

***B. DRAFT CONTRACT AND SPECIAL CONDITIONS,
INCLUDING ANNEXES***

DRAFT CONTRACT

SUPPLY CONTRACT FOR EUROPEAN UNION EXTERNAL ACTIONS

No 48-00-00144/2021-28

FINANCED FROM THE GENERAL BUDGET OF THE UNION

The Government of the Republic of Serbia, represented by the Ministry of Finance, Department for Contracting and Financing of EU Funded Programmes (CFCU), Sremska 3-5 St, 11000 Belgrade

(‘The contracting authority’),

of the one part,

and

<Full official name of contractor>

[<Legal status/title>]¹

[<Official registration number>]²

<Full official address>

[<VAT number>]³, (‘the contractor’)

of the other part,

have agreed as follows:

CONTRACT TITLE “SCADA PLATFORM FOR DSO”

Identification number NEAR/BEG/2022/EA-OP/0129

Article 1 Subject

1.1 The subject of the contract shall be: the supply, delivery, unloading, sitting and installation, commissioning, development, maintenance and warranty of the following supplies:

Item no.	Item	Quantity
Hardware		
1.1.1	Rack	1

¹ Where the contracting party is an individual.

² Where applicable. For individuals, mention their ID card or passport or equivalent document – number.

³ Except where the contracting party is not VAT registered.

1.1.2	HA system with computing nodes, Computing nodes – (min. 3 pieces)	3
1.1.3	HA storage services software (for all offered computing nodes)	3
1.1.4	Uninterruptible Power Supply (UPS)	2
1.1.5	Top Of the Rack Ethernet switch	2
1.1.6	Segmentation Next Generation Firewall	2
1.1.7	Next Generation Firewall for ICS	2
1.1.8	Treath intelligence appliance, SCADA protection and security	2
1.1.9	Management platform, hardware or virtual appliance	1
1.1.10	Enterprise Data protection solution	1
1.2.1	Dispatch WorkStation	4
1.2.2	Engineering WorkStation	5
1.3.1	Colour Laser Printer with Scan&Copy function	2
1.3.2	VideoWall (2 x LCD Display, 1 x DeskTop PC)	1
1.3.3	LAN network equipment	2
1.3.4	WAN communication equipment	2
1.4.1	WAN communication equipment HOT SWAP EQ	1
1.4.2	LAN network equipment HOT SWAP EQ	1
1.5.	Software, Notice: Detailed functional requirements are further described under items: 4.1.1, 4.1.2, 4.1.3, 4.2 of Section 4, Appendix to Technical Specification Section 4	
1.5.1	Real-Time Network Operations	1
1.5.2	Planning Applications	1
1.5.3	Network Analysis Applications	1
1.5.4	Data Acquisition and Data Processing - SCADA	1
1.5.5	IS&R (Data acquisition)	1
1.5.6	Interface to Metering/Code Operations Platform	1
1.5.7	Interfaces to Legacy Systems	1
1.5.8	Utility software	1
1.5.9	Development software	1
1.5.10	Interface to GIS Software, SCADA Integration	1
2.	System Operations Platform	

2.1.	Functional Requirements
2.1.1.	Functional Requirements > Real-Time Network Operations (applications supporting the System Operator's day-to-day network monitoring, dispatch and restoration activities)
2.1.1.1.	Dynamic Network Visualization
2.2.	Functional Requirements > Network Operations Planning
2.2.1.	Demand Forecast
2.2.2.	Maintenance Program Service Notice: The SYSTEM shall provide the Maintenance Program Service (MPS). The subject of the MPS is the provision of application support for DSO Distribucijagas Srbija to comply with the Grid Code, the generation of the Maintenance Program in particular.
2.2.3.	Code Operations Capacity and (Re-)Nomination Verification
2.2.4.	Dispatch Schedule Generation
2.2.4.1.	Dispatch Schedule application user Interface
2.2.4.2.	Reissuance of the Dispatch Schedule
2.2.5.	Geographic Information System (GIS) integration
2.2.6.	Linepack Planning
2.2.6.1.	Application Modelling and Execution
2.2.6.2.	State Estimation
2.2.6.3.	Gas Flow Calculations
2.2.6.4.	Balancing Gas Requirements
2.3.1.	Post-Operation System Analysis
2.3.2.	Linepack Calculations
2.3.3.	Information Storage and Retrieval Services (IS&R)
2.3.4.	Gas Network Simulation Services
2.3.4.1.	Control System Simulator
2.3.4.2.	Scenario Builder

2.3.4.3.	GNS Execution Management
2.4.1.	SYSTEM Configuration
2.4.2.	Data Acquisition Subsystem
2.4.3.	TASE.2 Data Exchange
2.4.4.	Generic Data Exchange
2.4.5.	Data Acquisition Features
2.4.6.	Supervisory Control
2.5.1.	Application and System Development
2.5.2.	Diagnostics
2.5.3.	Critical Infrastructure Protection
2.5.4.	Data Architecture
2.5.5.	Configuration Control, Redundancy, and Failure Management
2.5.6.	Hardware
2.5.7.	Servers
2.5.8.	Communications
2.6.1.	User Interface Features
2.6.2.	User Interface
2.6.3.	Display Generation
2.6.4.	Interactive Operational Information Generation
2.6.5.	Information Storage and Retrieval
2.6.6.	IS&R Data Storage
2.6.7.	Disturbance Recording
2.6.8.	IS&R Data Calculation
2.6.9.	IS&R Data Presentation
2.6.10.	Audit Trail
2.6.11.	Data Archive Management
2.6.12.	Database Products and Licensing
2.7.1.	Non-Functional Requirements > Capacity and Performance
2.7.2.	System Capacity
2.7.3.	System Performance

2.7.4.	Scope and dimensions of the SYSTEM	
2.8.	Non Functional Requirements – SYSTEM Testing	
2.8.1.	Modifications to the SYSTEM during Testing (in line with technical offer)	
2.9.	Non Functional Requirements – Training	
2.9.1.	Programming in the System Environment	
2.9.2.	Location and Number of Students	
2.9.3.	Training	
2.10.	Documentation	
2.10.1.	Deliverable Documentation	
2.10.2.	Installation Images and Source Code	
2.10.3.	Software Requirements Matrix	
2.10.4.	System Maintenance Manual	
2.10.5.	Cyber Security Documentation	
2.10.6.	Display Style Guide	
2.10.7.	Operating Manuals	
2.10.8.	Simulator Instructor user's Guide	
2.10.9.	System Overview	
2.11.	System Availability	
2.11.1.	Availability Requirements - PCS and BCS	
2.11.2.	Availability Requirements - Other SYSTEM Component Systems	
2.12.1.	Deliverable Version	
2.12.2.	Maintenance Support Program Components	
2.12.3.	Problem Reporting	
2.12.4.	Response Times	
2.12.5.	Maintenance Responsibilities > Hardware Maintenance	
2.12.6.	Software Maintenance	
2.12.7.	Maintenance during Commissioning	
2.12.8.	System Security for Maintenance	
3.	Contractor's warranty	
3.1.	Help desk support in duration of 1 (one) year after the issuance of the	1 year

	Provisional Acceptance, as described in point 5.6.3 Maintenance Support Program Components (Appendix to Technical Specifications, Section 5)	
3.2.	Corrective maintenance for software in duration of 1 (one) year after the issuance of the Provisional Acceptance Certificate as described in point 5.6.4 Problem Reporting (Appendix to Technical Specifications, Section 5)	1 year
3.3.	Restoration to normal operation within the defined Solution to restore times in case of disruptions in duration of 1 (one) year after the issuance of Provisional Acceptance Certificate as described in point 5.6 Hardware and Software Maintenance. (Appendix to Technical Specifications Section 5)	1 year
4.	Contractor Statement	
5.	Support services	

The place of acceptance of the supplies shall be Public Enterprise "Srbijagas", Autoput 11, (Rajkova 13a), 11070 Beograd, the time limits for delivery shall be 450 days and the Incoterm applicable shall be DDP⁴. The implementation period of tasks shall be 540 days, run from Commencement date to date of Provisional Acceptance.

1.2 The contractor shall comply strictly with the terms of the special conditions and the technical annex.

Article 2 Origin

The rules of origin of the goods are defined in Article 10 of the special conditions.

When required, a certificate of origin for the goods must be provided by the contractor at the latest when it requests provisional acceptance of the goods. Failure to comply with this condition may result in the termination of the contract and/or suspension of payment.

Article 3 Price

3.1 The price of the supplies shall be that shown on the financial offer (specimen in Annex IV). The total maximum contract price shall be EUR<insert price>.

3.2 Payments shall be made in accordance with the general and/or special conditions (Articles 26 to 28).

Article 4 Order of precedence of contract documents

The contract is made up of the following documents, in order of precedence:

- the contract agreement;
- the special conditions
- the general conditions (Annex I);
- the technical specifications (Annex II [including clarifications before the deadline for submission of tenders
- the technical offer (Annex III including clarifications from the tenderer provided during tender evaluation);

⁴ DDP (Delivered Duty Paid- Incoterms 2020 International Chamber of Commerce - <http://www.iccwbo.org/incoterms/>

- the budget breakdown (Annex IV);
- specified forms and other relevant documents (Annex V);

The various documents making up the contract shall be deemed to be mutually explanatory; in cases of ambiguity or divergence, they shall prevail in the order in which they appear above.

Article 5 Other specific conditions applying to the contract

For the purpose of Article 44 of the general conditions, for the part of the data transferred by the contracting authority to the European Commission:

(a) the controller for the processing of personal data carried out within the Commission is the head of contracts and finance unit R4 of DG Neighbourhood and Enlargement Negotiations.

(b) the data protection notice is available at [https://wikis.ec.europa.eu/display/ExactExternalWiki/Annexes#AnnexesA\(Ch.2\):General](https://wikis.ec.europa.eu/display/ExactExternalWiki/Annexes#AnnexesA(Ch.2):General)

Done in English in three originals, one original being for the contracting authority, one original being for the European Commission, and one original being for the contractor.

For the contractor

Name:

Title:

Signature:

Date:

For the contracting authority

Name:

Title:

Signature:

Date: