

Revised specification in Limited Tender for Purchase of Equipments under DST-SERB Project

Department: Chemical Department

Enquiry No: NITRR/Central Store/CH/DST-SERB/LT/2017/696 Date: 16/06/2017

The changes are highlighted by keeping bold and blue color

1. BOD Analyzer

01 Qty.

BOD Analyzer

Direct digital BOD Analyzer complete package, ready for use, for 6 measuring places, with IS 6 Inductive Stirring System, for mains operation **230 V, 50/60 Hz and 6 measuring systems**, including 6 sample bottles, 6 rubber sleeves, 6 stirrer bars and other accessories

Each package contains:

- 1 Stirrer platform IS 6 with plug-in mains power supply
- 1 REF 600 Stirrer bar remover
- 1 NHP 600 NaOH pellets
- 1 NTH 600 Nitrification inhibitor
- 1 MK164/600 Overflow flask 164 ml
- 1 MK432/600 Overflow flask 432 ml
- 1 Dia/600 Chart paper block

Technical Data	Specifications
Measuring Principle	Manometric with pressure sensor / Respirometric
Parameter	BOD _n
Measuring Range	0 – 4000 mg/l (directly without any dilution)
Display Range	0 – 50 digits
Display Accuracy	± 1 digit
Maximum sample load	Max 6 samples simultaneously (infinite times)
Power	2 x CR 2430 Batteries, apprx. life 2 years (per head)
Warranty	1 year from installation

Necessary accessories/arrangement need to be done by supplier to keep the instrument in BOD incubator including power to run instrument inside the BOD incubator. We have BOD incubator without socket inside the incubator.

2. UV Visible Spectrophotometer

01 Qty.

Measuring Technology	Spectrophotometer with reference beam technology
Wavelength range	190- 1100nm
Lamp type	Xenon flash lamp
Ambient light protection	Measurement with open shaft
Spectral bandwidth	4.0 nm
Smart Screen Display	Resistive touch screen, P-cap glass touch screen

Live ID System	2-D Barcode recognition for cell tests and reagent test. Barcode contains lot, expiry, and calibration data. Data stored with each measurement
Cell size	16 mm round cells, 10, 20 and 50cells with automatic recognition
Cell holder	Removable for easy cleaning
Methods	Programmed methods reagent tests, 99 user defined methods, 20 profiles for kinetics and absorbance scans each
Applications	Free pre-programmed applications: Bromate, Brewery packages (MEBAKIEBC methods), Sugar (ICUMSA), Oil (DOB!, olive oil)
AQA Prime	Individual settings for all methods in AQA 1 (instrument check) and AQA 2 mode (system check) and pipette check
Sample matrix check	Easy access through setting menu to perform instrument supported matrix check for each method
Software updates	Free method updates
Languages	English
Communication interfaces	USB: 2 x USB-A (for printer, USB memory devices, keyboard or barcode reader), 1 x USB-B; Ethernet: LAN connection