

## Tehnickal Specifications (F4.1)

*[This table will be completed by the tenderer in columns 3, 4, 5, 7 and by the contracting authority - in columns 1, 2, 6, 8]*

Tender number:	313/18	Data: <u>08.08. 2018</u>	Alternativ nr.: _____
Tender name:		Lot: _____	Page: __total page __

Cod CPV	Name of the requested goods / works	Model	Country of Origin	Manufacturer	Technical specifications required by contracting authority	Technical specifications proposed by the bidder	Reference standards
1	2	3	4	5	6	7	8
	<b>Goods / Works:</b>						
	Lot 1						
31122000-7	<b>The generator of electrostatic impulses for testing products in accordance with IEC / EN 61000-4-2 standard</b>				<ul style="list-style-type: none"> <li>- The Electrostatic impulses generator ESD should be fully compliant with technical requirements of the IEC/EN 61000-4-2 and ISO 10605 standards</li> <li>- Contact Discharge (CD mode): at least 0.2kV – 30KV;</li> <li>- Air discharge (AD mode): at least 0.2kV – 30 kV;</li> <li>- Resolution: 100V steps;</li> <li>- Accuracy of the charging voltage measurement: better than ±5%</li> <li>- Holding time &gt; 5 sec;</li> <li>- Impulses polarisation: pozitiv/negativ;</li> <li>- Operating modes: single/repetitive discharges (at least 20 discharges per sec.)</li> </ul>		<b>IEC / EN 61000-4-2</b>

					<ul style="list-style-type: none"> <li>- The generator should have possibility to select the quantity of impulses and repetition frequency</li> <li>- Pre-programmed settings for IEC 61000-4-2</li> <li>- The parameters of the contact current discharge wave form should be compliant with IEC/EN 61000-4-2 standard</li> <li>- The ESD generator should be equipped with technical means to prevent unintentional radiations, continuous or pulsed, so as not to disturb the test equipment or auxiliary test equipment by parasitic effects.</li> <li>- Discharge tips for air discharge and contact discharge should be in conformity with forms and dimensions presented in the IEC/EN 61000-4-2</li> <li>- The length of the current discharge cable of ESD generator should be : <math>2 \pm 0.05</math> m</li> <li>- The ESD generator should be equipped with LCD display which show: the discharge/charge voltage, impulses polarization, contact/air discharge mode, quantity of selected /applied impulses;</li> <li>- The ESD should be capable to perform test according to: EN 61000-4-2; o EN 55024;</li> <li>- The vertical coupling plane with sizes 0.5x0.5m with contact point and the 470 kOhm discharge resistors will be offered</li> <li>- The offer will include the necessary accessories to calibrate the ESD generator according to the test</li> </ul>		
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					<p>specified in IEC/EN 61000-4-2 standard</p> <ul style="list-style-type: none"> <li>- The measuring instrument should be compliant to the applicable European technical regulations, safety requirements of the EN/IEC 61010 standard and shall comply with relevant EMC&amp;EMI standards.</li> <li>- The ESD generator should be supplied with the Calibration Certificate issued by the <a href="#">ILAC/EA/APLAC/IAAC (ISO 17025) accredited calibration laboratory</a>.</li> <li>- Calibration certificate shall not be older than 2.5 months from date of delivery to IP SNMFRSC.</li> </ul>		
	<b>Total lot 1</b>						
	Lot 2						
	<b>TOTAL</b>						

Signature:\_\_\_\_\_ Name:\_\_\_\_\_ The capacity of the signing person: \_\_\_\_\_

Bidder: \_\_\_\_\_ Address: \_\_\_\_\_

## Price specifications (F4.2)

[This table will be completed by the bidder in columns 5,6,7,8 and by the contracting authority - in columns 1,2,3,4,9]

Tender number:313/18	Data: <u>08.08.2018</u> _____ 20__	Alternativ nr.: _____
Tender name:	Lot: _____	Pag: __total page __

Cod CPV	Name of the requested goods / works	Unit	Quantity	Unit pice (without VAT)	Unit price (with VAT)	Total value (without VAT)	Total value (with VAT)	Delivery time/ provision
1	2	3	4	5	6	7	8	9
	<b>Goods / Works:</b>							
	Lot 1							
31122000-7	<b>The generator of electrostatic impulses for testing products în accordance with IEC / EN 61000-4-2 standard</b>	Buc.	1					2 months from the moment of payment received
	<b>Total lot 1</b>							
	Lot 2							
	<b>TOTAL</b>							

Signature:\_\_\_\_\_ Name:\_\_\_\_\_ The capacity of the signing person:\_\_\_\_\_

Bidder: \_\_\_\_\_ Address: \_\_\_\_\_

