Annex No. 1. – The object of purchase specification

1) Extracellular recording system

A complete functional system is required for registration of neurophysiological parameters from freely moving animals using the tetrode technique.

Characteristic of the device	Desirable value YES/NO
• System to record electrophysiological activity from ensemble of single cells in animals using tetrode recording technique.	XXX
• System must operate independently (the system does not require any additional hardware or software, activation, licenses etc.).	XXX
• System must record the position of an animal and synchronize the positional and electrophysiological data.	XXX
• System must include cluster cutting software.	XXX
Price in EUR excluding VAT	**XXXXXXXX**

Minimal technical parameters of a recording device/system:	Desirable value YES/NO
• Possibility to record at least 32 channels simultaneously	XXX
• The sampling frequency must be at least 30 kHz in each channel	XXX
• Possibility of tetrode-type recording build into the recording software	XXX
• Possibility to choose for each channel to record continuous signal or tetrode-type signal	XXX
• Possibility to save or export raw signal in full frequency and amplitude resolution (i.e. according to the maximal sampling frequency and resolution)	XXX
• Possibility of optional settings for saving signals using a lower sampling frequency	XXX
• Adjustable filtering between 0.1 Hz and 10 kHz • Suppression of common-interference AC voltage at 50 Hz	XXX

• Function to display the recorded signals before starting acquisition of data sets.	XXX
• Recording cable	XXX
• Headstage with operational amplifiers	XXX
• Video monitoring - Video camera must be included and it must be compatible with the system.	XXX
• A desktop computer for registration as a part of the system	XXX
• The system includes LCD monitor	XXX
• Open data formats. Saved files with data in open data formats that client can use for his own work with the data.	XXX
• Software for data electrophysiological acquisition	XXX
• Software for video tracking synchronized with electrophysiological data acquisition	XXX
• Software for cluster-cutting of the tetrode signal	XXX
Price in EUR excluding VAT	**XXXXXXXX**

Additional requirements:	Desirable value YES/NO
• Two years warranty	XXX
• Service support within 2 workdays	XXX
• Cooperation in the integration of other devices, systems and software modifications to the system of recording unit.	XXX
Price in EUR excluding VAT	**XXXXXXXXXXXX**

Tender price in EUR excluding VAT	**XXXXXXXX**
VAT	**XXXXXXX**
Tender price in EUR including VAT	**XXXXXXXXXX**