

**BRAHMAPUTRA VALLEY FERTILIZER CORPORATION LIMITED**  
(A GOVT. OF INDIA UNDERTAKING)  
**NAMRUP**



**Please reply to:**  
Dy. General Manager (MM)  
BVFCL, Namrup  
P.O. Parbatpur – 786 623  
Dist. Dibrugarh (Assam), India

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website: [www.bvfcl.com](http://www.bvfcl.com), CIN No: U24123AS2002GOI006786 GST No : 18AABCB9399RIZK

To, \_\_\_\_\_  
M/s. \_\_\_\_\_

**NOTICE INVITING TENDER**

- |                          |   |
|--------------------------|---|
| 1. NIT NO                | : AN/2022/64A-06/121/RC/Enq:0118        |
| 2. DATE OF ISSUE         | : 19.04.2022                            |
| 3. TYPE OF BID           | : Two Stage – OPEN TENDER               |
| 4. BID OPENING           | : 18.05.2022, 03:30 PM                  |
| 5. EARNEST MONEY DEPOSIT | : Rs. 5000 ( Rupees Five Thousand only) |

**BRAHMAPUTRA VALLEY FERTILIZER CORPORATION LIMITED, NAMRUP INVITES SEALED BIDS IN TWO-STAGE FOR SUPPLY OF THE FOLLOWING ITEMS AS PER ANNEXURE- A,B and I&II:**

Sl. No.	DESCRIPTION	QUANTITY
1.	<b>110V DC, 400Ah Sealed, maintenance free Valve Regulated Lead Acid Battery (VRLA) set consisting of 55 nos. (one set) of cells</b> each of 2V as per relevant IEC 60896-21 & 22; IS 15549:2005 (conforming to the latest amendment), deep discharge capacity with filled in electrolyte, factory charged and in ready-to-use condition along with inter cell connectors, MS stackable Modules and other Standard accessories for indoor installation  Technical Specifications – Annexure A, Guaranteed Technical Particulars - Annexure B, Notings	<b>01 (One) Set ( 55 Cells)</b>

**SPECIAL TERMS & CONDITIONS.**


1. The bid will include / indicate the following:
  - a) The complete scope of supply conforming to the specifications stipulated above and at Annexure A, B and I & II
  - b) Basic Price, Packing & Forwarding charges, if any. The applicable GST and any other applicable charges.
  - c) The mode of transportation and charges thereon for delivery of the materials at Namrup, Assam.
  - d) Acceptance of terms of **payment within 30 days after receipt and acceptance of the materials** at site.
  - e) Confirmation that the firm prices have been quoted.
  - f) Confirmation of the bid **validity for 90 days** from the bid opening date.
  - g) You shall suitably pack the materials to avoid any damage during transit.
  - h) Please clearly indicate PAN/ GST No. in your quotation.
  - i) Acceptance of all other terms & conditions of Annexures.
  - j) Please confirm that you shall **furnish detailed Technical Specifications, Drawings along with the bid.**
  - k) **Please confirm that the material shall be Guaranteed for a period of 18 months** from the date of receipt or for 12 months from the date of commissioning whichever is earlier, against defects and poor performance. If any defected material is found, it shall have to be replaced without extra cost to the purchaser. A certificate to this effect shall accompany along with the supply.
  - l) Confirmation of furnishing **Security Deposit cum Performance Bank Guarantee @3%** of the order value valid for the entire Guarantee period + delivery period + claim period of six months as per Clause No.16 of Annexure-I of the NIT.
  - m) Bidders must furnish **"MAKE"** of the item and **Authorization Certificate along with their bid.**
  - n) Confirmation of furnishing **NIT along with Annexures, duly signed and stamped** with office Seal in each page by the tenderers or his legal representative as a token of acceptance of the Terms and Conditions mentioned therein has to be submitted.

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2. Bidder must submit techno-commercial bid and price bid in two separate- sealed envelopes as per Clause No. 1.3 of Annexure- I. Price Strictly to be mentioned in the Price Bid, if the price quoted in the Techno Commercial Bid, then the bid will not be considered.
3. Your Tender quotation must be accompanied by Earnest Money Deposit for an amount of Rs.5000.00 in the form of a crossed Demand Draft/Bank pay challan only in favour of Brahmaputra Valley Fertilizer Corporation Limited, payable at Namrup on any scheduled Bank payable at Namrup.
4. Techno-commercial bid will be opened on stipulated date and time. The price bid will be opened only of the techno-commercially acceptable bidder and the same will be notified to them
5. In order to comply with newly introduced rule under Section 206AB provision w.e.f. 01.07.2021, to assess the Income-tax return filing status and to ensure that TDS is deducted at appropriate rate, the successful bidders have to submit us a declaration in the prescribed format along with the tax Invoice at the time of supply only.
6. The parties who are not registered as pre-qualified vendor of BVFCL will submit the documents pertaining to the eligibility criteria.  
New tenderers are requested to furnish self-certified documentary evidence in support of qualifying requirements of their tenders as stipulated below:
  1. Experience & Past Performance of similar contract for last 2 years.
  2. Capability with respect to Personnel, equipment and manufacturing facilities.
  3. Financial standing through Annual Report (Balance sheet and profit & loss account) of last 3 years.
  4. Statutory requirement such as GST, PAN, TAN, TIN, ESI, Labour Licence no. EPF registration no. etc wherever applicable.
7.
  - a. MSEs shall be given the benefits as per Govt. Guidelines.
  - b. SC/ST owned enterprises registered with MSME shall submit relevant SC/ST certificates and registration should remain valid at the time of bidding.
  - c. Micro and Small Enterprises (MSEs) and the firms registered with concerned Ministries/ Departments are exempted from submission of Bid Security. Bidders shall sign the **BID declaration form** in lieu of Bid Security as per enclosed format in **ANNEXURE III** of the tender documents, failing which the tenderer / bidder will stand disqualified from the tendering process and the bid of the bidder is rejected.
8. In case you are not interested to participate against our NIT, kindly furnish a Regret Letter stating reasons for the same.
9. Goods bearing ISI mark will be given preference.
10. Materials shall be packed properly to avoid any damage during transit.
11. We are ISO certified company and it is expected that the materials supplied by you is manufactured in an environmental friendly way.
12. BVFCL is committed to a corruption free work environment. "All the above purchases, services and commitments of BVFCL will be honoured without the citizen having to pay any bribe". In case any person demands any bribe, it is the duty of the responsible to inform the matter to vigilance office, BVFCL, Namrup, P. O. Parbatpur, Dist. Dibrugarh, Assam PIN; 786623. (Tel no: 0374-2507092 / 0374-2507167).

Enclosures: Annexure – A, B and I&II

Yours faithfully,  
For and on behalf of  
Brahmaputra Valley Fertilizer Corporation Ltd.

  
(V.K. Tamboli)  
Deputy Materials Manager



**TECHNICAL SPECIFICATION OF SEALED, MAINTENANCE FREE VALVE REGULATED LEAD ACID BATTERY (VRLA) SET (110 VOLTS DC, 400 AH AT 10 HOURS DISCHARGE RATE)**

Sl. No.	Description	Battery Details
01	Battery Rating	110V-400Ah at C10 to 1.75ECV at 27°C
02	Type of Battery	Maintenance free valve regulated Lead Acid Battery
03	Cell capacity	400 Ah at 10 hour rate to 1.75 ECV at 27°C
04	No of cells	55 Cells
05	Applicable standards	IEC 60896-21 & 22 ; IS 15549:2005
06	AH Efficiency	Min 95%
07	WH Efficiency	Min 85%
08	Self discharge	<0.5% per week at 27°C
09	Design float life	20 years at 27°C on float under recommended charging
10	Design cycle life	1200cycles at 80% DOD at 27°C 4000cycles at 20% DOD at 27°C
11	Recommended charging & Charger settings	
	(a) For float application	Constant potential with current limited to 0.2C10 A Float charging: 2.250±0.005V/Cell at 27°C Boost charging: 2.300±0.005V/Cell at 27°C
	(b) For Cyclic application (PSA II and PSA III)	Constant potential with current limited to 0.2C10 A Float Voltage: 2.270±0.005V/Cell at 27°C Boost Voltage: 2.350±0.005V/Cell at 27°C
	(c) Change over from Float to Boost	Current drawn by the battery is ≥3% of its capacity
	(d) Change over from Boost to Float	Current drawn by the battery is ≤1% of its capacity
12	Operating temperature range	-20°C to 55°C
13	Grid Alloy	Lead alloy with special additives
14	Container & Lid Material	Poly propylene co-polymer
15	Sealing Method	Heat sealing
16	Safety Vent	Self resealing, pressure Regulating Valve with Flame arrestor
17	Ventilation	Normal ventilation
18	Plate Type	Flat pasted
19	Separator	Absorbent Glass Mat (AGM)
20	Terminals & ICC	Lead plated brass & copper ICC's with PVC Sleeves
21	Cell enclosure	Steel enclosures with Acid Resistance Epoxy powder coating
22	Mounting	Mounting beam with acid resistance coating
23	Marking	<ul style="list-style-type: none"> <li>• Manufacturer's type and trade name</li> <li>• Type of container and standard AH capacity as per IS</li> <li>• Polarity marking as per relevant IS</li> </ul>

## 1. APPLICATION

The device shall be installed in indoor location within the Battery Room of Ammonia-III Plant to Provide Auxiliary DC Power Supply for following applications:

- a) Emergency power/lighting
- b) Circuit breaker/ switchgear/ protective relay operations
- c) Equipment supervision indication/DCS
- d) Audio visual annunciation.

Under normal conditions, Auxiliary DC Power Supply for continuous load will be met from the Battery Charger and Storage batteries should be kept under float or boost charging condition.

But in case of Circuit Breaker/ Switchgear/ Protective Relay operation and/ or in the event of failure of incoming power supply to Battery Charger, required Auxiliary DC Power Supply shall be met from Storage Batteries.

## 2. TESTS

### 2.1. General

The equipment and accessories shall be subjected to all type, routine and acceptance tests in accordance with provisions contained in relevant standards

### 2.2. Type Tests

The Bidder shall have to submit along with their Tender documents, as pre-requisites, the complete Type Test Reports, as stipulated in the relevant IS/IEC, carried out within 5 years from the due date of Tender, from CPRI/NABL accredited/Govt. recognized Test House or Laboratory.

### 2.3. Routine Test

Routine Test shall have to be carried out in compliance with the provision made in the relevant standards at the works of the manufacturer.

## 3. Test Certificate

Type Test Certificate(s) complete in all respect and conducted on similar equipment, shall have to be submitted, in triplicate, along with the Tender.

Six (6) copies of Routine Test Report conducted on offered equipment shall be furnished at the time of delivery.



**GUARANTEED TECHNICAL PARTICULARS**

Bidders shall furnish Guaranteed Technical Particulars of the equipment offered in the enclosed Blank Format. Performance Guarantee will be based on the Guaranteed Technical Particulars.

**SCHEDULE OF GUARANTEED TECHNICAL PARTICULARS OF SEALED, MAINTENANCE FREE VALVE REGULATED LEAD ACID BATTERY (VRLA) SET 110 VOLT D.C. 400 AH AT 10 HRS. DISCHARGE RATE**

(TO BE SUBMITTED WITH THE OFFER DUTY FILLED IN AND SIGNED BY THE TENDERER)

Sl. No.	Particulars			
1.	Name and Address of the Manufacture			
2.	Application standards			
3.	Type & Designation as per standards			
4.	Manufacturer's type and designation			
5.	Capacity and voltage at 27°C	<u>AH</u>	<u>WH</u>	<u>Final voltage in volts</u>
	a) At 10 hrs. rate of discharge			
	b) At 5 hrs. rate of discharge			
	c) At 3 hrs. rate of discharge			
	d) At 1 hrs. rate of discharge			
	e) At 5 minute rate of discharge			
6.	Cell details			
	a. Type of positive plate			
	b. Type of negative plate			
	c. Total no. of plates per cell			
	d. Rated current of each positive plate :			
	e. Overall dimension of cell in mm (including Cell height)			
	f. Weight of each of cell in kg.			
7.	Sealing Method			
8.	Nominal cell voltage in volts :			
9.	Recommended rate of first charging battery cells			
		Start	Finish	
	1. Current in amps			
	2. Voltage in volts			
	3. Total minimum input during initial charging in AH			
10.	Recommended float charge rate			

11.	Recommended float charge voltage across the battery terminals	
12.	Recommended boost charge voltage across the battery terminals	
13.	Guaranteed AH efficiency at 10 hr. rate of discharge	
14.	Guaranteed WH efficiency at 10 hr. rate of discharge	
15.	Internal Resistance of charged cell in milliohm	
16.	Resistance of the charged battery including inter connector between the cell in ohms	
17.	Short Circuit Current for dead short circuit across the battery terminals when	
	1) Battery in floating mode	
	2) Battery in boost charge mode	
18.	Cell voltage characteristics curves during charging at 0.5 1.0 and 1.5 times normal rate (to be furnished along with tender in triplicate)	
19.	Battery layout arrangement (to be furnished along with the tender in triplicate)	

## NOTINGS

1. Bidder must quote buy back price (unit rate) of the existing Old (55 cell 400 Ah VRLA make Exide) batteries.
2. Confirmation of furnishing **Test Certificates and Guarantee Certificate** at the time of delivery of the materials.
3. Bidder shall **furnish catalogues/ brochures** containing detail specifications of the materials offered as per **specifications given in Annexure –A & B along with mounting and connection diagrams and Instructions.**

#### 4. **DRAWING AND MANUALS**

Bids shall include following Drawings in triplicate:

- a. General Arrangement drawing with dimension and cross sectional drawing of single cell showing details of different components.
- b. General Arrangement drawing showing details of placement of batteries in battery stand as well as layout of rack with details of components.

#### 5. **Tender Manual**

Bids shall include following manuals and leaflets in triplicate

- a. Instruction, commissioning, operation and maintenance manual
- b. Descriptive leaflets showing characteristics of battery.

The manual shall clearly indicate the installation and preservation methods, check-ups and tests to be carried out before during and after commissioning of the equipment.

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