**ANNEXURE - 2**

ENQUIRY NO : CeNS/2016-17/SA/F07

**Technical specification for Mass Flow Controllers (MFC) with Multi Drop Box with Communication, Software, Power Supply and Cables:-**

1) Gas: Ar – 2 nos.

Mass Flow Controller with Standard Display

Flow Range: 0-2000 SCCM

Primary 0-5 Vdc Mass output,

Set Point 0-5 Vdc Input

MOC: SS302

Seal:Viton

NIST Traceable Calibration Certificate

**Primary Gas: Argon (Multi Gas Calibration)**

2) Gas: N2 – 2 nos.

Mass Flow Controller with Standard Display

Flow Range: 0-2000 SCCM

Primary 0-5 Vdc Mass output,

Set Point 0-5 Vdc Input

MOC: SS302

Seal:Viton

NIST Traceable Calibration Certificate

**Primary Gas: Nitrogen (Multi Gas Calibration)**

3) Gas: O2 – 1 no.

Mass Flow Controller with Standard Display

Flow Range: 0-2000 SCCM

Primary 0-5 Vdc Mass output,

Set Point 0-5 Vdc Input

MOC: SS302

Seal:Viton

NIST Traceable Calibration Certificate

**Primary Gas: Oxygen (Multi Gas Calibration)**

4) Gas: CO– 1 no.

Mass Flow Controller with Standard Display

Flow Range: 0-2000 SCCM

Primary 0-5 Vdc Mass output,

Set Point 0-5 Vdc Input

MOC: SS302

Seal:Viton

NIST Traceable Calibration Certificate

**Primary Gas: Carbon Monoxide (Multi Gas Calibration)**

5) Gas: H2 – 1 no.

Mass Flow Controller with Standard Display

Flow Range: 0-2000 SCCM

Primary 0-5 Vdc Mass output,

Set Point 0-5 Vdc Input

MOC: SS302

Seal:Viton

NIST Traceable Calibration Certificate

**Primary Gas: Hydrogen (Multi Gas Calibration)**

6) Gas: CH4 – 1 no.

Mass Flow Controller with Standard Display

Flow Range: 0-2000 SCCM

Primary 0-5 Vdc Mass output,

Set Point 0-5 Vdc Input

MOC: SS302

Seal:Viton

NIST Traceable Calibration Certificate

**Primary Gas: Methane (Multi Gas Calibration)**

7) Gas: NH3 – 1 no.

**Corrosive Series** Mass Flow Controller with Standard Display

Flow Range: 0-2000 SCCM

Primary 0-5 Vdc Mass output,

Set Point 0-5 Vdc Input

MOC: SS316L

Seal: FFKM, NIST Traceable

NIST Traceable Calibration Certificate

**Primary Gas: Ammonia**

8) Gas: NO – 1 no.

**Corrosive Series** Mass Flow Controller with Standard Display

Flow Range: 0-2000 SCCM

Primary 0-5 Vdc Mass output,

Set Point 0-5 Vdc Input

MOC: SS316L

Seal: FFKM, NIST Traceable

NIST Traceable Calibration Certificate

**Primary Gas: Nitric Oxide**

**9) BB9-232 : Multi Drop Box, for Communication – 1No.**

**10) DC-62 : Communication Cables, 6 ft. – 10 No.**

**11) Gas Mixing Software, Windows Based**

**12) PH24VHC : Power Supply, 24 Vdc-6.5 A – 1No.**