**Annex 2**

**TECHNICAL SPECIFICATION**

In accordance with the tender requirements, Sciglob confirms that the Pandora 2S (2 Spectrometers) system is fully compatible with the technical specifications as requested in this tender. Please note that sensor and Tracker can operates at temperatures as low as -30 °C, however the PC and temperature controller should be set indoors with temperature above freezing.

* spectrometer system for direct sun, sky radiance and direct moon measurements
* measurements at multiple wavelengths, using 2 filter wheels to calculate the columnal concentrations of ozone, concentrations of trace gases and aerosol optical thickness
* two dedicated spectrometers, for UV/VIS and VIS/NIR measurements
* spectral resolution at least 0.6 nm at UV/VIS, and at least 1.2 nm at VIS/NIR spectrum
* spectral range at least from 290 to 900 nm
* measured variables: ozone, NO2, HCHO, SO2, H2O, AOT
* spectrometers in temperature control housing
* dual axis sun tracker with pointing accuracy at least 0.1°
* full azimuth range (360°)
* elevation range from -10° to +90°
* field of view 1.6 ± 0.1°
* operating temperatures at least from -30 °C to +50 °C
* dedicated computer with operational software
* fiber patchcord at least 10 m long