

NATIONAL INSTITUTE OF SOLAR ENERGY

(An Autonomous Institute of Ministry of New & Renewable Energy, Govt. of India)
Gurugram-Faridabad Road, Gwal Pahari, Gurugram, Haryana-122003, INDIA
Telephone No.: +91-124- 2853108, Website: www.nise.res.in



e-Tender Document

for

“Supply, Installation and Commissioning of 150 kVA Solar Hybrid Inverter at National Institute of Solar Energy (NISE), Gurugram, Haryana”

RFQ No: 05/02/07/2018-19/HEFC/SPV/T-8

Last Date of Submission: 24th August, 2021 (11:59 P.M. Indian Standard Time)

Deputy Director General
National Institute of Solar Energy
Gurugram-Faridabad Road
Gwal Pahari, Gurugram – 122 003, Haryana, India
Tele No. : (+91)124-285 3108 (Office)
E-mail: banerjee.mnre@gov.in
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NATIONAL INSTITUTE OF SOLAR ENERGY

(An Autonomous Institute of Ministry of New & Renewable Energy, Govt. of India)

Gurugram-Faridabad Road, Gwal Pahari, Gurugram, Haryana-122003, INDIA

Telephone No.: +91-124- 2853001/2853128/2853108

Website: www.nise.res.in

Subject: Supply, Installation and Commissioning of 150 kVA Solar Hybrid Inverter at National Institute of Solar Energy (NISE), Gurugram, Haryana

The important dates and information for quotation are given below in the table:

S. No	Description	Details
1.	Notice Inviting Tender/Bid (NIT) No/Request for Quotation (RFQ) No.	05/02/07/2018-19/HEFC/SPV/T-8
2.	Tender Type (open/Limited/Auction/EOI/Single)	Open
3.	Tender Issued Through <ul style="list-style-type: none"> •Expressions of interest (EOI) •Request for information (RFI) •Request for proposal (RFP) •Request for quotation (RFQ) •Request for tender (RFT) 	RFQ
4.	Tender Category (Services/Goods/works/Supply)	Goods
5.	Scope of Work	Supply, Installation and Commissioning of 150 kVA Solar Hybrid Inverter at National Institute of Solar Energy (NISE), Gurugram, Haryana
6.	Submitting of Tenders	(i) The scope of work to be tendered are available in the complete bid documents, which can be viewed /downloaded from the e- tender portal (i.e., http://www.tenderwizard.com/NISE) and Central Procurement Portal (CPP) (i.e., https://eprocure.gov.in). Both Technical and Financial Bids, duly digitally signed, will be concurrently submitted through the e-tender portal

		<p>http://www.tenderwizard.com/NISE. No claim shall be entertained on account of disruptions/non-availability of internet services being used by bidders. Bidders are advised to upload their bids well in time to avoid the last-minute technical snags in the website/portal.</p> <p>(ii) All Corrigendum/ Amendments/ Corrections, if any, will be published on the website http://www.tenderwizard.com/NISE and CPPP (https://eprocure.gov.in).</p> <p>(iii) All the applicants must have a Class-III Digital Signature Certificate (in the name of a person who will sign the bid documents) from any of the licensed certifying agencies.</p> <p>(iv) To participate in the e-tendering process, it is mandatory for the applicants to get their firm/joint venture registered with the e-tendering portal of http://www.tenderwizard.com/NISE which will enable them to have user ID & Password from M/s ITI Ltd for participating in the e-tender.</p>
7.	Bid Validity	<p>Bids shall be valid for at least 6 months from the last date of submission of bids specified for this e-tender. However, in case NISE requires further extension in validity due to some unforeseen conditions, the same will have to be extended by the bidder at the same price and terms & conditions as quoted in the original bids submitted against this e-tender on the request of NISE.</p>
8.	Bid Security Declaration	<p>Bidders will provide “Bid security declaration” along with their bids, wherein it must be stated that they will not withdraw or modify their bids during the period of bid validity. If the bidders do not comply with these conditions, they will be suspended from participating in any tender floated by</p>

		<p>the NISE for a period of three years from the date of expiry of the validity of the bid submitted against this e-tender.</p>
9.	Security/ Performance Guarantee	<p>The successful bidder will convey acceptance of the work order placed by NISE within 7 days from the date of its issue and thereafter deposit within 7 days, 3% of contract value (excluding Taxes) in the form of Demand Draft/Fixed Deposit Receipt/Bank guarantee from a commercial bank in India as Security, which will be valid for a period of 60 days beyond the date of supply, installation, commissioning and testing of the system supplied as specified in the work order. If required, NISE may ask vendor to extend date without any financial implications on NISE. On expiry of duration of security guarantee, the vendor will either extend the validity of Demand Draft/Fixed Deposit Receipt/Bank guarantee for another five years towards performance guarantee of the system or deposit fresh Demand Draft/Fixed Deposit Receipt/Bank guarantee of 3% of the contract value, valid for a period of five years towards performance security.</p> <p><i>In case the successful bidder either fails to convey the acceptance of the work order placed by NISE against this e-tender or fails to submit security guarantee within the stipulated period specified hereinabove, NISE will be free to take the necessary action for cancellation of the work order and award the work on the second lowest bidder.</i></p> <p>The format for the "Security/Performance Bank Guarantee (BG)" is given at Annexure-I.</p>
10.	Address for communication	<p>The Deputy Director General National Institute of Solar Energy, Gurugram-Faridabad Road,</p>

		<p>Gwal Pahari, Gurugram – 122 003, Haryana, India Tele No.: (+91)-124-285 3001 E-Mail: banerjee.mnre@gov.in</p>
	For related query or clarifications contact:	<p>Prakash Jha 0124-285 3108 (10:00 A.M. to 5:00 P.M.)</p>
11.	Period of validity of quotation	<p>Bids shall be valid for at least six months from the last date of submission of bids for this e-tender.</p>
12.	Pre-bid Meeting	<p>Prospective Bidders should attend the pre-bid meeting on 11th August, 2021 sharply at 11:00 A.M. in Room No. 203, Surya Bhawan, National Institute of Solar Energy, Gurugram-Faridabad Road Gwal Pahari, Gurugram – 122 003, Haryana, India</p>
13.	Last date & time of submission of bids	<p>To be submitted online by 11:59 P.M. Indian Standard Time (IST) on 24th August, 2021 to website: www.tenderwizard.com/NISE</p>
14.	Date (time) of opening of Technical bids	<p>25th August, 2021 at 12:00 Noon.</p>
15.	Opening of Price Bids	<p>Technically qualified bidders will be notified separately by e-mail.</p>
16.	Time of starting and completing the work	<p>Immediately after deposition of security guarantee to NISE by the successful bidder. The entire work of manufacturing, supply, installation, commissioning and testing is to be completed within 90 days of the acceptance of the work order.</p>
17.	Client list (as per Annexure- V)	<p>The Bidders are requested to provide a list of recent clients (with contact details and complete address) to whom similar goods have been satisfactorily supplied (<i>copy of Work Order and Performance Certificate for satisfactory operation of the equipment to be attached in support</i>), during the period from 1st January, 2018 to 31st December, 2020. (<i>The list before this period will not be considered</i>)</p>

18.	Note	<ol style="list-style-type: none"> 1. The Bidders should be well-versed and equipped to carry out the obligations indicated in the conditions of the present e-tender document. 2. Technical bid and price bid format are given at Annexures - II and III respectively. These are to be submitted on the Company's official letter head by the bidder. 3. The bidders eligible as per the Notification issued by Government of India vide No. 6/18/2019-PPD and dated 23rd July, 2020 and subsequent notifications, if any be allowed to participate in the e-tender. Those bidders not fulfilling the criteria stipulated in the notification(s) will be disqualified at technical evaluation stage of the bids. Appropriate certificate to be provided as per Annexure-VI. 4. The bidders have to provide a self-declaration stating that the material/goods/equipment/ machinery have minimum 20% of local content on Official letter head of their organisation as per the Notification vide No. 283/22/2019-GRID SOLAR and dated 09th February, 2021 (issued by Ministry of New and Renewable Energy, Government of India). 5. The bidders are requested to sign on each page of the tender document along with the company seal which should be clearly visible.
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1. Introduction

The National Institute of Solar Energy (NISE), an autonomous institution of the Ministry of New and Renewable (MNRE), is the apex National R&D institution in the field of Solar Energy. NISE is to assist the Ministry in implementing the National Solar Mission and to coordinate research, technology development and other related works in the field of solar energy. The institute is involved in demonstration, standardization, interactive research, training and testing of solar technologies and systems. It is an effective interface between the Government and academic institutions, industry & user organizations for development, promotion and widespread utilization of solar energy in the country.

2. Invitation for Quotation:

On behalf of the Deputy Director General, NISE, Gurugram, online bids are invited from the suitable vendors for **“Supply, Installation and Commissioning of 150 kVA Solar Hybrid Inverter at National Institute of Solar Energy (NISE), Gurugram, Haryana.”**

3. Instructions to Bidders:

The following **KEY INSTRUCTIONS** must be assiduously adhered to by the bidders:

- i. Obtain an individual Digital Signing Certificate (DSC or DC) well in advance of your first tender submission deadline from the authorized agencies.
- ii. Register your organization on M/s ITI E-tender Site well in advance of the deadline of submission of your first tender for obtaining credentials by paying Annual registration charges.
- iii. Get the concerned executives of your organization's trained for submission of e-tender.
- iv. Submit the tender well in advance by paying non-refundable Tender Processing Fee (TPF) and other relevant documents before the end of deadline on M/s ITI E- tender Site as there could be last minute problems due to internet timeout, breakdown, etc. While the first three instructions mentioned above are especially relevant to first-time users of M/s ITI E-tender Site, the fourth instruction

is relevant at all times.

v. **Vendors Training Programme:** Vendors are requested to contact at Tender Wizard Helpdesk ITI Officers for any information regarding E-tendering / training.

a) For online registration, the interested bidders may write to niseeproc@etenderwizard.com or contact no. 011-49424365.

b) For any further query related to Training Session, Tender Uploading/downloading or any other query related to tender, please contact Tender Wizard Helpdesk of M/s. ITI Ltd. Tel no. 011-49424365 or write a mail on Email Id:- niseeproc@etenderwizard.com / Executives Contact Number: 8800112479/ 9650520101.

I. Eligibility of Bidders:

(i). Eligibility of Bidders:

a. The Bidder should be a manufacturer/ supplier/ contractor of repute who must have designed/ manufactured/ tested/ supplied the Inverter of similar type.

b. Availability of at least one authorized service Centre(s)/ office/ warehouse located either in Gurugram or Faridabad or New Delhi/Delhi or Noida that must be equipped for providing technical support facilities for attending to any operational problems after the warranty period of the equipment.

c. Should have supplied and installed successfully similar type of system to at least five clients during the three-year period i.e. from 1st January, 2018 to 31st December, 2020. Copies of the work order placed by the clients along with copies of letters issued by the clients for successfully completing the job within the stipulated period specified in the Purchase Order/Work Order and satisfactory performance of the system for at least two years after commissioning of the system be provided along with technical bid.

d. The bidder/ vendor should have turnover of at least Rs. 50 lakhs (Rupees Fifty lakhs) during each of the last three financial years i.e. 2018-19, 2019-20 and 2020-21. The copies of the audited statement to this effect from a Chartered Accountant are to be provided with the technical bid.

(ii). Disqualification: The Bidders/Vendors will be subject to disqualification if they do not meet the eligibility criteria given above or if they have made untrue or false representation in the forms, statements and attachments submitted in proof of the qualification requirements or have a record of poor performance of not properly completing the contract, causing inordinate delays in completion or having financial failures etc.

(iii). If a bidder/ vendor quote NIL charges/consideration, the bid shall be treated as unresponsive and will not be considered.

(iv). The bidder/ vendor will provide relevant certificates as per national

/international standards. If the equipment are not found to conforming to the certificate/ test report submitted by the bidder at the time of submission of the bids, NISE will be at its liberty to fully reject the equipment.

(v). Prospective Bidders are encouraged to attend pre-bid meeting to be held on 11th August, 2021. sharply at 11:00 A.M. in Room No. 203, Surya Bhawan, National Institute of Solar Energy, Gurugram, Haryana

(vi). NISE reserves the right to accept or reject any tender in part or full without assigning any reason whatsoever.

(vii). *“The bidders to Confirm:*

a) that their company is not engaging child labour and is complying with various legislations as applicable from time to time as per the various labour laws/ statutes of the land applicable to them with regard to engagement of child labour.

b) Unconditional acceptance that any bidder making a false claim would have its contract terminated forthwith, if detected later.”

c) The bidders may not participate in the bid if any of the directors/proprietor/partners of the company have been convicted of an offence – (a) under the Prevention of Corruption Act, 1988 or (b) the Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of public procurement contract or blacklisted by Government /Department.

(A letter duly signed by competent authority on official letter head for the undertaking to be provided as one of the Annexures)

II. Detailed Scope of Work:

The Hydrogen Energy Division at NISE draws the power from 120 kWp roof top solar PV plant installed at the designated place in NISE. Current stringing detail at inverter (installed PV) terminal is as below:

System Design		
Description	Value	Units
Total SPV plant Capacity	120	kWp
No of strings at inverter terminal	2	
String 1		
Max DC Voltage (Vmp)	440.4	Volts
Max DC Current (Imp)	136.68	Amperes
Open Circuit Voltage (Voc)	542.64	Volts
Short Circuit Current (Ioc)	144.84	Amperes
String 2		
Max DC Voltage (Vmp)	440.4	Volts
Max DC Current (Imp)	136.68	Amperes
Open Circuit Voltage (Voc)	542.64	Volts
Short Circuit Current (Ioc)	144.84	Amperes

A. Inverter Specifications:

Description	Specification
Type of Inverter	Hybrid Inverter, Indoor
Nominal Rating (kVA)	150 kVA
Max PV input Power (V)	110 % of nominal power
Control type	IGBT based
Power Control	MPPT
PV Input Voltage (V)	300 V - 600 V (At actual PV plant Module Vmp= 440V and Voc= 542V)
Protection at DC & AC terminal	SPDs/MOVs
Reverse polarity protection	Yes
DC current isolation	Yes
Output Voltage	400 V _{AC} (+10%, -15% V _{AC})
Output Phase	3 Phase
Output frequency	50 Hz (\pm 1.5 Hz)
Total Harmonic Distortion (THD) for Voltage and Current	< 3 %
Power Factor	System should cater capacitive and inductive load from PF 0.55 to PF 1
Anti Islanding protection	Yes
System Conversion efficiency	\geq 92 %
Ambient temperature	0 °C to +50 °C
Humidity	Up to 93 %
Enclosure	Equal to or above IP 20/IP21
Display on front panel	LCD based graphic display with keypad operator interface
Front Panel indicators	Display visible from outside of enclosure
Data logger	Inbuilt
Data logging period	Minimum 30 days
SCADA/ RTU	To be provided with a remote desktop at site office
Provision for RS 232/RS 485 for remote monitoring	As per requirement
Battery details to be matched	Available No. of Cells= 360 Nos. Preferred Voltage= 240V Capacity of Cells= 1500Ah

- B.** Any other parts or equipments, etc. required during the installation and commissioning of the inverter will be in the scope of bidder/ vendor.

- C. **Warranty:** The inverter should have a Warranty period of 5 years after installation, commissioning and testing of the batteries at the site.
- D. **Liquidated Damage:** If the Manufacturer/Supplier fails to deliver the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct half percent of contract price per week of delay subject to a ceiling of 5% of final contract price.
- E. **Free Maintenance and Defect Liability Period during Warranty:** The Bidders shall ensure the following free maintenance services during the warranty period within a maximum of 2 weeks. The delay in service beyond this period will incur a penalty of 0.25% of the final contract price per day subject to a ceiling of one percent. NISE may blacklist the vender if such delay is observed for more than two times.
 - i. Replacement of any defective parts
 - ii. Any other necessary works for equipment functional operation.

F. Site Survey:

Interested Bidders/ Vendors are requested to inspect the area designated for installation of Inverter at the address mentioned above and get them acquainted with the nature of work and local conditions. Engineer (Hydrogen Energy Division) may be contacted at 0124-285- 3108 for such site visit depending on availability on or before 11th August, 2021.

III. General Conditions of Contract

- a. **Payment:** The following mode of method will be followed by NISE:
- i. 60% of work order amount will be paid after receiving and satisfactory acceptance by the purchaser of the goods/ equipment at NISE.
 - ii. 37% of work order amount will be paid after installation, commissioning and testing of the goods/ equipment supplied against the work order.
 - iii. 3 % of work order amount will be paid against receipt of a Bank Guarantee by NISE.

The following documents will have to submit for release of the payment:

- i. Original invoice duly signed by the authorized signatory.
- ii. Warranty/ Guarantee certificate for the items supplied
- iii. Installation and Commissioning certificate duly certified by Competent Authority, NISE
- iv. Dealership or Manufacturer Authorisation certificate. Item Acceptance Certificate duly signed and sealed from Competent Authority, NISE after delivery of all the items in full quantity as mentioned in Purchase Order.
- v. PAN Card number, Bank Account details, Bank address & RTGS details of the Agency are to be forwarded along with the Invoice.

*In case if you are registered under MSME Act, 2006, the copy of the registration certificate to be provided.

- b. **Taxes and Duties:** Manufacturer/Supplier shall be entirely responsible for all taxes, GST, license fees, Custom duty (NISE shall provide only Custom duty exemption certificate), all other duties, demurrage charges (if any), road permits, etc., incurred until delivery of the contracted Goods at the Purchaser's site i.e. designated place at Hydrogen Facility of NISE, Gurugram.
- c. **Applicable Law:** The Contract shall be interpreted in accordance to the laws of the Union of India and all disputes shall be subject to place of jurisdiction in Gurugram, Haryana.
- d. **Rejection Terms:** Incomplete/ conditional/ fax/ late quotation will be rejected summarily. The Deputy Director General, National Institute of Solar Energy reserves the right to reject any or all the quotations at his discretion without assigning any reason thereafter.

IV. Evaluation of Tenders: Bidders must provide adequate documentary proof in support of experience for successful service provided to customer and consolidated details as per Annexure -V and VI. These annexures will also be used to assess performance and credibility of the bidder. Without proper documentary support with respect to Annexures V and VI or even illegible hand written document in support of any claim, bids will not be considered for evaluation. Mere statement of “complied with” without proper reference shall not be acceptable. Financial bid shall be evaluated based on amount quoted for the job as per scope of work inclusive of all charges.

V. Amendment: NISE reserves the right, without being liable for any damages or obligation to inform the applicant, to amend the scope and requirements to reject any or all of the applications without assigning any reasons.

NOTES

- a) NISE, Gurugram will evaluate all the options and activities mentioned above and reserve the right to award the contract for the most feasible, suitable, cost effective option and activities where quality would be key for judgement to protect interest of Government.
- b) NISE, Gurugram reserves the right to accept or reject any or all applications without assigning any reasons.
- c) Offers with incomplete information are liable to be rejected, which may be noted.
- d) Information and supporting documents wherever necessary may be submitted as per Annexures.

-Sd-

Deputy Director General
National Institute of Solar Energy,
Gwal Pahari, Gurugram,
Haryana -122003, India

Annexure-I

*Bank Guarantee Format
for*

PERFORMANCE/SECURITY GUARANTEE

**National Institute of Solar Energy
Gurugram - Faridabad Road
Gwal Pahari
Gurugram – 122 003, Haryana
India**

Bank Guarantee No.

Dated:

This deed of Guarantee is made on ____ the day of _____ (write name of the month), 20____ by _____ (Write Bank name which is giving Bank Guarantee), having branch office at _____ (Write Bank Branch Office address), (hereinafter called “the Bank”), which expression shall unless repugnant to the context and meaning thereof includes its legal representatives, successors and assignees and National Institute of Solar Energy, having their office at Gurugram - Faridabad Road, Gwal Pahari, Gurugram – 122 003, Haryana, India (hereinafter called “the NISE”) which expression shall unless repugnant to the context and meaning thereof includes its legal representatives, successors and assignees.

Whereas NISE has awarded a supply contract bearing No. _____ (Purchase Order or Work Order No) dated _____ to M/s _____ (Write the Manufacturer/ Supplier Company Name here), having their Registered office at _____ (Write Company Regd office address), (hereinafter referred as “the Manufacturer/ Supplier”) for _____ (Write the description of the Purchase Order / Work Order) as per the said order.

AND whereas, the Manufacturer/ Supplier has agreed to submit a security/Performance in the form of a Bank Guarantee for Rs. _____ (Rupees _____ Only) to the NISE as per the Contract valid up to ___/___/20___ .

The Manufacturer/ Supplier have agreed to perform or fulfill the contract as per terms and conditions of the said order. In case, the Manufacturer/ Supplier fails to perform or fulfill the

contract as per the said order, the NISE is entitled to demand an amount equal to Rs. _____ (Rupees _____ Only) from the Manufacturer/ Supplier.

We, _____ (Bank Name), do hereby undertake and Guarantee to make payment to the NISE a sum of Rs. _____ (Rupees _____ only) in case the Manufacturer/ Supplier fails as per the said order.

Whereas, Bank's liability under this Bank Guarantee is restricted to Rs. _____ (Rupees _____ only) and it will remain valid till ____ / ____ / 20____ . Unless a claim or demand in writing is made against us under this Guarantee before that date, all rights of the NISE under this Bank Guarantee shall be forfeited and the Bank shall be relieved Page 22 of 23 and discharged from all liability there under. This guarantee shall automatically stand cancelled after the date of expiry as stated above notwithstanding the fact that the original guarantee document is returned to us by you or not.

NOTWITHSTANDING ANYTHING CONTAINED HEREIN: -

- a) Our liability under this Bank Guarantee shall not exceed to Rs. _____ (Rupees _____ only).
- b) This Bank Guarantee shall be valid up to ____ / ____ / 20____
- c) The Bank is liable to pay the Guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon a written claim or demand on or before ____ / ____ / 20____ .

Place.....

Signature

Date.....

Bank Seal

Bank Code No.

**Bank Details for the Purpose of issuing Performance Gurantee in the form of
FDR / BG**

Account Holder Name: **National Institute of Solar Energy (NISE)**
Gurugram - Faridabad Highway, Gwal Pahari Gurugram - 122 003,
Haryana
Tel: +91 124 285 3056; 3060

Bank Name: **State Bank of India**
Branch: **State Bank of India – Sector 56, Gurugram**

Address: 45-49 Centum Plaza, Sector 53
Gurugram - 122 002, Haryana

SB Account No. **33843408697**
IFSC Code: **SBIN0011443**
MICR Code: 110002460
SWIFT Code: SBININBB
Branch Code: 11443

NISE GST Details:

1. Address: **National Institute of Solar Energy**
Gurugram – Faridabad Road
Gwal Pahari; Gurugram – 122 003, Haryana
2. GST No: **06AAAJN0939P1ZR**
3. State Code: **06**

Technical Bid Format
(on-Company's Letterhead)
(e-submission)

Ref No.: **05/02/07/2018-19/HEFC/SPV/T-8**

Date:

Technical Bid

To
The Deputy Director General
National Institute of Solar Energy
Gurugram – Faridabad Road
Gwal Pahari; Gurugram – 122 003
Haryana

Subject: Request for Quotation for Supply, Installation and Commissioning of 150 kVA Solar Hybrid Inverter at National Institute of Solar Energy (NISE), Gurugram, Haryana

National Institute of Solar Energy (NISE) intends to procure, install and commission a battery bank under an R&D project supported by the Ministry of New and Renewable Energy, Government of India at its campus located at Gwal Pahari, Gurugram, Haryana, India. The purpose of procuring the battery bank is to provide power backup support to the hydrogen facility operation at this location.

1. Technical details:

Description	Specification	Remarks (if any)
Type of Inverter	Hybrid Inverter, Indoor	
Nominal Rating (kVA)	150 kVA	
Max PV input Power (V)	110 % of nominal power	
Control type	IGBT based	
Power Control	MPPT	
PV Input Voltage (V)	300 V - 600 V (At actual PV plant Module Vmp= 440V and Voc= 542V)	
Protection at DC & AC terminal	SPDs/MOVs	
Reverse polarity protection	Yes	
DC current isolation	Yes	

Output Voltage	400 V _{AC} (+10%, -15% V _{AC})	
Output Phase	3 Phase	
Output frequency	50 Hz (\pm 1.5 Hz)	
Total Harmonic Distortion (THD) for Voltage and Current	< 3 %	
Power Factor	System should cater capacitive and inductive load from PF 0.55 to PF 1	
Anti Islanding protection	Yes	
System Conversion efficiency	\geq 92 %	
Ambient temperature	0 °C to +50 °C	
Humidity	Up to 93 %	
Enclosure	Equal to or above IP 20/IP21	
Display on front panel	LCD based graphic display with keypad operator interface	
Front Panel indicators	Display visible from outside of enclosure	
Data logger	Inbuilt	
Data logging period	Minimum 30 days	
SCADA/ RTU	To be provided with a remote desktop at site office	
Provision for RS 232/RS 485 for remote monitoring	As per requirement	
Battery details to be matched	Available No. of Cells= 360 Nos. Preferred Voltage= 240V Capacity of Cells= 1500Ah	

Signature:

Name of the Representative Submitting the Bid:

Designation:

Company Seal:

2. Compliance to be provided:

Sr. No.	DESCRIPTION	Compliance by Tenderer Yes/No	Remarks if any
1	I have clearly understood the work and would be able to complete the work as per the Tender No. 05/02/07/2018-19/HEFC/SPV/T-8		
2.	I have required experience for carry out such work earlier.		
3.	I have provided details as per Annexure -V of the subject tender document in support of successful service provided to at least Five customers with relevant proof (Example: Govt., Autonomous Body, PSU, CSIR and Defence Laboratories) during last three years (i.e. 1st January, 2018 to 31st December, 2020)		
4.	I understand the fact, that without proper submission of supporting documents in support of Annexure – IV and V, bids will not be considered and NISE cannot be held responsible for the fact.		
5.	If contract is awarded, I would be able to submit the Performance guarantee as per Annexure –I of the RFQ No. 05/02/07/2018-19/HEFC/SPV/T-8 as applicable with in time.		
6.	I have provided the applicable certificate as per the Annexure- VI on the official letter-head of the organization		

Signature:

Name of the Representative Submitting the Bid:

Designation:

Company Seal:

Annexure-III

Price Bid Format
(on-Company's Letterhead)
 (e-submission)

Ref No. **05/02/07/2018-19/HEFC/SPV/T-8**

Date:

PRICE BID

To
 The Deputy Director General
 National Institute of Solar Energy
 Gurugram – Faridabad Road
 Gwal Pahari; Gurugram – 122 003
 Haryana

**Subject: Request for Quotation for Supply, Installation and Commissioning of 150 kVA
 Solar Hybrid Inverter at National Institute of Solar Energy (NISE), Gurugram,
 Haryana**

RFQ No: **05/02/07/2018-19/HEFC/SPV/T-8**

S No	Item	Total Price (in Rs)
1	Supply, Installation and Commissioning of 150 kVA Solar Hybrid Inverter at National Institute of Solar Energy (NISE), Gurugram, Haryana	
Grand Total		

Amount in words (Rs.)

Signature:

Name of the Representative Submitting the Bid:

Designation:

Company Seal

Annexure-IV**FORMAT FOR SUBMISSION OF BIDDERS DETAILS** (In BOLD letters)

1.	Name of supplier/bidder	
2.	Registered Address	
3.	Phone No /Fax No	
4.	Name of proprietor/CEO/ Chairman	
5.	Phone no/Mobile No	
6.	Internet messenger/skype	
7.	Email ID	
8.	Single Point Contact Person	
	Contact Person (Designation)	
	Phone No /Fax No	
	Email ID	
9.	Website	
10.	Bank related information	
	Bank name	
	Branch name	
	Bank address	
	Bank phone no.	
	Bank fax no.	
	Bank MICR Code (9 digit)	
	RTGS-IFSC Code	
	Account type	
	Account no	
	SWIFT Code etc. (if applicable)	
11.	PAN NO	
12.	GST number of firm	
13.	PAN/TAN & TIN of the firm	

****Fill available details, add copies of documents (like PAN, GST etc) and add more row if required***

I certify that the information given herein is correct to the best of my knowledge and belief.

Signature of Proprietor/CEO/Chairman

Seal of the company/concern.

Annexure-V

Performance Statement Form- [Services Provided by Bidder to Clients during last three years (period will be considered from 1st January, 2018 to 31st December, 2020)]

Name of Bidder: _____

Sl. No.	Order No & Date	Client Name (Ministry/ /Autonomous Body/PSU/CSIR Lab/Defence Labs etc.)	Client Contact Person (Phone/ e- mail)	Brief Description of Job/service offered	Value of Order (in INR)	Date of Completion (DD/MM/YYYY)		Satisfactory completion (Yes/No/if, pending, provide reason)
						As per contract	Actual	
1								
2								
3								
4								
5								

*The details provided above should be written in BOLD letters in a clear manner to read.

Signature of Proprietor/CEO/Chairman

Seal of the company/concern.

Annexure – VI

Model Certificate for Tenders (for transitional cases as stated in para 3 of Order F. No. 6/18/2019-PPD dated 23rd July, 2020)

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I hereby certify that this bidder is not from such a country and is eligible to be considered."

Model Certificate for Tenders

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached]"

Model Certificate for Tenders for Works involving possibility of sub-contracting

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Model Certificate for GeM:

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this vendor/ bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this vendor/bidder fulfills all requirements in this regard and is eligible to be considered for procurement on GeM. [Where applicable, evidence of valid registration by the Competent Authority shall be attached]"