

Sr. No.	Description	Qty
1.	<p data-bbox="321 201 1195 233"><b><u>Gas Chromatograph Mass Spectrometer (GC-MS) with accessories</u></b></p> <p data-bbox="321 239 440 270"><b>Purpose:</b></p> <ul data-bbox="370 277 1214 428" style="list-style-type: none"> <li>• Gas Chromatograph Mass Spectrometer (GC-MS) will be used for organic traces present in material under investigation.</li> <li>• For measurement of persistent organic pollutants, volatile in diverse analytes.</li> </ul> <p data-bbox="321 434 630 466"><b><u>Required Specification:</u></b></p> <ul data-bbox="370 472 1230 1787" style="list-style-type: none"> <li>• GC-MS instrument with windows based licensed software.</li> <li>• EFC or electronic pneumatic controls for injector and detector modules.</li> <li>• <b>Temperature Programed Colum oven:</b> from ambient to 450°C, Injector part for capillary column.</li> <li>• <b>PTV Injector:</b> Both split and splitless mode.</li> <li>• <b>One MS capillary Column:</b> 30m Length, 0.25mm ID, 0.25 um thickness, Equivalent to DB-5.</li> <li>• <b>Quadruple MS System</b></li> <li>• <b>Mass range:</b> m/z 1-1000 amu or more.</li> <li>• <b>Scan Rate:</b> &gt;20,000 amu/sec.</li> <li>• <b>Ionization mode:</b> EI</li> <li>• <b>Performance Specification</b> to be demonstrated during installation: EI full scan sensitivity -1pg, instrument direction limited: 10fg.</li> <li>• Electron energy up to 200 eV.</li> <li>• Single turbo –molecular pump.</li> <li>• <b>MS data collection:</b> full scan, selected ion monitoring SIM, Simultaneous full scan selected ion monitoring SIFI.</li> <li>• GC-MS sensitivity test mixture.</li> <li>• GC-MS startup Kit.</li> <li>• MS windows based original licensed software with branded Dell Desktop PC and printer.</li> <li>• Mass Spectral libraries NIST (latest Version).</li> <li>• A dual stage gas regulator.</li> <li>• <b>Consumables:</b> Relevant Nuts, Ferrules, tubing, column cutter, injector glass liners, O-ring, EI filaments, vials, syringe, septa for injector, MS tool kit, GC tool kit.</li> <li>• Manuals in English Language.</li> <li>• Installation by Factory engineers.</li> <li>• Free one year post installation repair and maintenances services</li> <li>• Warranty: One Year</li> </ul> <p data-bbox="321 1793 1192 1860"><b>Note:</b> Other necessary accessories/ Part/ module/unit may also be mentioned with separate prices.</p>	01 No