**ANNEX NO. 4 OF DOCUMENTATION OF THE TENDER 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:

The proposed low temperature measurement broadband probe for zero magnetic field experiments is a highly specialised instrument that is not commercially produced and must be designed and manufactured to our specific custom requirements.

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| --- | --- | --- |
| **Technical specification – Static NMR low-temperature PROBE for solid state NQR/NMR spectrometer** | | |
| **Designation of the delivery (min. brand and type)** | |  |
| **Individual technical parameters of the performance** | | **Data about the offered performance** |
| 1 | static single-channel probe with manual tuning and matching of the resonant circuit |  |
| 2 | probe optimised for measurements of magnetically ordered materials in zero external field at 4.2 K with the sample/probe-head in direct contact to liquid Helium in a Dewar wessel | ***and will enter the actual value*** |
| 3 | outer diameter of the probe-head part submerged to cryoliquid <45 mm | ***and will enter the actual value*** |
| 4 | tuning range optimised for broadband experiments via interchangeable coils and RF components |  |
| 5 | compatible with the NMR-Service (TECMAG) spectrometer and Avance II spectrometer installed in our laboratory |  |
| 6 | probe equipped with temperature sensor (for example Cernox or other) |  |

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****”).*