

Tender No. : HLL/CRD/PUR/TENDER/2014-15/02

Amendment No .01

30-10-2014

SUB: Amendment in Supply installation and commissioning of various equipments.

TENDER NO. HLL/CRD/PUR/TENDER/2014-15/02

With reference to the above we hereby incorporate the following amendment to the tender documents as detailed below.

Item No 18 clause of Tender Section I- Instruction to bidders is amended as

18. HLL Lifecare Limited, Corporate R & D centre has not registered with Sales Tax Authority, hence don't have Tax Payer's Identification Number (TIN) / CST No. So the sales taxes will be applicable as per the VAT rules / CST rules (without 'C form). For dispatching purpose, Form 16 (as per KVAT rules) will be issued upon request.

Specification of equipment ,Item No 17 is amended as follows

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Sl. No.	Tender No.	Name of the Equipment	URS (User Requirement Specifications)	Qty Required	EMD amount (Rs.)	EMD amount (USD)
17	HLL/CRD/PUR/TENDER/2014-15/02- E17	Ultra Centrifuge (UC)	<p>Ultracentrifuge should achieve best in class sample separation performance and processing capacity, combining high speeds and RCFs with fast acceleration and deceleration rates. It Should accommodate tubes from 0.2 mL to 30 mL with a choice of fixed angle, swinging bucket or vertical rotors. UC should be ideal for working with Virus bacterial cultures, Lipoproteins, Nanoparticles, Nucleic Acids. The supplier should provide a special 10 years non-prorated warranty on the Drive system, and rotors are provided with 5 years Non-prorated warranty with Unlimited Number of Run Cycles.</p> <p>Maximum speed: Up to 150,000 rpm Maximum RCF: 1,000,000 x g or more Acceleration/deceleration: Without sample, it should reach 70-85 seconds/It should be able to come down within 60-80 seconds Speed control accuracy: ± 50 rpm</p> <ul style="list-style-type: none"> • UC should have two appropriate <u>Titanium or Carbon Fiber Fixed Angle Rotors</u> for achieving 150,000 rpm (at least with the maximum volume of 10-16 ml) and 50,000 rpm ((at least with the maximum volume of 150-180 ml) of samples, irrespective of the types of sample • For spinning the sample(s), <u>at least 2 sets of unbreakable, suitable and highly appropriate sample tubes</u> (for achieving 150,000 rpm, capable of holding 10-16 ml) <u>and at least 2 sets of unbreakable sample tubes</u> (for achieving 50,000 rpm; capable of holding 150-180 ml) must be provided along with UC. Tubes should be compatible with the rotors provided. • UC must <u>come along with an appropriate digital weighing balance</u> to determine the accurate weight the sample tubes and to balance of the sample tubes before spin. • Weighing balance should be capable of weighing minimum at least 200 gm with the readability of 0.001 gm, including the pan diameter of at least 4.5 inches. It should have an internal battery, AC power adaptor and weighing units should be g, lb, ct, d, gn. • UC should have the program memory: at least for 15-18 programs • The Refrigeration System of the UC should be 	01	30,000	492.00

			<p>solid-state thermoelectric & the temperature set range should be 0 to + 40° C with an accuracy of + 1° C, should have digital timer & up to 10 micron level of vacuum is required. Hence the machine should have oil rotary vacuum pump with moisture removal function and oil diffusion pump (vacuum of 0.13 pa).</p> <ul style="list-style-type: none"> • UC should work in ambient temperature range of 5 – 35 °C • Noise level should be <46 dBA (measured 1M from instrument) • UC should come with LCD screen or touchscreen along with graphical interface for easy operation [read, select and navigate etc.] • UC should provide individual rotor runs & total run hours, operating histories (at least last 50 runs along with the other parameters), rotor specifications. • Password protection option should be given in a multi user environment • UC should have delayed start/stop provision for step runs, pulse runs • UC should have selecting RPM or RCF mode automatically whenever necessary, There should be a provision for USB port for taking data out • UC should have auto restart control in the event of power failure; also the machine should have imbalance detection, sample imbalance tolerance, over speed detection, over temperature detection, safety door lock. • CE and/or all other instrument standard certificates is/are necessary • Pre installations requirements must be specified • Supplier should provide IQ/OQ after installation • A printed manuals in English should be provided • Compliance statement with proof for specifications of the system should be provided 			
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