

**TECHNICAL SPECIFICATION FOR REPAIR OF COLD AIR UNIT & HEAT EXCHANGER  
AND TECHNICAL SUPPORT TEAM (TST) FOR INSTALLATION OF REPAIRED ITEMS  
WITH AIR CONDITIONING SYSTEM - BN MPA**

**1. Items Identification.**

- a. Applicable Aircraft Model : Dornier 228-212NG.
- b. Name of the System : Air Conditioning System.
- c. Name of the Item : Cold Air Unit & Heat Exchanger.
- d. Name, Part No and Quantity of the items:

Ser	Part No	Item Ser No	Item Name	Deno	Qty
1.	1431D000	1052	Cold Air Unit	No	01
2.	8321C000	2070	Heat Exchanger	No	01

**2. Description of Defect**

- a. Cold Air Unit : Wheel Assembly Turbine Blade and Casing damaged (picture attached).
- b. Heat Exchanger : Heat Exchanger Leakage.

**3. Technical Specification of the items**

a. **Main Parts**

- (1) Cold Air Unit, Part No : 1431D000
- (2) Heat Exchanger, Part No : 8321C000

**4. Details of Manufacturer.**

- a. Country of Origin : UK, EU or USA
- b. Manufacturer Address : HONEYWELL AEROSPACE YEOVIL  
BUNFORD LANE  
BA20 2YD YEOVIL, SOMERSET, BA20, 2YD  
UK
- c. Address of OEM : General Atomics AeroTech System GmbH  
Sunderflughafen, Oberpfaffenhofen  
P.O. Box 1253  
82231 Wessling, Germany

**5. Scope of Repair Works.**

- a. Necessary repair work is to be done from OEM (Equipment/ Aircraft) or OEM (Equipment/ Aircraft) authorized repair centre.
- b. Defective parts/spares are to be replaced as necessary.
- c. The units are to be provided with Serviceable Tag.
- d. If the units cannot be repaired for any reason, the items need to be returned to NSD, Ctg. by local supplier along with necessary certificate. Reason is to be stated clearly.

**6. Test, Trial and Acceptance. Final acceptance of the items will be given after satisfactory test and trial in MPA Flt line.**

**7. Warranty.**

- a. Warranty is to be given for trouble free operation for a period of minimum 12 months after the installation in the aircraft by MPA Flt line.
- b. If any defect/ discrepancies arises within warranty period, then the respective items are to be replaced at free of cost including freight within 02 months from the date of notification of the same to the supplier.

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- c. Warranty period will be extended for the same amount of time in which the item will remain non-operational.

8. Installation of Air-conditioning System Components (Optional).

a. Description of Installation Works.

- (1) A full health check of air conditioning system is to be carried out by TST at Naval Aviation premises.
- (2) The installation work of repaired AC unit is to be carried out after proper health check.
- (3) After installation of satisfactory Air-conditioning operating hour is to be conducted under the supervision of TST member.
- (4) Necessary additional tools for health check of mentioned Air Conditioning system are to be provided by the bidder.

b. Requirement of TST

- (1) No of TS: 01 (one)
- (2) Trade: Airframe Cat B1 or equivalent.
- (3) Duration: 05 days ( after the date of receiving of the repaired items)
- (4) Qualification: The TST member shall have qualification and adequate experience on Do 228 aircraft production and maintenance.
- (5) Experience: Must have practical experience of fault finding/trouble shooting and removal & installation of air-conditioning system fitted in Dornier 228 ac. Experience certificate is to be submitted.

- c. Price of TST service along with required additional tools/GSE for health check is to be quoted separately as optional.

9. Bidder's Identification and Qualification.

- a. Bidder Address (Full address, Contact no and E-mail address): To be mentioned.
- b. Principal's Qualification: OEM (Equipment/Aircraft) or OEM (Equipment/Aircraft) authorized and EASA part 145 certified servicing centre.
- c. Principal's Address (Contact no, Website and Email address): To be mentioned.

10. Documents/Certification

- a. For both items and TST member, the bidder is to provide an Authenticity Certificate from OEM (Equipment/ Aircraft)/Qualified principal.
- b. The bidder is to provide Authorized Release Certificate (ARC)/ Acceptance Test Report (ATR) (if the items are repaired from military organization) and repair report with the item.
- c. The bidder is to be provide a certificate of Warranty/ Guarantee with the offered quotation.

11. Handling of Item

- a. Delivery Point : NSD Ctg
- b. Country/ Port of Shipment : To be mentioned
- c. Shipment : By air
- d. Delivery Time : 45 days from the date of handover to the supplier.
- e. Consignee : For the shipment of the unit, consignee should be as mentioned below:

Commanding Officer  
Naval Stores Depot  
New Mooring  
Chattogram-4218

Or



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Officer In-charge  
Naval Sub Stores Depot, Dhaka  
Naval Unit, Khilkhet  
Namapara, Dhaka-1229

12 Payment.

- a. Price : Repair cost of the Cold Air Unit and Heat Exchanger are to be quoted separately. Separate quotation is to be submitted for TST along with services (optional). Lowest Bidder shall be determined by repair cost plus TST (optional) service cost. All the prices are to be mentioned in Local Currency.
- b. Applicable Tax/ VAT : Local Tax/ VAT will be borne by supplier.
- c. Terms of payment : After satisfactory test/trial and acceptance by BN, 100% payment will be made in local currency as per the existing rule.

13 Bidding Conditions

- a. Offer Validity : The offer should remain valid up to 180 days.
- b. Brochure/Catalog (If any) : Is to be provided with offer (If any).
- c. Compliance Statement : A compliance statement fulfilling all the requirement of the tender is to be submitted for evaluation of the quotation. An incomplete compliance statement may attribute to the cancellation of the offer. If any clause of this specification does not commensurate with offer, the deviation has to be clearly mentioned.

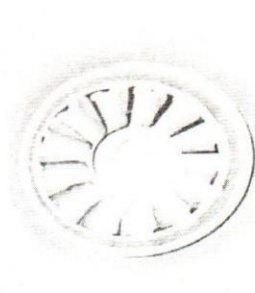


Fig: Defective Cold Air Unit

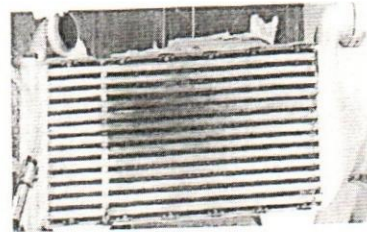


Fig: Defective Heat Exchanger

  
M TAUHIDUL ISLAM  
Lt Cdr BN  
OIC MPA Flt Line  
Naval Aviation