Shankar Kumar Selvaraja
Associate Professor

T +91 80 22933342
E shankarks@iisc.ac.in
http://www.http://www.cense.iisc.ac.in/shankar-kum

10th July 2024

To Whom It May Concern

Open Tender for Supply and installation of Midas® GAS DETECTOR Cartridges.

This is an RFQ (Request for Quote) for the Supply and installation of Midas Gas detector cartridges as part of an open tender for the Centre for Nano Science and Engineering (CeNSE) at IISc, Bangalore.

CeNSE is a multidisciplinary research department at IISc that houses a 14,000 sq. ft. cleanroom and characterization facility used by 50 faculty members from various disciplines at IISc. CeNSE also runs a program called the Indian Nanoelectronics Users Program (INUP) which has allowed 4200 participants from more than 700 universities and institutes all over India to use the facilities at CeNSE. Consequently, any tool in CeNSE receives significant exposure to the scientific community at IISc and beyond. The vendors are requested to factor in the value of this exposure in their quotes. Details of existing facilities and the INUP program can be gleaned from: http://nnfc.cense.iisc.ac.in/
http://www.mncf.cense.iisc.ac.in/
https://www.inup.cense.iisc.ac.in/

Procedure

1. Vendors must submit a technical proposal and a commercial proposal in **two separate sealed envelopes**. Only vendors who meet the technical requirements will be considered for the commercial negotiation. **PLEASE MAKE SURE THE SITE VISIT IS DONE BEFORE SUBITTING THE BID. ONLY BIDS FROM VENDORS WHO HAVE VISITED THE SITE WILL BE ENTERTAINED.**
2. **The deadline for submission of proposals is the 31th of July 2024, 5:30 pm Indian Standard Time.** Proposals should arrive at the Main office, GF-15, Centre for Nano Science and Engineering, Indian Institute of Science, Bangalore 560012, India, by the above deadline.
3. The decision of the purchase committee will be final.
4. The Bidder should belong to either class 1 or class 2 suppliers distinguished by their “local content” as defined by recent edits to GFR. They should mention clearly which class they belong to in the cover letter and should provide all the required supporting documents.
   a) Class 1 supplier: Goods and services should have local content equal to or more than 50%.
   b) Class 2 supplier: Goods and services should have local content equal to or more than 20 % and less than 50%).
5. Bidders offering imported products will fall under the category of non-local suppliers. They cannot claim themselves as Class-1 local suppliers/Class-2 local suppliers by claiming services such as transportation, insurance, installation, commissioning, training, and other sales service support like AMC/CMC, etc., as local value addition.

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6. Quote should come only from Indian Original Equipment Manufacturer (OEM) or their Indian authorized distributor.
7. The quotations should be on FOR-IISc Bangalore basis in INR only.
8. MSMEs can seek an exemption to some qualification criteria. IISc follows GFR2017 for such details.
9. Bidders offering imported products must submit an authorized letter of OEM with a particular tender name and address.
10. The bidder should have local vendor support for installation.
11. Purchase preference as defined by the recent edits to GFR (within the "margin of purchase preference") will be given to the Class-1 supplier.
12. The technical proposal should contain a compliance table with 5 columns. The first column must list the technical requirements, in the order that they are given in the technical configuration below. The second column should describe your compliance in a "Yes" or "No" response. If "No" the third column should provide the extent of the deviation (please provide quantitative responses). The fourth column should state the reasons for the deviation, if any. The fourth column should also contain the make and model of the components/parts to be used in the installation.
13. Any additional capabilities or technical details that you would like to bring to the attention of the purchase committee can be listed at the end of the technical table.
14. In the commercial bid, please provide the itemized cost of the different subsystems, along with possible breakups.
15. Provide itemized cost for required spares for 2 years of operation. Please note, the cleanroom is expected to be operational 24x7 and breakdowns should be minimal or nil.
16. As an additional option, provide the cost of an annual maintenance contract (AMC) for 1-year, post-warranty. The AMC must cover 1 scheduled and 1 emergency visit per year. The AMC cost must also include an itemized list of spares that are essential for the scheduled visits.
17. The RFQ must include references to 3 previous installations, preferably in India. Please provide the names and contact addresses of the referees, so that the committee can contact them independently.
18. The offer shall be valid at least 90 Days from the date of opening of the commercial bid.
19. Any questions can be directed to Mr. Gajendra M, Centre for Nano Science and Engineering, Indian Institute of Science, Bangalore 560012, India. (gajendram@iisc.ac.in)

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Technical Specification

Sl No.	Description	Specification
1	Sensor cartridges make	Honeywell
2	Sensor cartridge model	Midas® GAS DETECTOR
3	Number of Sensor cartridges	45
4	List and Type of Sensor	Annexure 1
5	Sensor cartridge lifetime	2 years from installation
6	Operating temperature	Unit with Sensor 32° to 104°F (0° to 40°C)
		Unit with Sensor and Pyrolyzer 32° to 86°F (0° to 30°C)
7	Expected Pyrolyzer Life	MIDAS-T-00P: 1 year MIDAS-T-NP1: 2 years
8	Certification	CE marked Meets EN 50270:2006 (Type2) and
		EN 61000-6-4:2007 ETL approved UL 61010-1 Ed:3 IEEE 802.3af-2003
9	Engineering support	Local vendor support is required for installation and maintenance. Preferably vendor based out of Bengaluru.
10	Emergency response	The vendor should attend to the site within 24 hours for any emergency. Preferably vendor based out of Bengaluru.
11	Warranty	2-year warranty for all items supplied, with complete replacement, if they fail to perform.
12	Vendor type	Bidders offering imported products must submit an authorized letter of OEM with a particular tender name and address.

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Annexure 1

CARTRIDGE NAME	GLD TYPE	Count of CARTRIDGE
H2	MIDAS-E-LEL	12
HCL	MIDAS-E-HCL	7
PH3	MIDAS-E-PH3	7
CL2	MIDAS-E-HAL	6
B2H6	MIDAS-E-B2H	4
NH3	MIDAS-E-NH3	3
SIH4	MIDAS-E-SHX	3
CO	MIDAS-E-COX	1
ASH3	MIDAS-E-ASH	1
H2S	MIDAS -E-H2S	1
Grand Total		**45**

Thanking you,

Shankar Kumar Selvaraja, Ph.D.
Associate Professor
Centre for Nano Science and Engineering Indian Institute
of Science, Bangalore, India 560012.
E-mail: shankarks@iisc.ac.in