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## Corrigendum - I for Rfx No. 6100000113 - Wireless Centrifuge Data Acquisition System (WCDAS)

| Sr. No. | Online Rfx Clause and Technical Specification | Previous Clause | Changed Clause |
|---|---|---|---|
| 1 | Annexure-1 Sr. No. 2 : Note | The data Acquisition units, should Transmit Data Wirelessly to another Access point, which is placed in the Room above the Centrifuge. This Ethernet Gateway should be connected to the Computer panel placed in the instrumentation room, through suitable wiring. | The data Acquisition units, should **Transmit Data Wirelessly as well as through slip rings upon wiring to another Access point**, which is placed in the Floor above the Centrifuge Chamber. This Ethernet Gateway/wired system should be connected to the Computer panel placed in the instrumentation room, through suitable wiring. |
| 2 | **Annexure-1** **Sr. No. 3 : Application Software Requirements, a new clause (a) and (b) is added as follows :** a)The software must be capable of providing the acquired data from WCDAS (**both wireless and wired connections**) at various sampling rates, with a minimum of 1 sample/sec and maximum as per hardware specifications. The software should at least support following requirements for data acquisition during centrifuge tests: **Very Very Slow Test**(t = 1200 min): 1 Sample/300 sec to 1 Sample/60 sec **Very Slow Test** (t = 180 min): 1 Sample/sec to 10 Samples/sec **Slow Test** (t = 60 min): 10 Samples/sec to 100 Samples/sec **Medium Test** (t = 15 min): 100 Samples/sec to 2500 Samples/sec **Fast** (t = 5 min): 2500 Samples/sec to 10,000 Samples/sec **Very Fast** (t = 1 min): 10,000 Samples/s to 50,000 Samples/sec where, t is approximate time span to acquire data (during centrifuge test) b) The software and hardware must be capable of **acquiring noise free data from transducers** during centrifuge tests and shall have **appropriate filters** for eliminating noise completely. This is very much required to have quality data measurements. <u>Note:</u> **It should be possible to select the options individually for each channel.** | | |
| 3 | **Annexure-1** **Sr. No. 5 : Data Display, Processing Units and Cabinets** | • The data will be connected and displayed on a set of **three** PC systems. All systems will be i7 and with a minimum of 500 GB HDD. The systems should be running a licensed version of the Windows Operating System. • One Screen, upwards of | • The data will be connected and displayed on a set of **Two** PC systems (It includes Widescreen Ultrasharp LED Backlit Computer **Monitor and CPU with minimum 32 GB RAM**). All systems will be i7 and with a minimum of 1 TB HDD x 2 (Dual hard disk) or better. The PC system shall have screen display upwards of 24 inches. The systems should be |

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| | | 20 inches, will be used to Display, Control and Store the Video Data and the suitable Computing System required for the purpose will be provided in the scope of the Project.<br>• Another display, also upwards of 20 inches, with the Processing Unit, will be used to display process, and store the signal data from the unit under test from the data acquisition system.<br>• A third system will be provided to control the data generation aspects of the units.<br>• The units will be placed in a control panel in the Instrumentation room at the Facility.<br>Fourth screen with a display switch will be provided to broadcast the View from either of the two Computer Systems. This screen will be wall mounted and will be of a size upwards of 35 inches | running a licensed version of the Windows Operating System.<br>• The PC systems will be placed in the Instrumentation room at the Facility adjacent to Centrifuge chamber.<br>• The PC systems shall have capability of playing high resolution videos acquired during centrifuge tests. | |
| 4 | **Annexure-1 Sr. No. 7 : Maintenance and service support of system during and after the warranty period** | Warranty should be for at least three years (3 years) after System Acceptance by IIT Bombay. | Warranty of WCDAS system (wireless and wired connection option) should be for at least three years (3 years) after System Acceptance by IIT Bombay. **Any physical damage during the model testing at specified high gravities shall be covered under the warranty only.** | |
| 5 | **Period of Work/Delivery Period (in Days)** | 30 days | **120 days from the date of issue of Purchase Order.** | |
| 6 | **Bid submission End Date/Date & Time of Submission (Online Rfx Clause)** | 26.04.2019 at 13:00 | **07.05.2019 at 13:00** | |
| 7 | **Bid Opening Date & Time (Online Rfx Clause)** | 26.04.2019 at 15:00 | **07.05.2019 at 15:00** | |

**Joint Registrar (MM)**