# Enclosure No.:1 to

Specification of essential

 terms of the contract (SIWZ)

# Detailed Specification of the Subject –Matter of the Public Procurement

The subject-matter of the public procurement is the delivery of a the S-Band magnetron set consist of:

* S-Band Magnetron 2 pcs
* Transition Waveguide 1 pcs
* Electro Magnet 1 pcs

|  |  |
| --- | --- |
| **Magnetron (type, model, producer)** | **………………………………………….** |
| **Parameter** | **Required** | **Offered** |
| Frequency range  | 2993 to 3002 MHz |  |
| Peak output power | 3.1 MW |  |
| Input power (mean) | 8 kW |  |
| Output | to no.10 waveguide (72.140 x 34.04 mm internal) |  |
| Cooling | water |  |
| Cathode | indirectly heated |  |
| Heater voltage | 14 Vdc |  |
| Heater current at 14 V | 7.0 - 9.0 A |  |
| Heater starting current, peak value, not to be exceeded | 20 A max |  |
| Cathode pre-heating time  | 10 min |  |
| Net weight | 9 kg approx.. |  |
| Mounting position | any |  |
| Magnetic field | 1000 – 1650 gauss |  |
| Anode voltage(peak) | 52kV max. |  |
| Anode current(peak) | 60 – 120A |  |
| Pulse duration | Max 5μs |  |
| Pulse repetition rate  | 1 to 300Hz |  |
| Rate of rise of voltage pulse | 80 - 120kV/μs |  |
| Working temperature range | 50°C max. |  |
| Warranty period  | 12 months (minimum) |  |

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| --- | --- |
| **Name** | **Type, model, producer** |
| Waveguide transitionDedicated for offered magnetron in point 1-1 pcs | ……………………………………. |
| Electromagnet of magnetronMechanically proper with an offered magnetron in point 1-1pcs | …………………………………….. |