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PIR:RPC12028HWW1 -01  
MC: ZZPC00113018

**PRODUCT PURCHASE SPECIFICATION**

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SUPERSEDES

**1.0 NAME OF EQUIPMENT : Soil CO<sub>2</sub> Exchange System**

**2.0 GENERAL:** Automatic Soil CO<sub>2</sub> exchange system for Soil respiration measurement, Soil Temperature, PAR (Photosynthetically Active Radiation). Instrument should have In-built infra-red gas analyzer close to Soil Chamber for fast measurements. System should have digital display with automatic recording facility. Soil Chamber should open and close automatically between measurements in the field. System should be programmable for un-attended use.

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**3.0 SPECIFICATION OF EQUIPMENT :**


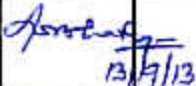
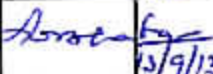
**3.1 The should have following specification :**

- Measurement of CO<sub>2</sub> : Infra-Red Gas Analyzer with CO<sub>2</sub> Range 0- 850 ppm or more.
- Resolution : 0.05 to 0.1 mmols/m<sup>3</sup>
- PAR : 0-3000 μmols/m<sup>2</sup>/s<sup>1</sup>
- Display : Large LCD Display
- Data Storage : 1GB or more Removable Flash Cards for easy Data Transfer.
- Power Supply : 12V 7 Ah provides at least 24 hours continuous use.
- Data Output : 1) Compact Flash Card 2) RS232 Cable
- Chamber Volume : 1.0 to 2.0 L (Open system)

**3.2 Complete System should be supplied with Soil CO<sub>2</sub> Exchange System with PAR Sensor, Instruction Manual, Chemicals, Soil Collar (2 No) and Collar Insertion Pad. 1GB Flash Card, Heavy duty Protective Box, Soil Temperature Probe (2 No)**

SIGN & DATE

			NAME	SIGNATURE & DATE
			TRANSLATED BY	
			WORKED BY	Dr. S. Bhatnagar 15/9/13
			CHECKED BY	Dr. S. Bhatnagar 15/9/13
AGREED DEPT	NAME	DATE & SIGNATURE	SUPERVISED BY	Dr. N.G.Shrivastava 15/9/13
			APPROVED :	Dr. N.G.Shrivastava 13/9/13
REV.NO.	01		PREPARED :	ISSUED :
DI.	13.09.2013			DATE :13.09.2013

*IGN & DATE		PIR:RPC12028HWW1-01 MC: ZZPC00113018					
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SUPERSIDES INVENTORY NO	<p>3.3. Essential Scope of supply for the offered model should be clearly given in the Offer.</p> <p>3.4. Dust Cover/ carry bag should be provided.</p> <p>3.5. Catalogue: Printed Catalogue must be provided along with the offer for the equipment Offered.</p> <p><b>4.0 General Terms &amp; Conditions</b></p> <p>4.1 <b>Document:</b> One hard copy of O&amp;M manual in English language giving complete technical information for operation and maintenance of the equipment including circuit diagram shall be supplied.</p> <p>4.2 <b>Installation and Commissioning:</b> The supplier shall install &amp; commission the Equipment at PCRI, BHEL, Hardwar and demonstrate the performance of the Equipment.</p> <p>4.3 <b>Training:</b> Supplier shall give necessary training to user at the time of installation &amp; commissioning.</p> <p>4.4 The equipment will work on 230 VAC, 50 Hz single phase supply.</p> <p>4.5 <b>Guarantee:</b> The equipment shall be guaranteed for satisfactory performance for a period of 12 months from the date of commissioning or 18 months from the date of dispatch whichever is earlier. In case of any breakdown during this time period, the guarantee period will get extended accordingly.</p> <p>4.6 Party should quote accessories on an optional basis.</p>						
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INVENTORY NO.	REV.NO.	01 dt. 13.09.2013	WORKED BY	Dr. S. Bhatnagar	 13/9/13		
			Checked By	Dr. S. Bhatnagar	 13/9/13		