**ANNEX NO. 4 OF DOCUMENTATION OF THE PROCUREMENT PROCEDURE**

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**SPECIFICATION OF THE PUBLIC CONTRACT SUBJECT**

The subject of the public contract shall meet the following requirements for technical parameters and equipment:

|  |  |  |
| --- | --- | --- |
| **Technical specification – Superconducting magnet with optical access** | | |
| **Designation of the delivery (min. brand and type)** | |  |
| **Individual technical parameters of the performance** | | **Data about the offered performance** |
| 1 | Superconducting magnet with optical access |  |
| 2 | Superconducting split-pair magnet producing magnetic field in sample space ≥ 5 T | ***and fills out the actual value*** |
| 3 | Magnetic field stability ≤ 100 ppm/hr | ***and fills out the actual value*** |
| 4 | Low-vibration closed-cycle cryogenic system with separated sample space and cryocooler |  |
| 5 | Compatibility with conventional optical tables |  |
| 6 | Dimensions of device part placed on optical table  ≤ 60 cm x 60 cm | ***and fills out the actual value*** |
| 7 | Gifford-McMahon based cryocooler |  |
| 8 | Sample cooldown time < 7 h | ***and fills out the actual value*** |
| 9 | Vibration level < 2 mg | ***and fills out the actual value*** |
| 10 | Water- or air-cooled compressor equipped with helium lines ≥ 20 m long | ***and fills out the actual value*** |
| 11 | Four optical access windows with diameter of 40 mm and distance from optical table ≤ 30 cm | ***and fills out the actual value*** |
| 12 | User-replaceable optical windows |  |
| 13 | Exchange gas sample loading module |  |
| 14 | XYZ sample nanopositioners with closed loop control and travel range ≥ 10 mm | ***and fills out the actual value*** |
| 15 | Cooling power @4.2 K ≥ 2 W | ***and fills out the actual value*** |
| 16 | Temperature can be set in range at least 2 K – 325 K | ***and fills out the actual value*** |
| 17 | Temperature stability < ± 40 mK | ***and fills out the actual value*** |

Instructions for the participants:

*The participant fills in the data in the “Data about the offered performance” column, indicating for each item whether the performance offered by him meets the relevant request of the contracting authority (“****YES****”) or does not (“****NO****”).*