IISER THIRUVANANTHAPURAM

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH THIRUVANANTHAPURAM [IISERTVM]

PH.-0471 2778019,
EMAIL: purchasestores@iisertvm.ac.in

MARUTHAMALA.P.O VITHURA. P.O
THIRUVANANTHAPURAM 695551,
KERALA, INDIA
GST NO.32AAAJI0299R1ZS

Date: 09 Jan 2024

CORRIGENDUM-I TO TENDER NO

No:: IISER/PUR/0623/MMS /SP/23-24

Sub: Supply and Installation of Ultrasound Imaging System: **reg**
Ref: Tender Enquiry No. 2023_IISRT_779363_1

1. The above mentioned global tender is hereby re-tendered with revised technical specifications at Annexure 1.

2. The due dates will be as follows:-

Due Date : 30 Jan 2024 1500 Hrs
Date of opening of technical bids : 31 Jan 2024 1530 Hrs

3. All other Terms and Conditions remain the same. Bidders may quote accordingly

Thanking You,

Yours Faithfully

Deputy Registrar (P&S)

भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुवनंतपुरम
Indian Institute of Science Education and Research Thiruvananthapuram
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Annexure 1

Specifications:

1. Number of channels: >= 128
2. Operating Frequency Range: Lower Limit <= 7MHz and Upper Limit >= 10MHz
3. Mode of operation of the channels: Simultaneous emission and acquisition of signals by the specified number of channels
4. Accessible to raw-data, i.e., raw data is assessable to the user
5. Triggering input and triggering output
6. Triggering through software
7. Compatible to adapt or integrate with the home-built photoacoustic imaging (PAI) system and access the raw data, i.e., enable to trigger the US imaging system with triggering from pulsed laser source in the home-built PAI system (so that it operates only in listening/receiving mode) and enable to operate in pulse-echo US image mode (through) triggering (or time-sharing mode)
8. In continuation to Point 5, the US imaging system serves as acoustic sensors for both the US imaging system and PAI system that is entirely controlled by triggering from pulse triggering output from pulsed laser source (in PAI system), and the raw datas for both US imaging and PAI can be assessed or retrieved by the user
9. Time-lag for triggering US imaging and PAI: <= 700msec.
10. Sampling frequency: >= 55MHz
11. Analog-to-digital-converter (ADC): >= 10 bit
12. Signal amplification: >= 30dB
13. Technical support: online/physical
14. Warranty: >= 1 year
15. Demonstration of operation of the system (with the technical specification): Online/physical
16. Technical data sheet for validation of the specification: To be enclosed

Optional:

1. Compatible laptop with memory >= 500GB; RAM: >= 16GB; Processor: Intel i7 or compatible
2. Extended warranty
3. Linear probe with number of channels >=128 and compatible to the US imaging system