

TENDER DOCUMENT

REPLACING THE BATTERIES OF 60UKVA PS



BAHRIA UNIVERSITY

H-11 CAMPUS ISLAMABAD

NOTE-1: Bids are to be furnished on the Bid Form and Schedule of prices given in Section v of this document. Any bid not following the format may be considered non responsive and may be rejected.

NOTE-2: Efforts have been made to avoid errors and omissions while preparing these tender documents. However, errors or omissions may creep in while editing or processing for computerization and printing. Any such error, discrepancy or omission may be brought to the notice of Bahria University, which shall rectify/correct the same. University shall not be responsible, directly or indirectly, for any consequences, damage or loss, of action consequential or incidental, to anyone, of any kind in any manner, resulting from typographical errors or omissions.

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Tender Item

Item: 12V, 150Ah Rechargeable Maintenance-Free VRLA Battery

Quantity: 32 Nos.

Application: UPS / Backup Power System / Critical IT Infrastructure / IT Labs / Staff

Battery Technology: Sealed Maintenance-Free Valve Regulated Lead Acid (VRLA), AGM technology

Configuration: 12V monopoly battery

Capacity: Minimum 150Ah at 10-hour rate (C10), at 20°C/25°C

New and unused: Mandatory

Detailed Technical Specifications

Parameter	Minimum Required Specification
Battery Type	Sealed Maintenance-Free VRLA battery
Technology	AGM (Absorbent Glass Mat)
Nominal Voltage	12V DC
Rated Capacity	150Ah minimum at C10 rate
Number of Cells	6 cells per battery
Cell Voltage	2V nominal per cell
Construction	Sealed, rechargeable, valve-regulated lead-acid
Electrolyte	Absorbed in AGM separator; no free-flowing electrolyte
Maintenance	Completely maintenance-free under normal operating conditions; no routine water topping required
Recombinant Design	Oxygen recombination / low-gassing design
Terminal Type	Heavy-duty threaded terminal, suitable for UPS/high-current applications
Terminal Size	M6/M8 or equivalent heavy-duty terminal arrangement
Container Material	High-strength ABS or equivalent industrial-grade flame-retardant battery housing
Capacity Test	Capacity shall be verifiable at the specified C10 discharge rate
Self-Discharge	Low self-discharge; preferably $\leq 3\%$ per month at 20–25°C

Specifications for UPS of 60 KVA Batteries

Parameter	Minimum Required Specification
Operating Temperature	Approximately -5°C to +50°C or wider
Recommended Charging Temperature	20–25°C
Float Charging	Suitable for continuous float/standby operation
Cycle Capability	Suitable for repeated discharge/recharge operation
Internal Resistance	Low internal resistance suitable for UPS/high-current discharge applications
Deep Discharge Recovery	Battery shall have good recovery characteristics following discharge
Venting	Pressure-regulated safety valve / controlled venting
Spill Protection	Sealed construction with no normal electrolyte leakage
Installation	Suitable for UPS, emergency power, IT/server infrastructure, IT Labs and standby power systems
Orientation	Suitable for normal upright installation; sealed design shall prevent electrolyte leakage
Design Life	Minimum 5 years design life under manufacturer-specified standby/float conditions, or better
Standards	IEC 60896-21/22 or latest applicable equivalent standard
Safety	Battery shall incorporate pressure-relief valve and protection against abnormal internal pressure
Certifications	Manufacturer shall provide applicable test/certification documentation where claimed
Dimensions	Must be suitable for the existing UPS/battery rack; bidder shall state exact L × W × H
Weight	Bidder shall state actual battery weight in kg
Country of Origin	To be clearly declared
Manufacturer	To be clearly declared by bidder
Model/Part No.	To be clearly declared by bidder
Manufacturing Date	To be clearly declared
Warranty	Minimum 12 months from date of commissioning
BRAND	LEOCH/EQUIVALENT

Manufacturer and Model Declaration

The bidder must provide:

1. Manufacturer's name.
2. Exact model/part number.
3. Country of origin.
4. Manufacturer's technical datasheet.
5. Manufacturer's catalogue/reference document.
6. Battery manufacturing date.
7. Batch/lot number.
8. Serial number(s), where applicable.
9. Warranty certificate.

Bahria University reserves the right to verify the quoted model, specifications, manufacturing origin and authenticity directly from the original manufacturer or its authorized regional representative.

Manufacturing Date Condition

The batteries supplied shall be fresh production stock and shall not be older than one year from the date of manufacture at the time of delivery. Batteries manufactured more than one year prior to delivery shall not be accepted without prior written approval of the Bahria University H11 Campus IT Department.

No Refurbished / Reconditioned Batteries

All batteries shall be brand new, unused, genuine and factory manufactured.

Refurbished, reconditioned, repaired, used, old-stock, locally assembled or previously installed batteries shall not be acceptable.

Authenticity Verification

Bahria University reserves the right to verify the authenticity of supplied batteries from the original manufacturer, manufacturer's authorized representative, distributor or other officially verifiable source. The bidder shall provide all necessary information, including manufacturer, model number, serial/batch number, country of origin and supporting documentation, for such verification.

And:

Specifications for UPS of 60 KVA Batteries

If any supplied battery is subsequently determined to be counterfeited, cloned, refurbished, reconditioned, tampered with or materially different from the quoted/approved model, the Bahria University shall have the right to reject the battery and take action under the applicable terms of the contract/procurement rules.

Manufacturer Authorization

The bidder shall preferably be an authorized distributor/dealer/reseller of the quoted manufacturer, or shall provide documentary evidence establishing a legitimate supply channel for the quoted product.

Previous Experience

The bidder must have at least three (03) years of relevant experience in supply of UPS batteries, industrial batteries, VRLA/AGM batteries, data-center/telecommunication power systems or similar critical power equipment.

And

The bidder shall provide details of at least three (03) relevant supplies executed during the last five (05) years, preferably involving UPS, data centers, universities, government/semi-government organizations, telecom operators, banks, hospitals or other organizations having critical power infrastructure.

Delivery — Maximum 14 Days

Delivery Period: The complete quantity of 32 batteries shall be delivered within fourteen (14) calendar days from the date of issuance of Purchase Order/Letter of Award, or as otherwise specified in the Contract.

Delivery Delay / Liquidated Damages

In case of delay in delivery beyond the stipulated delivery period, liquidated damages/late delivery charges shall be imposed as specified in the contract, subject to the applicable PPRA rules and approved procurement terms.

Inspection Before Acceptance

Bahria University shall inspect the batteries upon delivery before acceptance. Inspection may include verification of manufacturer, model, serial/batch number, manufacturing date, physical condition, dimensions, terminal configuration, capacity documentation and other specified technical parameters.

Capacity / Performance Testing

Bahria University reserves the right to conduct or arrange capacity/performance testing of supplied batteries through its authorized technical personnel or an independent laboratory/technical agency.

And:

If any battery fails to meet the specified capacity or technical requirements, the supplier shall replace the defective/non-compliant battery at its own cost within the period specified.

Battery Compatibility

The bidder shall ensure that the offered batteries are technically compatible with the existing UPS/battery charging system (60 KVA Deutsche Power) and battery bank configuration.

Warranty

Minimum warranty: 12 months from the date of commissioning/acceptance.

During the warranty period, any battery found defective due to manufacturing defect, premature failure or non-conformity with the quoted specifications shall be replaced with a new and genuine battery at the supplier's cost, including transportation and associated expenses.

Price Should Include Everything

The quoted unit price shall include all applicable taxes, duties, transportation, loading/unloading, delivery to the designated premises, during transportation and any other charges necessary for complete delivery of the required batteries.

Qualification Documents

Mandatory bidder documents

1. Valid NTN certificate.
2. Valid STRN/GST registration, where applicable.
3. Company registration/incorporation documents.
4. Manufacturer/distributor authorization or evidence of legitimate supply channel.
5. Manufacturer's technical datasheet.
6. Technical compliance statement.
7. At least three relevant purchase orders/contracts/references.
8. Affidavit/undertaking regarding authenticity and genuineness.
9. Undertaking regarding delivery within 14 days.
10. Warranty Card

NOTE; The bidder shall submit all required warranty documents, complete supporting documents pertaining to the battery specifications as specified in the bidding documents, and the original CDR along with the technical and financial bids in sealed hard-copy form. Failure to submit the original CDR shall result in rejection of the bid.