

MOES DOM PROJECT

VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES (VISTAS)

TENDER NOTICE FOR PURCHASE OF BIOMEDICAL EQUIPMENT

TENDER NOTICE No: VISTAS/ MOES DOM /2024/01 Date: 11.07.2024

Tender in sealed cover for supply of equipment are invited from reputed firms and authorized dealers so as to reach the office of the undersigned no later than 3 p.m. on 26.07.2024. Technical bid of the tenders will be opened on 26.07.2024 at 5 p.m. in the presence of authorized representatives of tendered firms. The financial bid of the Tender will be opened on 26.07.2024 at 5 p.m.

Sl. No	Description	Qty	Specifications
1	Wireless Physiological Recording System	1	Annexure IV for detailed Specification

Purchase Committee
MOES DOM
PROJECT,
Dept of Electronics
and
Communication
Engineering,
Vels Institute Of
Science,
Technology and
Advanced Studies
(VISTAS),
Pallavaram,
Chennai - 600117
Tamilnadu, India

NOTE:

(1) PLEASE SEE THE ANNEXURES I, ANNEXURE II, ANNEXURE III and ANNEXURE IV ATTACHED BELOW

(2) ALL THE DOCUMENTS RELATED TO THE TENDER CAN BE DOWNLOADED FROM THE INSTITUTION WEBSITE- **www.vistas.ac.in**, in the section "Quotation/tender"

ANNEXURE I

General Terms and Conditions

1. The main envelope should be super scribed: “Tender for procurement of BIOMEDICAL EQUIPMENT under MOES-DOM Project -VISTAS”
2. Tenders must accompany a copy of the “General Terms and Conditions, Annexure I and Annexure II and III” section of this document, signed and stamped on each page indicating that they agree to these.
3. Last date of submission of the tender along with all documents is 26.07.2024 at 3pm.
4. All other charges including VAT/CST, Excise Duty and other levies payable by C.I.P should be clearly indicated otherwise it will be presumed that the rates quoted are inclusive of all these charges and will not be paid at later date
5. The Excise Duty component (with percentage) should be indicated, as the Institution is exempted from the payment of Custom/Excise Duty. Exemption will be availed by providing Custom/Excise Duty Exemption Certificate with order.
6. The Delivery Schedule, Payment Terms & Warranty/Guarantee etc must be clearly indicated in the technical bid. The charges for extended warranty and/or Annual Maintenance Contract after the expiry of the offered warranty period should also be specified in the financial bid.
7. The manufacturer's printed literature/catalog/drawing/user’s list in respect of the range of product being quoted should also be submitted with the offer.
8. VISTAS is registered with the Department of Scientific & Industrial Research (DSIR), so Excise duty exemption will be provided.
9. Delivery at VISTAS, Pallavaram
10. All other requirements for satisfactory supply and installation of equipment.
11. It will be the responsibility of the supplier to deliver and install the ordered machineries at their own cost at the project location as indicated.
12. All required materials and accessories for satisfactory installation are to be provided by the supplier at their own cost.
13. The supplier should indicate the warranty periods and post warranty AMC etc. Clearly
14. The decision of the VISTAS authorities in finalization and purchase of the machineries is final.

ANNEXURE II

TENDER FORM PART-I (TECHNICAL BID)

Last date for receipt:

Due date for opening Part –I (TECHNICAL BID):

Tenderer’s Offer No:

Date:

From

M/s.
.....

To

Purchase Committee,
MOES DOM Project,
Department of Electronics and Communication Engineering,
Vels Institute Of Science, Technology and Advanced Studies (VISTAS),
Pallavaram, Chennai – 600117, Tamil Nadu, India

Dear Sir,

I/We have gone through the tendering conditions pertaining to the Tender and General Terms and Conditions of Contract and other requirements for delivery and complete Installation cum demo and Special Conditions of Contract contained herein with this tender document. I/we hereby agree to supply the stores conforming to the tender specifications incorporated in ANNEXURE I of the tender document and also agree to abide by your General Conditions of all Contracts and Special Conditions of Contract contained in the ANNEXURE I of the Tender document.

I/We hereby agree to keep the price valid for your acceptance for a period of 90 days from the date of opening of Part-II (Financial bid) of the tender

I/We are also enclosing herewith all the leaflets catalog etc. pertaining to the stores offered.

Yours faithfully

Stamp and Signature of the Tenderer

ANNEXURE III

TENDER FORM PART-II (FINANCIAL BID)

Last date for receipt:

Due date for opening Part –II (FINANCIAL BID):

Tenderer’s Offer No:

Date:

From

M/s.
.....
.....

To

Purchase Committee,
MOES DOM Project,
Department of Electronics and Communication Engineering,
Vels Institute Of Science, Technology and Advanced Studies (VISTAS),
Pallavaram, Chennai – 600117, Tamil Nadu, India

Dear Sir,

In response to your invitation and as per your tendering and contracting conditions, the prices applicable for the scope of supply contained in ANNEXURE-I (TECHNICAL BID) of our tender are indicated in the format at annexure “A” to this tender.

We hereby agree to keep the price valid for your acceptance for a period of 90 days from the date of actual opening of Part-II (FINANCIAL BID) of the tender.

Yours faithfully,

Stamp and Signature of the Tenderer

ANNEXURE IV

Detailed Specifications

- The system should be portable and wearable/wireless to be used in both lab and field studies (recording through vest / harness / belt).
- The system should be able to record at least the below parameters wirelessly
 - ECG signal
 - Acceleration (3 axis)
 - Respiration
 - Skin Temperature
 - GSR
 - SpO2 & Plethysmograph
- Wireless (Transmitter/Recorder) device with transmit range up to 100m, onboard memory capacity of up to 480 hours and 250Hz sampling rate for ECG.
- The system should provide real time data recording and also data logging with both online and offline analysis.
- Should have at least 5-8 hours of operation in full transmission mode.
- The wearable vest / harness / belt should be reusable, waterproof with IP67 rating and fit for wide populations.
- Option to increase the battery backup without stopping the recording with additional battery.
- Should be supplied with the utility software for automatically recognising the sensor status for charging, recording and signal strength.
- The software should have complete HRV analysis for Time domain (Mean, SDRR, SDARR, CVRR, SDSD, RMSSD & pRR50) and Frequency domain (VLF, LF, HF, Total power, LF/HF ratio and non-linear measures of SD1 & SD2), poicare plot, tachogram plot, histogram plot and power spectrum plot.
- Software should have a complete ECG analysis module to tabulate PQRST amplitudes & intervals, QT interval and superimposed waveform in 3D.
- Software should have a video capture module to record and analyze synchronized video along with physiological parameters.
- Software should allow OLE linking to MS Excel for further data interpretation.
- Should have different display modes such as simple chart view, scope view, XY view, zoom view, FFT, spectrum & averaging view.
- Export formats should allow exporting Binary, Axon, IGOR, MATLAB, QuickTime, Wav, Text etc.
- Should have various calculations including Arithmetic, Integral, Derivation, Cyclic Measurements for Rate, period, frequency, count, mean, median, minimum, maximum, height, integral, variance & derivatives with waveform detection presets and custom calculations.
- US FDA/European CE / IEC & ISO certificates to be provided.
- Company should have local offices in India for on time support and service.