

## **ANNEX II: TECHNICAL SPECIFICATIONS & ANNEX III: TECHNICAL OFFER**

### **SECTION 3: TECHNICAL DATA SCHEDULE**

#### **LOT 3: Development of remote supervision and control systems for the medium voltage distribution grid in the area of Elektrosrbija Kraljevo**

##### **TECHNICAL REQUIREMENTS FOR THE 12kV OUTDOOR MOUNT TWO-POLE VOLTAGE TRANSFORMER**

## SECTION 3: TECHNICAL DATA SCHEDULE 09

## 12KV OUTDOOR MOUNT TWO-POLE VOLTAGE TRANSFORMER

Item	Description	Unit	Required	Guaranteed
<b>1</b>	<b>GENERAL</b>			
1.1	Manufacturer			
1.2	Type		Dry and encapsulated in the epoxy fill vacuum process	
1.3	Model			
1.4	Country of origin			
1.5	Standards		IEC 186	
1.6	QMS		ISO 9001	
1.7	Mount location		Outdoor, pole mount	
<b>2</b>	<b>RATED VALUES</b>			
2.1	Rated primary voltage	kV	10	
2.2	Equipment top voltage (eff.)	kV	12	
2.3	Rated secondary voltage	V	230	
2.4	Rated test voltage 50 Hz, 1 min (eff.)	kV	28	
2.5	Rated test voltage 1.2/50 ms	kV	75	
2.6	Rated frequency	Hz	50	
2.7	Accuracy class		1/3P	
2.8	Rated power	VA	150	
2.9	Rated voltage factor		1.2 permanent	
2.10	Secondary limiting thermal current	A	6	
2.11	Basic insulation type		epoxy resin	
2.12	Standing regulation		SRPS EN 60044-2	
<b>3</b>	<b>ENVIRONMENT CONDITIONS</b>			
3.1	Temperature range	°C	-25°C to +50°C	
3.2	Humidity		0-90%	
3.3	Altitude	m	<2000	
<b>4</b>	<b>DOCUMENTATION:</b>			

Item	Description	Unit	Required	Guaranteed
4.1	The device shall be delivered with complete documentation (CD and printouts) for: mounting maintenance The documentation shall be in Serbian.		yes	
5	<b>CERTIFICATE OF COMPLIANCE AND TESTING DOCUMENTATION</b>			
5.1	The device shall be delivered with complete certificate of compliance documentation: factory test sheets in accordance with IEC standards		yes	
OVERALL COMPLIANCE WITH THE REQUIREMENTS (YES/NO)				

**NOTE:**

Technical description:

- Outdoor mount;
- Two-pole;
- Highly reliable operation, i.e. no need for regular maintenance;
- the Supplier shall provide an authorized service outlet and spare parts in the territory of the Republic of Serbia in a period not shorter than 2 years from the date of commissioning the system. The equipment supplier shall be obligated to provide a warranty period for the installed equipment within 1 year from the date of commissioning the system (per site);
- Resistant to external influence;

The offered equipment shall comply with SRPS, i.e. IEC standards relevant to this field.