***Enclosure No.: 1 to Specification of Essentials terms of the public contract (SIWZ)***

**Delivery specification – single-phase Magnetron modulator**

The subject-matter of the public procurement is the delivery of a single-phase magnetron modulator.

Parameters of the modulator:

|  |  |  |
| --- | --- | --- |
| Name, Type, Model, Producer …………………………………….. | | |
|  | Required parameters | Parameters offered |
| Microwave power in the impulse | 3.1MW |  |
| Power in impulse to magnetron | 6.2MW |  |
| Average power for a magnetron | 1,58kW |  |
| Voltage in the pulse | 30-52 kV |  |
| Current in impulse | 30-120A |  |
| Output voltage stability | <± 2% |  |
| Flatness of the output pulse | <± 2% |  |
| Frequency | 0-50Hz |  |
| Pulse width | 0.5-4us |  |
| The speed of voltage increase | 80-120 kV / s |  |
| Communication | Ethernet |  |
| The possibility of powering | magnetron MG6090 or MG7905 |  |
| Cooling | air |  |
| power supply | 230VAC, 50Hz |  |
| Mechanical parameters | | |
| Weight | <140kg |  |
| WxSxG (not bigger than)  Tank Unit:  Pulse Unit: | 530mm x 403mm x 270mm  475mm x 482mm x 310mm |  |
| Warranty period | 12 months (minimum) |  |