



सरदार व लभभाई रा य औधो गक सं थान, सूरत
**SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY,
SURAT, GUJARAT-395007.**

SVNIT

(An Institute of National Importance, MHRD, Govt. of India)

Tender No: **SVNIT CPPP- 68/ECED-Equip/ 1472 /2021-22**

Date: **19.11.2021**

NOTICE INVITING TENDER

The S. V. National Institute of Technology, Surat invites tenders/bids under Single bid systems (Technical Bid & Financial Bid both in separate format) in sealed envelope for supply of **Programmable DC Power supply Solar Array Simulation** in the **Department of Electrical Engineering**, as per the specifications, terms and conditions given in this tender. The tender documents can be downloaded free of cost from the website of SVNIT or from the Central Public Procurement Portal.

Schedule of Requirements

Sr. No.	Particular	Quantity	Delivery Period
01	Programmable DC Power supply Solar Array Simulation	01	30 Days

Details	Information
Bidding System	Single Bid System: Technical Bid & Financial Bid
Tender Floating Date	29/11/2021 at (15:00)
Bid submission Start Date & Time	29/11/2021 at (15:20)
Bid submission End Date & Time	20/12/2021 upto (17:00)
Bid Opening Date, Time & Place	22/12/2021 at (11:00) Office of the Head, Department of Electrical Engineering, SVNIT, Surat.
Inviting Officer Designation, Address, phone, email	Dr. Mahmadasraf A. Mulla Associate Professor, Department of Electrical Engineering, SVNIT, Surat, Gujarat- 395007. Contact No:0261-2201566 Email: mam@eed.svnit.ac.in

LIST OF DOCUMENTS TO BE UPLOADED WITH TECHNICAL BID

Sr. No.	Documents
1.	Tender Acceptance Letter as per Annexure-1
2.	Bidder's information as per Annexure-2 and Bid Security Declaration as per Annexure-3
3.	Financial turnover for last 3 years as per Annexure-5
4.	Integrity Pact as per Annexure-8
5.	Technical Compliance Sheet as per Annexure-10 (NIT document)
6.	Duly filled Technical Eligibility criteria as per Chapter-7
7.	BOQ

CHAPTER-7
TECHNICAL ELIGIBILITY CRITERIA

Sr. No.	Details	Documentary Evidence Required To be attached	Compliance (Yes/No)	Corresponding Document As Proof In Our Prequalification Requirements Document Set On Page No
1.	The Bidder shall necessarily be a legal entity either in the form of a sole proprietorship, partnership or a Limited Company registered under the Companies Act. Bidder in the form of JV/consortium may be permitted. A proof of status shall be submitted by the bidder.	Relevant documents		
2.	The Bidder should be OEM/Authorized Distributors/Dealers etc.	Certificate of Incorporation /Registration /Authorization by OEM should be attached		
3.	Self-certified copy of PAN card	Relevant Copy		
4.	Copies of valid GST registration Certificate	Relevant Copy		
5.	Bidder Information	Duly filled Annexure-II should be attached		
6.	List of other Govt. Departments, Public Sector units and Central Autonomous Bodies for which the bidder has supplied material or having the similar type of contracts and a certificate regarding the satisfactory performance of the contract.	Duly filled Annexure-III should Be attached		
7.	Satisfactory Performance Certification from existing clients minimum three organization must be submitted which should contain minimum two clients mentioned at Sr.No.7	Copy of satisfactory performance Certification		

8.	Twenty Lacs of each year during the last 3 financial years.	Account Statement along with certificate from C. A. firm mentioning turn over in providing services similar to the requirement.		
9.	Currently Valid Solvency certificate should be of at least Rs.4 lacs from any Nationalized/Public/Private Sector bank	Latest certification from the bank(not older than 6 months)		
10.	The Bidder should be registered under GST Act.	Relevant Documents		
11.	Bid Security Declaration Certificate	Duly filled Annexure-VII should be submitted		
12.	A Statement of Account Balance Sheet for the financial year 2017-18, 2018-19 and 2019-20 must be enclosed with the technical bid.	Duly filled Annexure-VI should be submitted		
13.	Delivery Period: Within 10 weeks from the date of order.			
14.	Warranty: 1 year's comprehensive warranty should be there and after warranty period mode of support needs to be mentioned.			
15.	Installation, Commissioning and Training: Free of cost Installation, Commissioning and Training is the responsibility of supplier.			
16.	Make and model no. of item must be mentioned along with detailed specification, else tender will not be accepted.			

CHAPTER- 8
TECHNICALSPECIFICATIONS

1	Output Ratings : Output Voltage: 0-600V Output Current :8.5A Output Power : 5KW
2	Line Regulation : Voltage : ± 0.01 %F.S Current: ± 0.05 %F.S.
3	Load Regulation: Voltage : ± 0.05 %F.S Current: ± 0.1 %F.S.
4	Voltage Measurements: Voltage Range: 120V/600V Accuracy: 0.05% + 0.05%F.S.
5	Current Measurements: Current Range: 3.4A/8.5A Accuracy: 0.1% +0.1%F.S.
6	Output Noise & Ripple: Voltage Noise(P-P) : 1500 mV Voltage Ripple(rms) : 650 mV Current Ripple(rms): 150mA
7	Simulate different Solar Cell materials I-V Characteristics
8	It should be able to carry out Static and Dynamic MPPT efficiency testing
9	Simulate Weather conditions
10	Data recorder facility via soft panel is to be provided
11	Standard USB / RS232 / RS485 interface needs to be present
12	Detailed technical specifications and User manual needs to be submitted

ANNEXURE-10
Technical Compliance Sheet

The technical compliance bid must be in this sheet only, otherwise it should be assumed that bidder is not able to offer technically desired product. Information provided elsewhere or in different form will not be considered.

1. Appropriate Columns of this sheet should be compulsorily filled by the bidder, merely asking the office to refer catalogue or brochure will not be entertained.
2. The bidder shall assume full responsibility of the information provided in this sheet. Any false statement should render the breach of basic foundation of the tender.

Sr. No	SVNIT Specifications	Offered Specification	Deviation (if any)
1	Output Ratings : Output Voltage: 0-600V Output Current :8.5A Output Power : 5KW		
2	Line Regulation : Voltage : ± 0.01 %F.S Current: ± 0.05 %F.S.		
3	Load Regulation: Voltage : ± 0.05 %F.S Current: ± 0.1 %F.S.		
4	Voltage Measurements: Voltage Range: 120V/600V Accuracy: 0.05% + 0.05%F.S.		
5	Current Measurements: Current Range: 3.4A/8.5A Accuracy: 0.1% +0.1%F.S.		
6	Output Noise & Ripple: Voltage Noise(P-P) : 1500 mV Voltage Ripple(rms) : 650 mV Current Ripple(rms): 150mA		
7	Simulate different Solar Cell materials I-V Characteristics		
8	It should be able to carry out Static and Dynamic MPPT efficiency testing		

9	Simulate Weather conditions		
10	Data recorder facility via soft panel is to be provided		
11	Standard USB / RS232 / RS485 interface needs to be present		
12	Detailed technical specifications and User manual needs to be submitted		

Note: Bidder should submit the Technical Specifications Compliance sheet with the technical Bid.