Government College of Engineering Karad

(An Autonomous Institute of Govt. of Maharashtra)

Corrigendum in tender for Specifications of Optical Emission Spectroscopy Machine

Date: 12/02/2018

Subject: Revised specification of Optical Emission Spectroscopy Machine

Bid Reference No.: CEK/MED/OPTICAL EMISSION SPECTROMETRY MACHINE/2017-18

Institute has already released tender regarding procurement of Optical Emission Spectroscopy Machine, dt: 02/02/2018. Department of Mechanical Engineering would like to revise few specifications as given in following tables.

SECTION VI: TECHNICAL SPECIFICATIONS

Features/Components	Specifications
Applications- Qualitative and Quantitative Analysis for major alloying elements as mentioned below Carbon, Nickel, Manganese, Chromium, Tungsten, Molybdenum, Vanadium, Aluminum, Copper, Phosphorous, Sulfur, etc.	➢ Ferrous- Alloy steels, Alloy cast irons. ➢ Non-ferrous- Aluminum alloys, Copper alloys
Optical System	➢ Full spectrum coverage- 160 nm or greater than 160 nm
Source Generator	➢ Frequency- 50 Hz to 1000 Hz
Spark stand	➢ Argon consumption- 2.00 l/min.
Data processing and read out system	➢ Computer configuration -Windows 8.1 Pro, Processor i5, RAM – 4 GB, 64 bit operating system ➢ Software- Desirable- Intuitive Windows based software for simple routine
Electrical data	➢ 100 V to 240 V (50/60 Hz)
Colour Printer	By branded company
Standard specimens	
Specimen preparation machine	
As OES machine should perform its function properly, manufacturer should add any features/components/sub machines which are necessary for smooth working of machine, in their tender doc.	

Head of the Department
Department of Mechanical Engineering

To,

The system analyst, for uploading on institute website