



राष्ट्रीय प्रौद्योगिकी संस्थान दुर्गापुर NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

MAHATMA GANDHI AVENUE, DURGAPUR-713209

West Bengal, INDIA, www.nitdgp.ac.in

(An Autonomous Institution of the Govt. of India under MoE)

[An Autonomous Institution of the Govt. of India under Ministry of Education \(Shiksha Mantralaya\)](#)

Notice No.: NITD/PAC/Twin Rotor MIMO System/2023-24/05

Date: 21/02/2024

Sub: - Notice Inviting Objections/Comments on Procurement of Twin Rotor MIMO System for Department of Electrical Engineering, NIT Durgapur.

1. A request has been received from Dr. JAYATI DEY, Associate Professor, Electrical Engineering Department, NIT Durgapur for procurement of PSIM Perpetual License Under Proprietary Article.
2. The specification of the Software, PAC Certificate from the department and certification from the supplier are attached herewith.
3. The above documents as mentioned in para 2 are being uploaded in the public domain to submit objections, comments, if any from the manufacturer/supplier regarding Proprietary nature of the software within seven days giving the reference no. NITD/PAC/Twin Rotor MIMO System/2023-24/05, dated: 21/02/2024. The comments/objections should be received by the Joint Registrar Procurement, NIT Durgapur over email address: procurement@nitdgp.ac.in.
4. In case of No Objection Received within seven days, it will be presumed that any other vendor is having no comment or objection to offer and case will be decided on merit to finalize the purchase.

Asit Kumar

Joint Registrar Procurement

NIT Durgapur

Encls: -

PAC Certificates by Indenter

PAC Certificates by Supplier

Technical Specification of the Software

PHYSICS	CHEMISTRY BIOLOGY	ENGINEERING
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LD DIDACTIC GmbH • P.O. Box 1365 • 50330 Huerth

October 10th, 2023

PROPRIETARY CERTIFICATE
TO WHOM SO EVER IT MAY CONCERN

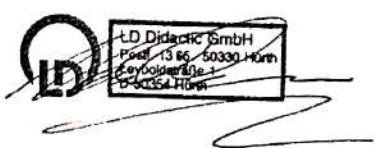
We M/s. LD Didactic GmbH who are established and reputed manufacturers of Engineering, Vocational training and Science Lab Equipments, having factory at Leyboldstrasse 1, 50354 Huerth, Republic of Germany and H-2700 Cegled, KulsoKataiut 96, Hungary, hereby do hereby confirms that below equipments are manufacturer by us.

- a. 33-005 PCI - Digital Inverted Pendulum with MATLAB S/w
- b. 33-007-PCI - Twin Rotor MIMO System with MATLAB S/w

This is to certify that the above mentioned Research Equipments are Proprietary product, manufactured by our company M/s. LD DIDACTIC GmbH Germany, Leyboldstrasse 1, 50354 Huerth, Republic of Germany.

This item is solely Manufactured by our company M/s. LD DIDACTIC GmbH Germany and not by any other company in the world.

The undersigned is authorized to issue this 'Proprietary Item Certificate' on behalf of the company LD DIDACTIC GmbH Germany



Narendra Parmar
Sales Director
For and on behalf of LD Didactic GmbH



Annexure-V

National Institute Of Technology Durgapur 713209
(An Institute of National Importance under Ministry of Education, Govt of India)
PROPRIETARY ARTICLE CERTIFICATE
Valid for the Current Financial Year

File Number and Date Reference			
1	Description of the article	33-007 PCI - TWIN ROTOR MIMO SYSTEM With MATLAB S/W	
2	Forecast of quantity/annual requirement	One in five years	
3	Approximate estimated value for above quantity	INR 17,47,590.00	
4	Maker's name and address	M/S. LD DIDTIC GmbH Germany	
5	Name(s) of authorized dealers/stockists	M/S. EDNEX, 4J, Century Plaza, 560-562, Anna Salai, Teynampet, Chennai - 600018	
6	I approve the above purchase on PAC basis and certify that:-Note- Tick to retain only one out of (b), (c-1) or (c-2) whichever is applicable and cross out others. Please do confirm (a) by ticking it- without which PAC certificate will be invalid.		
6(a)	This is the only firm who is manufacturing/stocking this item. AND		<input checked="" type="checkbox"/>
6(b)	A similar article is not manufactured sold by any other firm, which could be used in lieu OR		<input checked="" type="checkbox"/>
6(c-1)	No other make/brand will be suitable for following tangible reasons (like OEM/warranty spares): OR		
6(c)	No other make/brand will be suitable for following intangible reasons (if PAC was also given in the last procurement cycle, please also bring out efforts made since then to locate more sources): OR		
7	Reference of concurrence of finance wing to the proposal:	DH 35; 35-05-06-6	
History of purchases of this item for past three years may be given below			
Name of the supplier			
Order/Tender References & Date	Quantity Ordered	Basic Rate on Order (Rs.)	Adverse Performance Reported if Any

Recommended by : Name & Signature of Indenter..... JAYATI DEY, Jayati Dey 10/11/2023Signature of Approving Authority (HOD/HOC)..... [Signature] 10.11.23 Stamp & DateHead of the Department of
Electrical Engineering
National Institute of Technology
Durgapur - 713209 (W.B.)

Detailed Specification of Twin Rotor MIMO System

Sl. No.	Name of the Indented Goods	Quantity Required	Measurement Unit	Specifications/ Range/ Criteria/ Parameter/ Drawing/ Pictures etc.
1	Twin Rotor MIMO System	1	No.	<p>Made by M/s. LD DIDACTIC GmbH Germany, Model No: 33-007-PCI including PC with a PCI slot and Windows 7 (x86 or x64) or Windows 10 (x64), MATLAB™ interface card and cable</p> <p><u>Features</u></p> <ul style="list-style-type: none"> · A MATLAB™ controlled Twin Rotor system enabling control over system dynamics, study and design of controllers. - Classic multivariable system · Non-linear processes · Closed loop identification · Uses MATLAB™ control environment · Real time analysis <p><u>Specification</u></p> <p>Power requirements Line voltage: 200/250 V or 100/125 V, 50 or 60 Hz. Consumption: 100 VA. Fuse: 4 A (110 V), 2 A (230 V). Weight and Dimensions: 80 cm (w) x 35 cm (d) x 75 cm (h), Weight: 11 kg.</p>