

Name of the High end Equipment - GCMSMS

Name of the Supplier - Toshvin Analytical Pvt. Ltd

GCMS-MS TQ8040 OR TQ-8040 NX

S.No.	Main Heads/Components	Remarks, if Any
1	GC System	
1.1	Column oven	Included in serial No.1
1.2	Column	Included in serial no.1
1.3	Inlet	Included in serial no.1
1.4	Auto Sampler	Included in serial no.1
1.5	Backflush	Included in serial no.1
2	MS/MS System	Included in serial no.1
3	Nitrogen evaporator	Included in serial no.1
4	System Controller and Operating system	Included in serial no.1
5	Pc with Printer	Included in serial no.1
6	Start up Kit	Included in serial no.1
7	Sample Preparation kits	QuEChERs Kits (1000 nos each) for pesticides in following matrices: Water, High fat containing foods, High water content Foods, highly pigmented foods
8	Calibration Standards (with a minimum expiry period of two years)	<p>Pesticide Standards with a minimum expiry period of one years to be supplied for 7 years a.</p> <p>Organo Chloro Pesticides mix in hexane/acetonitrile 2x 1 ml (100 µg/mL of each pesticide)</p> <p>b. Organo Phosphorous Pesticides in hexane/acetonitrile 2x1 ml (100 µg/mL)</p> <p>c. Pyrethroids in hexane/acetonitrile 2x1ml (100 µg/mL)</p> <p>d. Herbicides Glyphosate, Glufosinate 2x1ml (100 µg/mL)</p> <p>e. Must cover the range of pesticides as enclosed in Annexure A</p>

9	Accessories and Consumables	<p>Sample injector :</p> <ul style="list-style-type: none"> ☑ For liquid injection (5 no. each) ☑ For HS syringe (5 no. each) ☑ Air tight syringe (for manual injection) (2 no. each) ☑ Manual syringe for liquid injector (2 no. each) • Auto sampler vials: 500 vials with screw cap. ☑ Vials with cap for 1.5 ml capacity (100 No.). ☑ Vials with cap for 10 and 20 ml capacity (each 50 No.). • Column Ferrules- injector end and interface end (20 No. each). • Septa for injector (100 No.). • Appropriate nuts to fit capillary columns to the injector and MS interface (10 each). • Inlet liner for Splitless, Split (with glass/quartz wool at optimum position) and PTV (with glass/quartz wool at optimum position) (10 No. each) • O-ring for injector liner (20 No.) • Split vent trap (2 No.) • EI Filaments (5 No.) • CI Filaments (5 No.) • Column cutter (2 No.) • Gas tube cutter. • Oil mist trap for pump (2 No.). • Tool kit. <p>Optional: Any other accessory as felt required for the proper functioning of the equipment</p>
10	Power Supply	(UPS min. 10 KVA with minimum 60 minutes backup)
11	Additional items (Consumables for 1000 Samples)	<p>Consumables for seven years operation of the system for main unit are required to be quoted for analysis in multiples of 100 samples.</p> <ul style="list-style-type: none"> • Operation kit comprising all required items for startup/regular operation of instrument. • Firm should also quote all essential pre-installation requirements and utility requirement for GC-MS/MS. • Operation and maintenance manual for each unit in both hard copy and soft copy. • Service manual with set of required tools for each system/unit. • The system should have Server connectivity and should be capable of 21 CFR Part 11 and food safety compliance. The necessary validations will have to be carried out by the equipment suppliers. • Methods library for all food matrixes, related software's and user manuals to be provided. <p>PLEASE PROVIDE MAINTENANCE CHART FOR ALL OF THE COMPONENTS IN GC-MS/MS SYSTEM.</p>
12	Operation and maintenance & Training Component	(Site comprehensive training for operator at onsite and at Supplier's premises) One trained person for 7 years
13	IQ/OQ/PQ	Included in serial no.1
14	Warranty	