



राष्ट्रीय औषधीय शिक्षा तथा अनुसंधान संस्थान गुवाहाटी
**NATIONAL INSTITUTE OF PHARMACEUTICAL
EDUCATION AND RESEARCH GUWAHATI**

NIPER GUWAHATI

Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Govt. of India)

SilaKatamur (Halugurisuk), P.O.: Changsari, Dist: Kamrup, Assam, Pin: 781101.

F.NO: NIPER-G/198/EQP-CPC/DVSA/2021-22 dated 25.02.2022

Minutes of Pre-Bid Meeting.

Equipment Description: Supply and Installation of Dynamic Vapour Sorption analyzer.

With reference to the tender enquiry no: NIPER-G/198/EQP-CPC/DVSA/2021-22 dated: 25.02.2022 NIPER-G has invited open tender enquiry for the procurement of Dynamic vapor sorption analyzer.

As per terms and conditions of the tender the pre-bid meeting for this equipment is scheduled on 03.03.2022 at 10:30 in the conference hall NIPER-Guwahati

Subsequent to the pre-Bid Conference held on 03.03.2022 the prospective bidders may please note that the following changes has made in the tender document. The bidders are here by requested to quote accordingly.

Amendments in the Dynamic Vapor Sorption Analyzer

S. No	Original Specifications	Amended Specifications
1	<p><u>Weighing Balance:</u> The system should have sensitive microbalance with minimum noise capable of the measuring low quantity samples with high accuracy.</p> <ul style="list-style-type: none">• Sample weight: 25 mg to 1000 mg with comparable accuracy at lower sample mass.• Resolution: 0.01 to 0.05 microgram or better.	<p><u>Weighing Balance:</u> The system should have sensitive microbalance with minimum noise capable of the measuring low quantity samples with high accuracy.</p> <ul style="list-style-type: none">• Sample weight: 25 mg to 1000 mg with comparable accuracy at lower sample mass.• Resolution: 0.05 to 1 microgram or better.
2	<p><u>Temperature measurement sensors:</u> The system should have suitable temperature sensors for the uniform distribution, accurate measurements, and control of the temperature in the chamber.</p> <ul style="list-style-type: none">• Temperature control range: 5 – 60 °C or higher• Temperature Resolution/Accuracy: 0.01 °C or better• Temperature stability: ± 0.05 °C or better	No change.

	<ul style="list-style-type: none"> • Heating ramp rates: up to 5 °C / min or better <p>Preheater that can heat up to 200 °C should be provided.</p>	
3	<p><u>Humidity measurement:</u></p> <p>An arrangement for the generation of water vapor and future upgradation possibility for organic vapor arrangement should exist. The sensors should be capable of measuring the accurate values of RH. Reservoirs should be provided for the water and solvents to hold.</p> <ul style="list-style-type: none"> • RH range from 0 to 98% with accuracy $\pm 1\%$ RH or better • RH resolution: $\pm 0.1\%$ or better • Flow controllers: Must have digital flow controllers for uniformity and accurate results. • Carrier gas: N₂, Dry air <p>Suitable sensors for the control of organic vapours and safety features (shut down facility, alarms etc) wherever applicable to avoid the hazards.</p> <p>All the parts encountering water or organic vapor should be solvent resistant, rust proof and pharmaceutically acceptable.</p>	<p><u>Humidity measurement:</u></p> <p>An arrangement for the generation of water vapor and future upgradation possibility for organic vapor arrangement should exist. The sensors should be capable of measuring the accurate values of RH. Reservoirs should be provided for the water and solvents to hold.</p> <ul style="list-style-type: none"> • RH range from 0 to 98% with accuracy $\pm 1\%$ RH or better • RH resolution: $\pm 0.1\%$ or better • Flow controllers: Must have digital/or analogue high quality mass flow controllers for uniformity and accurate results. • Carrier gas: N₂, Dry air <p>Suitable sensors for the control of organic vapours and safety features (shut down facility, alarms etc) wherever applicable to avoid the hazards.</p> <p>All the parts encountering water or organic vapor should be solvent resistant, rust proof and pharmaceutically acceptable.</p>
4	<p><u>Software:</u></p> <p>Compliance with 21 CFR. All the working functions and parameters of DVS should be controllable with the provided software. Should be user friendly with the options to run automatic and manual modes. It should have different modules to perform the various study protocols including preheating, ramp or step changes in temperature and humidity, sorption and desorption cycles, Multiple set point analysis or multiple protocols for sorption and desorption cycles, software functioning options for future upgradation and Raman or NIR sensors also should be included. The software must also support video and camera functionality and Isotherm experimental setup protocols. The software must allow users to interpret the data without any additional software support.</p>	No change

7

5	<p><u>Auxiliary items:</u></p> <ul style="list-style-type: none"> • Vendor must provide all the necessary consumables required for the analysis of minimum 500 samples. • Vendors are requested to quote for imaging systems, additional software modules (if any) separately as an optional item. 	No change
6	<p><u>Video imaging system:</u></p> <ul style="list-style-type: none"> • The imaging system should have highest resolution 1280*1024 pixels with different magnifications of 20X, 50X, 200X. • Images exportable to .jpeg, .tiff, .bmp, .png etc. should be possible. • Calibration facility and annotations on the picture for acceptable format. 	No change
7	<p><u>Warranty:</u></p> <ul style="list-style-type: none"> • 3 years of comprehensive warranty, comprehensive warranty should include all necessary spares and consumables for smooth operation of the system for at least 03 years. • Additional AMC/CMC should be quoted for 4th and 5th year as well. 	No change
8	<p><u>Other requirements:</u></p> <ul style="list-style-type: none"> • The system should be provided with one processing and acquisition computer. Minimum computer specifications for the computer: preinstalled Windows 10 or higher version, Intel Core i5 Duo or a higher processor 3.0 GHz, 16 GB RAM, 5 TB hard disk, mouse, English keyboard, 24 inches LCD monitor Graphics Media accelerator, USB Ports, ethernet port, optical USB Mouse, DVD+ RW, laser printer and 10 KVA online UPS with minimum 1 Hour backup. CPU should be wifi enabled for the internet operations. • Tendered price should include delivery, installation, commissioning, and training at NIPER-Guwahati. • The vendor should provide onsite training at least twice (two training sessions must be at least 6 months apart) for 10 users on the system start up, usage, maintenance, quality 	<p><u>Other requirements:</u></p> <ul style="list-style-type: none"> • The system should be provided with one processing and acquisition computer. Minimum computer specifications for the computer: preinstalled Windows 10 or higher version, Intel Core i5 Duo or a higher processor 3.0 GHz, 16 GB RAM, 5 TB hard disk, mouse, English keyboard, 24 inches LCD monitor Graphics Media accelerator, USB Ports, ethernet port, optical USB Mouse, DVD+ RW, laser printer and 10 KVA online UPS with minimum 1 Hour backup. CPU should be wifi enabled for the internet operations. • Tendered price should include delivery, installation, commissioning, and training at NIPER-Guwahati. • The vendor should provide onsite training at least twice (two training sessions must be at least 6

	<p>control, troubleshooting, etc. including comprehensive classroom training.</p> <ul style="list-style-type: none"> • The vendor should provide the vibration resistant table platform for mounting the entire system. • Suppliers must have an active support in the Guwahati area. In the bid, the supplier should clearly mention how instrument service and repair time will be minimized. • Provided with the empty space, and utilities like electricity, AC, it will be the responsibility of the vendor to install the equipment and accessories to operationally qualify the instrument. 	<p>months apart) for 10 users on the system start up, usage, maintenance, quality control, troubleshooting, etc. including comprehensive classroom training.</p> <ul style="list-style-type: none"> • The vendor should provide the vibration resistant table platform for mounting the entire system. • Suppliers must have an active support in the Guwahati area. In the bid, the supplier should clearly mention how instrument service and repair time will be minimized. • Provided with the empty space, and utilities like electricity, AC, it will be the responsibility of the vendor to install the equipment and accessories to operationally qualify the instrument. • The vendor must quote N2/suitable gas cylinders, regulators, moisture traps and purifiers.
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Note:-

- **The prospective bidders may please note that EMD payable is 3% of the Quoted value and the amount of Rs.2, 50,000/- indicated in CPPP may be ignored. EMD can be waived off on submission of requisite document and to be registered under small scale Industries, which clearly indicates supplier's registration for the item being quoted.**
- **The supplier has to quote for FOR-NIPER Guwahati /CIP-NIPER Guwahati. It is the sole responsibility of the supplier to clear the items from port. The charges towards custom clearance and onward transportation charges will be paid in Indian currency upon submission of original vouchers. The institute will provide the DSIR certificate and custom duty exemption certificate upon the request.**

7

- The Bidders can supply the item by the following mode of transport indicated under GCC clause no: 4.16.3
- In case of supplies from within India, the mode of transportation shall be by Air/Rail/Road.
 - In case of supplies from abroad, the mode of transportation shall be by Air/Ocean.

The other terms and conditions will remains unchanged as mentioned in the tender document under reference no: NIPER-G/198/EQP-CPC/DVSA/2021-22dated: 25.02.2022. The last date for the submission of Bids 17.03.2022 till 14:00 hrs.

Praveer Raj 05/08/22
Stores and Purchase officer.

भंडार एवं क्रय अधिकारी / Stores & Purchase Officer
नाइपर गुवाहाटी, असम (भारत) / NIPER Guwahati, Assam (India)

