



सीएसआईआर - केन्द्रीय काँच एवं सिरामिक अनुसंधान संस्थान

196, राजा एस सी मुल्लिक रोड, कोलकाता - 700 032, भारत

CSIR - CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE

196, Raja S C Mullick Road, Kolkata - 700 032, India



## CORRIGENDUM

REFERENCE NO. : - P/NC/61/DK/SO/OTE/24-25

DATE: 05/11/2024

NAME OF EQUIPMENT: "SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF PXI EXPRESS BASED DATA ACQUISITION SYSTEM" [CPPP PORTAL TENDER ID: 2024\_CSIR\_209156\_1].

NOTE: The Bids must be submitted in the Central Public Procurement Portal (URL: <https://etenders.gov.in/e procure/app>) only. Manual/Offline bids shall not be accepted under any circumstances. Bidders should quote in INR only.

CONSEQUENT TO THE PRE-BID MEETING HELD ON 03/10/2024, THE REVISED TECHNICAL SPECIFICATION IS ATTACHED IN ANNEXURE- I GIVEN BELOW:-

All other Tender terms and conditions remain unchanged.

  
(Bodhisattwa Dhar)  
Stores & Purchase Officer

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## ANNEXURE I

### PXI Express based Data Acquisition System

#### Technical Specifications:

Sl. No:	Description	Quantity
1	<b>3U PXI Express Chassis providing:</b> <ul style="list-style-type: none"> <li>• <math>\geq 4</math>-Slots</li> <li>• high-bandwidth backplane supporting data rate upto <math>\geq 3\text{GB/s}</math></li> <li>• Power input <math>230\text{VAC} \pm 5\%</math>, 50 Hz</li> <li>• Chassis should generate all other voltages required for the cards</li> </ul>	1 No.
2	<b>PXI Controller Card:</b> Embedded controller card compatible with PXI express systems and chassis with following specification requirement: <ul style="list-style-type: none"> <li>• CPU Cores <math>\geq 4</math></li> <li>• CPU Clock Frequency <math>\geq 2.7\text{ GHz}</math></li> <li>• Integrated memory <math>\geq 16\text{ GB DDR4}</math></li> <li>• Integrated solid state data storage <math>\geq 512\text{ GB}</math></li> <li>• minimum port configuration of two <math>10/100/1000\text{BASE-TX}</math> (Gigabit) Ethernet ports, two USB 3.0 ports, four USB 2.0 ports, two Thunderbolt 3 ports</li> <li>• supporting Windows 10 IoT Enterprise.</li> </ul>	1 No.
3	<b>PXI Data Acquisition card:</b> Data acquisition/ Oscilloscope card compatible with PXI express systems with the following specification requirement: <ul style="list-style-type: none"> <li>• <math>\geq 8</math> channel simultaneous acquisition (channel to channel time skew <math>\leq 600\text{ pS}</math>)</li> <li>• sampling rate upto a <math>\geq 60\text{ MHz}</math> per channel</li> <li>• <math>\geq 12</math> bit resolution</li> <li>• Independent channel selectable <math>50\text{ ohm}</math> or <math>1\text{ Mohm}</math> input impedance</li> <li>• Minimum <math>512\text{ MB}</math> on board memory</li> <li>• compatible for <math>\pm 10\text{V}</math> analog input signal</li> <li>• suitable for input through BNC cables</li> </ul>	1 No.
4	<b>Software Support in the system:</b> <ul style="list-style-type: none"> <li>• The PXI system will be used to process the acquired data using LabView/ Visual C# / Python. Therefore, all drivers and GUI software along with source code should be provided and demonstrated.</li> <li>• Provision for further development of software using these codes as 'black box' should be provided. Therefore, example programs along with source code should be provided.</li> <li>• The validity of LabView/ Visual C# / Python software should be perpetual.</li> </ul>	1 No.
5	<b>Power Supply available at purchaser's site:</b> <ul style="list-style-type: none"> <li>• Three phase with neutral <math>400\text{V} \pm 5\%</math>, 50 Hz</li> <li>• Single phase <math>230\text{V} \pm 5\%</math>, 50 Hz</li> </ul>	
6	<b>Installation and Commissioning:</b>	

	<ul style="list-style-type: none"> <li>• Installation and Commissioning required at CGCRI Kolkata</li> <li>• Space for installation is of a typical desktop computer</li> <li>• VGA monitor, USB Keyboard and mouse will be supplied by CGCRI. However, all other necessary interfaces and accessories should be included in the offer by the bidders.</li> </ul>	
7	<b>Training:</b> <ul style="list-style-type: none"> <li>• Training for two CGCRI personnel in in-person mode for minimum 1 day should be provided at CSIR CGCRI premises.</li> <li>• All user manuals should be provided along with the item.</li> </ul>	
8	<b>Acceptance and demonstration:</b> <ul style="list-style-type: none"> <li>• The equipment should be satisfactorily demonstrated at the customer site.</li> </ul>	
9	<b>Warranty <math>\geq</math> 2 years</b> <ul style="list-style-type: none"> <li>• Remote technical online support should be provided for the entire warranty period.</li> </ul>	
10	<b>Utilities:</b> <ul style="list-style-type: none"> <li>• Utility requirements for successful installation &amp; commissioning like power, space, installation environment, plan layout, etc. should be provided in the bid.</li> </ul>	