



Indian Institute of Technology Jodhpur

N.H. 62, Nagaur Road, Karwar, Jodhpur - 342030, Rajasthan (India)

☎ 0291-280 (Your dept number) | ✉ <your department email>@iitj.ac.in

Website: Department: <https://www.iitj.ac.in/electrical-engineering/> | IITJ: www.iitj.ac.in

INDIAN INSTITUTE OF TECHNOLOGY JODHPUR

Request For Technical Information and Pro Forma Quotations

For Procurement of Power Network Simulator

1. Introduction

The Indian Institute of Technology Jodhpur (IIT Jodhpur) intends to procure **Power Network Simulator** for academic and research purposes.

Before initiating the formal procurement process, the Institute invites **Technical Information And Indicative Pro Forma Quotations** from eligible Original Equipment Manufacturers (OEMs) or their authorized representatives.

2. Purpose

The objectives are to:

- Obtain technical information from prospective OEMs/authorized representatives.
- Obtain indicative Pro forma quotations for estimating the procurement cost.

3. Disclaimer

This document is issued **only for obtaining technical information and indicative Pro Forma quotations**.

Submission of information under this proposal:

- shall **not** be treated as a financial bid;
- shall **not** constitute any commitment on the part of IIT Jodhpur to procure the equipment;
- shall **not** confer any right upon the participating firm for award of any future contract;
- shall **not** automatically qualify the responding firm for participation in any future tender.

The Institute reserves the right to modify the technical specifications, estimated cost, procurement methodology, or procurement timeline based on its requirements.

4. Equipment Details

- Name of Equipment: **Power Network Simulator**
- Quantity: 1 Educational license (upto 25 users) and 1 research grade license (upto 10 users)



Indian Institute of Technology Jodhpur

N.H. 62, Nagaur Road, Karwar, Jodhpur - 342030, Rajasthan (India)

☎ 0291-280 (Your dept number) | ✉ <your department email>@iitj.ac.in

Website: Department: <https://www.iitj.ac.in/electrical-engineering/> | IITJ: www.iitj.ac.in

- Broad Functional Requirements (The essential functions or capabilities that the equipment should have, without mentioning a specific make, model, or brand):

Item Name	Power Network Simulator Software	
Application	Power System Simulation Study, Dynamic Simulation, Renewable Integration Study, HVDC and FACTS Development, Fault Analysis, Protection Analysis, Renewable Integration and control, Modal Analysis, EMT and RMS Simulation	
Key Desirables (Basic Functions)	Modelling Capabilities	Multi-bus Power System Modelling, Electrical Machine Modelling, Load Modelling, Renewable Generation Modelling, Power Electronics Packages, AC/DC Hybrid Modelling
	Basic Functions (Most Desirable)	Load Flow Analysis, Network Model Management, short-circuit analysis, outage management, sensitivity analysis, network diagrams and graphic features, all power equipment models, results and reporting, network representation, data conversion, interfacing with SCADA, EMS, etc., scripting and custom modelling
	Advanced (Added Functionalities)	Contingency Analysis, Quasi-Dynamic Simulation, Network Reduction, Protection Functions, Arc-Flash Analysis, Cable Analysis, Power Quality and Harmonic Analysis, Connection Request Assessment, Transmission Network Tools, Distribution Network Tools, Economic Analysis Tools, Probabilistic Analysis, Reliability



Indian Institute of Technology Jodhpur

N.H. 62, Nagaur Road, Karwar, Jodhpur - 342030, Rajasthan (India)

☎ 0291-280 (Your dept number) | ✉ <your department email>@iitj.ac.in

Website: Department: <https://www.iitj.ac.in/electrical-engineering/> | IITJ: www.iitj.ac.in

		and Restoration Analysis Functions, Optimal Power Flow (OPF), Unit Commitment and Dispatch Optimisation, State Estimation, Stability Analysis Functions (RMS) Electromagnetic Transients (EMT), Motor Starting Functions, Small Signal Stability Analysis, System Parameter Identification Scripting and Automation, Artificial Intelligence Interfaces, Additional Data Converters
Users	Desirable	20-25 Educational and 5-10 Research Compatible User licenses (with unlimited power/signal/control nodes)
License Type		Preferably Network License
Supported Operating Systems	Desirable	Windows 10 and 11 Windows Server 2016-2025
Supported Database System	Desirable	• Microsoft SQL Server 2016-2022 • Oracle Server 19c-23ai • PostgreSQL 14-18
Host System	Desirable	Should be able to operate seamlessly with Intel-i5, 8-16 GB, 1 TB SSD desktop

(The above requirements are indicative and may be revised after evaluation of the responses.)

5. Eligibility Criteria

Interested firms should:

- Be an Original Equipment Manufacturer (OEM) or an authorized distributor/dealer.
- Have experience in supplying similar equipment.
- Have adequate installation and after-sales service support in India.



Indian Institute of Technology Jodhpur

N.H. 62, Nagaur Road, Karwar, Jodhpur - 342030, Rajasthan (India)

☎ 0291-280 (Your dept number) | ✉ <your department email>@iitj.ac.in

Website: Department: <https://www.iitj.ac.in/electrical-engineering/> | IITJ: www.iitj.ac.in

6. Information/Documents to be Submitted

The interested firms shall submit the following (*Annexure-I*):

1. Company Profile.
2. Details of the OEM.
3. Product Brochure/Catalogue.
4. Detailed Technical Specifications.
5. Compliance with the Broad Functional Requirements.
6. List of previous users/clients with installation reports
7. Details of Warranty.
8. Details of After-Sales Service Support.
9. Authorization Letter from OEM (where applicable).
10. Any additional technical information relevant to the offered equipment.

7. Pro forma Quotation

- Interested firms are requested to submit a Pro forma Quotation (*Annexure-II*) along with their Request For Technical Information and Pro Forma Quotations response. Indicative **Pro Forma** quotation in Indian Rupees (INR), including the cost of the equipment, essential accessories, taxes, duties, freight, insurance, installation, commissioning, training, and any other associated charges. Wherever applicable, the Annual Maintenance Contract (AMC) and/or Comprehensive Maintenance Contract (CMC) charges and spare parts shall be quoted separately as additional charges.
- Expected delivery schedule and other relevant technical and commercial information.

Important Note:

- The **Pro Forma** quotation is required only for cost estimation and budget planning purposes.
- The prices quoted shall be indicative/non-binding.
- The Pro Forma quotation shall not be treated as a financial bid.
- Submission of a **Pro Forma** quotation shall not confer any right or preference in the subsequent procurement process.

8. Presentation/Demonstration

The Institute may invite for a technical presentation or product demonstration. The date and venue shall be communicated separately.

9. Submission :

Interested firms may submit their Proforma Quotations on or before the due date in sealed cover or through email (as applicable).



Indian Institute of Technology Jodhpur

N.H. 62, Nagaur Road, Karwar, Jodhpur - 342030, Rajasthan (India)

☎ 0291-280 (Your dept number) | ✉ <your department email>@iitj.ac.in

Website: Department: <https://www.iitj.ac.in/electrical-engineering/> | IITJ: www.iitj.ac.in

The envelope/email should be superscribed as:

"Request For Technical Information and Pro forma Quotations for Procurement of
_____"

8. Important Dates

Activity	Date
Publication	
Last Date for Submission	
Technical Presentation (if required)	To be informed
Clarification Meeting (if required)	To be informed

10. General Terms & Conditions

1. This **Request For Technical Information and Pro forma Quotations** is issued only for obtaining technical information and **Pro Forma** estimates.
2. The Institute reserves the right to accept or reject any or all responses without assigning any reason.
3. Submission of an **Request For Technical Information and Pro forma Quotations** does not create any contractual obligation.
4. The Institute may seek additional information, technical clarifications, demonstrations, or presentations from any participant.
5. The Institute may modify the technical requirements based on the responses received.
6. The final technical specifications may be prepared by the User Committee after evaluating all **Request For Technical Information and Pro forma Quotations** responses.
7. The subsequent procurement, if any, shall be carried out through an appropriate procurement method in accordance with the GFR 2017 and applicable procurement rules.
8. Participation in this **Request For Technical Information and Pro forma Quotations** does not automatically entitle any firm to participate in or receive any preference during the subsequent tender process.

11. Contact Details

Name: _____

Designation: _____

Department: _____

Email: _____



Indian Institute of Technology Jodhpur

N.H. 62, Nagaur Road, Karwar, Jodhpur - 342030, Rajasthan (India)

☎ 0291-280 (Your dept number) | ✉ <your department email>@iitj.ac.in

Website: Department: <https://www.iitj.ac.in/electrical-engineering/> | IITJ: www.iitj.ac.in

Annexure-I

Request For Technical Information and Pro forma Quotations Response Format

1. Name of the Firm:
2. Registered Address:
3. Name of OEM (if applicable):
4. Contact Person:
5. Email:
6. Phone:
7. Product Name and Model:
8. Brief Technical Description:
9. Compliance with Broad Functional Requirements:
10. List of previous users/clients with installation reports:
11. After-Sales Service Details:
12. Any Additional Features:
13. Remarks (if any).



Indian Institute of Technology Jodhpur

N.H. 62, Nagaur Road, Karwar, Jodhpur - 342030, Rajasthan (India)

☎ 0291-280 (Your dept number) | ✉ <your department email>@iitj.ac.in

Website: Department: <https://www.iitj.ac.in/electrical-engineering/> | IITJ: www.iitj.ac.in

Annexure-II

Format for Pro forma Quotation

Sl. No.	Description	Amount (INR)
1	Indicative Pro forma quotation in Indian Rupees (INR), including the cost of the equipment, essential accessories, taxes, duties, freight, insurance, installation, commissioning, training, and any other associated charges.	

Warranty Period: _____

AMC/CMC Charges (after warranty): _____

Delivery Period: _____

Authorized Signatory

Name: _____

Designation: _____

Company Seal & Signature



Indian Institute of Technology Jodhpur

N.H. 62, Nagaur Road, Karwar, Jodhpur - 342030, Rajasthan (India)

☎ 0291-280 (Your dept number) | ✉ <your department email>@iitj.ac.in

Website: Department: <https://www.iitj.ac.in/electrical-engineering/> | IITJ: www.iitj.ac.in
