

SPECIFICATION OF CRASH HELMET : MIG-29B/UB AC

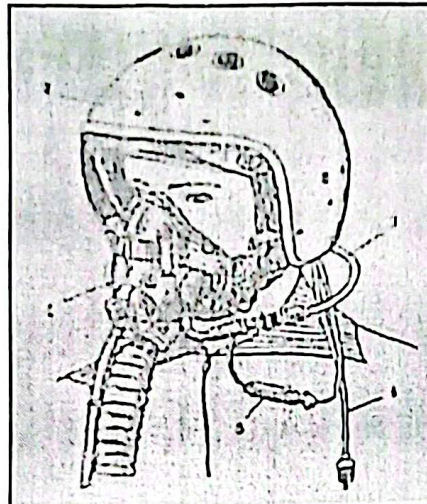
BASIC FUNCTIONS

1. Crash Helmet is designed to protect pilot's head from injuries at impacts in aircraft cockpit during flight and from aerodynamic and winds during seat ejection. The type 3Ш-7АП crash helmet is prescribed for pilots of MiG-29B/UB aircraft and is an integral part of high altitude equipment when complete with KM-34 (KM-34Д) Oxygen Mask. This crash helmet must have the provision of lowering visor manually by control handle during normal operation and automatically by special gear electrically interlocked with ejection seat knob prior to eject. Additionally, the helmet must provide operation of SHCHEL-ZUM system with attached quick detachable Helmet Mounted Sight Device (HBY-7 Block). A crash helmet is likely to protect head if it absorbs shock in excess of 82% in survival accidents. The helmet design should prevent deformation to the skull and increase the tolerance to linear acceleration with high crashworthiness.

SPECIFICATIONS OF HELMET/MASK

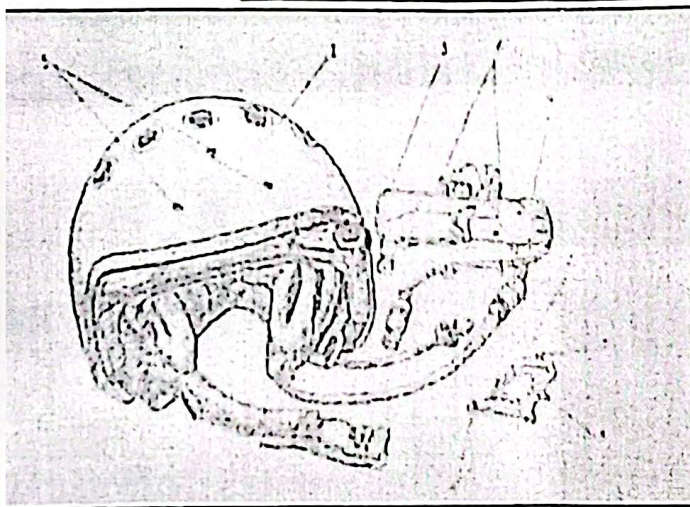
<u>Ser No</u>	<u>Description</u>	<u>Specification Specified</u>
a.	Helmet Model No : Mask Model No :	3Ш-7АП Crash Helmet (Part No 3Ш-7АППС) KM-34Д Series 2 (Part No 9Г4.197.020-02ПС)
b.	Shell Design :	Helmet is to composed of high strength with penetration resistance, shock absorbent & helmet retention as per international design & manufacturing specifications. Provision of installing HBY-7 Block for SHCHEL-ZUM system.
c.	Shell Colour :	Preferably white. Gray/black is optional.
d.	Inner Liner :	Leather type withstanding impact force. Sweat absorbing layer/skin/plush may be placed underneath the inner liner.
e.	Visor :	Light Filter Visor with lockable system (Single gradient Tinted and clear visor TPL). Provision of fixing both types.
f.	Communication :	Helmet should include standard leather covered ear caps for maximum noise attenuation and comfort. Provision of Radio and Intercom lid for Tx/Rx with mask/helmet must be ensured. Separate Voice commutation device (Lalinger) for each helmet
g.	Skull Cap :	Helmet must have skull cap.
h.	Usage :	For Pilot's of MiG-29B/UB aircraft.
j.	Country of origin :	To be mentioned by Bidder.

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SAMPLES OF CRASH HELMET & MASK: MIG-29B/UB AIRCRAFT



- 1 - Oxygen Mask
- 2 - Crash Helmet
- 3 - Tension Compensator Tube
- 4 - Communication Cable
- 5 - ДА-5 Connector

Figure-1. Crash Helmet with Oxygen Mask (without HB-7 Bracket)



- 1 - Crash Helmet
- 2 - HBY-7 Block Bracket
- 3 - HBY-7 Block
- 4 - HBY-7 Bracket Screw
- 5 - Positions of HBY-7 Bracket Attachment
- 6 - Lock Clutches
- 7 & 8 - Adjusting Screws
- 9 - Button

Figure-2. Crash Helmet and HBY-7 Block

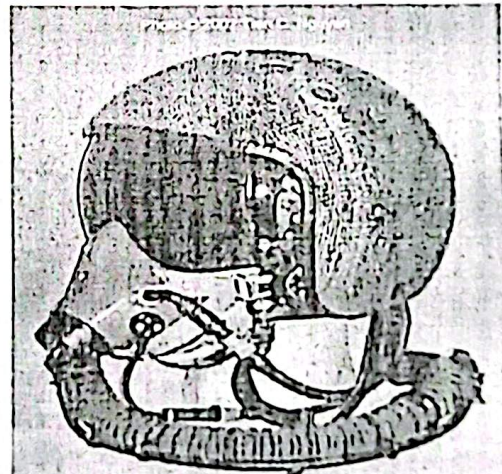
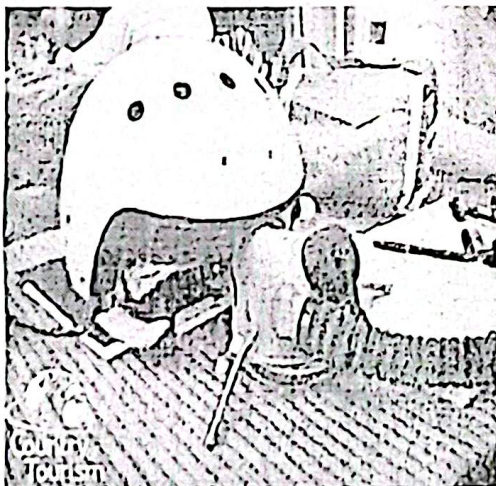


Figure-3. Pictures of Crash Helmet

ANX 'A' To
06.03.2600.030.45.001.26.019 (SPS-CLO)
DATE: 13 OCT 26

TERMS & CONDITIONS FOR SUPPLY OF HELMET FLYING AND OXYGEN MASK (FOR MIG-29B/UB AC)

1. Items must be as per the contract (approved) sample, brand new and latest production lot. Date of production should not be earlier than January 2027.
2. Country of origin and manufacture : Should be mentioned in the quotation.
3. If the supplier and the manufacturer are not the same, the supplier is to provide the particulars of manufacturer and the assurance certificate from manufacturer for supply of items/stores as per contracted terms and conditions.
4. Quotations are to be submitted along with sample and Brochure/Catalogue. Without sample quotation will not be considered. Original brochure/catalogue and sample along with quotations are to be forwarded to Air HQ.
5. Full specifications of the quoted/offered item must be submitted with quotation.
6. Air/Sea worthy packing must be provided /Certified.
7. Standard warranty/guarantee certificates are to be provided by the manufacturer at the time of delivery of item.
8. Each Helmet Flying and Oxygen Mask are to be packed properly for safe transit and storage. Size is to be mentioned on the attached sticker of the cover.
9. If the items are found defective/damaged during inspection, the same are to be replaced with new ones by the supplier at their own risk, arrangement and expenses within 60 days.
10. Part delivery and part payment are not allowed.
11. Delivery is to be completed within 210 days from the date of signing the contract.
12. On arrival of the items at Airport/Seaport, the same will be cleared from the Airport/Seaport on following conditions:
 - a. Copies of necessary documents and contract or valid documents in favour of the contract are to be provided/submitted to BAF Embarkation Unit, Chattogram/201MU BAF (Air Freight) as applicable.
 - b. In case of shipment by Air, No 201 MU BAF, Dhaka Cantt, Dhaka will clear the items from HSIA (Hazrat Shahjalal International Airport), Dhaka as defence goods with an exemption of custom duties and taxes as per Ministry of Finance Memo no.9 (41)/NBR/CUS-IV/72/146 dated 10 April 1981. All the charges including port duties and expenses related to transportation from the Airport to upto 201 MU BAF shall be paid by the supplier.
 - c. In case of shipment by Sea, BAF Embarkation Unit, Chattogram will clear the items from Chattogram Sea Port as defence goods with an exemption of custom duties and taxes as per Ministry of Finance Memo no.9 (41)/NBR/CUS-IV/72/146 dated 10 April 1981. After clearance of the item from the port, the supplier will arrange dispatch of the items to 201 MU BAF at their own responsibility. All the charges including port duties and expenses related to transportation from Chattogram to 201 MU BAF shall be paid by the supplier.
 - d. In that case, the bidder is to quote the price of the items excluding custom duties & taxes and port handling/other charges.



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13. Items are to be packed in a hard paper carton/box.
14. Delivery and Inspection Place. 201 MU BAF, Dhaka Cantonment, Dhaka. Inspection of the items will be carried out by CQCU BAF.
15. Qty and Sizes will be intimated before signing the contract.
16. Payment Terms. Payment will be made through an irrevocable letter of credit (LC) as per following:
 - a. 100% 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.
 - b. AWB /BL/Road Transport Bill must be in the name of consignee.
17. Freight. Freight will be paid at actual but not more than the contracted freight. As such, the freight is to be mentioned in appropriate column of AWB/BL/Road Transport Bill, otherwise only FOB/FCA value will be paid.
18. FOB/FCA value and Freight charge of item are to be quoted in the offer separately.

Miscellaneous.

19. The bidder must mention the name and full address of the local agent (if any) in the offer.
20. Item with changed/dissimilar part no/description is to be mentioned in the offer.
21. Due to the fault of the supplier, if any change is required in contract/LC, then all the expenses shall be borne by the supplier.
22. Trans-shipment is not normally allowed, if the bidder needs trans-shipment, they are to mention in the offer about their requirement. In case of such requirement, the trans-shipment will only be allowed under single AWB/BL.
23. The bidder is to mention the port/country of shipment in the offer.
24. The cost of item is to be 'Firm & Fixed'. No increase of price at any stage after submission of offer will be accepted by BAF.
25. Cost of item and freight (both by air and sea) should be mentioned separately and clearly in US Dollar in the financial offer. Any price/cost quoted in the pages of quotation other than financial offer will not be considered.
26. For failure to supply the contracted goods in time, DGDP may cancel the contract with necessary punitive action.
27. The offer must be valid upto 06 months from date of opening tender.
28. Air HQ may decrease the indented quantity of item without assigning any reason.
29. Any other terms and conditions not covered here will be as per DGDP rules and regulations.
30. Compliance of tender terms and conditions should be mentioned in the quotations by the bidders as per sequence above.

