* + - * 1. **Appendix No. 2**
        2. ........................................ .............................................
        3. Stamp of the Contractor place and date

**SUMMARY OF REQUIREMENTS**

***re. Delivery of ceilometer***

***CEILOMETER: ………………………………………………***

*Name of the device, producer, type/model*

| **Lp.** | Subject | Description of requirements | **Parameters offered** |
| --- | --- | --- | --- |
| **Technical characteristic of the device** | | | |
| 1 | Measuring principle | Optical (LIDAR) |  |
| 2 | Measuring range (CBH) | 5 m ... 15 000 m |  |
| 3 | Accuracy | ± 5 m |  |
| 4 | Range resolution | 5 m |  |
| 5 | Sampling rate | 100 MHz |  |
| 6 | NetCDF raw data resolution | 15 m (full range, compact file sizes)  5 m (5 m to 150 m range) |  |
| 7 | Time to measure | 2s … 600s (programmable) |  |
| 8 | Targets | Aerosols, clouds |  |
| 9 | Light source | Nd:YAG solid-state laser, wavelength 1064 nm |  |
| **Interface and software characteristic** | | | |
| 1 | Standard interface | RS485, LAN |  |
| 2 | Optional interfaces | RS232 or Modem V.21, V.22, V.22bis |  |
| 3 | Communication | LAN Port: Web-Interface  Serial Port |  |
| 4 | Software | For visualizing measured results |  |
| **Electrical parameters** | | | |
| 1 | Power supply standard | 230 V(AC), ±10 % |  |
| 2 | Optional power supply | 110 VAC, 115 VAC, ±10 % |  |
| 3 | Power consumption | 250 W (standard)  800 W (in maximum heating mode) |  |
| 4 | UPS functionality | Internal backup battery for electronics, > 1 hrs |  |
| **Operating conditions** | | | |
| 1 | Temperature | -40 °C ... +55 °C |  |
| 2 | Relative humidity | 0 % ... 100 % |  |
| 3 | Wind | 55 ms-1 |  |

Example of the device which meets the requirements above: Ceilometer CHM 15k „Nimbus” with accessories and software

***REMARK***

*The Contractor should submit with the bid offer the Technical Specifications of offered devices (catalogs, brochures, catalog cards, etc.) confirming that the offered device meets the requirements described above.*

....................................................................................

signature and stamp of the Contractor

or an authorized person