

TENDER SPECIFICATIONS OF S-101 VALIDATION SOFTWARE

1. **Name of Equipment/Software.** S-101 Validation Software.
2. **Purpose.** Validating IHO S-57 and S-101 data products.
3. **Quantity.** 01 (One).
4. **Brand/Model/Version.** To be mentioned.
5. **Country of Origin.** UK, USA, Canada, EU countries (Name of the country to be mentioned).
6. **Name and Address of the Manufacturer.** To be mentioned (address, telephone, facsimile number, email address are to be mentioned).
7. **Scope of Supply.** The supply will include the following:
 - a. 01 (One) in number S-101 Validation Software (Latest version), with soft license key/ Dongle (Preferable).
 - b. Contents of the software and license package (as per paragraph 8).
 - c. License - Must be perpetual.
8. **Technical Parameters.** Latest version Software and license should include following facilities/options:
 - a. Supported product Specifications and Related Standards
 - (1) The software will validate IHO S-100 Universal Hydrographic Data Model (Edition 5.2.0, June 2024 and latest).
 - (2) The software will validate IHO Publication S-101 Edition 1.2.0 (March 2024) and the latest.
 - (3) The software will validate IHO S-57 Transfer Standard for Digital Hydrographic Data, Edition 3.1.
 - (4) The software will validate S-57 ENC Product Specification, Edition 2.0.
 - (5) The software will support S-65 Annex A, High Density (HD) ENC Production and Maintenance Guidance (Edition 1.0.0, January 2020).
 - (6) The software will support S-57 APPENDIX B.1 Annex A - Use of the Object Catalogue for ENC (latest Edition).
 - (7) The software will support IHO S-58 ENC Validation Checks (latest Edition).
 - (8) The software will validate AML 1.0, 2.1, 3.0 and latest.

- b. Validation results should include the following:
- (1) Validation parameters (e.g. tolerances, configurations)
 - (2) Dataset metadata (Name, Edition, Dates, Reference Datum, Units, etc.)
 - (3) Dataset entries (e.g. messages on erroneous record fields)
 - (4) Feature and geometry entries (e.g. erroneous feature attributes, corrupt topology, data-model errors, etc.)
 - (5) Indication of S-58 severity categories (critical error, error, warning)
 - (6) The validation results should be presented to the reviewer, together with dataset information, in a hierarchical tree structure, in the order of their importance.
 - (7) The results should be exported to XML log files.
 - (8) Features objects and spatial items (geometry) that are affected are highlighted in the chart display
- c. **License Key.** License Soft key/ Dongle (Preferable) to be provided by the manufacturer. License must be perpetual.
- d. **Operating Systems Supported.** Windows 10 or later versions.
- e. **Language of the program.** Should be in English.
9. **Platforms.** Microsoft Windows 10 or later.
10. **Demo Version.** A demo Software of the total software package is to be submitted with the offer in USB/Flash drive or as suitable.
11. **Certificate/Document of Authentication.** The local supplier must provide following original certificate/document with the offer/quotation to ascertain the ingenuity of source and items in order to establish chain of links from the original source to supply items.
- a. One certificate/document by the manufacturer in favour of the supplier (In case of manufacturer as direct source).
 - b. Two certificates/documents, one by the manufacturer in favour of the authorized agent and other by the authorized agent in favour of the supplier (In case of authorized agent as immediate source).
12. **Manuals.** Following manuals will be supplied Free of Cost at the time of software delivery:
- a. One set of user manual (original) for the entire software package.
 - b. One set of installation manual (original) for the entire software package.

13. **Guarantee.** The Principal/ Manufacturer will guarantee to supply the necessary up gradation of the software for at least 10 years (not including the year as per para 14.a) with reasonable price. Price for upgrading license for a period of two years are to be quoted separately with the quotation.
14. **Maintenance.** The S-101 Validation Software should have one year Maintenance free of cost. The annual maintenance will cover the following:
- The product upgrades within 01 year from the date of acceptance by BN.
 - Technical support i.e the questions/problems are to be answered/resolved. Method of support to be mentioned.
15. **Installation, Test and Trial.** The manufacturer's representative will install the software at BNHOC, Chattogram. After installation, test and trial will be carried out by the manufacturer's software engineer.
16. **Training.** The manufacturer's authorized software engineer/ trainer will provide 03 (three) working days of training to 05-06 BN personnel at the user's premises.
17. **Acceptance.** On completion of satisfactory test and trial, final acceptance certificate will be signed jointly by the representative of supplier's and the buyer.
18. **Quality Management System.** To asses the quality management system (QMS) of the manufacturer, ISO or equivalent certificate has to be provided.
19. **Record of Sale.** Record of sale for last five years indicating year and name of the user to be provided in the offer.
20. **Validity.** Up to 30 Jun 2025.
21. **Shipment and Delivery.**
- The supplier will arrange shipment of all items by sea/air to Dhaka/Chattogram sea/air port, Bangladesh within 60 days from the date of contract signed.
 - All packages are to have packing notes showing their contents in detail and all packages shall be marked with the name and address of the consignee.
 - The supplier will supply the item at NSD Chattogram. While delivering, the supplier will carry the items from Dhaka/Chattogram sea/air port (as applicable) to NSD Chattogram at the cost and risk of supplier.
22. **Source of Supply.** The bidder is to mention the name, address and contact detail of original source (manufacturer's) from where the S-101 Validation Software will be imported.
23. **Port of Shipment.** Any port of the manufacturer country (to be mentioned).
24. **Consignee.** Commanding Officer, Naval Store Depot, New Mooring, Chattogram, Bangladesh.

25. Price without Import Duties. Quoted price is to exclude all import duties as those will be consigned against BN.

26. Terms of Payment. 100% payment will be made in local currency after satisfactory acceptance by BN.

27. Condition for Acceptance of Quotation. Quotation may not be considered if detailed information/ specification, original maker's books and catalogue about the same model of the offered item, accessories, scope of supply etc are not provided.

28. Compliance Statements. A complete statement fulfilling all the requirements of the tender is to be submitted for evaluation as required:

a. Article wise compliance report must be given. An incomplete compliance statement may attribute to cancellation of the offer.

b. If any clause of this specification does not commensurate with offered item, the deviation has to be spelt out clearly.

Signature
22/08/24
M YOUSUF ALI
Lt Commander BN
(Member Secy)
Deputy Director Hydrography
Naval Headquarters
Banani, Dhaka-1213

Signature
M SAJJAD HABIB
Lt Commander BN
(Member)
Staff Officer (NS-2)
Naval Headquarters
Banani, Dhaka-1213

Signature
25/08/2024
M AREFIN IBNE NAZIM
Lt Commander BN
(Member)
Station Officer (Medical)
Directorate of Naval Weapons
and Electrical Engineering
NHQ Banani Dhaka-1213

Signature
25/08/24
IMTIAZ GALIB
Lt Commander BN
(Member)
Staff Officer (Repair)
Directorate of Naval Engineering
Naval Headquarters
Banani, Dhaka-1213

Signature
25/08/24
MUNIRUL ANWAR NAHID
Lt Commander BN
(Member)
Staff Officer (Signals)
Naval Headquarters

Signature
22.08.24
M MINHAZ UDDIN
Captain
(Member)
Director of Hydrography
Naval Headquarters
Banani, Dhaka-1213

Signature
25/8/24
AMANAT ULLAH
Lt Commander BN
(Member)
Director of Naval Plan.
RNP

Signature
25/8/24
KAL ARBAJ SHIRAZI
Lt Commander BN
(President)