

**CHANGES PROPOSED IN TENDER REF.NO.1672/TAM/NA/2018**  
**BY THE TECHNICAL COMMITTEE AFTER PRE - BID MEETING**  
**HELD ON 03.12.2018**

**SECTION II - INSTRUCTION TO BIDDERS**

Existing	Amend to read as
<p><b>ITB Clause - 13.6:</b></p> <p>The successful bidder's bid security will be discharged upon the bidders signing the contract pursuant to ITB clause 30 and furnishing the security pursuant to ITB clause 31.</p>	<p><b>ITB Clause -13.6:</b></p> <p>The successful bidder's bid security will be discharged upon the bidders signing the contract pursuant to ITB clause 30 and furnishing the Performance Security pursuant to ITB clause <b>30</b>.</p>
<p><b>ITB Clause 13.7(b)(ii):</b></p> <p>To furnish performance security in accordance with ITB Clause 31.</p>	<p><b>ITB Clause 13.7(b)(ii):</b></p> <p>To furnish performance security in accordance with ITB Clause <b>30</b>.</p>
<p><b>ITB Clause 23.2.a(ii):</b></p> <p>The guarantee period should be for a minimum period as per section VI Technical specification with warranty details.</p>	<p><b>ITB Clause 23.2.a(ii):</b></p> <p>The guarantee period should be for a minimum period of five years subject to any specific warranty mentioned in section VI Technical Specifications.</p>
<p><b>ITB Clause 28.3:</b></p> <p>Upon the successful bidders furnishing of performance security pursuant to ITB Clause 31 the Purchaser will promptly notify each unsuccessful bidder and will discharge its bid security, pursuant to ITB Clause 13.</p>	<p><b>ITB Clause 28.3:</b></p> <p>Upon the successful bidders furnishing of performance security pursuant to ITB Clause <b>30</b> the Purchaser will promptly notify each unsuccessful bidder and will discharge its bid security, pursuant to ITB Clause 13.</p>
<p><b>ITB Clause 29.2:</b></p> <p>Within 15 days of receipt of notification of award, the successful bidder shall sign and date the contract and return it to the Purchaser.</p>	<p><b>ITB Clause 29.2:</b></p> <p>Within <b>20</b> days of receipt of notification of award, the successful bidder shall sign and date the contract and return it to the Purchaser.</p>
<p><b>ITB Clause 30.1:</b></p> <p>Within 15 days of receipt of notification of award from the Purchaser, the successful bidder shall furnish the performance security in accordance with the Special Conditions of contract, in the</p>	<p><b>ITB Clause 30.1:</b></p> <p>Within <b>20</b> days of receipt of notification of award from the Purchaser, the successful bidder shall furnish the performance security in accordance with the Special Conditions of contract, in the</p>

performance security form provided in the bidding documents or in another form acceptable to the Purchaser.	performance security form provided in the bidding documents or in another form acceptable to the Purchaser.
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### SECTION III - GENERAL CONDITIONS OF CONTRACT

Existing	Amend to read as
<p><b>GCC Clause - 6.1:</b></p> <p>Within 15 days after the Supplier's receipt of notification award of the contract, the Supplier shall furnish performance security to the Purchaser for the amount specified in the Special Condition of Contract.</p>	<p><b>GCC Clause - 6.1:</b></p> <p>Within <b>20</b> days after the Supplier's receipt of notification award of the contract, the Supplier shall furnish performance security to the Purchaser for the amount specified in the Special Condition of Contract.</p>
<p><b>GCC Clause 15.3:</b></p> <p>70% of payment shall be made after the supply and on submission of the invoice/claim by the supplier. Balance 30% will be released after satisfactory commissioning of the machine by sending necessary certificate from the user end to this office.</p>	<p><b>GCC Clause 15.3:</b></p> <p>75% of payment shall be made after the supply and on submission of the invoice/claim by the supplier. Balance <b>25%</b> will be released after satisfactory commissioning of the machine by sending necessary certificate from the user end to this office.</p>
<p><b>GCC Clause 31.1:</b></p> <p>Supplier shall be entirely responsible for all taxes, duties, license fees, octopi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser. However, Sales tax in respect of the transaction between the Purchaser and the Supplier shall be payable extra, if so stipulated in the Notification of Award.</p>	<p><b>GCC Clause 31.1:</b></p> <p>Supplier shall be entirely responsible for all taxes, duties, license fees, <b>octroi</b>, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser. However, GST in respect of the transaction between the Purchaser and the Supplier shall be payable extra, if so stipulated in the Notification of Award.</p>

## SECTION IV - SPECIAL CONDITIONS OF CONTRACT

Existing	Amend to read as
<p><b>SCC Clause - 2.1:</b></p> <p><u>Substitute Clause 6.1 of GCC by the following:</u></p> <p>Within 15 days after the Supplier's receipt of notification award, the Supplier shall furnish performance security to the Purchaser for an amount of 5% of the contract value valid up to 60 days after the date of completion of performance obligations including the warranty obligations. The performance security amount will be retained towards performance security for the guarantee period of 5 years.</p>	<p><b>SCC Clause - 2.1:</b></p> <p><u>Substitute Clause 6.1 of GCC by the following:</u></p> <p>Within <b>20</b> days after the Supplier's receipt of notification award, the Supplier shall furnish performance security to the Purchaser for an amount of 5% of the contract value valid up to 60 days after the date of completion of performance obligations including the warranty obligations. The performance security amount will be retained towards performance security for the guarantee period of 5 years.</p>
<p><b>SCC Clause 10(ii):</b></p> <p>Payment shall be made promptly by the Purchaser. 70% after the supply on submission of the invoice/claim by the supplier and 30% after the commissioning of the machine and handing over of the equipments to the end user against furnishing of installation report, stock entry certificate, technical compliance statement from the end user.</p>	<p><b>SCC Clause 10(ii):</b></p> <p>Payment shall be made promptly by the Purchaser. <b>75%</b> after the supply on submission of the invoice/claim by the supplier and <b>25%</b> after the commissioning of the machine and handing over of the equipments to the end user against furnishing of installation report, stock entry certificate, technical compliance statement from the end user.</p>

## SECTION V - SCHEDULE OF REQUIREMENTS

### SCHEDULE - A

#### I. EQUIPMENTS FOR TOXICOLOGY LABORATORY:

Sch/ Sl. No.	Name of the Equipment	Existing Quantity	Amend to read as
4.	Analytical Balance (4 digit)	1	Removed
5.	Semi Micro Balance	1	Removed
16.	Photographic Microscope	1	Removed
17.	Laminar Bench	1	Removed
18.	Defreezer	1	Removed
19.	Glass double distillation unit	1	Removed

## SECTION VI - TECHNICAL SPECIFICATION

### SCHEDULE - A

#### I. EQUIPMENTS FOR TOXICOLOGY LABORATORY:

Schedule S.No	Name of the Equipment	Existing	Amend to read as
1.	UV - Visible Spectrophotometer	<b>Light Source:</b> 20 W halogen/D2 lamp.	<b>Light Source:</b> 20 W halogen/D2 lamp or equivalent.
2.	Incubator	Double walled inside chamber and shelves made of Aluminium/ Stainless steel. Insulation of 75 mm by mineral wool. Outside mild steel painted in paint coating with perforated/ wire mesh adjustable shelves.  <b>Chamber capacity:</b> Not mentioned in original tender.  <b>Temperature Range:</b> Not mentioned in original tender.	Double walled inside chamber and shelves made of Stainless steel. Insulation of 75 mm by mineral wool. Outside mild steel painted in paint coating with perforated/ Stainless Steel adjustable shelves.  <b>Chamber capacity:</b> 75 L.  <b>Temperature Range:</b> Range from ambient +5°C to 75°C.
4.	Analytical Balance (four digit)	<b>Self Calibration capacity:</b> 0.01mg - 220gm.  <b>Printer:</b> Not mentioned in original tender.	<b>Self Calibration capacity:</b> 0.1mg - 220gm.  <b>Printer:</b> Should be provided.

9.	Refrigrator	Description: Vertical, frost free, CFC free, Single Glass Door, Door with lock and key.	Description: Vertical, frost free, CFC free, four Glass Door, Door with lock and key.
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## II.EQUIPMENTS FOR ANALYTICAL LABORATORY:

Schedule S.No	Name of the Equipment	Existing	Amend to read as
3.	Fully Automated Gas Chromotography Single Quadrupole Mass Spectrometer	<p><b>A(7).</b> Auto sampler with capacity to hold 15 or more vials.</p> <p><b>A(12).</b> Head Space Sampler with minimum 2 vials capacity with Pneumatic control and should have option for priority vials.</p> <p><b>A(14).</b> System should have capability of locking /adjusting the retention times so that same retention time can be reproduced from system to system and the method should be electronically transferred original NIST 2014 or latest library along - with AMDIS/DRS software should be provided and also retention time locked databases with NIST Database.</p>	<p><b>A(7).</b> Auto sampler with capacity to hold 100 or more vials.</p> <p><b>A(12).</b> Head Space Sampler with minimum 40 vials capacity and incubation vials 6 or more with Pneumatic control and should have option for priority vials.</p> <p><b>A(14).</b> System should have capability of locking /adjusting the retention times so that same retention time can be reproduced from system to system and the method should be electronically transferred original NIST 2017 or latest library along -with AMDIS/DRS software should be provided and also retention time locked databases with NIST Database.</p>
		<p><b>B(7).</b> Scan speed up to 10,000u/sec or better.</p> <p><b>B(12).</b> El Sensitivity: Sub picogram sensitivity with full scan (S/N:I000:1 or better) and femotogram sensitivity under SIM mode. Ideal 10 fg of 1 pg OFN for 1 micro litre</p>	<p><b>B(7).</b> Scan speed up to 12,000u/sec or better.</p> <p><b>B(12).</b> El Sensitivity: Sub picogram sensitivity with full scan (S/N:1500:1 or better) and femotogram sensitivity under SIM mode. Ideal 10 fg of 1 pg OFN for 1</p>

		<p>injection for eight times.</p> <p><b>B(13).</b> High Speed scanning: 20 spectra/sec or better.</p> <p><b>C(3).</b> UPS with built-in input and output isolation transformer. Compliant for inductive loads, SMF batteries: minimum one hour backup with full load (UPS suitable for IT/NET work load not acceptable). It should be with 5 years comprehensive warranty to keep system in continuous working condition.</p> <p><b>C(6).</b> System should come with three each of different stationary phase columns for metabolomics applications.</p> <p><b>C(11).</b> The system should be supplied with fully compatible GC-MS metabolomics library.</p>	<p>micro litre injection for eight times.</p> <p>Removed.</p> <p><b>C(3).</b> 10KVA UPS with built-in input and output isolation transformer. Compliant for inductive loads, SMF batteries: minimum one hour backup with full load (UPS suitable for IT/NET work load not acceptable). It should be with 5 years comprehensive warranty to keep system in continuous working condition.</p> <p><b>C(6).</b> System should come with four columns such as DB -1/HP-1 or equivalent, DB-5/HP-5 or equivalent, one column to the analysis of amines and one column to the analysis of acids each of different stationary phase columns for metabolomics applications.</p> <p>Removed.</p>
4.	Atomic Absorption Spectrophotometer	<p><b>11. HOLLOW CATHODE LAMPS:</b></p> <p>Single element coded hollow cathode lamps should be quoted with the system for the elements namely, Lead, cadmium, zinc, arsenic, copper, tin, mercury and nickel.</p>	<p><b>11. HOLLOW CATHODE LAMPS:</b></p> <p>Single element hollow cathode lamps should be quoted with the system for the elements namely, Lead, cadmium, zinc, arsenic, copper, tin, mercury and nickel.</p>

		<p><b>13. GRAPHITE FURNACE:</b> Fully automated constant temperature zone graphite furnace. Dynamic feedback temp. Control, cooling water temp compensation .Up to 20 temp steps per program, Temperature programmable from 40 to 3000 deg C with maximum heating rate up to 2000 deg C/sec. Choice of two Inert gases with programmable flow rate, Solid titanium work-head for maximum corrosion resistance. Quartz windows for high light energy.Comprehensive safety Interlocks for gases, water flow and temp, tube and transformer temperatures.</p> <p><b>16.ACCESSORIES:</b> Graphite Tube 50nos, Air compressor, Nitrous Oxide gas regulator with preheater, Acetylene, Argon Gas cylinders with Double stage regulator, fumehood, suitable online UPS with 30 minutes backup.</p>	<p><b>13. GRAPHITE FURNACE:</b> Fully automated constant temperature zone graphite furnace of 40 vials capacity. Dynamic feedback temp. Control, cooling water temp compensation .Up to 20 temp steps per program, Temperature programmable from 40 to 3000 deg C with maximum heating rate up to 2000 deg C/sec. Choice of two Inert gases with programmable flow rate, Solid titanium work-head for maximum corrosion resistance. Quartz windows for high light energy..Comprehensive safety Interlocks for gases, water flow and temp, tube and transformer temperatures.</p> <p><b>16.ACCESSORIES:</b> Graphite Tube 50nos, Air compressor, Nitrous Oxide gas regulator with preheater, Acetylene, Argon Gas cylinders with Double stage regulator, fumehood, suitable online 5 KVa isolated UPS with 30 minutes backup.</p>
6.	De Frezeer	<ol style="list-style-type: none"> <li>Capacity 165 Ltrs or better, inner working Chamber size 80 x 45 x 45 cm (HXW XD) or better.</li> <li>Continuous Working Temp. Range: from Ambient to - 40°C or lower.</li> <li>Not Mentioned in Original tender.</li> </ol>	<ol style="list-style-type: none"> <li>Capacity 250 Ltrs or better, inner working Chamber size 80 x 45 x 45cm (HXW XD) or better.</li> <li>Continuous working Temp. Range: from Ambient to -80°C.</li> <li>Chart logger and should be equipped with password protection along with suitable stabilizer.</li> </ol>
10.	Refractometer	Brix: 0.00 to 100% (ATC)	Brix: 0.00 to include: 95% (ATC)

### III.EQUIPMENTS FOR MICROBIOLOGY LABORATORY:

Schedule S.No	Name of the Equipment	Existing	Amend to read as
1.	Incubator	<p>Double walled inside chamber and shelves made of Aluminium/ Stainless steel. Insulation of 75 mm by mineral wool. Outside mild steel painted in paint coating with perforated/ wire mesh adjustable shelves.</p> <p><b>Chamber capacity:</b> Not mentioned in original tender.</p> <p><b>Temperature Range:</b> Not mentioned in original tender.</p>	<p>Double walled inside chamber and shelves made of Stainless steel. Insulation of 75 mm by mineral wool. Outside mild steel painted in paint coating with perforated/ Stainless Steel adjustable shelves.</p> <p><b>Chamber capacity:</b> 75 L.</p> <p><b>Temperature Range:</b> Range from ambient +5°C to 75°C.</p>
3.	Analytical Balance (four digit)	<p><b>Self Calibration capacity:</b> 0.01mg - 220gm.</p> <p><b>Printer:</b> Not mentioned in original tender.</p>	<p><b>Self Calibration capacity:</b> 0.1mg - 220gm.</p> <p><b>Printer:</b> Should be provided.</p>
8.	Refrigerator	<p>Description: Vertical, frost free, CFC free, Single Glass Door, Door with lock and key.</p>	<p>Description: Vertical, frost free, CFC free, four Glass Door, Door with lock and key.</p>