2. **Textová část nabídky** (popis předmětu technický list nabízeného zboží - jednotlivých součástí, příslušenství a software (data sheet), popř. brožuru nebo jeho bližší technický popis, ze kterých bude vyplývat splnění technických podmínek zadavatele, cenová nabídka, ostatní údaje důležité pro posouzení

[redacted]

[redacted]

FT-NMR SPECTROMETER HIGH RESOLUTION
- 400 MHz -
For Solid and Liquid State NMR

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

Spectrometer Console

- Compact CPU rack integrated in Dual Doors Cabinet (W 110 x D 86 x H 110 cm)
- Spectrometer Control Unit
- CPU: Intel Core i7 6100U, 4GB Memory, Hard Disk: 320 GB or more
- Transmitter & Receiver for Irradiation and Observation (2x RF Channels HF & LF)
  - **High** Frequency **(HF) Channel for specifically ^{1}H and ^{19}F**
  - **Low** Frequency **(LF) Channel** for **X-nuclei (from ^{15}N to ^{31}P)**
  - Frequency Range: 5 to 430 MHz
  - Smart Transceiver System (STS) integrating RF sequencer, DDS (Direct Digital Synthesizer), FSU (Frequency Synthesizer Unit), transmitter, receiver, acquisition unit and gate control

[redacted]

[redacted]

NM-62011MAS MAS Controller

- The MAS Controller, used for solid-state NMR, controls automatically or manually the high speed MAS (Magic Angle Spinning) of a sample tube

NM-84040ATM32 3.2 mm High Resolution 400 MHz AutoMAS Probe

- Two-channel magic angle spinning (MAS) NMR probe with top-loading sample
- The probe is equipped with a spinner module for 3.2 mm sample tube and includes a dual resonance circuit tuned to High Frequency (HF) and Low Frequency (LF), as well as Variable Temperature (VT) and auto-tuning capabilities
- [redacted]
- [redacted]
- Irradiation nuclei (HF channel): ^{1}H, ^{19}F
- Maximum MAS speed: 22 000 Hz
- VT range: [redacted] -20°C to 150°C
- Provide with 2 Rotors Caps

NM-02611SHP32 3.2 mm Solid Sampling Set

- This Solid Sampling Set contains tools used for sampling by shaving off and packing material into 3.2 mm solid sample tube

NM-05410ST32 3.2 mm Zirconia Sample Tube (5 Sets)

- Zirconia sample tube (5 pcs) set compatible with spinner module for a 3.2 mm sample tube

NM-SLPE37E Air Compressor and Dryer System *"Arrest-lwata"* :
For Solid and Liquid State NMR

- [redacted]
- Computer control of sample [redacted] Spin and QNS Spin rate
- [redacted] 10hp/ 7.5KW HP [redacted] Oil free scroll compressor
- [redacted] A1D6/AC [redacted]
- [redacted]
- Vertical air receiver tank, 60gal
- Air filters with automatic [redacted]
- [redacted]

[redacted]

NM-HNC40/501 Liquid Helium and Nitrogen for Installation

- [redacted] Cryogenic Fluids provided for the 1st filling of superconducting Magnet : 400MHz SSY/HWS
- with a 500 Liquid Helium Dewar
- 1,000 Liquid Nitrogen Liters
- [redacted]
- 1 x 9 m³ Helium gas regular size
- 1 x 9 m³ Nitrogen gas

NM-DUFSC1EB 1001³ 100L. Liquid Nitrogen Pressurized Dewar

- [redacted]

NM-ST250DW30 DEWAR KIT for Low Temperature Measurement

- [redacted]

NM-RIOL6KVA Uninterruptive Power Supplies 6 KVa

[redacted]

N2 MEMBRAINE SEPARATOR

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

		[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]			
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	[redacted]	[redacted]	[redacted]	[redacted]	

[redacted]

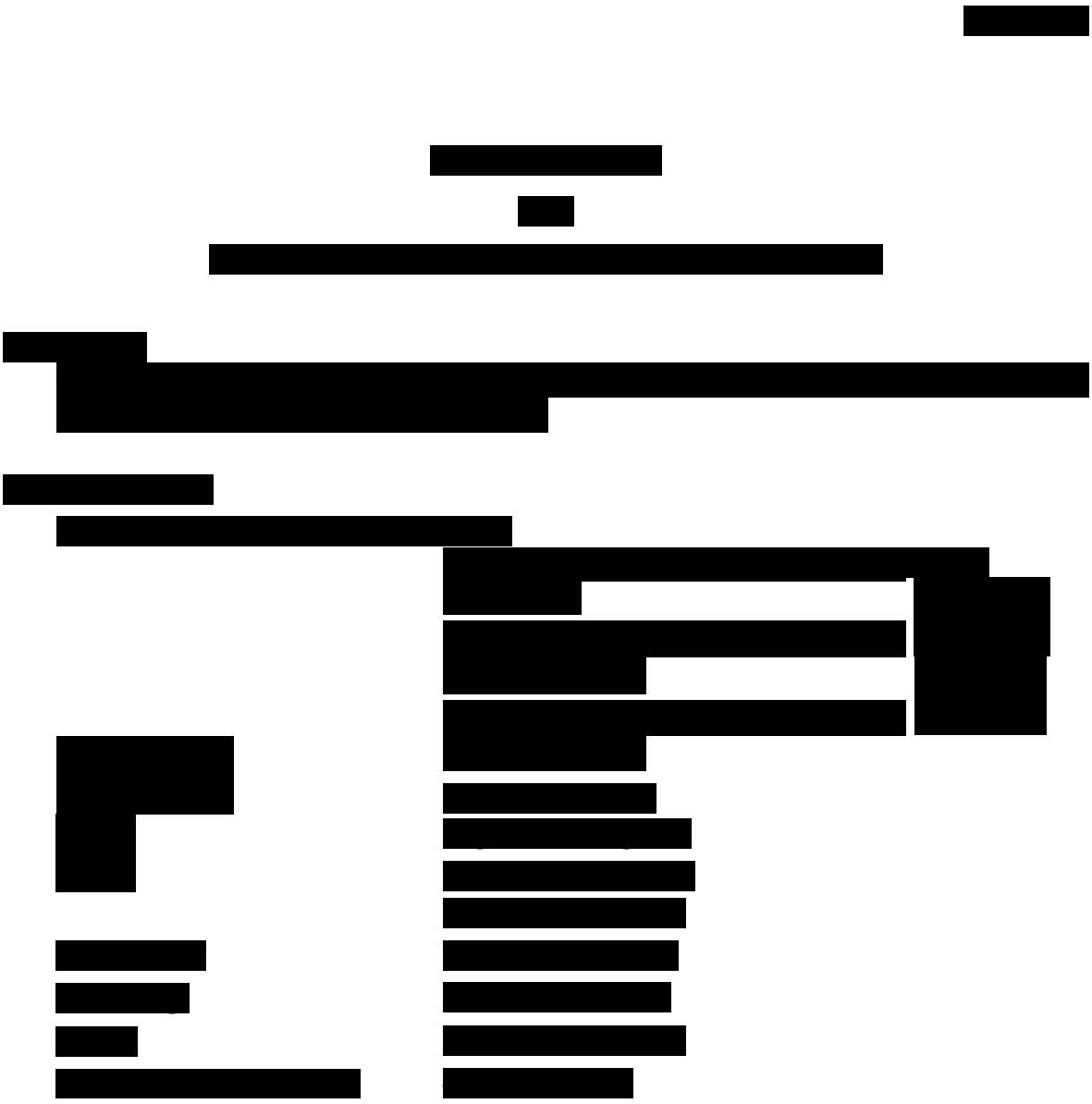
[redacted]

[redacted]

[redacted]

[redacted]

[redacted]



[redacted]

[redacted]

[redacted]

[redacted]

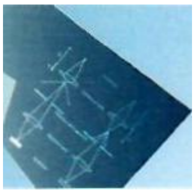
[redacted]

[redacted]

[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]

[redacted]

[redacted]



[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

10) When performing variable temperature measurement, units in the following table re necessary.

	Probe heater	30L dewar and 30L dewar heater [NM-51750DW30+ NM-51780DHS30]	Cooling Unit*Controller [NM-02530CA01 NM-02661XR450 NM-02671XR460]	Super air dryer [NM-05510SDRY]
High temperature measurement	Necessary	Not necessary	Not necessary	Not necessary
Low-temperature measurement		Necessary**	Necessary**	Necessary

* Standard configuration of the spectrometer, ** 30L dewar/30L heater or Cooling unit with controller is necessary.

A) For high temperature measurement, the probe heater included in the standard configuration of the spectrometer can be used.

B) For low temperature measurement, the above heater, the air dryer [NM-05510SDRY], and one of the 30 L dewar/30 L heater [NM-51750DW30+ NM-51780DHS30] or the cooling unit with controller [NM-02530CA01 NM-02661XR450, or NM-02671XR460] are required.

11) This unit can be connected only with the applicable spectrometers.

12) To maintain the performance and safety of the unit, it is recommended to perform periodic maintenance every 2 years.

Specifications are guaranteed when no modifications or additions are made and are subject to change without notice.