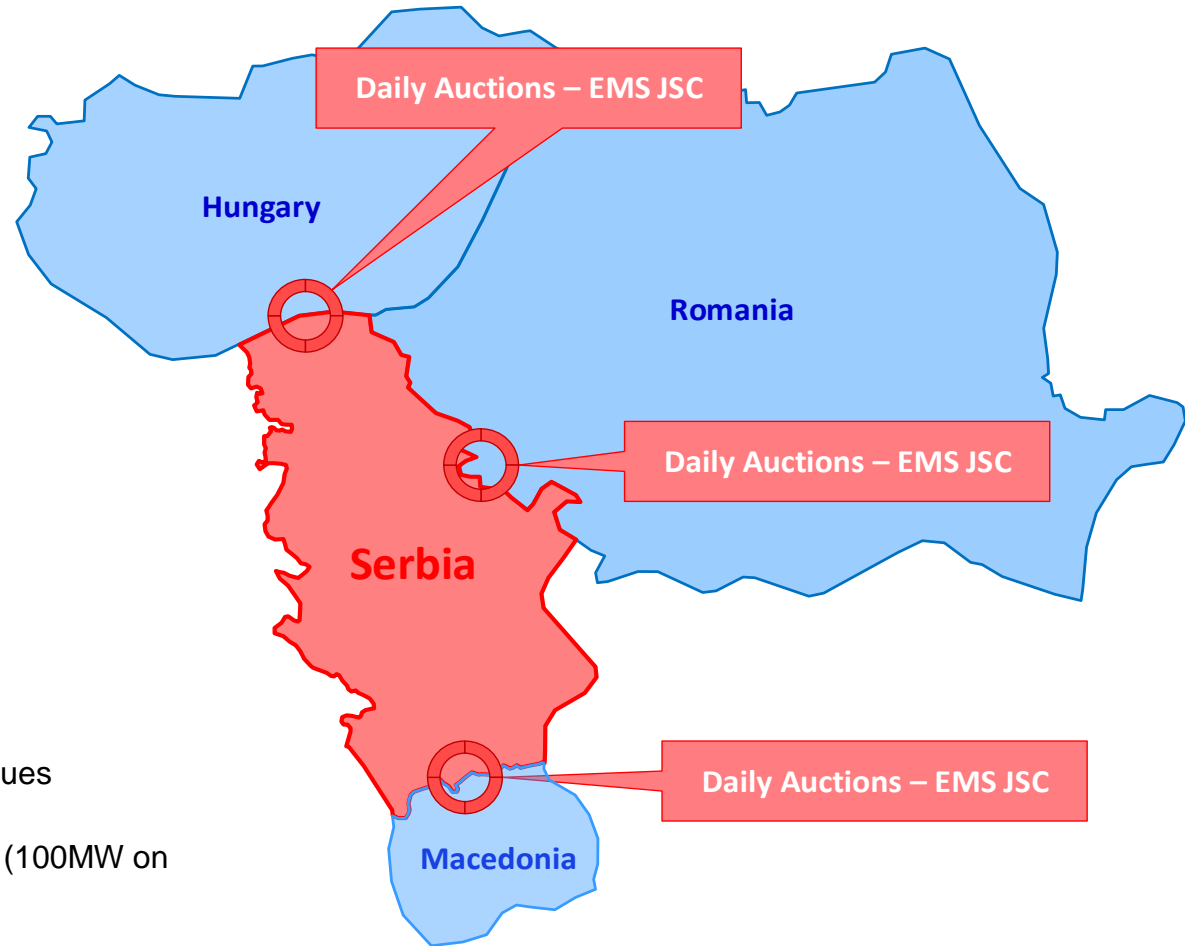
- 9:40h in DAMAS
- 10:15h on EMS web-site

### ➤ Auction configuration:

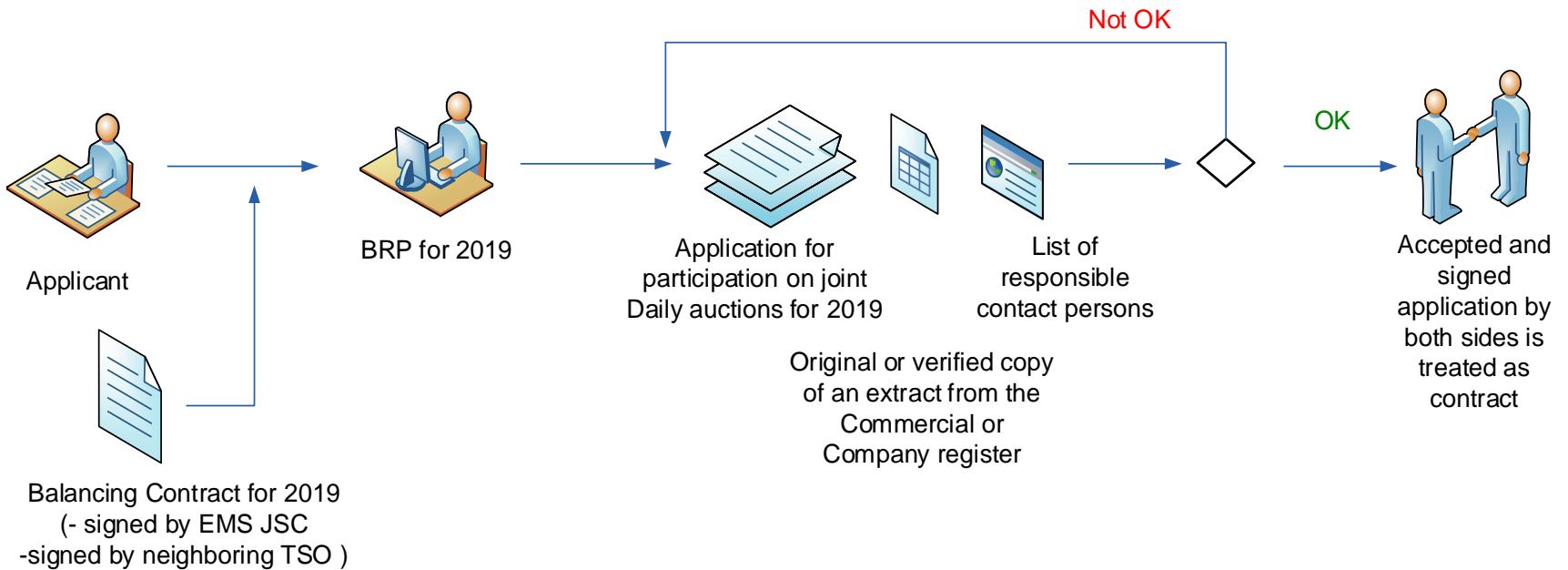
- One bid contents 24 hourly values
- Min and max bid value:
  - min -> 1MW, max -> 70MW (100MW on Hungary-Serbia border)
- Max number of bids: 10
- Min bid price value: 0.01€/MWh

### ➤ Auction evaluation algorithm:

- Marginal price



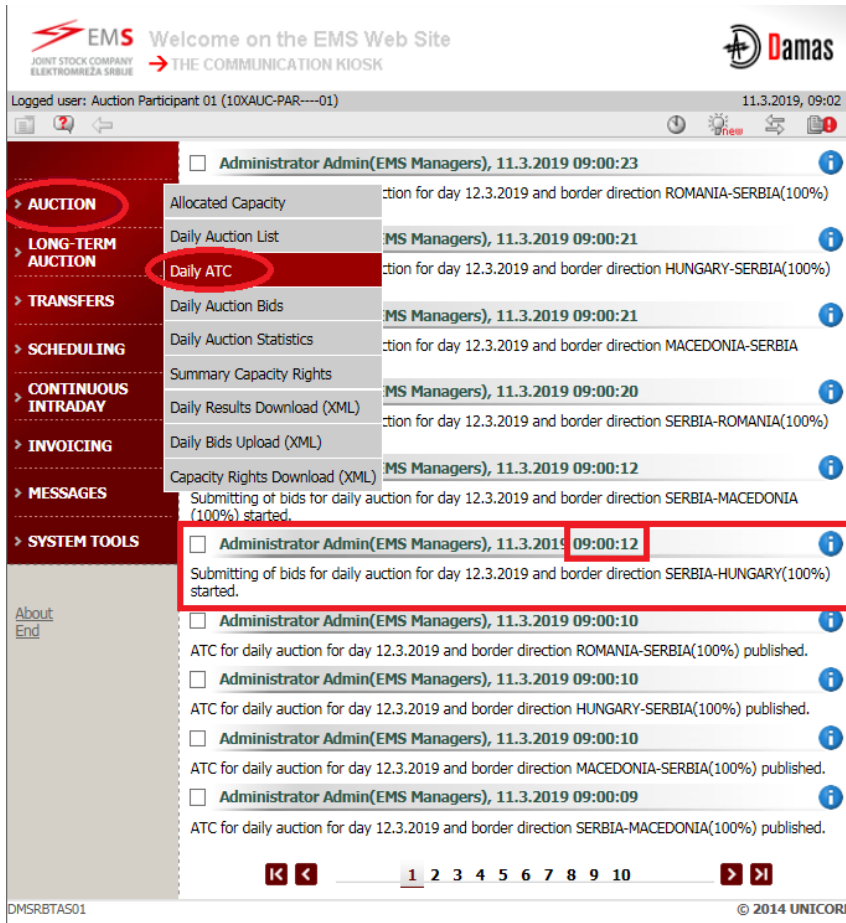
# Application for Participation on Daily Auctions for 2019



- Deadline for registration for Market Day D:
  - 7 working days before Market day D at 12:00h

# Daily ATC Preview

- Daily ATC will be published until 9:00h
- Select right data to see daily ATC



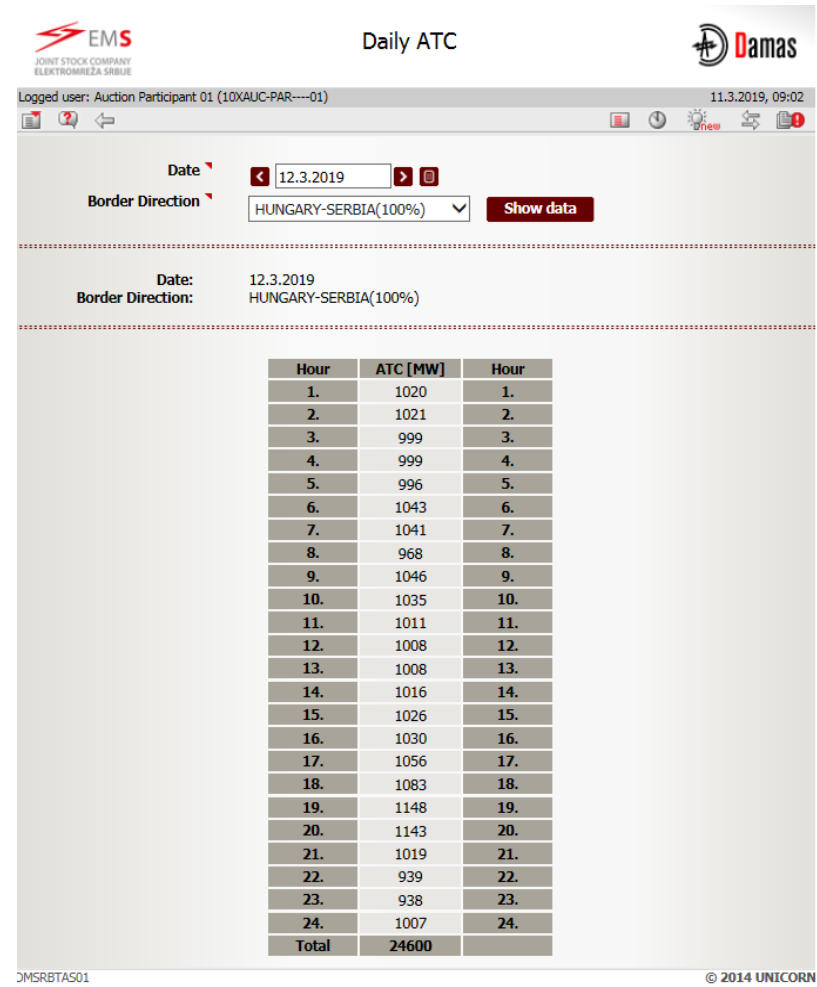
Welcome on the EMS Web Site  
THE COMMUNICATION KIOSK

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:02

- Administrator Admin(EMS Managers), 11.3.2019 09:00:23
- AUCTION**
- Allocated Capacity
- Daily Auction List
- Daily ATC**
- TRANSFERS
- Daily Auction Bids
- Daily Auction Statistics
- SCHEDULING
- Summary Capacity Rights
- CONTINUOUS INTRADAY
- Daily Results Download (XML)
- Daily Bids Upload (XML)
- INVOICING
- Capacity Rights Download (XML)
- MESSAGES
- Submitting of bids for daily auction for day 12.3.2019 and border direction SERBIA-MACEDONIA (100%) started.
- SYSTEM TOOLS
- Administrator Admin(EMS Managers), 11.3.2019 09:00:12
- Submitting of bids for daily auction for day 12.3.2019 and border direction SERBIA-HUNGARY(100%) started.
- Administrator Admin(EMS Managers), 11.3.2019 09:00:10
- ATC for daily auction for day 12.3.2019 and border direction ROMANIA-SERBIA(100%) published.
- Administrator Admin(EMS Managers), 11.3.2019 09:00:10
- ATC for daily auction for day 12.3.2019 and border direction HUNGARY-SERBIA(100%) published.
- Administrator Admin(EMS Managers), 11.3.2019 09:00:10
- ATC for daily auction for day 12.3.2019 and border direction MACEDONIA-SERBIA(100%) published.
- Administrator Admin(EMS Managers), 11.3.2019 09:00:09
- ATC for daily auction for day 12.3.2019 and border direction SERBIA-MACEDONIA(100%) published.

1 2 3 4 5 6 7 8 9 10

DMSRBTAS01 © 2014 UNICORN



EMS JOINT STOCK COMPANY ELEKTROMREŽA SRBIJE

Daily ATC

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:02

Date: 12.3.2019

Border Direction: HUNGARY-SERBIA(100%) **Show data**

Date: 12.3.2019  
Border Direction: HUNGARY-SERBIA(100%)

Hour	ATC [MW]	Hour
1.	1020	1.
2.	1021	2.
3.	999	3.
4.	999	4.
5.	996	5.
6.	1043	6.
7.	1041	7.
8.	968	8.
9.	1046	9.
10.	1035	10.
11.	1011	11.
12.	1008	12.
13.	1008	13.
14.	1016	14.
15.	1026	15.
16.	1030	16.
17.	1056	17.
18.	1083	18.
19.	1148	19.
20.	1143	20.
21.	1019	21.
22.	939	22.
23.	938	23.
24.	1007	24.
<b>Total</b>	<b>24600</b>	

DMSRBTAS01 © 2014 UNICORN



# Opening Gate for Submitting Bids

- Submitting of bids for daily auction starts at 9:00h (CET)

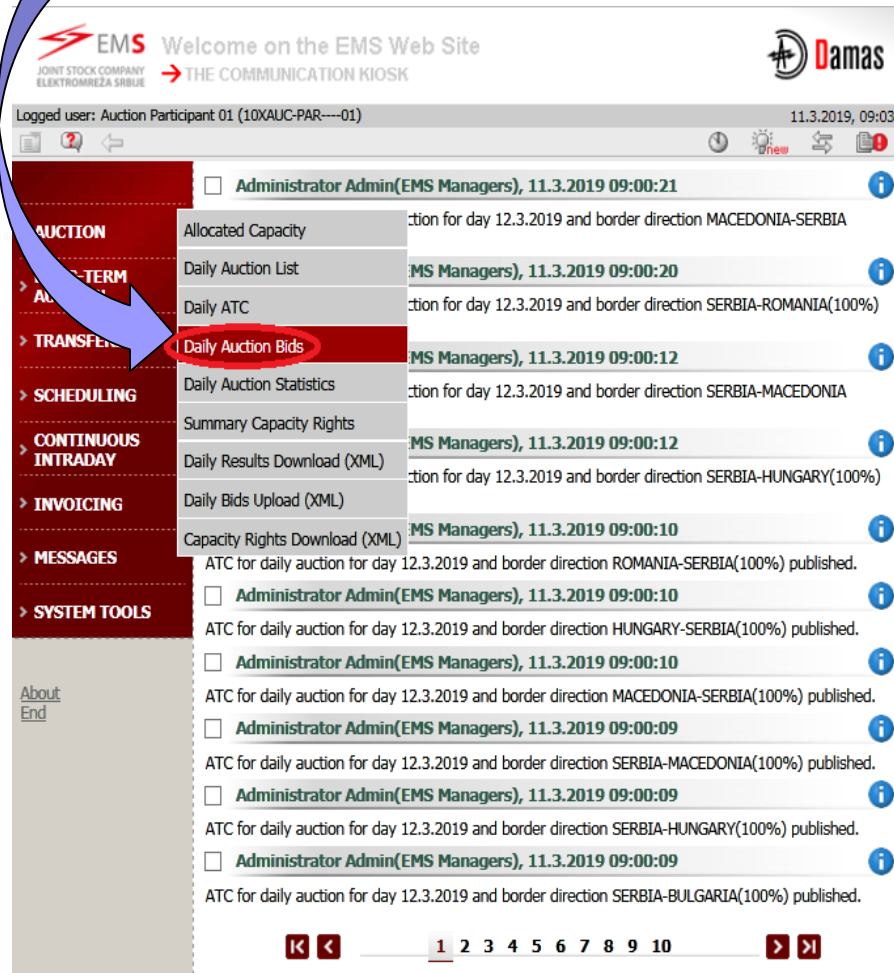
The screenshot shows the EMS Web Site interface. At the top, it says "Welcome on the EMS Web Site" and "THE COMMUNICATION KIOSK". The user is logged in as "Auction Participant 01 (10XAUC-PAR----01)". The date and time "11.3.2019, 09:00" are displayed in the top right corner. A sidebar on the left contains navigation options: AUCTION, LONG-TERM AUCTION, TRANSFERS, SCHEDULING, CONTINUOUS INTRADAY, INVOICING, MESSAGES, and SYSTEM TOOLS. The main content area displays a list of auction events, each starting at 9:00:23 on 11.3.2019. The events include submitting bids for daily auctions for various border directions (ROMANIA-SERBIA, HUNGARY-SERBIA, MACEDONIA-SERBIA, SERBIA-ROMANIA, SERBIA-MACEDONIA, SERBIA-HUNGARY) and publishing ATC for daily auctions for the same border directions. A red box highlights the first event, and a red circle highlights its start time "09:00:23". At the bottom, there is a pagination control showing "1 2 3 4 5 6 7 8 9 10".

# Daily Auction List Preview

## ➤ Submitting Bids:

Directly through Daily Auction Bids Menu

➤ Selecting Daily Auction List Menu (choosing Bids button)

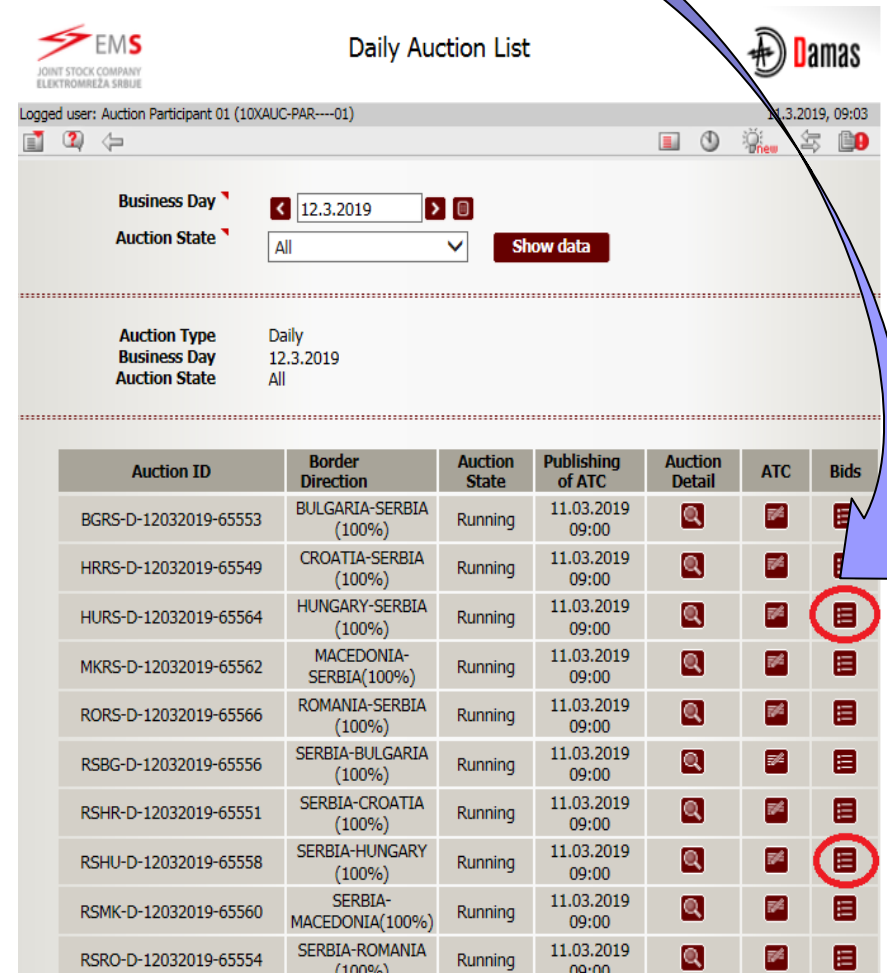


Welcome on the EMS Web Site  
→ THE COMMUNICATION KIOSK

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:03

- Administrator Admin(EMS Managers), 11.3.2019 09:00:21
- Allocated Capacity
- Daily Auction List
- Daily ATC
- Daily Auction Bids**
- Daily Auction Statistics
- Summary Capacity Rights
- Daily Results Download (XML)
- Daily Bids Upload (XML)
- Capacity Rights Download (XML)
- Administrator Admin(EMS Managers), 11.3.2019 09:00:10
- Administrator Admin(EMS Managers), 11.3.2019 09:00:10
- Administrator Admin(EMS Managers), 11.3.2019 09:00:09
- Administrator Admin(EMS Managers), 11.3.2019 09:00:09
- Administrator Admin(EMS Managers), 11.3.2019 09:00:09
- Administrator Admin(EMS Managers), 11.3.2019 09:00:09

1 2 3 4 5 6 7 8 9 10



Daily Auction List

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:03

Business Day: 12.3.2019

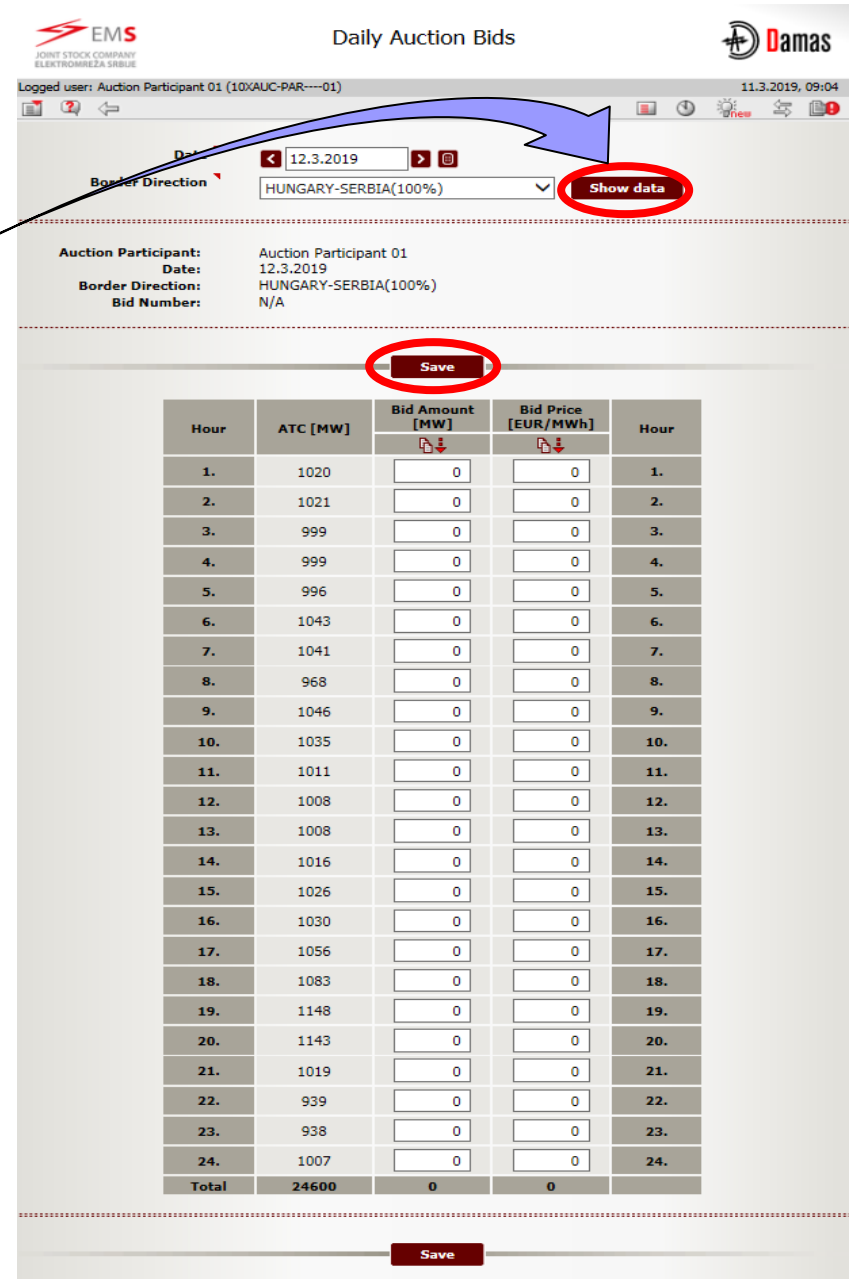
Auction State: All **Show data**

Auction Type: Daily  
Business Day: 12.3.2019  
Auction State: All

Auction ID	Border Direction	Auction State	Publishing of ATC	Auction Detail	ATC	Bids
BGRS-D-12032019-65553	BULGARIA-SERBIA (100%)	Running	11.03.2019 09:00			
HRRS-D-12032019-65549	CROATIA-SERBIA (100%)	Running	11.03.2019 09:00			
HURS-D-12032019-65564	HUNGARY-SERBIA (100%)	Running	11.03.2019 09:00			
MKRS-D-12032019-65562	MACEDONIA-SERBIA(100%)	Running	11.03.2019 09:00			
RORS-D-12032019-65566	ROMANIA-SERBIA (100%)	Running	11.03.2019 09:00			
RSBG-D-12032019-65556	SERBIA-BULGARIA (100%)	Running	11.03.2019 09:00			
RSHR-D-12032019-65551	SERBIA-CROATIA (100%)	Running	11.03.2019 09:00			
RSHU-D-12032019-65558	SERBIA-HUNGARY (100%)	Running	11.03.2019 09:00			
RSMK-D-12032019-65560	SERBIA-MACEDONIA(100%)	Running	11.03.2019 09:00			
RSRO-D-12032019-65554	SERBIA-ROMANIA (100%)	Running	11.03.2019 09:00			

# Submitting Bids

- Select Date and Border direction
- Enter wanted values
  - Bid Amount [MW]
  - Bid Price [EUR/MWh]
- Click **Save**
  
- New Bid delivery is possible through **Show data** button or by returning to Daily auction list or to Main menu and repeating steps from above.



EMS  
JOINT STOCK COMPANY  
ELEKTROMREŽA SRBIJE

Daily Auction Bids

Damas

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:04

Date: 12.3.2019

Border Direction: HUNGARY-SERBIA(100%) **Show data**

Auction Participant: Auction Participant 01  
Date: 12.3.2019  
Border Direction: HUNGARY-SERBIA(100%)  
Bid Number: N/A

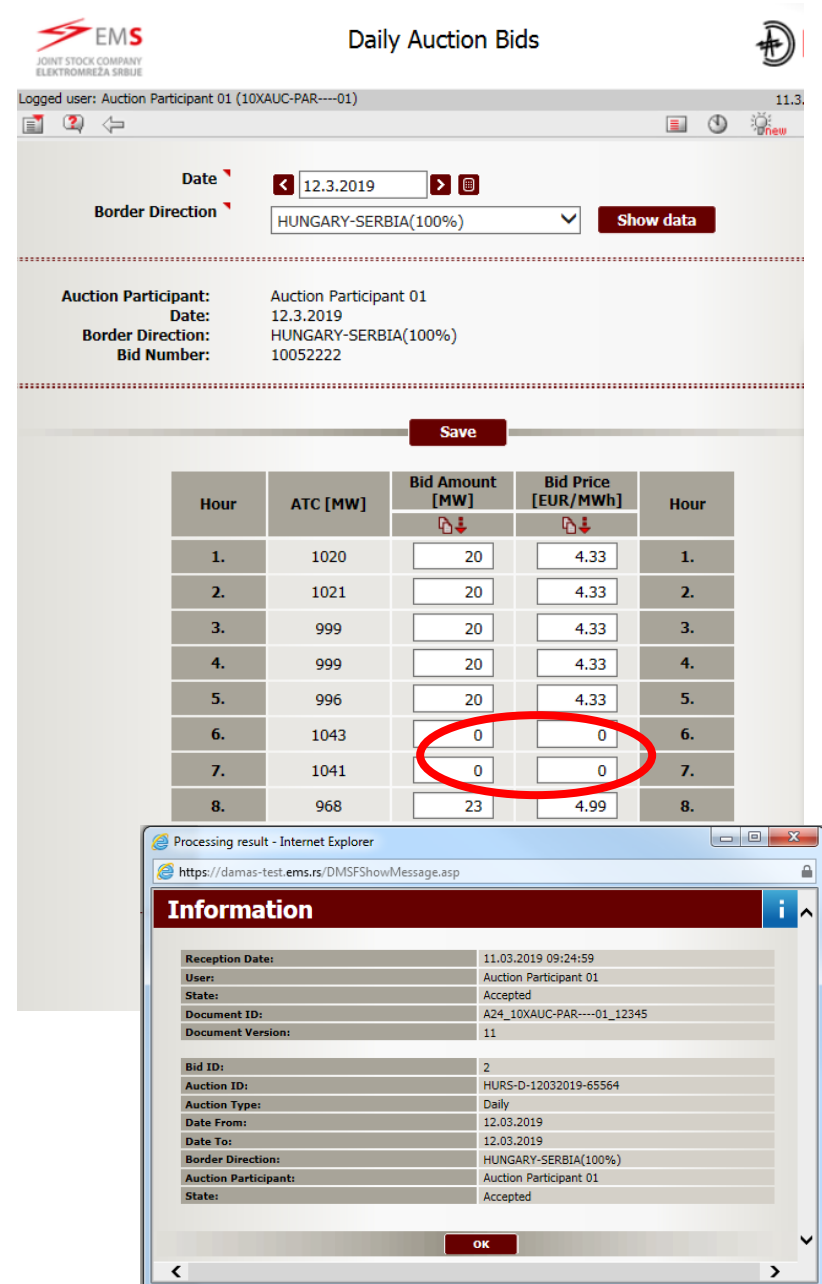
**Save**

Hour	ATC [MW]	Bid Amount [MW]	Bid Price [EUR/MWh]	Hour
1.	1020	0	0	1.
2.	1021	0	0	2.
3.	999	0	0	3.
4.	999	0	0	4.
5.	996	0	0	5.
6.	1043	0	0	6.
7.	1041	0	0	7.
8.	968	0	0	8.
9.	1046	0	0	9.
10.	1035	0	0	10.
11.	1011	0	0	11.
12.	1008	0	0	12.
13.	1008	0	0	13.
14.	1016	0	0	14.
15.	1026	0	0	15.
16.	1030	0	0	16.
17.	1056	0	0	17.
18.	1083	0	0	18.
19.	1148	0	0	19.
20.	1143	0	0	20.
21.	1019	0	0	21.
22.	939	0	0	22.
23.	938	0	0	23.
24.	1007	0	0	24.
<b>Total</b>	<b>24600</b>	<b>0</b>	<b>0</b>	

**Save**

# Changing of Submitted Bid I

- Changing the existing bid is possible until choosing **Show data** button.
- Click **Save**
- After choosing **Show data**, it is possible to enter new bid.
- To perform cancelation of bid for the relevant hour - submit zero Bid Amount [MW] and zero Bid Price [EUR/MWh]  
(Bid Amount, Bid Price = 0, 0)



EMS  
JOINT STOCK COMPANY  
ELEKTROMREŽA SRBIJE

Daily Auction Bids

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.

Date: 12.3.2019

Border Direction: HUNGARY-SERBIA(100%) **Show data**

Auction Participant: Auction Participant 01  
Date: 12.3.2019  
Border Direction: HUNGARY-SERBIA(100%)  
Bid Number: 10052222

**Save**

Hour	ATC [MW]	Bid Amount [MW]	Bid Price [EUR/MWh]	Hour
1.	1020	20	4.33	1.
2.	1021	20	4.33	2.
3.	999	20	4.33	3.
4.	999	20	4.33	4.
5.	996	20	4.33	5.
6.	1043	0	0	6.
7.	1041	0	0	7.
8.	968	23	4.99	8.

Processing result - Internet Explorer  
https://damas-test.ems.rs/DMSFShowMessage.asp

**Information**

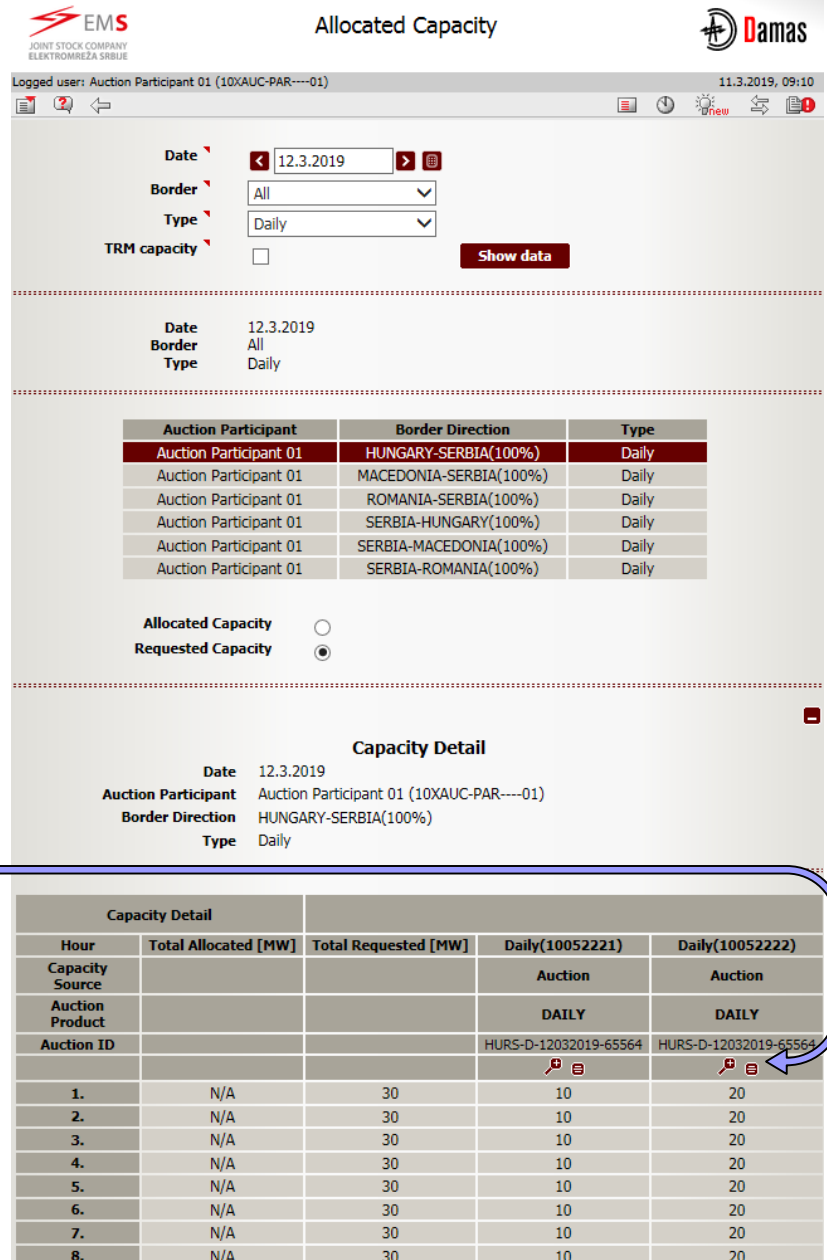
Reception Date: 11.03.2019 09:24:59  
User: Auction Participant 01  
State: Accepted  
Document ID: A24\_10XAUC-PAR----01\_12345  
Document Version: 11

Bid ID: 2  
Auction ID: HURS-D-12032019-65564  
Auction Type: Daily  
Date From: 12.03.2019  
Date To: 12.03.2019  
Border Direction: HUNGARY-SERBIA(100%)  
Auction Participant: Auction Participant 01  
State: Accepted

**OK**



# Changing of Submitted Bid II



EMS  
JOINT STOCK COMPANY  
ELEKTROMREŽA SRBIJE

Allocated Capacity

Damas

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:10

Date: 12.3.2019

Border: All

Type: Daily

TRM capacity:

Show data

---

Date: 12.3.2019

Border: All

Type: Daily

Auction Participant	Border Direction	Type
Auction Participant 01	HUNGARY-SERBIA(100%)	Daily
Auction Participant 01	MACEDONIA-SERBIA(100%)	Daily
Auction Participant 01	ROMANIA-SERBIA(100%)	Daily
Auction Participant 01	SERBIA-HUNGARY(100%)	Daily
Auction Participant 01	SERBIA-MACEDONIA(100%)	Daily
Auction Participant 01	SERBIA-ROMANIA(100%)	Daily

Allocated Capacity:

Requested Capacity:

---

Capacity Detail

Date: 12.3.2019

Auction Participant: Auction Participant 01 (10XAUC-PAR----01)

Border Direction: HUNGARY-SERBIA(100%)

Type: Daily



Capacity Detail				
Hour	Total Allocated [MW]	Total Requested [MW]	Daily(10052221)	Daily(10052222)
Capacity Source			Auction	Auction
Auction Product			DAILY	DAILY
Auction ID			HURS-D-12032019-65564	HURS-D-12032019-65564
1.	N/A	30	10	20
2.	N/A	30	10	20
3.	N/A	30	10	20
4.	N/A	30	10	20
5.	N/A	30	10	20
6.	N/A	30	10	20
7.	N/A	30	10	20
8.	N/A	30	10	20

Capacity adjustment

➤ After exiting from bidding menu change of submitted bid is possible in **Allocated capacity** menu by:

- Selecting Date, Border and Daily Type
- Choosing Border Direction
- Selecting Capacity adjustment

# Changing of Submitted Bid II


Daily Auction Bids


Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:27

Date: 12.3.2019 Show data

Border Direction: HUNGARY-SERBIA(100%)

---

Auction Participant: Auction Participant 01  
 Date: 12.3.2019  
 Border Direction: HUNGARY-SERBIA(100%)  
 Bid Number: 10052222

**Save**

Hour	ATC [MW]	Bid Amount [MW]	Bid Price [EUR/MWh]	Hour
1.	1020	20	4.33	1.
2.	1021	20	4.33	2.
3.	999	20	4.33	3.
4.	999	20	4.33	4.
5.	996	20	4.33	5.
6.	1043	0	0	6.
7.	1041	0	0	7.
8.	968	23	4.99	8.
9.	1046	20	4.33	9.
10.	1035	20	4.33	10.
11.	1011	21	4.99	11.
12.	1008	20	4.33	12.
13.	1008	20	4.33	13.

Processing result - Internet Explorer  
 https://damas-test.ems.rs/DMSFShowMessage.asp

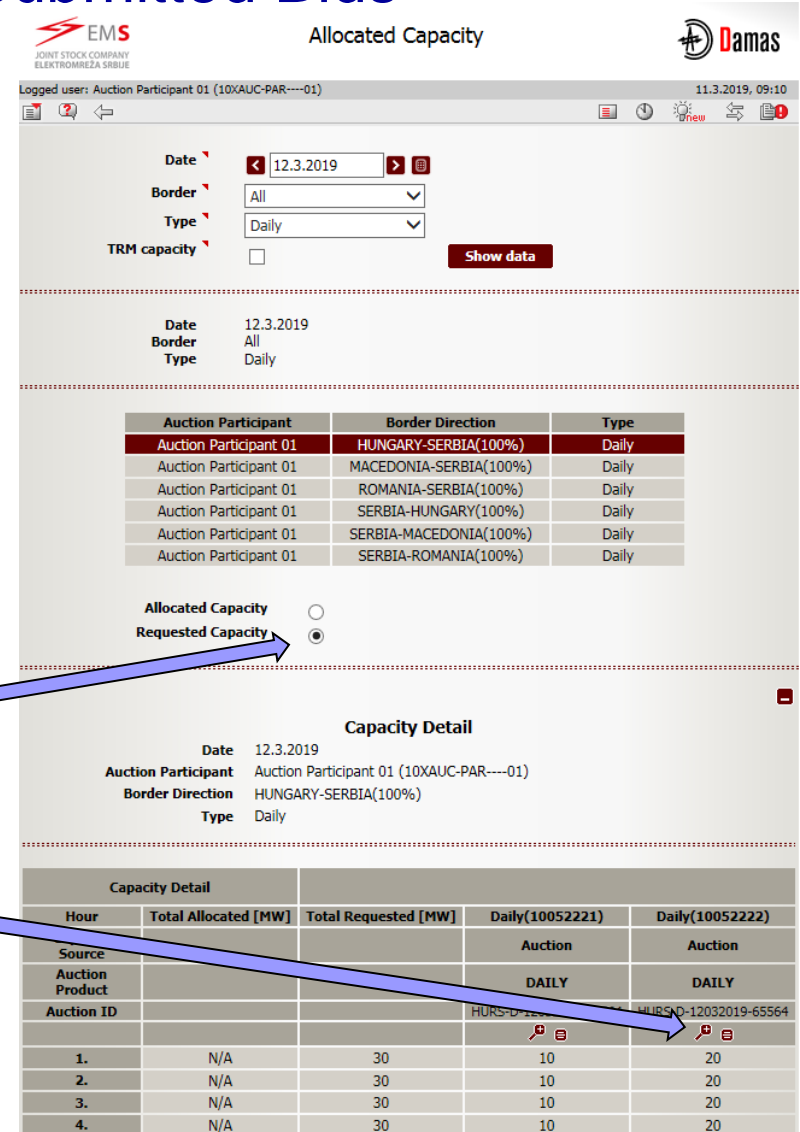
## Information

<b>Reception Date:</b>	11.03.2019 09:27:33
<b>User:</b>	Auction Participant 01
<b>State:</b>	Accepted
<b>Document ID:</b>	A24_10XAUC-PAR----01_12345
<b>Document Version:</b>	12
<hr/>	
<b>Bid ID:</b>	2
<b>Auction ID:</b>	HURS-D-12032019-65564
<b>Auction Type:</b>	Daily
<b>Date From:</b>	12.03.2019
<b>Date To:</b>	12.03.2019
<b>Border Direction:</b>	HUNGARY-SERBIA(100%)
<b>Auction Participant:</b>	Auction Participant 01
<b>State:</b>	Accepted

**OK**

# Alocated Capacity – Preview of Submitted Bids

- Preview of submitted bids is possible in **Allocated capacity** menu by:
  - Selecting Date, Border and Daily Type
  - Choosing Border Direction
  - Selecting Requested Capacity
  - Selecting Capacity Detail



EMS  
JOINT STOCK COMPANY  
ELEKTROMREŽA SRBIJE

Allocated Capacity

Damas

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:10

Date: 12.3.2019

Border: All

Type: Daily

TRM capacity:

Show data

---

Date: 12.3.2019

Border: All

Type: Daily

Auction Participant	Border Direction	Type
Auction Participant 01	HUNGARY-SERBIA(100%)	Daily
Auction Participant 01	MACEDONIA-SERBIA(100%)	Daily
Auction Participant 01	ROMANIA-SERBIA(100%)	Daily
Auction Participant 01	SERBIA-HUNGARY(100%)	Daily
Auction Participant 01	SERBIA-MACEDONIA(100%)	Daily
Auction Participant 01	SERBIA-ROMANIA(100%)	Daily

Allocated Capacity:

Requested Capacity:

---

Capacity Detail

Date: 12.3.2019

Auction Participant: Auction Participant 01 (10XAUC-PAR----01)

Border Direction: HUNGARY-SERBIA(100%)

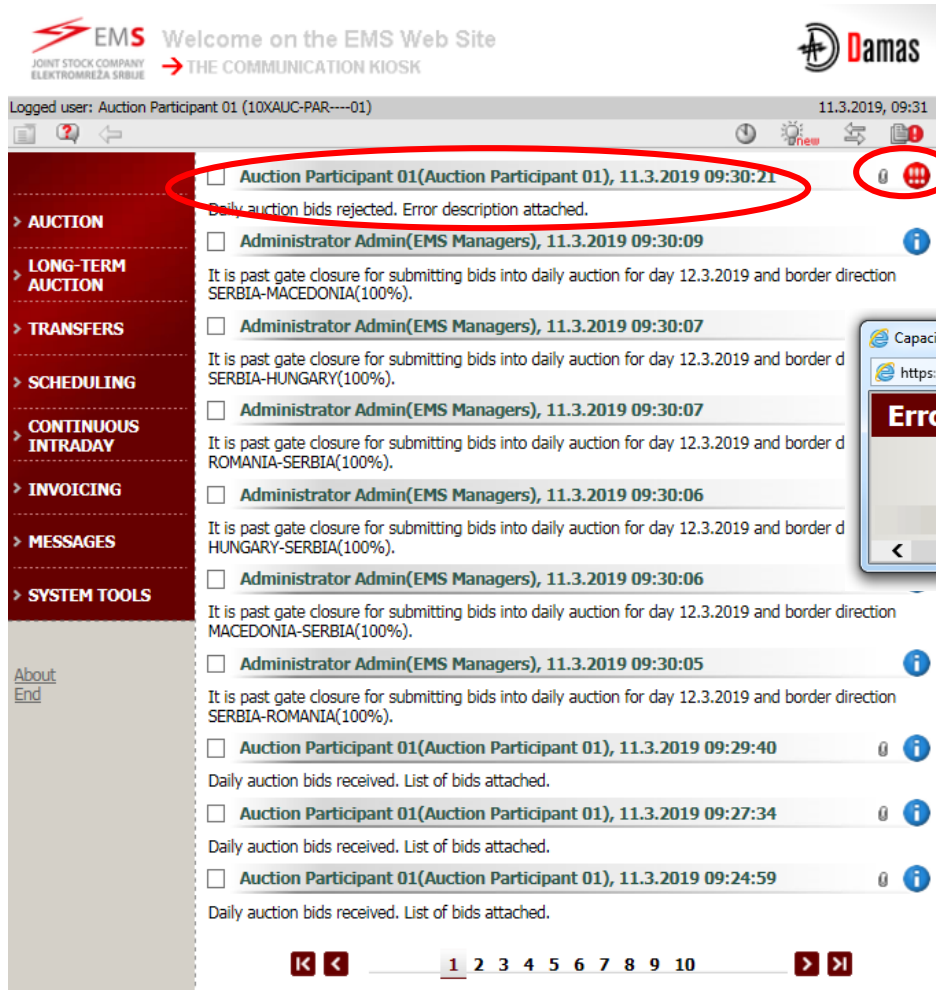
Type: Daily

Capacity Detail				
Hour	Total Allocated [MW]	Total Requested [MW]	Daily(10052221)	Daily(10052222)
Source			Auction	Auction
Auction Product			DAILY	DAILY
Auction ID			HURS-D-12032019-65564	HURS-D-12032019-65564
1.	N/A	30	10	20
2.	N/A	30	10	20
3.	N/A	30	10	20
4.	N/A	30	10	20

Capacity Detail

# Gate Closure for Submitting Bids

- Submitting bids is not possible after 9:30h (CET)



EMS Welcome on the EMS Web Site  
JOINT STOCK COMPANY ELEKTROMREŽA SRBIJE → THE COMMUNICATION KIOSK

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:31

**Auction Participant 01(Auction Participant 01), 11.3.2019 09:30:21** ❗

Daily auction bids rejected. Error description attached.

**Administrator Admin(EMS Managers), 11.3.2019 09:30:09** ⓘ

It is past gate closure for submitting bids into daily auction for day 12.3.2019 and border direction SERBIA-MACEDONIA(100%).

**Administrator Admin(EMS Managers), 11.3.2019 09:30:07** ⓘ

It is past gate closure for submitting bids into daily auction for day 12.3.2019 and border d SERBIA-HUNGARY(100%).

**Administrator Admin(EMS Managers), 11.3.2019 09:30:07** ⓘ

It is past gate closure for submitting bids into daily auction for day 12.3.2019 and border d ROMANIA-SERBIA(100%).

**Administrator Admin(EMS Managers), 11.3.2019 09:30:06** ⓘ

It is past gate closure for submitting bids into daily auction for day 12.3.2019 and border d HUNGARY-SERBIA(100%).

**Administrator Admin(EMS Managers), 11.3.2019 09:30:06** ⓘ

It is past gate closure for submitting bids into daily auction for day 12.3.2019 and border direction MACEDONIA-SERBIA(100%).

**Administrator Admin(EMS Managers), 11.3.2019 09:30:05** ⓘ

It is past gate closure for submitting bids into daily auction for day 12.3.2019 and border direction SERBIA-ROMANIA(100%).

**Auction Participant 01(Auction Participant 01), 11.3.2019 09:29:40** ⓘ ⓘ

Daily auction bids received. List of bids attached.

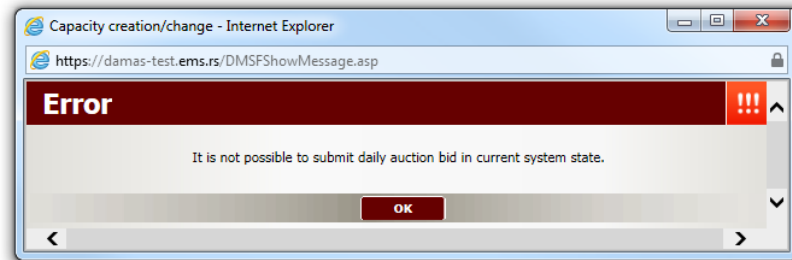
**Auction Participant 01(Auction Participant 01), 11.3.2019 09:27:34** ⓘ ⓘ

Daily auction bids received. List of bids attached.

**Auction Participant 01(Auction Participant 01), 11.3.2019 09:24:59** ⓘ ⓘ

Daily auction bids received. List of bids attached.

1 2 3 4 5 6 7 8 9 10



Capacity creation/change - Internet Explorer

https://damas-test.ems.rs/DMSFShowMessage.asp

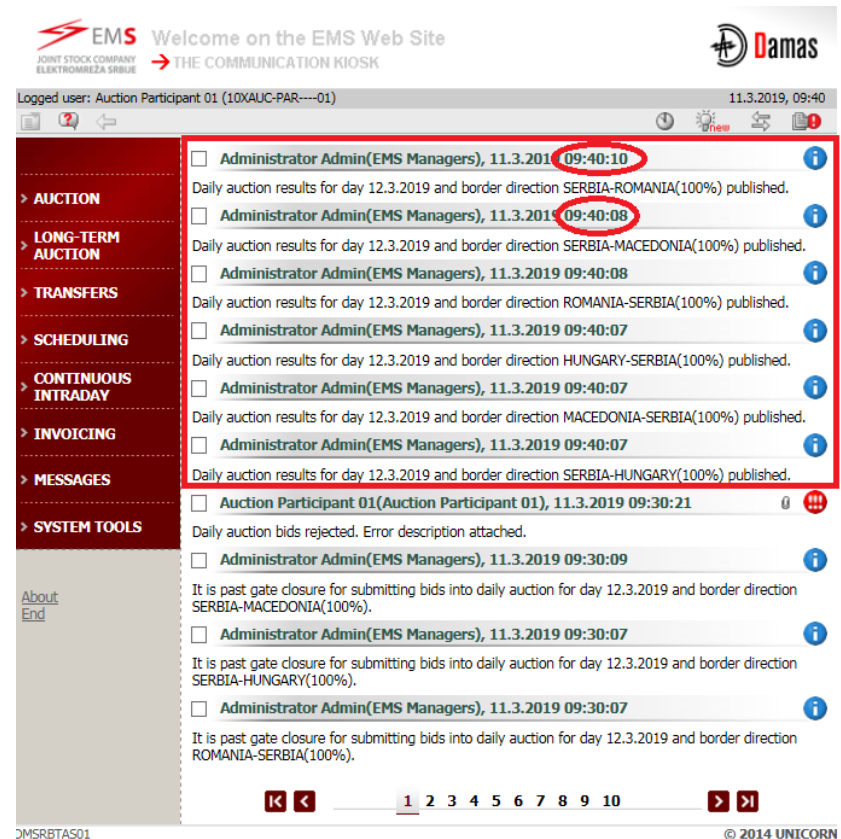
**Error** ❗

It is not possible to submit daily auction bid in current system state.

OK

# Daily Auction Results Publishing

- Daily auction results are published in DAMAS system at 9:40
- Daily auction results are published on EMS web-site at 10:15.



EMS Welcome on the EMS Web Site  
JOINT STOCK COMPANY ELEKTROMREŽA SRBIJE → THE COMMUNICATION KIOSK

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:40

**Damas**

➤ AUCTION  
➤ LONG-TERM AUCTION  
➤ TRANSFERS  
➤ SCHEDULING  
➤ CONTINUOUS INTRADAY  
➤ INVOICING  
➤ MESSAGES  
➤ SYSTEM TOOLS

Administrator Admin(EMS Managers), 11.3.2019 09:40:10  
Daily auction results for day 12.3.2019 and border direction SERBIA-ROMANIA(100%) published.

Administrator Admin(EMS Managers), 11.3.2019 09:40:08  
Daily auction results for day 12.3.2019 and border direction SERBIA-MACEDONIA(100%) published.

Administrator Admin(EMS Managers), 11.3.2019 09:40:08  
Daily auction results for day 12.3.2019 and border direction ROMANIA-SERBIA(100%) published.

Administrator Admin(EMS Managers), 11.3.2019 09:40:07  
Daily auction results for day 12.3.2019 and border direction HUNGARY-SERBIA(100%) published.

Administrator Admin(EMS Managers), 11.3.2019 09:40:07  
Daily auction results for day 12.3.2019 and border direction MACEDONIA-SERBIA(100%) published.

Administrator Admin(EMS Managers), 11.3.2019 09:40:07  
Daily auction results for day 12.3.2019 and border direction SERBIA-HUNGARY(100%) published.

Auction Participant 01(Auction Participant 01), 11.3.2019 09:30:21  
Daily auction bids rejected. Error description attached.

Administrator Admin(EMS Managers), 11.3.2019 09:30:09  
It is past gate closure for submitting bids into daily auction for day 12.3.2019 and border direction SERBIA-MACEDONIA(100%).

Administrator Admin(EMS Managers), 11.3.2019 09:30:07  
It is past gate closure for submitting bids into daily auction for day 12.3.2019 and border direction SERBIA-HUNGARY(100%).

Administrator Admin(EMS Managers), 11.3.2019 09:30:07  
It is past gate closure for submitting bids into daily auction for day 12.3.2019 and border direction ROMANIA-SERBIA(100%).

MSRBTA01 © 2014 UNICORN

# Daily Auction Results - Preview of Allocated Capacity

EMS JOINT STOCK COMPANY ELEKTROMREŽA SRBIJE Allocated Capacity Damas

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:41

Date: 12.3.2019  
 Border: SERBIA\_HUNGARY  
 Type: Daily  
 TRM capacity:  Show data

Date: 12.3.2019  
 Border: SERBIA\_HUNGARY  
 Type: Daily

Auction Participant	Border Direction	Type
Auction Participant 01	HUNGARY-SERBIA(100%)	Daily
Auction Participant 01	SERBIA-HUNGARY(100%)	Daily

Allocated Capacity   
 Requested Capacity

Capacity Detail

Date: 12.3.2019  
 Auction Participant: Auction Participant 01 (10XAUC-PAR----01)  
 Border Direction: HUNGARY-SERBIA(100%)  
 Type: Daily

Capacity Detail		Total Requested [MW]	Daily(10052221)	Daily(10052222)	Daily(10052233)
Hour	Total Allocated [MW]		Auction	Auction	Auction
Capacity Source			DAILY	DAILY	DAILY
Auction Product			HURS-D-12032019-65564	HURS-D-12032019-65564	HURS-D-12032019-65564
Auction ID					
1.	120	130	0	20	100
2.	120	130	0	20	100
3.	116	130	0	19	97
4.	116	130	0	19	97
5.	116	130	0	19	97
6.	100	110	0	0	100
7.	100	110	0	0	100
8.	117	133	0	23	94
9.	120	130	0	20	100
10.	120	130	0	20	100
11.	120	131	0	21	99
12.	117	130	0	19	98
13.	117	130	0	19	98
14.	118	130	0	19	99
15.	45	55	0	20	25
16.	45	65	0	20	25
17.	55	70	13	17	25

EMS JOINT STOCK COMPANY ELEKTROMREŽA SRBIJE Capacity Detail Damas

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:42

Bid Number: 10052222  
 Auction Participant: Auction Participant 01 ( 10XAUC-PAR----01 )  
 Date: 12.3.2019  
 Auction ID: HURS-D-12032019-65564  
 Border Direction: HUNGARY-SERBIA(100%)  
 Auction Product: DAILY

Hour	ATC [MW]	Bid Amount [MW]	Bid Price [EUR/MWh]	Allocated Capacity [MW]	Auction Price [EUR/MWh]	Bid Status	Hour
1.	1020	20	4.33	20	4.33	✓	1.
2.	1021	20	4.33	20	4	✓	2.
3.	999	20	4.33	19	4.33	✓	3.
4.	999	20	4.33	19	4.33	✓	4.
5.	996	20	4.33	19	4.33	✓	5.
6.	1043	0	0	0	4	—	6.
7.	1041	0	0	0	4	—	7.
8.	968	23	4.99	23	4.33	✓	8.
9.	1046	20	4.33	20	4	✓	9.
10.	1035	20	4.33	20	4	✓	10.
11.	1011	21	4.99	21	4.33	✓	11.
12.	1008	20	4.33	19	4.33	✓	12.
13.	1008	20	4.33	19	4.33	✓	13.
14.	1016	20	4.33	19	4.33	✓	14.
15.	1026	20	4.33	20	4	✓	15.
16.	1030	20	4.33	20	4	✓	16.
17.	1056	25	3.33	17	3.33	✓	17.
18.	1083	26	3.34	26	0	✓	18.
19.	1148	27	3.35	27	0	✓	19.
20.	1143	25	4.66	25	3.33	✓	20.
21.	1019	20	4.33	19	4.33	✓	21.
22.	939	20	4.33	18	4.33	✓	22.
23.	938	20	4.33	18	4.33	✓	23.
24.	1007	20	4.33	19	4.33	✓	24.

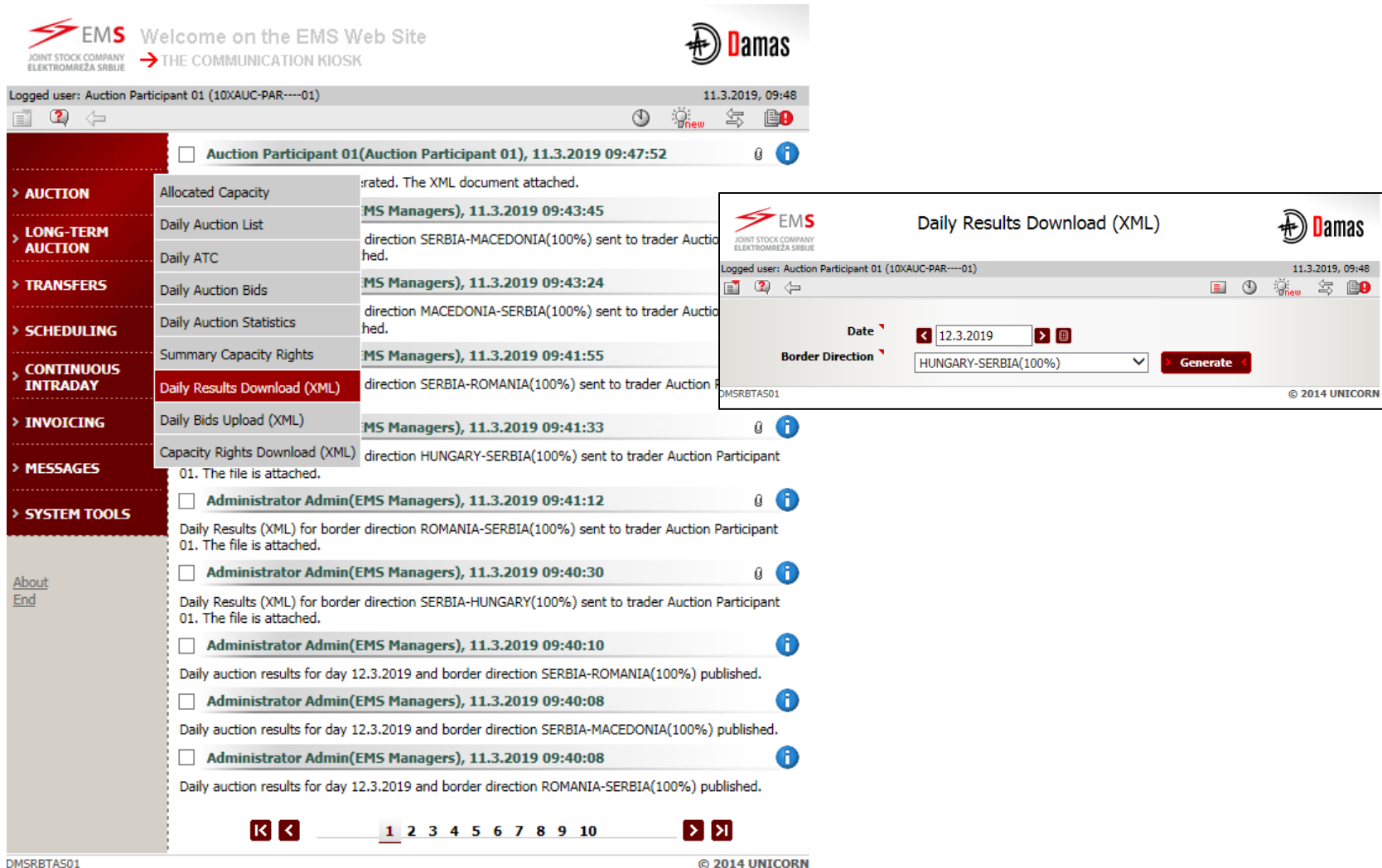
MSRBTA501 © 2014 UNICORN

## Bid Status

- ✓ Accepted
- ✓ Partially accepted
- ✗ Rejected
- Ignored

# Daily Auction Results – Download XML file

- Possibility to download ECAN XML file (Allocation Results Document) with daily auction results



The screenshot displays the EMS web application interface. The main content area shows a list of messages and actions related to auction results. A modal window titled "Daily Results Download (XML)" is open, showing a form to generate XML files. The form includes a date field set to "12.3.2019" and a border direction dropdown menu set to "HUNGARY-SERBIA(100%)". A "Generate" button is visible next to the dropdown.

**EMS** Welcome on the EMS Web Site  
JOINT STOCK COMPANY ELEKTROMREŽA SRBIJE → THE COMMUNICATION KIOSK

**Damas**

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:48

Auction Participant 01(Auction Participant 01), 11.3.2019 09:47:52

Allocated Capacity	rated. The XML document attached.
Daily Auction List	<b>MS Managers), 11.3.2019 09:43:45</b>
Daily ATC	direction SERBIA-MACEDONIA(100%) sent to trader Auction Participant 01. The file is attached.
Daily Auction Bids	<b>MS Managers), 11.3.2019 09:43:24</b>
Daily Auction Statistics	direction MACEDONIA-SERBIA(100%) sent to trader Auction Participant 01. The file is attached.
Summary Capacity Rights	<b>MS Managers), 11.3.2019 09:41:55</b>
Daily Results Download (XML)	direction SERBIA-ROMANIA(100%) sent to trader Auction Participant 01. The file is attached.
Daily Bids Upload (XML)	<b>MS Managers), 11.3.2019 09:41:33</b>
Capacity Rights Download (XML)	direction HUNGARY-SERBIA(100%) sent to trader Auction Participant 01. The file is attached.

Administrator Admin(EMS Managers), 11.3.2019 09:41:12

Daily Results (XML) for border direction ROMANIA-SERBIA(100%) sent to trader Auction Participant 01. The file is attached.

Administrator Admin(EMS Managers), 11.3.2019 09:40:30

Daily Results (XML) for border direction SERBIA-HUNGARY(100%) sent to trader Auction Participant 01. The file is attached.

Administrator Admin(EMS Managers), 11.3.2019 09:40:10

Daily auction results for day 12.3.2019 and border direction SERBIA-ROMANIA(100%) published.

Administrator Admin(EMS Managers), 11.3.2019 09:40:08

Daily auction results for day 12.3.2019 and border direction SERBIA-MACEDONIA(100%) published.

Administrator Admin(EMS Managers), 11.3.2019 09:40:08

Daily auction results for day 12.3.2019 and border direction ROMANIA-SERBIA(100%) published.

**Damas**

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:48

Date: 12.3.2019

Border Direction: HUNGARY-SERBIA(100%)

**Generate**

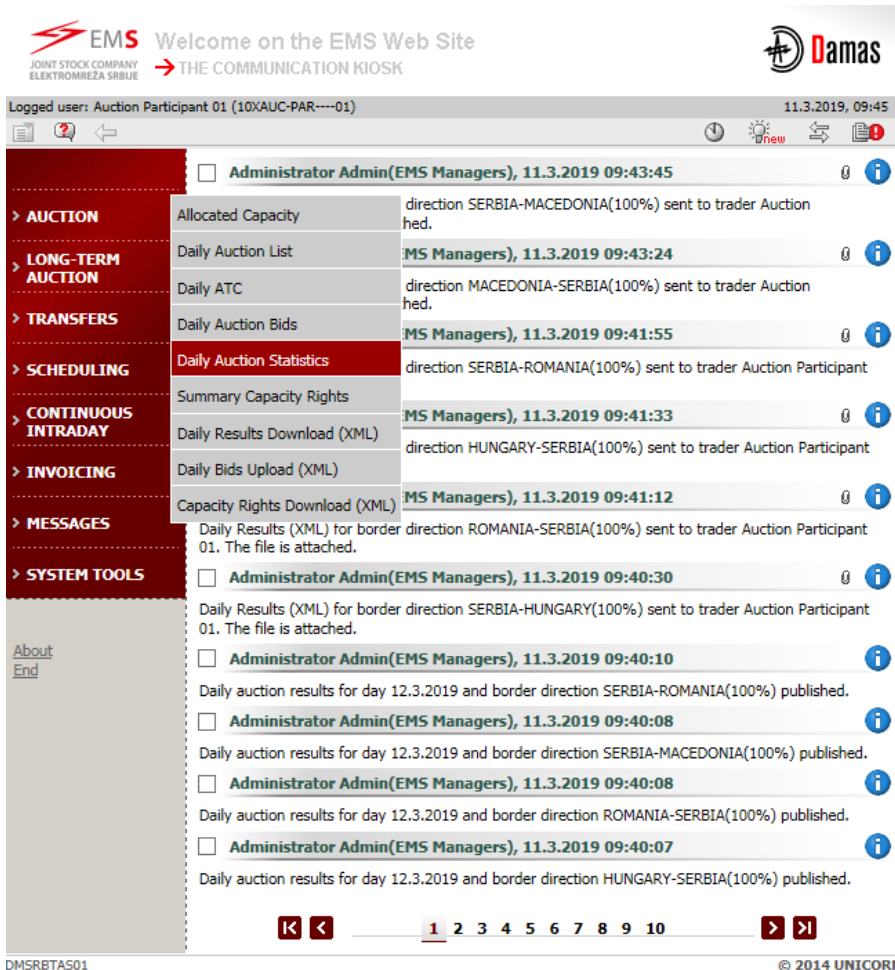
DMSRBTAS01 © 2014 UNICORN

1 2 3 4 5 6 7 8 9 10

DMSRBTAS01 © 2014 UNICORN

# Daily Auction Results – Public Results

## ➤ Preview of Daily Auction Statistics



EMS Welcome on the EMS Web Site  
JOINT STOCK COMPANY ELEKTROMREŽA SRBIJE → THE COMMUNICATION KIOSK

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:45

**ADMINISTRATOR ADMIN(EMS MANAGERS), 11.3.2019 09:43:45**

- Allocated Capacity: direction SERBIA-MACEDONIA(100%) sent to trader Auction hed.
- Daily Auction List: **MS Managers), 11.3.2019 09:43:24**
- Daily ATC: direction MACEDONIA-SERBIA(100%) sent to trader Auction hed.
- Daily Auction Bids: **MS Managers), 11.3.2019 09:41:55**
- Daily Auction Statistics**: direction SERBIA-ROMANIA(100%) sent to trader Auction Participant
- Summary Capacity Rights: **MS Managers), 11.3.2019 09:41:33**
- Daily Results Download (XML): direction HUNGARY-SERBIA(100%) sent to trader Auction Participant
- Daily Bids Upload (XML): **MS Managers), 11.3.2019 09:41:12**
- Capacity Rights Download (XML): **MS Managers), 11.3.2019 09:41:12**

Daily Results (XML) for border direction ROMANIA-SERBIA(100%) sent to trader Auction Participant 01. The file is attached.

**ADMINISTRATOR ADMIN(EMS MANAGERS), 11.3.2019 09:40:30**

Daily Results (XML) for border direction SERBIA-HUNGARY(100%) sent to trader Auction Participant 01. The file is attached.

**ADMINISTRATOR ADMIN(EMS MANAGERS), 11.3.2019 09:40:10**

Daily auction results for day 12.3.2019 and border direction SERBIA-ROMANIA(100%) published.

**ADMINISTRATOR ADMIN(EMS MANAGERS), 11.3.2019 09:40:08**

Daily auction results for day 12.3.2019 and border direction SERBIA-MACEDONIA(100%) published.

**ADMINISTRATOR ADMIN(EMS MANAGERS), 11.3.2019 09:40:08**

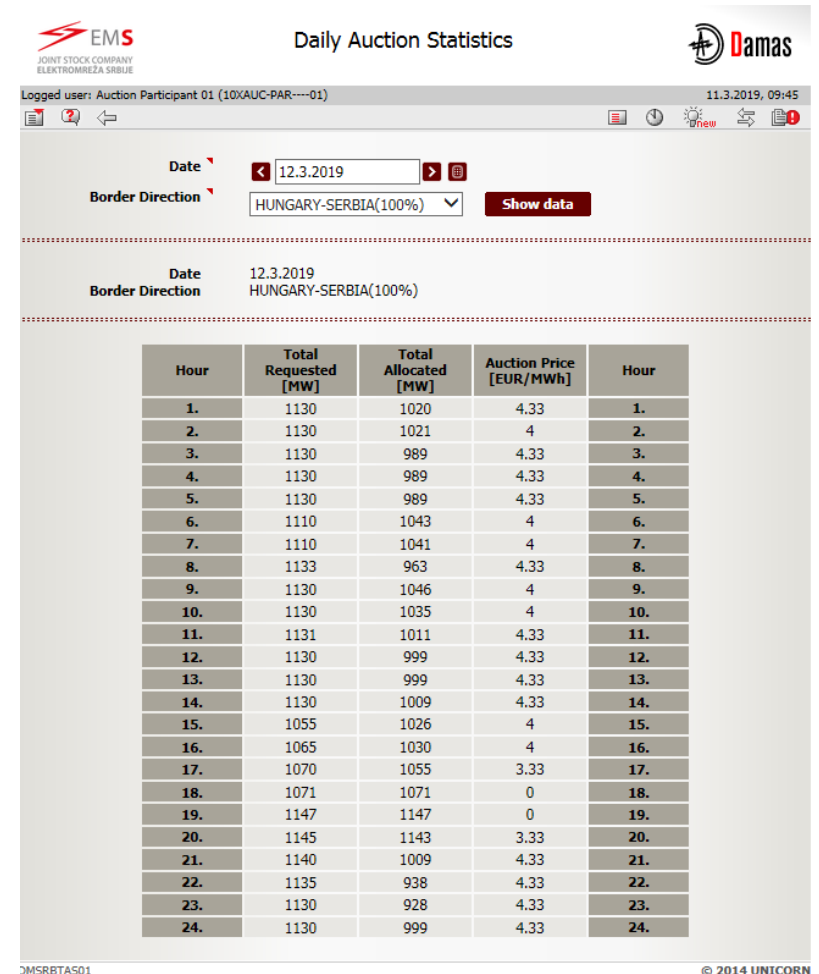
Daily auction results for day 12.3.2019 and border direction ROMANIA-SERBIA(100%) published.

**ADMINISTRATOR ADMIN(EMS MANAGERS), 11.3.2019 09:40:07**

Daily auction results for day 12.3.2019 and border direction HUNGARY-SERBIA(100%) published.

1 2 3 4 5 6 7 8 9 10

DMSRBTAS01 © 2014 UNICORN



EMS Daily Auction Statistics  
JOINT STOCK COMPANY ELEKTROMREŽA SRBIJE

Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.3.2019, 09:45

Date: 12.3.2019

Border Direction: HUNGARY-SERBIA(100%) **Show data**

Date: 12.3.2019  
Border Direction: HUNGARY-SERBIA(100%)

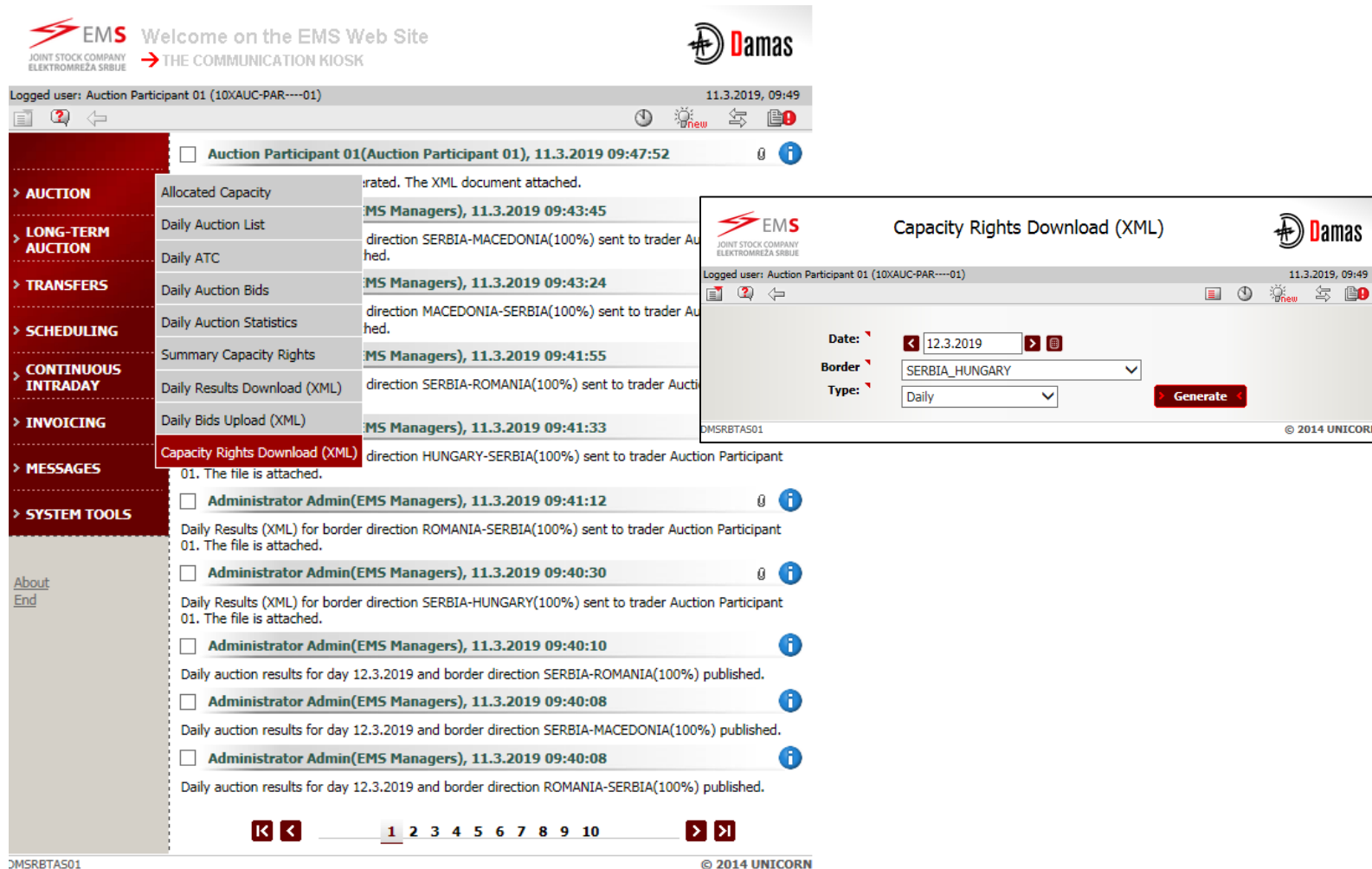
Hour	Total Requested [MW]	Total Allocated [MW]	Auction Price [EUR/MWh]	Hour
1.	1130	1020	4.33	1.
2.	1130	1021	4	2.
3.	1130	989	4.33	3.
4.	1130	989	4.33	4.
5.	1130	989	4.33	5.
6.	1110	1043	4	6.
7.	1110	1041	4	7.
8.	1133	963	4.33	8.
9.	1130	1046	4	9.
10.	1130	1035	4	10.
11.	1131	1011	4.33	11.
12.	1130	999	4.33	12.
13.	1130	999	4.33	13.
14.	1130	1009	4.33	14.
15.	1055	1026	4	15.
16.	1065	1030	4	16.
17.	1070	1055	3.33	17.
18.	1071	1071	0	18.
19.	1147	1147	0	19.
20.	1145	1143	3.33	20.
21.	1140	1009	4.33	21.
22.	1135	938	4.33	22.
23.	1130	928	4.33	23.
24.	1130	999	4.33	24.

DMSRBTAS01 © 2014 UNICORN



# Capacity Rights Download (XML)

## ➤ Preview of Daily Auction Statistics



The screenshot displays the EMS web application interface. On the left is a navigation menu with categories: AUCTION, LONG-TERM AUCTION, TRANSFERS, SCHEDULING, CONTINUOUS INTRADAY, INVOICING, MESSAGES, and SYSTEM TOOLS. The main content area shows a list of messages from 'Administrator Admin(EMS Managers)' dated 11.3.2019, including entries for 'Capacity Rights Download (XML)' and 'Daily Results (XML)'. A dialog box titled 'Capacity Rights Download (XML)' is open, showing a form with the following fields:

- Date: 12.3.2019
- Border: SERBIA\_HUNGARY
- Type: Daily
- Generate button

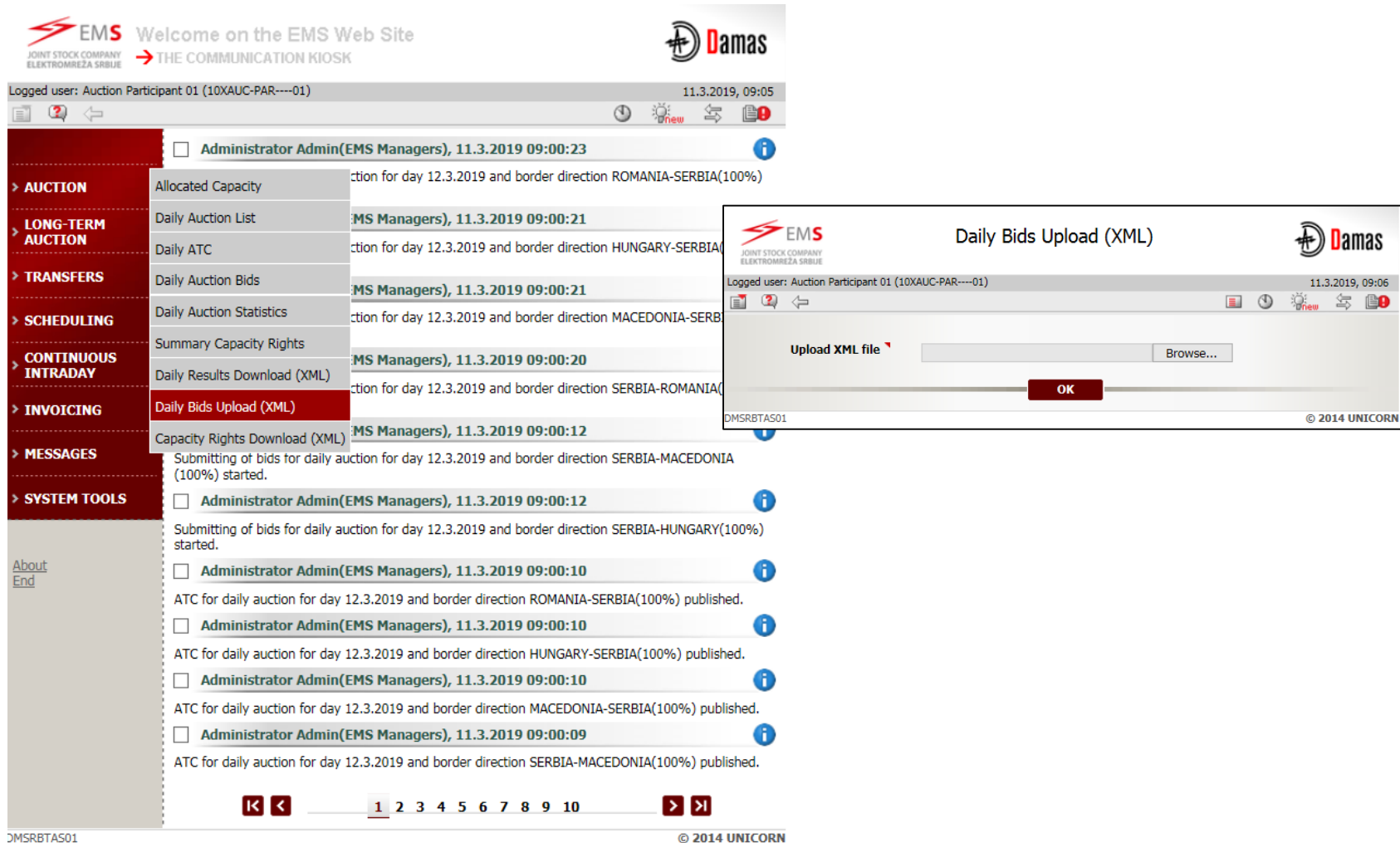
At the bottom of the page, there is a pagination control showing page 1 of 10.



## Submitting Bids via .XML File

# Submitting Daily Bids via XML

- The Auction Participant have the possibility to upload a bid for **all borders and all border** directions within one .xml file.



The screenshot displays the EMS web interface. On the left, a navigation menu includes categories like AUCTION, LONG-TERM AUCTION, TRANSFERS, SCHEDULING, CONTINUOUS INTRADAY, INVOICING, MESSAGES, and SYSTEM TOOLS. The 'Daily Bids Upload (XML)' option is highlighted. An inset window shows the 'Daily Bids Upload (XML)' dialog box with a file selection field and an 'OK' button. The main interface shows a list of system messages, including 'Submitting of bids for daily auction for day 12.3.2019 and border direction ROMANIA-SERBIA(100%) started.' and 'ATC for daily auction for day 12.3.2019 and border direction ROMANIA-SERBIA(100%) published.'

## Submitting bids via XML

- It is possible to upload **multiple auction bids** through one .xml file
- One Bid = one TimeSeries in .XML file
- Adding additional bid(s) : .XML must contain previous bid (existing TimeSeries) and new TimeSeries (for new Bid(s))
- Maximum Ten (10) bids can be submitted in one .XML file for one border direction (e.g. ten TimeSeries for ten Bids)
- **”Document Identification”** in .XML file must be same as in first successfully submitted .xml file for that border direction.
- **”Document Identification”** in .XML must be different for separate auctions

- Every time when new bid is added through web form Bid Document Version will be automatically increased.
- Changing of delivered bid via XML is possible by
  - selecting Capacity adjustment button (Allocated Capacity menu; Bid Document Version will be automatically increased)
  - uploading new .xml file with modified values (**"DocumentVersion"** must be increased)
- Adding new bid after submitting .xml file is possible through
  - web form
  - .xml by adding new 24 hours time series (rest of time series must be contained in .xml file, Document version must be increased).
- Delivering new bid via .xml file with previously added bid(s) via web form is possible only if .xml file contains bid(s) added through web form. In that case (when creating new .xml file):
  - **"BidIdentification"** for submitted bid(s) via web form must be same as Bid Number from DAMAS system
  - **"DocumentVersion"** must be increased counting .xml version and added bid(s) through web form

# XML preview for daily auction for 12.03.2019

```

1 <BidDocument DtdRelease="0" DtdVersion="4" xmlns="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
2   <DocumentIdentification v="A24_10XAUC-PAR----01_12345"/>
3   <DocumentVersion v="1"/>
4   <DocumentType v="A24"/>
5   <SenderIdentification codingScheme="A01" v="10XAUC-PAR----01"/>
6   <SenderRole v="A29"/>
7   <ReceiverIdentification codingScheme="A01" v="10XCS-SERBIATSO8"/>
8   <ReceiverRole v="A07"/>
9   <CreationDateTime v="2019-03-10T08:07:47Z"/>
10  <BidTimeInterval v="2019-03-11T23:00Z/2019-03-12T23:00Z"/>
11  <Domain v="10YCS-SERBIATSOV" codingScheme="A01"/>
12  <SubjectParty v="10XAUC-PAR----01" codingScheme="A01"/>
13  <SubjectRole v="A29"/>
14  <BidTimeSeries>
15    <BidIdentification v="1"/>
16    <AuctionIdentification v="HURS-D-12032019-65564"/>
17    <BusinessType v="A03"/>
18    <InArea codingScheme="A01" v="10YCS-SERBIATSOV"/>
19    <OutArea codingScheme="A01" v="10YHU-MAVIR----0"/>
20    <MeasureUnitQuantity v="MAW"/>
21    <Currency v="EUR"/>
22    <MeasureUnitPrice v="MWH"/>
23    <Divisible v="A01"/>
24    <BlockBid v="A02"/>
25    <Period>
26      <TimeInterval v="2019-03-11T23:00Z/2019-03-12T23:00Z"/>
27      <Resolution v="PT60M"/>
28      <Interval>
29        <Pos v="1"/>
30        <Qty v="10.0"/>
31        <PriceAmount v="3.33"/>
32      </Interval>
33      <Interval>
34        <Pos v="2"/>
35        <Qty v="10.0"/>
36        <PriceAmount v="3.33"/>
37      </Interval>
38      <Interval>
39        <Pos v="3"/>
40        <Qty v="10.0"/>
41        <PriceAmount v="3.33"/>
42      </Interval>
43      <Interval>
44        <Pos v="4"/>
45        <Qty v="10.0"/>
46        <PriceAmount v="3.33"/>
47      </Interval>
48      <Interval>
49        <Pos v="5"/>
50        <Qty v="10.0"/>
51        <PriceAmount v="3.33"/>
52      </Interval>

```

DocumentIdentification: Anything,  
Not allowed to change during one daily auction

DocumentVersion: When new time series is added,  
Version must be increased.

SenderIdentification: Participant's EIC code

DateTime of .XML creation

BidTimeInterval for day D:  
D-1 23:00 / D 23:00 (CE Winter Time) or  
D-1 22:00 / D 22:00 (CE Summer Time)

SubjectParty: Participant's EIC code

Auction ID for desired Auction (from DAMAS system)

BidTimeInterval for day D:  
D-1 23:00 / D 23:00 (CE Winter Time) or  
D-1 22:00 / D 22:00 (CE Summer Time)

- Bids:
- Pos (Hour),
  - Qty (Bid amount),
  - PriceAmount (Bid Price)



## ■ Second bid

```
<BidTimeSeries>
  <BidIdentification v="2"/>
  <AuctionIdentification v="HURS-D-12032019-65564"/>
  <BusinessType v="A03"/>
  <InArea codingScheme="A01" v="10YCS-SERBIATSOV"/>
  <OutArea codingScheme="A01" v="10YHU-MAVIR----U"/>
  <MeasureUnitQuantity v="MAW"/>
  <Currency v="EUR"/>
  <MeasureUnitPrice v="MWH"/>
  <Divisible v="A01"/>
  <BlockBid v="A02"/>
  <Period>
    <TimeInterval v="2019-03-11T23:00Z/2019-03-12T23:00Z"/>
    <Resolution v="PT60M"/>
    <Interval>
      <Pos v="1"/>
      <Qty v="20.0"/>
      <PriceAmount v="4.33"/>
    </Interval>
    <Interval>
      <Pos v="2"/>
      <Qty v="20.0"/>
      <PriceAmount v="4.33"/>
    </Interval>
    .....
    <Interval>
      <Pos v="23"/>
      <Qty v="20.0"/>
      <PriceAmount v="4.33"/>
    </Interval>
    <Interval>
      <Pos v="24"/>
      <Qty v="20.0"/>
      <PriceAmount v="4.33"/>
    </Interval>
  </Period>
</BidTimeSeries>
```



## ■ Third bid

```
<BidTimeSeries>
  <BidIdentification v="3"/>
  <AuctionIdentification v="MKRS-D-12032019-65562"/>
  <BusinessType v="A03"/>
  <InArea codingScheme="A01" v="10YCS-SERBIATSOV"/>
  <OutArea codingScheme="A01" v="10YMK-MEPSO----8"/>
  <MeasureUnitQuantity v="MAW"/>
  <Currency v="EUR"/>
  <MeasureUnitPrice v="MWH"/>
  <Divisible v="A01"/>
  <BlockBid v="A02"/>
  <Period>
    <TimeInterval v="2019-03-11T23:00Z/2019-03-12T23:00Z"/>
    <Resolution v="PT60M"/>
    <Interval>
      <Pos v="1"/>
      <Qty v="11.0"/>
      <PriceAmount v="3.34"/>
    </Interval>
    <Interval>
      <Pos v="2"/>
      <Qty v="11.0"/>
      <PriceAmount v="3.34"/>
    </Interval>
    .....
    <Interval>
      <Pos v="23"/>
      <Qty v="11.0"/>
      <PriceAmount v="3.34"/>
    </Interval>
    <Interval>
      <Pos v="24"/>
      <Qty v="11.0"/>
      <PriceAmount v="3.34"/>
    </Interval>
  </Period>
</BidTimeSeries>
```





## ■ Fourth bid

```
<BidTimeSeries>
  <BidIdentification v="4"/>
  <AuctionIdentification v="MKRS-D-12032019-65562"/>
  <BusinessType v="A03"/>
  <InArea codingScheme="A01" v="10YCS-SERBIATSOV"/>
  <OutArea codingScheme="A01" v="10YMK-MEPSO----8"/>
  <MeasureUnitQuantity v="MAW"/>
  <Currency v="EUR"/>
  <MeasureUnitPrice v="MWH"/>
  <Divisible v="A01"/>
  <BlockBid v="A02"/>
  <Period>
    <TimeInterval v="2019-03-11T23:00Z/2019-03-12T23:00Z"/>
    <Resolution v="PT60M"/>
    <Interval>
      <Pos v="1"/>
      <Qty v="21.0"/>
      <PriceAmount v="4.34"/>
    </Interval>
    <Interval>
      <Pos v="2"/>
      <Qty v="21.0"/>
      <PriceAmount v="4.34"/>
    </Interval>
    .....
    <Interval>
      <Pos v="23"/>
      <Qty v="21.0"/>
      <PriceAmount v="4.34"/>
    </Interval>
    <Interval>
      <Pos v="24"/>
      <Qty v="21.0"/>
      <PriceAmount v="4.34"/>
    </Interval>
  </Period>
</BidTimeSeries>
```



## ■ Fifth bid

```
<BidTimeSeries>
  <BidIdentification v="5"/>
  <AuctionIdentification v="RORS-D-12032019-65566"/>
  <BusinessType v="A03"/>
  <InArea codingScheme="A01" v="10YCS-SERBIATSOV"/>
  <OutArea codingScheme="A01" v="10YRO-TEL-----P"/>
  <MeasureUnitQuantity v="MAW"/>
  <Currency v="EUR"/>
  <MeasureUnitPrice v="MWH"/>
  <Divisible v="A01"/>
  <BlockBid v="A02"/>
  <Period>
    <TimeInterval v="2019-03-11T23:00Z/2019-03-12T23:00Z"/>
    <Resolution v="PT60M"/>
    <Interval>
      <Pos v="1"/>
      <Qty v="12.0"/>
      <PriceAmount v="3.35"/>
    </Interval>
    <Interval>
      <Pos v="2"/>
      <Qty v="12.0"/>
      <PriceAmount v="3.35"/>
    </Interval>
    .....
    <Interval>
      <Pos v="23"/>
      <Qty v="12.0"/>
      <PriceAmount v="3.35"/>
    </Interval>
    <Interval>
      <Pos v="24"/>
      <Qty v="12.0"/>
      <PriceAmount v="3.35"/>
    </Interval>
  </Period>
</BidTimeSeries>
```



## ■ The last bid

Last row in .xml file

```
<BidTimeSeries>
  <BidIdentification v="12"/>
  <AuctionIdentification v="RSRO-D-12032019-65554"/>
  <BusinessType v="A03"/>
  <InArea codingScheme="A01" v="10YRO-TEL-----P"/>
  <OutArea codingScheme="A01" v="10YCS-SERBIATSOV"/>
  <MeasureUnitQuantity v="MAW"/>
  <Currency v="EUR"/>
  <MeasureUnitPrice v="MWH"/>
  <Divisible v="A01"/>
  <BlockBid v="A02"/>
  <Period>
    <TimeInterval v="2019-03-11T23:00Z/2019-03-12T23:00Z"/>
    <Resolution v="PT60M"/>
    <Interval>
      <Pos v="1"/>
      <Qty v="27.0"/>
      <PriceAmount v="4.50"/>
    </Interval>
    <Interval>
      <Pos v="2"/>
      <Qty v="27.0"/>
      <PriceAmount v="4.50"/>
    </Interval>
    .....
    <Interval>
      <Pos v="23"/>
      <Qty v="27.0"/>
      <PriceAmount v="4.50"/>
    </Interval>
    <Interval>
      <Pos v="24"/>
      <Qty v="27.0"/>
      <PriceAmount v="4.50"/>
    </Interval>
  </Period>
</BidTimeSeries>
</BidDocument>
```



# List of Contacts

## Registration of market participants and Financial issues

E-mail	Phone No.
<a href="mailto:jelena.pejovic@ems.rs">jelena.pejovic@ems.rs</a> <a href="mailto:jasmin.licina@ems.rs">jasmin.licina@ems.rs</a>	+381 11 39 57 112

## Auction Platform Helpdesk – User support (Auction Platform Operators) – Daily Auctions operation and other operational issues

E-mail	Phone No.
<a href="mailto:alokacija@ems.rs">alokacija@ems.rs</a>	+381 11 39 57 176
<a href="mailto:radomir.zivic@ems.rs">radomir.zivic@ems.rs</a>	
<a href="mailto:jovana.petrovic@ems.rs">jovana.petrovic@ems.rs</a>	+381 11 30 91 876

## Auction Platform Helpdesk – IT support – Electronic certificates (token) issues

E-mail	Phone No.
<a href="mailto:jovana.tekicnovakovic@ems.rs">jovana.tekicnovakovic@ems.rs</a>	+381 11 39 57 100