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	नौएडा विशेष आर्थिक क्षेत्र प्राधिकरण
	(अधीनस्थ भारत सरकार)
	वाणिज्य एवं उद्योग मंत्रालय, वाणिज्य विभाग
	नौएडा दादरी रोड, फेस-2, नौएडा जिला गौतम बुद्ध नगर(उ०प्र०)
	ईमेल: dc@nsez.gov.in, वेबसाइट: www.nsez.gov.in
	टेलीफोन 120-2567268/69/70

Tender No. NSEZA/02/2017/E002 / 6.35 / 17/1/24 Dated...../2024

**NOIDA SPECIAL ECONOMIC ZONE AUTHORITY
(NSEZA)**

(A Government of India Statutory Body)

Ministry of Commerce & Industry,

Department of Commerce,

Govt. of India

Service Centre, Noida Special Economic Zone Authority

Noida Dadri Road, Phase-2

Noida

Tel. 3021444-46

Email ID- dc@nsez.gov.in

Fax: 0120-2567276, 0120-2562314

(Tender reference No. NSEZA/2024/E002)

e-Tender

for

**Repairing of Rooftop solar power system in various SDF Blocks
at NSEZ, Noida**

F. No.

Dated: 01.2024

NOTICE INVITING TENDER

Noida Special Economic Zone Authority (NSEZA) invites

percentage rate tenders under two bids system from eligible contractors for repairing of Rooftop solar Power generation system in Various SDF Blocks at NSEZ Noida as below:-

CRITICAL DATE SHEET

1	Published Date	17.01.2024
2	Bid Document Download/Sale Start date	17.01.2024
4	Bid Submission End Date (online)	07.02.2024 upto 11.00 AM
5	Offline submission Technical Bid	07.02.2024 upto 11.00 AM
6	Bid Opening Date (Technical)	08.02.2024 at 11.30 AM
7	Tentative date & time for opening Financial Bid of eligible Tenders	To be intimated later to technically eligible Bidder by email/registered post.
8	Cost of Tender Document	Rs.500
9	Bid Security	Rs.25000/-
10	Estimated cost of project	13,60,750/-
11	Validity of Bid	90 days
12	Completion period of Project	45 days
13	Mode of submission of bids	Online at ITI website www.tenderwizard.com/NSEZ as per schedule
14	Mode of tendering	Single Stage two Bid system Technical bid financial bid
15	Performance Security	Nil
16	Submission of performance security	Nil
17	Signing of Agreement	Within 07 days from Issue of LOA

***Tender documents can be seen/downloaded from the website www.tenderwizard.com/NSEZ or CPP Portal (under process) onwards.**

Address:

Kiran Mohan Mohadikar,
Secretary to the NSEZ Authority &
Deputy Development Commissioner
Noida Special Economic Zone,
Noida- Dadri Road, Phase-II, Noida – 201305, U.P.

Instruction to tenders

Instruction to tenders

1. Online percentage rate/item rate tenders are invited from experienced & eligible contractors for repairs to solar system installed on various SDF Blocks at NSEZ Noida in two bid system.
2. The estimated cost of work is Rs.13,60,750.00
3. The tender documents as uploaded can be seen on website www.tenderwizard.com / NSEZ or CPP Portal

4. **Bid Security**

Bid security of Rs. 25,000/- to be submitted By demand draft drawn in favour of NSEZ Authority payable at Noida.

The original draft to be submitted along with Hard Copy of Technical Bid and a Photocopy to be uploaded with online tender.

5. **Tender Fee:-** Cost of tender document is Rs.500/- A separate demand draft to be submitted drawn in favour of NSEZ authority Payable at Noida. The original demand draft to be submitted with Hard Copy of Technical Bid and a photo copy to be uploaded with online Bid.
6. The tender documents (Both online & offline) to be submitted before last date at time of submission as mentioned in tender document.
7. Before tendering the tenderers are advised to visit the site.

8. **Subject: Repairing Rooftop Solar System**

Description: The rooftop solar system in question is a 1000 KWP Grid-connected Solar PV Power Plant installed on the roofs of 12 Standard Design Factories(SDFs) within Noida Special Economic Zone(NSEZ). The solar power plant is designed to generate renewable energy for the facilities and contribute to sustainable energy practices.

Key Features of the Solar Power Plant:

- **Capacity:** 1000 KWP
- **Connection Type:** Grid-connected
- **Location:** Rooftop of 12 Standard Design Factories (SDFs) in Noida SEZ
- **Inverter Pannel:** ABB/ WAAREE
- **Inverter Capacity:** 50K W & 33 K W
- **No. of Inverter :** 50 K W 17Nos 33 K W 5 Nos

• **Scope of Work**

1. Replacement of damaged solar modules.
2. Repairs of 50KW and 33KW ABB Grid Tied inverters.
3. Replacement of ACDB, DCDB, and associated components.
4. Replacement of nut bolts, MC4 connectors, shed covers, and mounting structures.
5. Ensuring the optimal performance and structural integrity of the rooftop solar system.
6. Minimum warranty of above parts should be at least 1 years.

Major repairs:-

Several key issues were identified during the rooftop solar system assessment:

1. **Damaged Modules:**
 - 25 solar module in the system are damaged and need replacement.
2. **Inverter repairs:**
 - Both 50KW ABB Grid Tied and 33KW ABB Grid Tied inverters require repairs.
 - Four 50KW inverters and two 33KW inverters are affected.
 - Over-temperature issues observed in the 33KW inverters.
3. **ACDB Replacement:**
 - The AC Distribution Box (ACDB), rated IP65, requires replacement due to MCCB short circuits and the need for cable replacement.
4. **DCDB Repairs/ Replacement**
 - Three DC Distribution Boxes(DCDB), rated IP65, require either replacement or repair
5. **Nut Bolts:**
 - A shortage of 100 SS 304 nut bolts noted, necessitating replacement to ensure the structural integrity of the solar setup.

6. MC4 Connectors:

- 100 MC4 connectors are damaged and need replacement for optimal performance

7. Shed Covers:

- Seven shed covers measuring 15' X 3' are required to provide essential protection for the inverters.

10. Eligibility Criteria:-

- The Agencies who fulfil the following minimum eligibility requirements shall be eligible to apply.
- Eligibility Criteria:-

Should have completed the works as mentioned below during the last seven years ending previous day of last date of submission of tenders.

- Three similar works each costing not less than 40% of the estimated cost put to tender.

OR

- Two similar works each costing not less than 50% of the estimated cost put to tender.

OR

- One similar work costing not less than 80% of the estimated cost put to tender.

The "Similar works" shall mean Supply installation of solar power plants or repairs & Maintenance of solar power plants.

- Average annual financial turn over shall at least Rs. 01 crores during last three (03) years ending on 31.03.2023.
- Must have permanent EPF & ESIC registration
- It should be a profit making company for last 3 years.

11. Documents to be submitted (online as well as offline) in Technical Bid.

- List of similar works carried out by them for **Central/State Govt. Departments/Agencies** indicating i) Agency for whom executed ii) Value of Work iii) Completion time as stipulated and actual completion date. Completion certificate to be submitted as per eligibility criteria.
- Financial Turn Over certified by Chartered Accountant for last 03 years.
- Profit & Loss statement certified by Chartered Accountant for last 03 years.
- Registration Certificate, if any.
- TIN/GST registration certificate.
- PAN (Permanent Account Number) Registration, ESIC, EPF registration NO.

- G. Tender Fee (Original with Hard Copy & Photocopy to be uploaded online.)
- H. Bid security (Original with Hard copy & photocopy to be uploaded online).
- I. Tender acceptance letter.
- J. Technical Bid to be submitted at reception, Service centre, NSEZ Noida.

12. Financial Bid- to be submitted online as per format.

The Bidder meeting the eligibility criteria shall only be entitled for opening of Price Bid.

13. Tenders received without tender fee, bid security & requisite documents shall be rejected.

General Condition of Contract

1. **Security deposit:-** Security deposit shall be deducted from Bills of the contractor amounting to 3% (Three Percent) of each Bill. The Security deposit and Bid Security shall be released on successful completion of defect liability period.
2. **Defect-liability period:-** The contractors defect liability period shall be 12 months, which will start from date of Handing over after successful completion of work. Any defect observed during DLP shall be rectified By the contractor at his own cost.
3. **Payment:-** The contractor will submit Bill with all desired documents & test certificate with all measurements.
4. **Taxes:-** The Income tax and other taxes as applicable shall be deducted from the Bills of the contractor.
5. **GST:-** No GST is applicable for the work executed for NSEZ authority, Noida
6. **Time Period-** Work to be completed in all respect within the given time period. In case of delay, NSEZ may enforce LD amounting to 1 (one) percent of contract value for every month of delay subject to maximum of 5 % of contract value.
7. **Termination of Work:-** If work is delayed inordinately or if contractors fails to start the work within 7 day from LOA, the client is at Liberty to terminate the work/contract. All the dues of the contractor shall be forfeited on termination. The decision of NSEZ authority shall be final & Binding on the contractor.
8. **Deviation/variation:-** The quantities given in BOQ are tentative and may vary as per site condition. There is no any deviation limit. NSEZ authority have power to make any alterations in omission from, additions to or substitution for original specification, drawing & design and the same shall be carried out by the contractor on the same rate & condition in all respect.
9. **Extra Item:-** Any extra item not included in the BOQ, shall be paid as per market rates. The contractor shall submit detail justification & rate analysis for such extra items .
10. **Specification of Work:-** The contractor to follow instruction of NSEZ authority with regard to approval of materials. The work will be executed as per specifications. Since it is a repair work of existing system, the material used shall be as per requirement and in conformity with existing system.
11. **Safety & Insurance:-** The contractor shall be responsible to follow all safety norms. All necessary safeguard will be taken. The contractor shall also obtain suitable insurance under workmen compensation act.
12. **Labour laws:-** The contractor shall be responsible to follow all prevailing labour laws, ESIC & EPF requirements.

13. Temporary electric connection may be provided to contractor on chargeable basis. However, all materials, cable, meter etc to be arranged by contractor.
14. After completion of work, necessary testing & commissioning will be done by contractor and shall be got verified by clients before taking over.
15. Rates are firm and no escalation shall be payable.
16. Extension of time may be granted to the contractor, if work is delayed due to valid reasons.

Bills of Quantities & Financial Bid

Name of Work:- Repairing of Rooftop solar Power system in various SDF Blocks at NSEZ Noida

S. No	Item & Description	HSN	QTY	Per	Estimated Rate	Total amount
1.	Repairing Charges of Inverter 50KW ABB GRID TIED	1501	4	Nos.	74500.00	298000.00
2.	Repairing Charges of Inverter 33KW ABB GRID TIED	1501	2	Nos.	59500	119000.00
3.	Replacement Charges of Solar Module	8540	25	Nos.	19900	4,97,500.00
4.	Replacement Charges of ACDB 250A MCCB 4P With SPD	8536	1	Set	38500.00	38,500.00
5.	Replacement Charges of DCDB 8 in 8 Out	8536	3	Nos.	25500.00	76,500.00
6.	Replacement Charges of MC4 Connector	8536	100	Pair	50.00	5,000.00
7.	Installation of New Weather Shed 15'X3'.	9406	7	Set	23500.00	1,64,500.00
8.	Installation of New GI Nut Bolt with Double Washers	7308	100	Set	45.00	4,500.00
9.	Installation of New Structure HDG 5x2 Table	7308	4	Set	19500.00	78,000.00
10.						

	Installation of New DC Cable	8544	150	Mtr.	195.00	29,250.00
11.	Repair cum Installation & Commissioning Of Rooftop Solar Power Plant	9954	1	Set	50000.00	50,000.00
				Total Amount		13,60,750.00
12.	Quoted Amount					

TENDER ACCEPTANCE LETTER
(To be given on Letter Head)

To,
Shri Kiran Mohan Mohadikar,
Secretary to the NSEZ Authority &
Deputy Development Commissioner
Noida Special Economic Zone,
Noida- Dadri Road, Phase-II, Noida – 201305, U.P.

Sub: Acceptance of
Terms & Conditions
of Tender. Tender

Reference No:

Name of Tender / Work: - TENDERS FOR repairing of Rooftop solar power system in various SDF Blocks of NSEZ, Noida.

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely _____ (under process) as per your advertisement, given in the above-mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organization too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above

- mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.
 6. I / We certify that all information furnished by our Firm is true & correct and, in the event, that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

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FORMAT FOR FINANCIAL BID

S.No	Description of Schedule	Cost in %
1.	Total BOQ amount	Rs. 13,60,750.00
2.	Tender Premium +/- in percentage	+ - -----% on estimated cost
3.	Amount of Tender Premium	+ - Rs.....
4.	Net quoted amount Rupees in words (1+3)	+ - Rs.....
	Rupees in words	-.....

Note:

1. In case discrepancy in figure & word, the amount mentioned in Figure will prevail.
2. The cost shall be filled in with indelible ink or be type written.
3. The above quoted cost covers all items of the work as detailed in the scope of work, as well as conforming to all specifications and stipulations laid down in the Bid documents including all addenda/corrigenda thereof till date of submission.
4. The actual cost shall be considered as per tender condition
5. I/We have read the general Condition of Contract, Tender documents attached hereto and agree to abide by such condition.

(Signature with seal)

