



भाइजप्रा, वलरुनल्ल, तयेकल इल/लदु.क

(इल इलजुगु एल;] भाइर लदु)

INLAND WATERWAYS AUTHORITY OF INDIA

(Ministry of Shipping, Govt. of India)

Head Office: A-13, Sector -1, NOIDA, Distt. Gautam Budh Nagar - 201 301 (U.P.)

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**Document
of
Expression of Interest
for
Procurement of Shallow water Wide Swath
Interferrometry / Multi-Beam Echosounder System**

Cost of document: Rs. 1000/- (Rupees One Thousand only)

EOI NO.: IWAI/HY/2(9)/MB/2014

IMPORTANT NOTES:

- (i). This document should be returned in original, duly filled-in and signed with bidder's stamp on each page.
- (ii). The bidder should read all the instructions thoroughly before submitting and adhere to the date given.

Invitation for Expression of Interest:

Hydrographic Chief, Inland Waterways Authority of India (IWAI), invites “Expression of Interest” from Original Equipment Manufacturer (OEM) or their authorized suppliers, distributors, agents for Supply, Installation, Training, Commissioning of three (03) numbers shallow water Wide Swath Interferrometry / Multi-Beam Echosounder Systems as per terms and conditions of the tender / RFP document to be issued at later stage. The approximate estimated cost of work is Rs. 5.0 Crore.

This Expression of Interest (EOI) document can be downloaded from IWAI’s website from 17-04.2014 to 23-05-2014. The bidder will be required to submit along with the EOI bid Rs.1,000/- (as cost of this document) in the form of demand draft (DD) in favour of “IWAI Fund” payable at Noida / New Delhi. The EOI bids not accompanied with the cost of EOI document would be liable to be summarily rejected.

A pre-bid meeting will be convened at IWAI’s head office at A-13, Sector-1, NOIDA – 201301 (U.P.) on 05-05-2014 at 1500 hours. Prospective bidders may submit their queries on or before 05-05-2014 at 1500 hours. Clarifications will be uploaded on the IWAI’s website.

Duly filled in EOI bids will be received in the office of Hydrographic Chief, IWAI, A-13, Sector-1, NOIDA (Distt. G.B. Nagar), Uttar Pradesh - 201301 up to 1500 hours on 23-05-2014. EOI bids will be opened on the same day (23-05-2014) at 1530 hours at IWAI’s office at A-13, Sector-1, NOIDA – 201301.

Sd/

**Hydrographic Chief
IWAI, Noida**

EXPRESSION OF INTEREST (EOI) DOCUMENT:

1. Introduction

- 1.1. Inland Waterways Authority of India (IWAI) under the Ministry of Shipping, Govt. of India, is the apex body for development of Inland Waterways in the country for Shipping and Navigation. The detail on IWAI is available at www.iwai.nic.in.
- 1.2. Fortnightly / Monthly thalweg (longitudinal) surveys are being carried out for the entire stretch of the National Waterways No. 1, 2 & 3 with automated Hydrographic Survey System using DGPS technology & digital single beam Echosounders. Detailed surveys at shoal locations / terminals are also being carried out for timely execution of River Conservancy works like Bandalling and Dredging. Besides, bank-to-bank survey are also being conducting for preparation / updation of River Navigational charts.

2. Objective

2.1 **At present, bathymetric survey in National Waterways is being carried out with single beam echo sounders, which gives depth information at a particular location with limited coverage area (footprint). It is presumed that the depth indicated at that location (Lat/Long) is present throughout the width of the channel.** Further, in order to have a detailed study at a particular shoal location, detailed survey is being carried out by taking cross sectional lines at a suitable interval.

2.2 As per norms of classification of waterways, IWAI is mandated to maintain 45/32 mts width & 3.0/2.5/2.0 mts depth in different stretches of National Waterways. However, this needs running of lines at the required number as per the scale of chart being prepared. Due to this, certain area left out in between the cross-sections, giving an unrealistic picture of the river bottom in the navigational channel. So far, there are no means available to ascertain the depths / underwater obstruction in the entire width of the river / canal to maintain navigable channel. The barges and other vessels while navigating, often encounter with under water obstructions / shoals, even if they deviate a little from the thalweg route.

In order to get 100% coverage of the river bottom and also to identify/ locate these underwater obstructions, modern equipment like shallow water Wide Swath Interferrometry / Multi-Beam Echosounder Systems are presently available in the market. This will give a wider coverage of underwater surveyed area and can also generate 3D views.

- 2.3 Shallow water Wide Swath Interferrometry / Multi-Beam Echosounder Systems can give wider coverage area to find out the obstructions / shallow depths between the survey lines. Obstructions thus located could easily be demarcated & removed so as to ensure safety in vessel operation in the navigational channel. By running a single Shallow water Swath bathymetric line, it will give an output equivalent to 8-10 times of coverage of the bottom based on the available depth, thus making substantial savings in cost and time. However, the coverage will depend upon available depth, i.e., more depth, more area of coverage can be obtained.
- 2.4 IWAI wants to have a system which can give wider coverage during survey in shallow waters. Thus, the objective of this EOI is to procure initially three (03) numbers shallow water Wide Swath Interferrometry / Multi-Beam Echosounder Systems (one no. each for NW-1, 2 & 3) to cover the entire width of navigable area of the river / canal and also to find out the suitable navigable channel at shallow areas for conducting river conservancy works.

3. Scope of work

- 3.1 Scope of work covers procurement of three (03) numbers shallow water Wide Swath Interferrometry / Multi-Beam Echosounder Systems (one no. each for NW-1, 2 & 3).
- 3.2 Installation, Training, Commissioning of the supplied system at each of the locations as indicated by IWAI.
- 3.3 Practical demonstration of the proposed equipment will be shown by the bidder on-board vessel / boat on No Commitment – No Cost (NC-NC) basis.
- 3.4 The type of system, i.e., whether Wide Swath Interferrometry or Multi-Beam Echosounder, and their final specification will be decided by the technical committee, after scrutinizing the technical documents and brochures of the EOI bids & also based on the practical demonstration on-board vessel / boat.

4. Approach & Methodology

- 4.1 The total period for supply of equipment will be 120 days from the date of issuance of work order.
- 4.2 Additionally, one year Comprehensive Annual Maintenance Contract (CAMC) will have to be provided after completion of one year warranty period.
- 4.3 Practical demonstration of the proposed equipment on-board vessel / boat is also the part of technical qualification. Bidder has to arrange the practical demonstration of

their proposed equipment at IWAI, Patna (on NC-NC basis), within 60 days time after receiving such request from IWAI. IWAI will provide the survey vessel (one day for each bidder) for the field trial and other costs will be borne by the bidder. After successful testing / trial and confirmation of technical specifications by IWAI officials, the bidder will be treated as technically qualified.

- 4.4 Based on the eligibility criteria, selection criteria & practical demonstration of the proposed equipment, the EOI submitted the bidders shall be shortlisted for issue of tender / RFP document, which would be in two cover format, i.e., Technical bid and Financial bid. The successful bidder would be required to undertake the work for Supply, Installation, Training, Commissioning & CAMC of one year of three (03) numbers shallow water Wide Swath Interferrometry / Multi-Beam Echosounder Systems as per terms and conditions of the tender / RFP document.

5. Instructions to the bidders

- 5.1 Address for communication: All the correspondence and communications shall be addressed to the following address:
Hydrographic Chief,
Inland Waterways Authority of India,
A-13, Sector-1, NOIDA (Distt. G.B. Nagar), Uttar Pradesh – 2013010
(Phone: 0120-2527667; Fax : 2522969; E-mail:- hc.iwai@nic.in, ahsnoida@gmail.com)
- 5.2 All costs towards preparation and submission of EOI document and other related documents shall be borne entirely by the bidders. IWAI in no case will be liable for any such costs, regardless of the outcome of the EOI.
- 5.3 Time schedule for submission and opening of “Expression of Interest Document”:
- (i). Uploading of EOI document on IWAI’s website on 17-04-2014.
 - (ii). Pre-bid meeting at 1500 hours on 05-05-2014.
 - (iii). Submission of EOI up to 1500 hours on 23-05-2014.
 - (iv). Opening of EOI bids at 1530 hours on 23-05-2014.
- 5.4 If any dates specified above falls on a Government holiday, the dates shall stand extended automatically to the next working day.
- 5.5 EOI document received after the due date will not be considered.
- 5.6 There is no exemption on Service Tax. All the taxes have to be paid by the bidder.
- 5.7 Liquidated damages (LD) clause will be there in the tender / RFP document. Maximum LD will be 10% of the contract value.

- 5.8 The sealed envelope containing “Expression of Interest” must be clearly marked “Expression of Interest for **Procurement of Shallow water Wide Swath Interferrometry / Multi-Beam Echosounder System**” on the top and shall be submitted to the Hydrographic Chief, IWAI, A-13, Sector-1, NOIDA (Distt. G.B. Nagar), Uttar Pradesh - 201301 up to 1500 hours on 23-05-2014.
- 5.9 Bidders, if needed, may seek clarification to any point of the EOI document from Hydrographic Chief, IWAI, in writing prior to the deadline for pre-bid meeting.
- 5.10 No bidders shall be allowed to make amendments to their proposal once submitted to the Hydrographic Chief. They may however be asked by IWAI to provide additional information / documents to ensure that all the bids received have necessary papers / details.
- 5.11 All EOI documents received within the due date and time will be opened at 1530 hours on the last date of submission of Proposal in the presence of the bidders or their authorized representative whom-so-ever wish to attend. Absence of the bidders or their authorized representatives, however, shall not obstruct or prevent the IWAI from opening of the Proposals in any way. Bidders or their representatives, who are present at the time of opening of proposals, shall sign in a register to record their presence. During opening of Proposal, Authorized representatives of the Hydrographic Chief, IWAI will read out the names of the bidders who have submitted the Proposals.
- 5.12 During the process of evaluation, the Hydrographic Chief, IWAI may request the bidders to furnish any clarifications on Proposals submitted by them. The bidders shall furnish the necessary clarifications expeditiously by post / courier / fax / e-mail or by any other faster means of communication to the Hydrographic Chief, IWAI within the stipulated time mentioned therein.
- 5.13 In case of failure to provide information essential to evaluate the Proposal, or not to provide timely clarifications by any bidder, Hydrographic Chief, IWAI shall be at his liberty to declare bids of such bidders as non-responsive and reject such proposal.
- 5.14 IWAI reserves the right to accept or reject any or all Proposals without giving any reason what-so-ever. IWAI shall not be liable for any loss to bidders due to such rejection.
- 5.15 Incomplete Proposals are liable to be rejected. All the information sought in the EOI document must be furnished. Failure to furnish all the information required in EOI document may result in rejection of Proposal. Separate or additional sheets may be used for supplementing or adding further details.
- 5.16 Furnishing false or wrong information in the proposal would result in rejection of their Proposal.

- 5.17 For import & supply of the equipment, clearance required, if any, from the concerned authorities will have to be taken by the bidder. Import License and Foreign exchange required, if any, shall be arranged by the Bidder himself. With regard to the import of equipment, IWAI will issue only a letter stating that the equipment is for the official use of IWAI. If required, End-User Certificate will be provided by IWAI.
- 5.18 Hydrographic Chief, IWAI shall be the Engineer-in-charge (EIC) of the project.

6. Requirement for submission of EOI by the bidders

The EOI bid should inter-alia contain following information:

- 6.1 Name and complete address, phone number (Mobile no.), Fax no., e-mail address etc of the bidder.
- 6.2 Name and details of Nodal / Key personnel (Mobile no., e-mail etc)
- 6.3 Addresses of Office and Service Center in India are to be provided for after sales support.
- 6.4 Background of the organization with respect to similar experience and brief description of projects recently undertaken in the relevant field (last 7 years).
- 6.5 Work orders and performance certificates / job completion certificates in respect of similar type of equipment (last 7 years).
- 6.6 Declaration that firm has not been banned or black-listed by any Govt. or quasi Govt. agency or Public Sector Undertaking.
- 6.7 To furnish last 3 years (2010-11, 2011-12 & 2012-13) audited balance sheet / annual reports) showing turnover, net worth, profitability and cash flow duly certified by a firm of Chartered Accountants.
- 6.8 Documents in respect of PAN, service tax, VAT number/registration.
- 6.9 Any other details which firm feel relevant to carry out the present assignment.

7. Pre-qualification Criteria:-

The following criteria shall be adopted for assessing eligibility of the bidders:

- 7.1 Copies of similar Supply orders and performance certificates / job completion certificates for the equipment for which the bid is submitted, issued by the client during the past 7 years, for evaluation of financial & technical capabilities of the bidders. Supply orders and performance certificates / job completion certificates shall be in the name of bidder only clearly indicating the value of work.

Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which this tender is invited should be

either of following:

- (i). Three similar works **each** costing not less than Rs. 2.0 Cr.; **or**
- (ii). Two similar works **each** costing not less than Rs. 2.5 Cr.; **or**
- (iii). One similar work completed **for** not less than Rs. 4.0 Cr.

7.2 Average annual financial turnover during last three years ending 31st March of the previous financial year, should be at least Rs. 1.5 Cr.

8. Selection Criteria:

8.1 An evaluation committee of IWAI will examine the proposals submitted by the bidders and short list the successful bidders based on the EOI documents received and practical demonstration of the proposed equipment given by the bidders.

8.2 The following items shall be considered for evaluation of the firm / short listing the eligible firm for issue of tender / RFP document:

Marking system for short listing of bidders:

SL. No.	Description	Marks
1	Submission of documents as per EOI	10
2	Background of the organization with respect to similar work experience	10
3	Service Center in India for after sales support	10
4	Work orders and performance certificates / job completion certificates for similar works	30
5	Practical demonstration of the proposed equipment on-board vessel / boat on no commitment – no cost (NC-NC) basis	40

8.3 **Minimum 80 marks is the eligibility criteria for short listing.**

8.4 The shortlisted firms will be issued with tender / RFP (Request for Proposal) document to submit their competitive bids.
