

TENDER SPECIFICATION FOR TRANSPONDER MODE S (NXT-600) - BN MPA1. **Item's Identification.**

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|----|---------------------------|---|
| a. | Applicable Aircraft Model | : Dornier 228-212 NG. |
| b. | Name of the System | : Transponder System |
| c. | Name of the Item | : Transponder Mode S |
| d. | Model | : NXT-600 |
| e. | Part No | : 9006000-55000 |
| f. | Reference | : Supplemental Illustrated Parts Catalog (SIPC) |
- Revision-13, (Chapter: 34-50-00).

2. **Purpose.** The system is used to provide the enhanced surveillance and communications capability required for air traffic control system automation and the Airborne Collision Avoidance System (ACAS). The transponder also provides Automatic Dependent Surveillance-Broadcast (ADS-B) out functionality broadcasting position, velocity, identification and status information to ADS-B ground stations and other aircraft.

3. **Quantity.** 01 (One) in no.

4. **Technical Specification.**

- | | | |
|----|----------------------------------|----------------------------|
| a. | MOD HW | : A |
| b. | MOD SW | : A-C |
| c. | Nominal input voltage | : 28 V DC |
| c. | Power consumption, receive mode | : 1 A nominal at 27.5 V DC |
| d. | Power consumption, transmit mode | : 2 A nominal at 27.5 V DC |
| e. | Input voltage | : 18.0 V DC to 30.3 V DC |
| f. | Weight | : 5.2 Lbs. |

5. **Manufacturer Details.**

- | | | |
|----|----------------------|---|
| a. | Country of Origin | : USA |
| b. | Manufacturer Address | : AVIATION COMMUNICATION & SURVEILLANCE SYSTEMS, LLC 19810 NORTH 7TH AVENUE 85027- 4400 PHOENIX USA |
| c. | Year of Manufacturer | : To be mentioned (Preferably 2021 or later). |

6. **Source of Supply.** : OEM or OEM authorized principal.

7. **Scope of Supply.** New and Original item is to be supplied fulfilling all the criteria of tender specification.

8. **Test, Trial and Acceptance.** Final acceptance of the item will be given after visual inspection and functional test and operational test trial in MPA Fit Line.

9. **Warranty.**

- | | |
|----|--|
| a. | Warranty is to be given for trouble free operation for a period of minimum 12 months from the date of acceptance. |
| b. | If any defect/discrepancies arises within warranty period, then the respective item is to be replaced free of cost including freight within 02 months from the date of notification of the same to the supplier. |
| c. | Warranty period will be extended for the same amount of time the item will remain non-operational. |

10. **Bidder's, Principals Identification and Qualification.**

- | | | |
|----|--|--------------------|
| a. | <u>Bidder Address: (Full address, Contact no and E-mail address)</u> | : To be mentioned. |
| b. | <u>Bidder's Qualification.</u> OEM (Equipment/ Aircraft) or OEM authorized (Equipment/ Aircraft) principal can submit quotation. | |

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- c. Principal's Address (Contact no and Email address) : To be mentioned.
d. Principal's Qualification: OEM (Equipment/Aircraft) or OEM (Equipment) authorized principal can submit quotation.

11. Certificates.

- a. The bidder is to provide an Authenticity Certificate from OEM (Equipment/Aircraft)/ OEM (Equipment) authorized principal with the offer quotation.
b. If the equipment is supplied from the OEM (Equipment) Authorized principal, the bidder is to provide an Authenticity Certificate from the OEM (Equipment) for the Authorized principal with the offer quotation.
c. The bidder is to provide Authorized Released Certificate (ARC) with the item.
d. The Bidder is to provide a certificate of warranty/ Guarantee with the offer quotation.

12. Handling of Item.

- a. Delivery Point : NSD Chattogram.
b. Country/ Port of Shipment : To be mentioned.
c. Shipment (Air/Sea) : To be mentioned.
d. Delivery Time : 60 days from the date of purchase order provided
e. Consignee : For shipment of the unit, consignee should be as Mentioned below.

Commanding Officer
Naval Stores Depot
New Mooring
Chittagong-4218

or

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

13. Payment.

- a. Price : To be mentioned in Local Currency (BDT)
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.

14. Bidding Conditions.

- a. Offer Validity : The offer should remain valid up to 180 days.
b. Brochure/Catalogue (if any) : To be provided with offer.
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 cancellation of the offer. If any clause of this specification does not commensurate with offer, the deviation has to be clearly mentioned.



M KAMRUZZAMAN
Lieutenant BN
Ais Electrical Officer
MIPA Flight Line
Naval Aviation

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TECHNICAL SPECIFICATION FOR TRANSCEIVER OF RADIO ALTIMETER SYSTEM - BN MPA

1. Item's Identification.

- a. Applicable Aircraft Model : Dornier 228-212NG
- b. Name of the System : Radio Altimeter System
- c. Name of the Item : Transceiver Radio Altimeter
- d. Model/ Type : ALT-4000
- e. Part No : 822-0615-306
- f. Reference : Aircraft 8322 & 8327 delivery file, (Chapter: 34-41-10).

2. Purpose. The Radio Altimeter (RA) system provides the flight crew with accurate AGL altitude information (AGL – Above Ground Level) when below 2500 ft AGL.

3. Quantity. 01 (One) in no.

4. Technical Specifications.

- a. Mode of Hardware : 1-10, 12, 13
- b. Power Supply : 28 V DC

5. Manufacturer Details.

- a. Country of Origin : USA
- b. Manufacturer Address : ROCKWELL INTERNATIONAL COLLINS
GENERAL AVIATION DIV.
400 COLLINS ROAD
52498 CEDAR RAPIDS
USA

c. Year of Manufacture : To be mentioned (Preferably 2021 or later).

6. Source of Supply. OEM or OEM authorized principal.

7. Scope of Supply. New and Original item is to be supplied fulfilling all the criteria of tender specification.

8. Test, Trial and Acceptance. Final acceptance of the item will be given after visual inspection and functional test and operational test trial in MPA Flt Line.

9. Warranty.

a. Warranty is to be given for trouble free operation for a period of minimum 12 months from the date of acceptance.

b. If any defect/discrepancies arises within warranty period, then the respective item is to be replaced free of cost including freight within 02 months from the date of notification of the same to the supplier.

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

10. Bidder's, Principals Identification and Qualification.

- a. Bidder Address: (Full address, Contact no and E-mail address) : To be mentioned.
- b. Bidder's Qualification: OEM (Equipment/ Aircraft) or OEM authorized (Equipment/ Aircraft) principal can submit quotation.
- c. Principal's Address (Contact no and Email address) : To be mentioned.
- d. Principal's Qualification: OEM (Equipment/Aircraft) or OEM (Equipment) authorized principal can submit quotation.

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- b. Country/ Port of Shipment : To be mentioned.
- c. Shipment (Air/Sea) : To be mentioned.
- d. Delivery Time : 60 days from the date of purchase order provided
- e. Consignee : For shipment of the unit, consignee should be as
Mentioned below.

Commanding Officer
Naval Stores Depot
New Mooring
Chittagong-4218

or

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

13. Payment.

- a. Price : To be mentioned in Local Currency (BDT)
 - 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.

14. Bidding Conditions.

- a. Offer Validity : The offer should remain valid up to 180 days.
- b. Brochure/Catalogue (if any) : To be provided with offer.
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