

FOR OFFICIAL USE ONLY

ANNEX E TO
DGBP TENDER NO 214.1508.25
DATED: 07 SEPTEMBER 2025

LIST OF OF BATTERY VARIOUS SIZES FOR DIFFERENT VEH (02 LINE ITEMS, QTY-330 NOS).

Ser	Cat/Part No	Nomenclature	A/U	Applicability	Qty	Rmks
1.	NIV-150555	Bty 12 Volt 180 AH 27 Plate L : 570 mm W: 240 mm H: 240 mm	Nos	Tank T-59G (Durjoy)	200	
7.	37110- A7000	Bty 12 Volt 45 AH 13 Plate L : 205 mm W : 174 mm H : 165 mm	Nos	Staff car (1450- 1600) KIA CERATOEX	130	



ANNEX F TO
DGBP TENDER NO 214.1508.25
DATED: 07 SEPTEMBER 2025

**ITEM NO. 1. TECHNICAL SPECIFICATION OF SECONDARY BATTERY 12 VOLT 180 AH,
27 PLATE, QTY-200 NOS**

Ser	General Description	Technical Specification	Must be filled up by the Manufacturer
Part -1			
General Specification			
1.	Nomenclature	Secondary Battery 12 Volt 180 AH, 27 Plate	
2.	Brand & Model	(LUCAS, HAMKO, GENERAL, NAVANA, VOLVO, RANGS POWER, RIMSO and SAIF POWER). Specific Brand to be mentioned	
3.	Name of manufacturer with complete address	To be mentioned	
4.	Country of Origin	To be mentioned	
5.	Country of Manufacturer	To be mentioned	
6.	Country of Assembly	To be mentioned	
7.	Year of production	Not before the calendar year of contract	
8.	Applicability	Tank T-59G (Durjoy)	
Part -2			
TECHNICAL SPECIFICATION			
9.	Function & Capability	Details to be mentioned	
10.	Overall weight of battery with PP container	To be mentioned	
11.	Battery 12 Volt180 AH	To be provided	
a.	Voltage	12V	
b.	Capacity`	180 AH (Min)	
c.	No. of Plate	27 Plate	
d.	Dimension	L= 570 mm	
		W=240 mm	
		H= 240 mm	
12.	After discharging the minimum specific gravity at 30°C of the electrolyte.	1.050-1.100	
13.	Discharge Rate	C/20	
14.	Cell Capacity	Minimum 2.1 Volts	
15.	Separators	To be mentioned	



Ser	General Description	Technical Specification	Must be filled up by the Manufacturer
16.	Container	White Plastic Container with carrying handle/rope and screen print instrument. Upper and lower level of electrolyte identification mark should be leveled on the body of the battery	
17.	Self discharge rate	3% ~ 4% per month	
18.	Warranty	Minimum 01(One) year from the date of actual use (After filling the electrolyte).	
19.	Per Battery Electrolyte Capacity including container	To be mentioned	
20.	Density of Electrolyte at 20°C	To be mentioned	
21.	Physical Appearance of Sulphuric acid	Clear, colorless, odorless liquid	
22.	<u>Sulphuric acid</u>		
	a. Purity	99.97%	
	b. Density at 20°C	1.84	
23.	DM water (P ^H value)	P ^H = 5-6	
24.	<u>Plate</u>		
	a. No of positive plate	To be mentioned	
	b. No of Negative Plate	To be mentioned	



ITEM NO. 7, TECHNICAL SPECIFICATION OF SECONDARY BATTERY 12 VOLT 45 AH, 13 PLATE, QTY-130 NOS

Ser	General Description	Technical Specification	Must be filled up by the Manufacturer
Part -1			
	<u>General Specification</u>		
1.	Nomenclature	Secondary Battery 12 Volt 45 AH, 13 Plate	
2.	Brand & Model	(LUCAS, HAMKO, GENERAL, NAVANA, VOLVO, RANGS POWER, RIMSO and SAIF POWER). Specific Brand to be mentioned	
3.	Name of manufacturer with complete address	To be mentioned	
4.	Country of Origin	To be mentioned	
5.	Country of Manufacturer	To be mentioned	
6.	Country of Assembly	To be mentioned	
7.	Year of production	Not before the calendar year of contract	
8.	Applicability	Staff car (1450-1600) KIA CERATOEX	
Part -2			
<u>TECHNICAL SPECIFICATION</u>			
9.	Function & Capability	Details to be mentioned	
10.	Overall weight of battery with PP container	To be mentioned	
11.	Battery 12 Volt 45 AH	To be provided	
	a. Voltage	12V	
	b. Capacity`	45 AH (Min)	
	c. No. of Plate	13 Plate	
	d. Dimension	L= 205 mm	
		W=174mm	
		H= 165 mm	
12.	After discharging the minimum specific gravity at 30°C of the electrolyte.	1.050-1.100	
13.	Discharge Rate	C/20	
14.	Cell Capacity	Minimum 2.1 Volts	
15.	Separators	To be mentioned	
16.	Container	White Plastic Container with carrying handle/rope and screen print instrument. Upper and lower level of electrolyte identification mark should be leveled on the body of the battery	



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Ser	General Description	Technical Specification	Must be filled up by the Manufacturer
17.	Self discharge rate	3% ~ 4% per month	
18.	Warranty	Minimum 01(One) year from the date of actual use (After filling the electrolyte).	
19.	Per Battery Electrolyte Capacity including container	To be mentioned	
20.	Density of Electrolyte at 20°C	To be mentioned	
21.	Physical Appearance of Sulphuric acid	Clear, colorless, odorless liquid	
22.	<u>Sulphuric acid</u>		
	a. Purity	99.97%	
	b. Density at 20°C	1.84	
23.	DM water (P ^H value)	P ^H = 5-6	
24.	<u>Plate</u>		
	a. No of positive plate	To be mentioned	
	b. No of Negative Plate	To be mentioned	



TERMS AND CONDITION OF SECONDARY BATTERY VARIOUS SIZES FOR DIFFERENT VEH. QTY- (02 LINE ITEMS, QTY-330 NOS)

Ser No.	Terms and Conditions	Must be filled up by the Manufacturer
1.	Source of Supply: Local.	
2.	Brand: (LUCAS, HAMKO, GENERAL, NAVANA, VOLVO, RANGS POWER, RIMSO AND SAIF POWER). If dealers those are enlisted with DGDP participate to supply standardized Brand, authorization certificate from manufacturer has to be submitted. Specific Brand to be mentioned.	
3.	Country of Origin: To be mentioned.	
4.	Country of Manufacturer/Assembly: To be mentioned.	
5.	Authority Holding Sealed Particulars (AHSP): Chief Inspector (CI), Inspectorate of Electronics & Instruments (IE&I), Dhaka Cantonment.	
6.	Inspecting Authority: Chief Inspector (CI) of Inspectorate of Electronics & Instruments (IE&I) or his authorized representative, Dhaka Cantonment	
7.	<u>Place of Inspection.</u> a. <u>Stage Inspection(SI).</u> Manufacturer Factory Premises. Name and address of factory- To be mentioned. b. <u>Joint Post-shipment Inspection (JPSI).</u> Central Ordnance Depot (COD)/Central Mechanical Transport Depot (CMTD), Dhaka Cantonment.	
8.	<u>Stage Inspection (SI)</u> a. Before production of bulk stores, manufacturers will submit lab test report for all kinds of raw materials required for battery manufacturing and will take approval of raw material from Inspectorate. They will arrange stage inspection during production. The stage inspection will be carried out at manufacturer factory premises. Inspection team will visit the production line of the equipment. All necessary facilities needed for inspection to be arranged by the supplier without extra cost. All types of movements/transportation of the team within the country/concerned area for the inspection are also to be arranged by the supplier at their cost. b. Inspection will be carried out basing on the technical specification which is specified in the contract. All parameters of contracted technical specification will be checked one by one. Supplier/manufacturer will ensure the presence of experts and provide all necessary facilities to show each parameter physically in factory and laboratory (Where applicable). c. Provide necessary secretarial support (typing and printing facilities) to the stage inspection team to be arranged by the supplier. d. Manufacturing plant of all battery are to be visited by the Stage Inspection (SI) team in order to confirm the year (Not before the contracted year) of production in the assembly line. e. A Stage Inspection (SI) report will be prepared and will be signed by the competent representative of Manufacturer Local agent and SI team. f. 100% stores to be sealed and signed on the suitable place of Battery by the representative of Inspector of Inspectorate of Electronics & Instruments (IE&I) after finish production.	



Ser No.	Terms and Conditions	Must be filled up by the Manufacturer
9.	<u>Joint Post-Shipment Inspection (JPSI).</u> a. <u>General.</u> Joint Post Shipment Inspection (JPSI) will be carried out on receipt of stores by the consignee (COD/CMTD). Date of JPSI (Visual and Lab Test) will be decided by Inspection and Technical Development (ITD) Director after necessary coordination with IE&I, Local agent, User Director (If required) and manufacturer. In this connection the local agent/manufacturer will intimate the actual date of arrival of stores to IE&I & ITD just after the commencement of shipment. Following Representative will be present and carried out JPSI: (1) Representative of Inspectorate of Electronics & Instruments (IE&I) (2) Local agent (3) Manufacturer's expert (If any). (4) Consignee. The inspection will be conducted in following 2 phases duration of the inspection will be fixed by the purchaser. (1) Visual inspection. (2) Laboratory Test b. <u>Visual inspection.</u> Visual inspection of 100% stores will be carried out at COD/CMTD premises. During visual inspection following parameters will be checked: (1) Brand & Model. (2) Country of Origin and Manufacture. (3) Year of production. (4) Part no/ Serial No. (5) Any damage/ crack etc. (6) Measurement and weight etc. (7) Packing and marking as per contract. (8) Quantity as per contract. (9) All sign and marking. (10) Any other if deemed necessary by inspection team. c. <u>Inspection Conditions.</u> (1) All parameters of contracted technical specification will be checked one by one. (2) The supplier will provide necessary facilities, transport support required to show the parameters during various test (Visual and lab test) of the equipment's free of cost as per terms of clause 12 (a) and 12 (b) of DP 35. (3) This inspectorate (IE&I) will issue final inspection Note (I/Note) after being successful completion of inspection and supply of all contracted stores as specified in the contract. (4) If any item found defective and not in accordance with contracted specification during Joint Post Shipment Inspection (JPSI) the supplier/ manufacturer will replace as per DGDP Instruction. (5) JPSI report to be signed by rep of all concerned (Consignee, IE&I and supplier expert).	



Ser No.	Terms and Conditions	Must be filled up by the Manufacturer
	(6) After completion of Joint Post Shipment Inspection (JPSI), a joint inspection report will be prepared and signed by the representatives of all concerned. (7) Inspection Note (I/Note) will be issued by IE&I on completion of the following: (a) Supply of all contracted store. (b) Successful completion of functional/Laboratory test.	
	d. <u>Functional/Laboratory Test</u> Functional/Laboratory test of 01% total quantity (randomly selected) will be carried at IE&I facilities. The battery function/performance further test will be carried out in the Laboratory of IE&I as per the Technical Specification. Above percentage (%) may be increased if necessary basing on performance test result of battery. Supplier needs to provide necessary required battery during Lab test as deemed necessary by Chief Inspector (CI) of IE&I.	
10.	<u>Packing & Marking:</u> a. As per international standard trade packing and marking. The stores are to be securely packed for safe transit by Railway/Road. The packing will be done by supplier so that the stores will not be affected by rain and damp weather during transportation. Marking must be done clearly in English Language in each container/packages for easy identification of the stores. Container/boxes must be strong enough to bear or withstand the load of contained materials during transportation. b. Contract number, date, and name of the consignee must be stenciled on the front side of the PP container/wooden box. c. Final acceptance seal of IE&I (1009) must be stamped on the suitable place of the items by indelible ink.	
11.	<u>Certificate Conditions.</u> a. Authorization certificate (Original) in favour of manufacturer by the local agent to be submitted along with offer. b. Authorization certificate (Original) in favour of local agent by the Principal (If applicable) to be submitted along with Offer. c. The following certificate must be provided by the manufacturer and local agent with the offer: (1) Manufacturer certificate confirming country of origin. (2) Manufacturer certificate confirming country of manufacturer/ Assembly. (3) After sales service should be available with the local agent of the supplier and is to be provided as and when required for indefinite period (Free of changeup to guarantee period and thereafter with payment) (Certificate by local agent). (4) The word "BD Army" to be sealed on the suitable place on the items by indelible ink. (5) Manufacturer certificate is to be provided with the offer mentioning. The item/items found defective and not in accordance with the Specification will be replaced free of cost.	



Ser No.	Terms and Conditions	Must be filled up by the Manufacturer
	(6) Manufacturer's certificate showing year of production to be submitted during Stage Inspection (SI) and manufacturer is also confirmed that all materials/elements/components of the secondary battery must be Brand New and Equipment manufactured not before the contracted calendar year. (7) Year of production certificate must be provided by the manufacturer along with the offer. (8) Updated Environmental Certificate from Department of Environment (DOE), Bangladesh must be provided by the Manufacturer along with the offer. (9) Updated Certificate from Accumulator Battery Manufacturers & Exporters Association of Bangladesh (ABMEAB) must be provided by the manufacturer along with the offer. (10) Updated Acid license must be provided by the manufacturer along with the offer. (11) Updated Fire license must be provided by the manufacturer along with the offer.	
12.	<u>Warranty/ Guarantee by Manufacturer, Principal (If applicable) and Local Agent</u> a. A warranty/Guarantee certificate to be provided for the equipment's/items for a trouble free service of 12 months (The warranty period will be start from the date of actual use). b. If any defect/discrepancies arises during fitting in the respective equipment's/stores within warranty/guarantee period after receipt by consignee/user unit, that must be repair/ replaced (as applicable) free of cost. c. The firms supplying equipment's/items on warranty will identify these by attaching a warranty label/ dies or stenciling this by indelible (permanent) paints on the equipment/ items as shown below: <u>WARRANTY</u> (Warranty valid for 01 (one) year from the date of actual use (From the date of actual use) Contract no and date: Date of supply: Supplier's name & address with phone no: Manufacturer's name & address with phone no: Warranty time: 01 (One) year from the date of actual use. d. A Warranty/Guarantee will be provided by the local agent in DPL-15 as above.	
13.	Severe punitive action will be taken (Incl black list) against supplier who fails to supply stores within delivery schedule of contract).	
14.	<u>Inspection and Testing Facilities:</u> The supplier shall pay all costs connected with the inspection and will provide without extra charge, all materials, tools, instruments, transport, labor, & assistance, etc of every kind which the inspector may consider necessary for the inspection. Supplier shall also provide and deliver free of charge at such place as the inspector	



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Ser No.	Terms and Conditions	Must be filled up by the Manufacturer
	may direct, such materials as he may be required for test. Cost of any laboratory test shall be borne by the suppliers as per terms of clause 12(a) and 12(b) of DP-35.	
15.	a. Original offer must be submitted in letter head pad of manufacturer signed and sealed at every page. Name, designation, mobile No, Fax No. E-mail address, website and mailing address of signatory must be mentioned.	
	b. Original brochure/catalogue of offered model with proper marking and signed must be submitted along with the offer.	
	c. Offered technical specifications must be conformed to the specifications mentioned in the submitted brochure/catalogue. Fax/photocopy/hand written offer/catalogue/brochure and catalogue without marking/signing will not be considered during technical vetting.	
	d. Hand written offer and any hand written clarification will be directly rejected. It must be typed or computer printout in original letter head pad of the manufacturer/principal/local agent (As applicable) with sign and seal of proper signing authority.	
	e. Tempered offer will be directly rejected.	
	f. The format must be filled up without changing any word/serial as given in Tender Documents.	
	g. Any offer may be accepted/rejected without asking any clarification.	
	h. A soft copy of the offer to be submitted in CD in Microsoft word documents for IE&I. However, hard copy is the final authority for offer vetting.	
16.	01x Complete Tender Sample (Each item) must be submitted along with the offer for functional test.	
17.	01x Complete Advance Sample (Each item) must be submitted after signing the contract and approved by the IE&I before Bulk production.	
18.	Bulk Representative (BR) Sample must be submitted for functional test in accordance to approved advance sample. Quantity of BR Sample as mentioned in serial 9d.	
19.	Accept/reject will be confirmed according to submitted offer.	
20.	All kinds of raw materials for the production of Battery Various Sizes For Different Vehicle storage in a bond room of factories premises and inspected by the authorized representative of IE&I.	
21.	All test and trial will be carried out in the factory premises Lab, which is not possible by IE&I Lab due to non-availability of test equipment.	
22.	Rejected items must be replaced free of cost at the supplier's expense.	
23.	No deviation from the contracted specification after signing the contract will be acceptable during stage inspection.	
24.	Any defect/ damage/ pilferage or discrepancies arise during transportation will be repaired/ fulfilled by the manufacturer.	

