

YOGI VEMANA UNIVERSITY

Vemanapuram, Kadapa – 516003, A.P., INDIA.

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To

The firms

Sir,

Sub: Yogi Vemana University College- ISRO Project-Department of Chemistry-Purchase of Equipment (GLOVE BOX)- Quotation-Requested-Reg.

You are requested to send your lowest quotation in duplicate towards the supply of Equipment (GLOVE BOX), (specifications mentioned below) along with your terms and conditions, in the name of Registrar, Yogi Vemana University, and Kadapa. So to reach **The Registrar, Yogi Vemana University, Vemanapuram, Kadapa-516003** on or before: **15.12.2014**.

Details:

1. Glove Box

Required Specifications

No of Gloves: one pair

Stainless Steel 304 with Epoxy powder Coating Finish of Glove Box main Working Chamber. The chamber should be provided with a Antee/Mini – pass chamber to enable transfer if necessary samples into the main chamber.

Both the main chamber and antee chamber can be purged with inert gas like Nitrogen etc. for having a inert working atmosphere inside the Glove Box chamber. The gas from a Cylinder is connected to the Gas inlet below the Moisture Silica Gel Filter.

The Glove Box chamber should have a front window for clear observation of the inner chamber.

Transparent Acrylic window is required on both sides, which is made of **Black Neoprene Rubber of 30Mil, Size: 6:cuffx30” L or 8” cuff x 32” L**

The Chamber should be illuminated by tube light provided in the front top side for a clear bright view of the inner chamber.

The main chamber should provide with a vacuum port, Gas purging port and gas inlet port with suitable valves arrangement. The vacuum port will used to vacuumized the chamber to remove the air / Atmosphere / Moisture vapours from the chamber. The Chamber under – Ve pressure can be now purged with any inert Gas like Nitrogen etc. to have a working inert atmosphere inside.

This will neutralize the – ve pressure and make the chamber slightly above atmosphere pressure. A Dial Gauge is provided to indicate the vacuum and pressure. The same process can be performed for the Antee Chamber.

The Glove Box is not meant to be operated under high Vacuum or High Pressure.

A Suitable Vacuum Pump of required capacity will be provided with in-built and fitting with Vacuum Hose connection. A timer should be provided which will cut – off the vacuum system at safety level.

A Control Panel with the indicating lamp, MCB, Switches, Timer and other Control and indicating instrument will be provided on the right side of the Glove Box.

Yours faithfully

Sd/-

(Dr. K.S.V. Krishna Rao)