TENDER SPECIFICATION FOR DEFECT ASSESSMENT AND SD CARD REPLACEMENT OF VESSEL MOUNT ACOUSTIC DOPPLER CURRENT PROFILER (ADCP)- BNS SUROVI

1.	**Name of Defective Equipment**.	Vessel Mount Acoustic Doppler Current Profiler (ADCP)
2.	**Brand/Model**.	Nortek/ Signature 100 VM
3.	**Country of Origin**.	Norway.
4.	**Address and Country of Manufacturer**.	Nortek, Vangkroken 2, 1351 Rud, Norway. Tel: +4767174500. Email: ketil.horn@nortekgroup.com
5.	**Description of Defect**.	The internal SD Card of the Vessel Mount Acoustic Doppler Current Profiler has become defective/non-functional. Consequently, The defect requires assessment to identify the actual fault, determine the condition of the internal storage interface/system, and specify the requirement for repair or replacement.
6.	**Purpose**	The purpose of this work is to carry out detailed on-site defect assessment, identify the root cause of the failure, replace the defective internal SD card (if damaged/error) and restore the ADCP to fully operational condition.
7.	**Scope of Work & Supply**.	a. Detailed inspection and diagnosis of the ADCP by an OEM representative /authorized technical expert. b. Assessment of the internal SD Card, card interface and associated electronic/data-recording system. c Identification of the root cause of the SD Card failure and assessment of any consequential fault or damage. d. Supply and replacement of the defective internal SD Card with a genuine/OEM-approved and compatible SD Card. e. Installation, formatting/configuration and initialization of the replacement SD Card as per OEM procedure. f. Verification/restoration of required firmware, software and instrument configuration following replacement. g. Checking of internal data recording/storage functionality and communication with the processing/operating system. h. Complete functional testing of the ADCP after replacement/repair. j. Verification of measurement, communication, data acquisition and recording functions. k. Any necessary minor repair, adjustment, configuration or servicing required to restore the equipment to operational condition.
8.	**OEM/Authorized Technical Expert**:	The defect assessment, SD Card replacement and associated technical works shall be carried out by the OEM or OEM-authorized/qualified technical expert having adequate experience with Nortek Signature 100 VM ADCP.

9. **Replacement Parts**: All replacement parts, particularly the internal SD Card, shall be genuine/OEM-approved, new and unused, fully compatible with Nortek Signature 100 VM and suitable for marine/vessel-mounted operation.

10. **Testing and Functional Verification**:

a. ADCP shall start and operate normally after repair.

b. Replaced internal SD Card shall be properly detected and functional.

c. Internal data recording/storage shall be operational.

d. Communication/interface functions shall be operational.

e. ADCP software shall recognize and communicate with the instrument properly.

f. The instrument shall perform its intended current profiling/data acquisition functions.

g. No SD Card, storage or related system error shall remain.

h. Assess the possibility of data recovery, where technically feasible, without causing further damage to the equipment or storage media.

j. If the SD card/storage media is found defective, the supplier/OEM shall clearly state the exact specification/part number and OEM requirement for replacement. Any replacement or repair shall be carried out only after approval of the Buyer, unless separately authorized.

k. The assessment shall also state whether the ADCP can be returned to full operational condition after repair/replacement and identify any additional calibration, configuration, firmware or software requirements, if applicable.

11. **Test & Trial**: On completion of the work the OEM/Supplier expert representatives will carry out sea trial of the equipment in coordination with BN. Acceptance certificate will be signed jointly by the representative of manufacturer/ authorized dealer and the buyer after satisfactory installation and test & trial.

12. **Calibration/Alignment**: Where necessary, the service provider shall carry out appropriate system checks, configuration, alignment and calibration in accordance with the manufacturer's recommended procedure.

13. **Condition After Repair**: Upon completion of the work, the ADCP shall be handed over in fully operational condition.

14. **Documentation**:

a. Detailed defect assessment report.
b. Description of the fault and identified root cause.
c. Details of the replaced SD Card and other replaced components, if any.
d. Repair/service report.
e. Test and functional verification report.
f. OEM/authorized service certificate, where applicable.
g. Details of firmware/software/configuration changes, if any.

15. **Consignee**. The Commanding Officer, Naval Store Depot, New Mooring, Chattogram.

16.	**Validity of Offer**. The offer should be valid up to 90 days.	
17.	**Certificate/ Document of Authentication**. The Supplier is to provide an Authenticity Certificate from OEM or OEM authorized principal regarding defect assessment. The supplier is to provide an Authorized Release Certificate with the item on completion.	
18.	**Warranty**. N/A.	
19.	**Delivery Time for Defect Assessment**. The defect assessment of the defective item is to be submitted within 30 days from the date of handing over the item to the supplier.	
20.	**Terms of 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: 100% payment will be made in local currency as per the existing rule.
21.	**Compliance Statement**. A clear and complete compliance statement fulfilling the requirement of the tender specification of defect assessment supported by necessary document 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.	

29.10.26

HAIDER JAHAN KHAN EMON
Captain BN
Director of Hydrography

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