

Addendum 01**Tender No. 2022-23/02****Equipment Bid No: GEM/2022/B/2266648 – GC-MS with Pyrolyzer and Headspace**

Sl.No.	Specification	Range / Value	Revised Specification
1	Gas Chromatograph system	Instrument detection limit should be ≤ 10 fg OFN for Statistically derived at 99 % confidence level from the area precision of 8 sequential splitless injections of 10 fg OFN standard. MS/MS transition of m/z 272 & 222 using 30m long column	Instrument detection limit should be ≤ 10 fg OFN for Statistically derived at 99 % confidence level from the area precision of 8 sequential splitless injections of 10 fg OFN standard. MS Ions of m/z 272 and/or 222 using 30m long column
2	Provision	The system should have post-column backflush capabilities using Advanced flow technology to eliminate long bake-out times for highly retained (or high-boiling) contaminants.	The system should have capabilities using Advanced flow technology to eliminate long bake-out times for highly retained (or high-boiling) contaminants.
3	Injection system	Pressure balanced system also along with loop based system	Pressure balanced system/valve & loop based system
4	Head space vial	Vial capacity 12 or more and upgradable to more vial capacity	Vial capacity 12 or more with vial shaking and upgradable to vial capacity
5	Control	Should be provide with control software	Should be provide with control software along with Library for polymer additives/Polymer base materials etc.
6	Auto sampler	An automatic injector device having a capacity to hold at least 15 vials capacity and more and should be field upgradable to 150 vial capacity. Provision for inject both injectors without dismantling hardware or any manual alignment.	An Auto Sampler device having a capacity to hold 100 vials or equivalent capacity or more. Provision for injecting into both injectors from software without dismantling hardware or any manual alignment.
7	Resolution	Selectable, 0.7 to 2.5 Daltons	Selectable, 0.7 to 2.0 Daltons or better