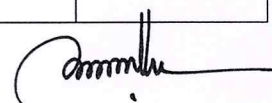
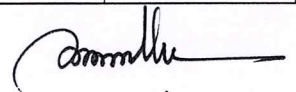


**TECHNICAL SPECIFICATION FOR PROCUREMENT OF HAND/ PORTABLE POWER UNIT, QTY-04  
FOR AIRCRAFT/ HELICOPTER IN FY 2026-2027**

| Ser No | Nomenclature/<br>Description | Specification Specified                                                                                                                                                                    | To be filled<br>up by the<br>principal/<br>manufacturer                                                                                 |
|--------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 1.     | <b>Name of the Item</b>      | Hand/Portable Power Unit for aircraft/helicopter.                                                                                                                                          |                                                                                                                                         |
| 2.     | <b>Purpose / Utility</b>     | For providing external DC power to start the aircraft/helicopter (L-410 aircraft, MI-17 series helicopter, Bell-212, AW-139 helicopter, AW-119 helicopter, Grob-120TP aircraft) on ground. |                                                                                                                                         |
| 3.     | Brand                        | To be mentioned by the bidder                                                                                                                                                              |                                                                                                                                         |
| 4.     | Model                        | To be mentioned by the bidder                                                                                                                                                              |                                                                                                                                         |
| 5.     | Country of origin            | USA/UK/EU Countries.                                                                                                                                                                       |                                                                                                                                         |
| 6.     | <b>Specification</b>         | <b>Output Voltage</b>                                                                                                                                                                      | 28 Volt DC                                                                                                                              |
|        |                              | <b>Type of Battery</b>                                                                                                                                                                     | Lithium-Iron Phosphate (LFP), maintenance-free, deep-cycle, long-life (≥3000 charge/ discharge cycles)                                  |
|        |                              | <b>Battery Management</b>                                                                                                                                                                  | Integrated Battery Management system (BMS)                                                                                              |
|        |                              | <b>Battery Management system (BMS) Protection</b>                                                                                                                                          | Over Charge, over discharge, over current, short circuit, cell imbalance and thermal protection.                                        |
|        |                              | <b>Capacity @ 28V</b>                                                                                                                                                                      | Minimum 50 Ampere (25+25) twin battery system @ 10-12 hours rate.                                                                       |
|        |                              | <b>Maximum ampere</b>                                                                                                                                                                      | 4000 Ampere (Maximum Short circuit current)                                                                                             |
|        |                              | <b>Output power cable for each Power unit</b>                                                                                                                                              | a. Heavy duty, 4000 Amperes, 2.5 meters or standard long flexible cable.                                                                |
|        |                              |                                                                                                                                                                                            | b. Fitted with NATO standard 3 pin aircraft connector                                                                                   |
|        |                              |                                                                                                                                                                                            | c. The output Power Cable must be aviation-grade, high current, oil/fuel/abrasion-resistant and covered with insulated rubber material. |
|        |                              | <b>Power ON/OFF</b>                                                                                                                                                                        | Power ON/OFF switch with LED indication light.                                                                                          |
|        |                              | <b>Charger</b>                                                                                                                                                                             | a. Electronically controlled fixed AC input charger                                                                                     |
|        |                              |                                                                                                                                                                                            | b. Charging time not more than 4 hours from fully discharged condition                                                                  |
|        |                              |                                                                                                                                                                                            | c. Charger input voltage: 100-240V AC, 50/60 Hz.                                                                                        |
|        |                              |                                                                                                                                                                                            | d. Output voltage: Maximum 28.5 V                                                                                                       |
|        |                              |                                                                                                                                                                                            | e. Charging output current: Minimum 8A or OEM recommended fast charging system.                                                         |
|        |                              | <b>Charging indicator</b>                                                                                                                                                                  | Charging control LED                                                                                                                    |
|        |                              | <b>Voltmeter/ Ammeter</b>                                                                                                                                                                  | Standard digital voltmeter & ammeter display                                                                                            |



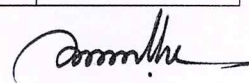
| Ser No | Nomenclature/<br>Description                                                                            | Specification Specified                                                                                                                                                                                                                                                      |                                                                                                         | To be filled<br>up by the<br>principal/<br>manufacturer |
|--------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
|        |                                                                                                         | <b>Reverse polarity protection</b>                                                                                                                                                                                                                                           | Reverse polarity protection (if required)                                                               |                                                         |
|        |                                                                                                         | <b>Voltage indication</b>                                                                                                                                                                                                                                                    | Digital indicator minimum IP65                                                                          |                                                         |
|        |                                                                                                         | <b>Operating temperature</b>                                                                                                                                                                                                                                                 | Should be capable of operating within 0°C to + 55°C temperature                                         |                                                         |
|        |                                                                                                         | <b>Case</b>                                                                                                                                                                                                                                                                  | a. Leak-proof stainless-steel case with golden yellow gloss color with carrying bag                     |                                                         |
|        |                                                                                                         |                                                                                                                                                                                                                                                                              | b. All weather protected with anti-corrosive treatment, capable to operate in hot and 100% humid region |                                                         |
|        |                                                                                                         |                                                                                                                                                                                                                                                                              | c. Air transportable                                                                                    |                                                         |
|        |                                                                                                         |                                                                                                                                                                                                                                                                              | d. Non-Hazardous                                                                                        |                                                         |
|        |                                                                                                         |                                                                                                                                                                                                                                                                              | e. Option of cells replacement on Condition                                                             |                                                         |
|        |                                                                                                         | <b>Circuit protection</b>                                                                                                                                                                                                                                                    | Circuit breaker (The bidder is to mention the Ampere of offered Circuit breaker)                        |                                                         |
| 7.     | Size and Weight                                                                                         | <b>Size (cm)</b>                                                                                                                                                                                                                                                             | To be mentioned by the bidder.                                                                          |                                                         |
|        |                                                                                                         | <b>Weight (kg)</b>                                                                                                                                                                                                                                                           | 30 kg (15 +15) maximum for twin battery or to be mentioned by the bidder.                               |                                                         |
| 8.     | Standard packing list with accessories                                                                  | <b>01 x Power Unit should contain the following:</b>                                                                                                                                                                                                                         |                                                                                                         |                                                         |
|        |                                                                                                         | a. Charger.                                                                                                                                                                                                                                                                  |                                                                                                         |                                                         |
|        |                                                                                                         | b. Aircraft/ helicopter lead output cable (standard 3 pin NATO aircraft connector).                                                                                                                                                                                          |                                                                                                         |                                                         |
|        |                                                                                                         | c. Associated certificate. (Certificate of Origin from the manufacturer, Warranty/Guarantee certificate, Inspection certificate, Quality Assurance certificate, Manufacturer test certificate, OEM Technical Manual, Parts Catalogue and relevant technical literature etc.) |                                                                                                         |                                                         |
| 9.     | The supplied Power Unit must be equipped with all standard fittings and accessories as per EU standard. | d. 30 meters heavy duty cable reel for charging the Battery of Hand/Portable Power Unit at outstation.                                                                                                                                                                       |                                                                                                         |                                                         |
|        |                                                                                                         |                                                                                                                                                                                                                                                                              |                                                                                                         |                                                         |



**TECHNICAL TERMS AND CONDITIONS FOR PROCUREMENT OF HAND/ PORTABLE POWER UNIT, QTY-04 FOR AIRCRAFT/ HELICOPTER IN FY 2026-2027**

The bidder is to mention "Comply/Not Comply/Appropriate Remarks against each terms & condition mentioned below. Otherwise the quotation will not be accepted.

| Ser No | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | To be Filled up by the Bidder |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 1.     | <p><u>Eligibility of Bidder.</u></p> <p>a. The bidder must be enlisted in the Armed Forces Division (AFD), Prime Minister Office, Government of the People's Republic of Bangladesh. The bidder must be either the Original Equipment Manufacturer (OEM) of the offered Hand/portable power unit; or an authorized representative/distributor of the OEM for the specific product.</p> <p>b. In case of an authorized representative, a valid Authorization Certificate from the OEM must be submitted with the quotation, clearly authorizing the bidder to participate in this tender and sell the offered Hand/Portable power unit on behalf of the manufacturer.</p>                                                                                                                                                                                                                                                                                                                                  |                               |
| 2.     | <p><u>Documentation and Technical Literature.</u></p> <p>a. The bidder must provide an OEM Certificate certifying that the Hand/Portable power units are genuine, brand new and manufactured by the OEM.</p> <p>b. The bidder is to submit original and unaltered technical literature (brochures, data sheets, manuals) in English containing detailed product specifications, performance parameters, safety and storage guidelines, charging and discharging characteristics.</p> <p>c. Any document submitted in languages other than English must be accompanied by a certified English translation.</p>                                                                                                                                                                                                                                                                                                                                                                                             |                               |
| 3.     | <p><u>Product Authenticity and Condition.</u></p> <p>a. All products must be Brand new, unused and of the latest production batch, not earlier than the year 2026. All units must be free from manufacturing defects, shelf damage or previous deployment.</p> <p>b. The serial number and year of manufacture must be permanently engraved or embossed on the body of each Hand/Portable power unit.</p> <p>c. Refurbished, recycled or non-factory-authorized production lines will not be accepted under any circumstances.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |
| 4.     | <p><u>Warranty and Replacement Obligations.</u></p> <p>a. The supplier must provide a replacement warranty for a <b>minimum of 01 (one)</b> years of trouble-free operation, effective from the date of acceptance by BAF.</p> <p>b. If any units is found defective, unserviceable, or non-compliant during initial visual inspection or acceptance testing, it must be replaced with a new, serviceable unit at supplier's cost, including both-way freight and insurance, within 60 days from issuance of a formal discrepancy report.</p> <p>c. During the warranty period, if any units becomes unserviceable or fails to perform as per specifications, the supplier is to:</p> <ol style="list-style-type: none"> <li>(1) Replace the item within 60 days of receiving an unsatisfactory report,</li> <li>(2) Bear all costs including freight, handling, insurance, and related charges,</li> <li>(3) Extend the warranty period by the duration of delay due to warranty replacement.</li> </ol> |                               |

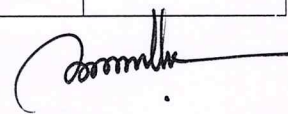


## RESTRICTED

| Ser No | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                   | To be Filled up by the Bidder |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 5.     | <u>Storage Life Guarantee.</u> The supplier must guarantee a minimum storage/shelf life of 03 (three) years from the date of acceptance by BAF without significant degradation in performance (not less than 80% of rated capacity if stored under recommended conditions).                                                                                                                                                                                   |                               |
| 6.     | <u>Technical Compliance and Logbook.</u><br>a. Each battery must be accompanied by one logbook containing OEM specifications, quality check certificate, preservation and storage records, serial number, batch number and testing data.<br>b. Logbooks must be original and authenticated by the manufacturer.                                                                                                                                               |                               |
| 7.     | <u>Quantity Flexibility.</u> BAF reserves the right to reduce or increase the quantity of Hand/Portable power units at the time of contract or during contract execution based on operational requirements, budget, or availability.                                                                                                                                                                                                                          |                               |
| 8.     | <u>Delivery Terms.</u><br>a. All units are to be delivered within <b>210 days</b> from the date of signing the contract.<br>b. Items must be positioned at 201 MU BAF, Dhaka Cantonment at the supplier's cost and responsibility, including transportation, unloading, and handling.                                                                                                                                                                         |                               |
| 9.     | <u>Inspection and Acceptance.</u><br>a. Final inspection and acceptance of the supplied items will be carried out at BAF BSR/201 MU BAF, in the presence of the supplier's authorized representative.<br>b. Inspection will include physical verification, serial number and marking check, functional or acceptance testing (if applicable).<br>c. Items failing to meet specification during inspection will be rejected and replaced under warranty terms. |                               |

**MISC TERMS AND CONDITIONS FOR PROCUREMENT OF HAND/ PORTABLE POWER UNIT, QTY- 04 FOR AIRCRAFT/ HELICOPTER IN FY 2026-2027**

| Ser No | Description                                                                                                                                                                                                                                                               | To be Filled up by the Bidder |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 10     | The bidder must mention the full address including Telephone number, Fax number and e-mail address in the offer. The bidder also mentions the name and full address (including Telephone number, Fax number and e-mail address) of the local agent (if any) in the offer. |                               |
| 11     | Item with changed/ dissimilar part no/ description (if any) is to be mentioned during submission of offer.                                                                                                                                                                |                               |
| 12     | If any change is required in contract/ LC due to fault of supplier, all expenses shall have to be borne by the supplier.                                                                                                                                                  |                               |
| 13     | Normally transshipment is not allowed. However, if the bidder needs transshipment they are to mention in the offer about their requirement. In case of such requirement, the transshipment may only be allowed under single AWB/ BL.                                      |                               |



## RESTRICTED

| Ser No | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | To be Filled up by the Bidder |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 14     | The bidder is to mention the name of port/country of shipment in the offer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |
| 15     | Increase of price at any stage after submission of offer will not be accepted by BAF. The offered unit price and total price against each item must be correct. If the unit price or total price of an item is found incorrect, that unit price or total price will be taken into consideration which will be benefited to BAF.                                                                                                                                                                                                                                                 |                               |
| 16     | The bidder is to quote FCA/ FOB cost and freight charges (by both air and sea) separately & clearly in financial offer. If freight is not quoted separately for each item, total freight will be distributed against each item based on its proportionate FCA/FOB cost of all items. Any price/ cost quoted in the pages of quotation other than financial offer will not be considered.                                                                                                                                                                                        |                               |
| 17     | Delivery schedule may be changed by DGDP/BAF. In such case, the contract would be signed within offer validity period. DGDP/BAF also reserves the right to get the offer validity extended with the consent of the supplier.                                                                                                                                                                                                                                                                                                                                                    |                               |
| 18     | For failure to supply the contracted goods in time, DGDP/ BAF may cancel the contract with necessary punitive action.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| 19     | Offer must remain valid till 30 June 2027 from the date of opening the tender. Within the validity of the offer, withdrawal of offer or unwillingness to sign the contract by the bidder will not be accepted and in such cases action would be taken against the principal supplier and local agent as per DGDP rules.                                                                                                                                                                                                                                                         |                               |
| 20     | Part shipment: Not Allowed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |
| 21     | Part payment: Not Allowed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |
| 22     | Payment Terms. 100% Payment in foreign currency (FC) will be made through an irrevocable Letter of Credit (LC) opened with scheduled bank in Bangladesh and negotiating bank recommended by the supplier under following terms and conditions:<br><br>a. 100% of CFR/ CPT value will be paid/released on receipt of written clearance from DGDP, after satisfactory acceptance of the contracted items by BAF, after inspection/ functional test (as applicable), on production of Certificate Receipt Voucher (CRV) from 201 MU BAF and on presentation of shipping documents. |                               |
| 23     | The items must be packed and supplied in standard air/sea worthy packing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               |
| 24     | AWB/BL must be in the name of consignee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               |
|        | Bidders are requested to submit soft copy of Financial Offer in a CD according to the given proforma along with the hard copy of Financial Offer in closed envelop.                                                                                                                                                                                                                                                                                                                                                                                                             |                               |
| 25     | Compliance of tender terms & conditions should be mentioned in the offer by the bidder as per sequence above. Bidder is to provide appropriate information against each clause clearly (where necessary) instead of 'complied'/'not complied'. No contradictory/hypothetical sentence/word/ (like, quote is subject to availability/prior to sell/subject to export license approval or words so) will be accepted by BAF.                                                                                                                                                      |                               |
| 26     | Any other terms and conditions not covered here will be as per DGDP rules and regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |

