

### TECHNICAL SPECIFICATIONS

Schedule of Quantity, Supply, Installation and commissioning of Scientific Equipment at Osmania University for OU-DST-PURSE-II programme  
Concentrator plus centrifugal vacuum concentrator/Speed Vac (one number)  
Tender Notification No. 86/Maj-E/Co-ord/OU-DST-PURSE-II/2018, Dated: 31.12.2018

Previous Technical Specifications of Speed Vac	Corrigendum/ Modification of Technical Specifications of Speed Vac
<p><b>TECHNICAL SPECIFICATIONS FOR SPEED VAC:</b></p> <p><b>1. Complete system with an integrated service-free diaphragm pump with digital display</b></p> <ul style="list-style-type: none"><li>i. Table top and fully automated model</li><li>ii. Chemical resistant (PTFE/Teflon) diaphragm pump</li><li>iii. Chemical resistant stain free steel chamber</li><li>iv. Sound proof</li><li>v. Applications modes : Aqueous, Alcoholic</li><li>vi. Freeze drying with cold trap (upto – 80°C)</li><li>vii. Heating levels (upto 45°C)</li><li>viii. Centrifugation ( high speed 4000g/20000rpm) and desiccators function</li><li>ix. Imbalance stop</li></ul> <p><b>2. Accessories:</b></p> <ul style="list-style-type: none"><li>i. PCR plates up to 2×96; 0.2ml PCR tubes and tube strips (each 100 No's) <b>with suitable rotor.</b></li><li>ii. Tubes: 48×2.0ml, 11×47; 8×15ml Falcon tubes, 17× 116 × 123 (each 100 No's) <b>with suitable rotor.</b></li><li>iii. Rotor spacer</li><li>iv. Adaptors for tubes</li><li>v. Work trays for PCR tubes and plates with frame (2 No's)</li></ul> <p><b>Terms: Validity of tender quote: 120 days; Warranty: Three Year warranty.</b></p>	<p style="text-align: center;"><b><u>TECHNICAL SPECIFICATIONS FOR SPEED VAC</u></b></p> <p><b>1. Complete package system/ with vacuum concentrator/ oil based vacuum pump for drying biological (protein &amp; DNA samples) and non-biological samples</b></p> <ul style="list-style-type: none"><li>i. Table top and fully automated model</li><li>ii. <b>With start/stop functions, timer and pressure regulation (20mBar)</b></li><li>ii. Chemical resistant stain free steel chamber</li><li>iv. Sound proof</li><li>v. Applications modes (aqueous, alcoholic samples)</li><li>vi. <b>Low temperature (4°C) concentrating or drying Facilities</b></li><li>vii. Heating levels (upto 60°C).</li><li>viii. Centrifugation (1500- 2000rpm) and desiccators function.</li><li>ix. Imbalance stop</li><li>x. <b>Capacity range for sample concentration/drying: 0.5mL 1.5ml, 2.0mL, 15ml &amp; 50ml volume of samples along with Suitable rotors</b></li></ul> <p><b>2. Accessories:</b></p> <ul style="list-style-type: none"><li>i. <b>PCR plates, 0.2ml PCR tubes and tube strips</b></li><li>ii. <b>Eppendorf tubes : 0.5, 1.5 &amp; 2.0ml, Falcon tubes:15ml &amp; 50mL</b></li><li>iii. <b>Work trays, for PCR tubes and plates with frame (2nos)</b></li></ul> <p><b>Terms: Validity of tender quote: 120 days; Warranty: Three Year warranty.</b></p>