

## QUOTATION NOTICE

Quotation No. 2427/2024/KDISC

Date: 21.08.2024

Kerala Development and Innovation Strategic Council (K-DISC) invites sealed quotations from eligible and experienced manufacturers/suppliers to supply NMC 811 cathode material for Electric Vehicle (EV) LTO battery manufacturing in the State EV Consortium. The details are given below:

Sl. No	Particulars	Descriptions
1	Brief description of item (s)	NMC 811 raw material/powder for LTO - NMC cell.
2	Unit (Quantity) (Pack Size: ½ to 1 kg / Pack)	10 kg
3	Tender Type	Limited Tender
4	Currency	Indian Rupees
5	Delivery Supply date	15 days from date of purchase order
<b>Critical Date Sheet</b>		
6	Date of Tender Publishing	21/08/2024
7	Bid Submission Start Date	21/08/2024, 10:00 am
8	Bid Submission End Date	05/09/2024, 05:00 pm
9	Bid Opening Date	06/09/2024, 04:00 pm
10	Designation and address of officer to whom the quotation is to be addressed	The Senior Procurement Manager, Kerala Development and Innovation Strategic Council (K-DISC), India Heights Building, Govt Women's College Road, Vazhuthacadu, Thycadu P O Thiruvananthapuram, Kerala For more details: 9188617402, 8547510783 <a href="https://kdisc.kerala.gov.in/en/">https://kdisc.kerala.gov.in/en/</a>

Any quotation received after the time fixed on the due date is liable to be rejected.

The acceptance of the quotations will be subject to the following conditions:

1. Acceptance of the quotation based on the technical specifications attached in Annexure I constitutes a concluded contract.
2. Award of the purchase order will be based on meeting specifications and at the lowest quoted cost.

3. The prices quoted should be inclusive of all taxes, duties, cesses, etc., which are or may become payable by the contractor under existing or future laws or rules of the country of origin/supply or delivery during the contractual delivery period.
4. 100% payment will be made on the signed bill submitted in the name of the Member Secretary, K-DISC after inspection and acceptance of the material.
5. Any transit damage/loss of material shall be covered by the supplier with proper replacement or insurance coverage provided by the supplier.
6. The quotation, including the material specifications, should be provided in the format outlined in Annexure I, along with the details specified in Annexure II.
7. Any attempt on the part of tenderers or their agents to influence the Officers concerned in their favour by personal canvassing will disqualify the tenderers.
8. The sealed quotation must be submitted on or before 05/09/2024 by 5:00 PM.

Place: Thiruvananthapuram

Sd/-

Date: 21.08.2024

**Member Secretary**

## Annexure I

**Item with specifications**

**NMC 811 raw material/powder for LTO - NMC cell**

**NMC 811 Data Sheet**

Sl. No.	Description	Demand Requirements	Bidder Specifications
	<b>Grade</b>	NMC 811	
1	<b>Chemical Composition</b>	$\text{LiNi}_{0.8}\text{Mn}_{0.1}\text{Co}_{0.1}\text{O}_2$	
a	H <sub>2</sub> O (ppm)	< 250	
b	Metallic impurity (Fe, Cr, Zn) (ppb)	<100	
c	Other impurity (Na, Ca, etc) ppm	< 50	
d	(LiOH+Li <sub>2</sub> CO <sub>3</sub> ) in %	< 0.5	
e	Dopants/Coating	Suitable coating to be given to address capacity fading	
2	<b>Physical Properties</b>		
a	D10 (μm)	6.0 ± 1	
b	D50 (μm)	12 ± 1	
c	D90 (μm)	< 23.0	
d	Tap Density (g/cm <sup>3</sup> )	≥ 2.70	
e	Specific surface area (BET) (m <sup>2</sup> /g)	0.6 ± 0.1	
3	<b>Electrochemical characteristics</b>		
a	Specific Capacity - (mAh/g) @ (0.1C charge, 0.1C discharge (3.0V - 4.3 V))	>200	
b	1st cycle irreversible capacity loss (%)	<10	
c	Cycle life: Party may provide cycle life details @ different rates.		

Note: The package should be in ½ to 1 kg / Pack, and it should be properly sealed to prevent moisture ingress.

## **Annexure II**

### **PARTICULARS TO BE FILLED BY THE BIDDER**

1. Name of the Bidder:
2. Complete Address of the Bidder:
  - a. Full Name:
  - b. Complete Postal Address:
  - c. Mobile No.:
  - d. E-mail:
3. Name of full address of the manufacturer
  - a. Full Name:
  - b. Complete Postal Address:
  - c. Mobile No.:
  - d. E-mail:
  - e. Website Address:
4. Whether the quotation is being submitted as a manufacturer or supplier
5. Manufacturing Type [Please √]:  Import  Indigenous  Both
6. Country of Origin:
7. Any other relevant information:
8. Bank Details
  - a. Name of the Bank:  
Name of the Branch:
  - b. Account Number:
  - c. Name of the Account Holder
  - d. IFSC Code:
  - e. PAN Number
  - f. GST No:

**Authorized Signature and Stamp of Bidder.**