

SPECIFICATION SHEET

FRAMEWORK AGREEMENT FOR THE SUPPLY OF “OEM COMPONENTS FOR DIFFUSE OPTICAL MONITORING PROTOTYPES” FOR ICFO, THROUGH AN OPEN PROCEDURE SUBJECT TO HARMONIZED REGULATION

FILE NUMBER: ICFO-2026-051

Contents

CLAUSE 1. Object of the contract 1

CLAUSE 2. Needs to satisfy..... 1

CLAUSE 3. Technical requirements 1

CLAUSE 4. Operation 2

CLAUSE 5. Warranty and Follow-on Support 2

CLAUSE 6 Delivery and Installation Time 2

CLAUSE 7. Target price 2

CLAUSE 1. Object of the contract

The purpose of this contract is the purchasing and supply of “OEM components for diffuse optical monitoring prototypes” for ICFO’s laboratory.

The types of items supplied are linked to the CPV (Common Public Procurement Vocabulary), **38636000-2; Specialized optical instruments; 73200000-4 Research and development consulting services.**

CLAUSE 2. Needs to satisfy

ICFO is building diffuse optical monitors for biomedical research of the Medical Optics Group. These monitors require OEM parts such as light sources (e.g., OEM laser sources, LEDs), detectors (e.g., SPAD, PMT, APD, CMOS-camera), secondary electrophysiology and physiology monitoring modules (e.g., OEM EEG, EKG, ultrasound). Furthermore, they will require control, automatization and calculation related IT components (e.g., storage, computers, peripherals). We require that experts in provisioning such materials identify reliable suppliers and provision the OEM parts for the prototypes based on our detailed specifications. We expect to construct two prototypes over the next year each with multiple modalities and channels.

ICFO will demand, as soon as they are needed during the following 4 years, the OEM components in order to build the diffuse optical monitors. In each demand, ICFO will indicate technical requirements that the component delivered by the awarded company must fulfil. Those requirements can be different for each component, according to the next clause. In some instances, ICFO will provide exact information that corresponds to a particular product.

In case that ICFO, outside of the specific object indicated in this agreement, has any similar needs, it may contract them through another tender.

CLAUSE 3. Technical requirements

- The supply will include at least the following tasks:
 - Obligation to deliver materials adjusted to the maximum price and the specific characteristics, fixed in each case by ICFO.
 - Strategic assessment regarding the status of the technique, in order to determine some specific characteristics linked to the needs of each job, at the time when this need appears.
- The purchased materials must fulfil the specifications described by ICFO for different components, such as (but not limited to) the following:
 - Lasers: wavelength, coherence, foot-print, stability, power, control, power.
 - Detectors: quantum efficiency, temporal profile, wavelength range, active area, number of parallel detection points, power, control, footprint noise.
 - Secondary monitors: applicable ages, resolution (spatial/temporal as applicable), synchronization, power, control requirements, regulatory requirements.
 - IT components: footprint, connectivity, CPU & GPU specifications, capacity, and standard parameters.

-
- As OEM components, they should fulfill the electrical, mechanical and safety requirements to ensure compatibility with prototypes for clinical/biomedical research and ethical approvals. The detailed description will be provided by ICFO.
 - CE Marking can be required

Bidding companies must provide a catalog with examples of materials that could be supplied to ensure that all technical requirements can be met.

CLAUSE 4. Operation

Each OEM component should come with full specifications and information necessary for integration into the prototypes including power, input/output, safety, temperature, humidity ranges as applicable.

For the correct functioning of the contract and attention to the needs required by the ICFO, in the event that the company is closed for a vacation period, ICFO must be informed at least 2 months in advance of the planned vacation periods. In any case, the service must be operational for at least 10 months throughout the year.

CLAUSE 5. Warranty and Follow-on Support

- **Minimum 2-year Full Warranty** directly from the manufacturer should be ensured.

The warranty will include the replacement of any faulty or damaged part(s) during normal use of the system, no matter the manufacturer of the component(s). It will cover any delivery costs. An on-site repair, or a justified alternative to reduce the system down time to the minimum, will always be the first service option.

CLAUSE 6 Delivery and Installation Time

Materials must be delivered at ICFO within a maximum period of **16 weeks from the purchase order**.

Delivery time is defined as the time elapsed since the PO until the system delivery at ICFO facilities. It includes the manufacture of the system, the transportation, the installation and the acceptance test at ICFO's premises.

CLAUSE 7. Target price

The units and the maximum price to be paid according to the materials to be purchased will be those indicated below:

Category	Tentative unit cost (maximum) EUR	Estimated number of units	Total cost (EUR)
Sources	13,000.00 €	20	260.000 €
Detectors	10,333.33 €	15	155.000 €
Custom optics	13,000.00 €	20	260.000 €
IT components including CPUs, GPUs, components	4,333.33 €	30	130.000 €
Custom driving PCBs, electronics	1,333.33 €	30	40.000 €
Fiber optics	2,666.67 €	60	160.000 €
Housing	1,000.00 €	20	20.000 €
Photonic customization	26,666.67 €	3	80.000 €
Maximum estimate total:			1.105.000 €

The successful bidder may charge the following maximum fee depending on the amount of each order:

Orders up to 15.000 €: a maximum of a 15% fee on the order amount, before VAT
 Orders over 15.000 € a maximum of a 7% fee on the order amount, before VAT

The overall expenditure arising from the framework agreement cannot be specified in advance, as it will be configured by the actual expenditure accumulated for the acquisition of the goods subject to this contract and during its period of validity.

The contracts will be processed by the ICFO through the corresponding expenditure files and financed by charging to the budget credit thereof, so the figures indicated are in no way binding, but rather indicative.

As indicated in the PCAP, the ICFO is not obliged to exhaust the entire amount, as the amounts of the contracts based on this framework agreement respond to unforeseeable needs and for this reason, these contracts could amount to a lower amount than initially planned.

Castelldefels, on the date of the digital signature.

 Dr. Turgut Durduran
 Medical Optics Group Leader