



नौवहन महानिदेशालय, मुंबई
DIRECTORATE GENERAL OF SHIPPING, MUMBAI

QUALITY & COST BASED SELECTION (QCBS)
(Using E-Procurement mode on Central Public Procurement Portal)

Request for Proposals
for
**Selection of GIS Consultants/Experts for Developing Framework
and Guidelines for Geospatial Data Standards for Geospatial
Platform for Indian Ports**

Tender Ref. No.: 25-44/5/2023-NT-DGS(comp.no.24732)

Date of Issue: 28 July, 2025

ISSUING AUTHORITY:
DIRECTORATE GENERAL OF SHIPPING, MUMBAI
Postal Address: 9th Floor Beta Building, i-Think Techno Campus, Kanjurmarg (East),
Mumbai - 400 042 (India)

E-Mail: dgship-dgs[at]nic[dot]in
Tel. No. : 91-22-25752040/41/42/43/45
(From 9:30 A.M. to 6:00 P.M.)

Key information at a glance

SN	Item	Description
1	Tender Ref. No.	25-44/5/2023-NT-DGS(comp.no.24732)
2	Tender Title	Selection of GIS Consultants/Experts for Developing Framework and Guidelines for Geospatial Data Standards for Geospatial Platform for Indian Ports
3	Cost of Request for Proposals	Request for Proposals can be downloaded free of cost from the following websites: https://eprocure.gov.in/epublish/app https://www.dgshipping.gov.in/Content/TenderNotices.aspx
4	Date of Tender Publishing	
5	Date and time till which physical visits prospective Consultants to DGS premises are permissible	
6	Date and time of Pre-Proposal Meeting	
7	Tentative date for publishing Responses to Pre-Proposal Queries and Corrigendum, if any	
8	Last date and time for Submission of Proposals (Technical + Financial Proposals)	
9	Date and time of opening of Technical Proposals	
10	Tentative date for publication of technical evaluation results	
11	Tentative date for opening of financial Proposals	
12	Expected date of Award of Contract	
13	Help Desk No. (For E -Procurement)	E-Mail: dgship-dgs[at]nic[dot]in Tel. No. : 91-22-25752040/41/42/43/45 Primary Custodian number: +91-8652690051 eProcurement Helpdesk no.s (New Delhi) 0120-4200462, 0120-4001002, 0120-4001005

14	Link for accessing training schedule regarding use of e-procurement portal by consultants may be found at:	https://eprocure.gov.in/cppp/trainingdisp
15	Authority to be contacted in case of any clarification / request for entry permission for physical visit	Name:- Capt. Nitin Mukesh Designation:- Dy. Nautical Advisor Email:- n.mukesh@gov.in Landline:- 022-25752030

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Section 1 – Letter of Invitation

Proposal Reference No.:

Date:

Tender Title:

1. The DGS invites online Proposals from eligible Consultants for Selection of GIS Consultants/Experts for Developing Framework and Guidelines for Geospatial Data Standards for Geospatial Platform for Indian Ports.
2. More details pertaining to the scope of work may be seen under the Terms of Reference (Section V).
3. The process of Quality & Cost Based Selection (QCBS) shall be followed for selection of suitable Consultant. The Bidding process shall be conducted in an online mode on the Central Public Procurement Portal (CPPP) which is publicly accessible using the following web address: <https://eprocure.gov.in/eprocure/app>. Consultants can download the Request for Proposals free of cost from this portal.
4. Interested Consultants must register on the e-procurement portal and upload their technical and financial proposals separately within the stipulated time and date i.e. **<enter date and time>**.
5. Detailed instructions regarding online submission of proposals may be seen under Annexure I.
6. The Consultant is solely responsible for timely uploading of Proposals on the e-procurement portal. DGS shall not be liable for resolving any queries / issues raised on the day of Proposal submission.
7. Technical Proposals shall be opened **online at _____ hours on _____**. Consultants can see the tender opening status by logging on to the e-procurement portal using their registered IDs.
8. Financial Proposals of only technically qualified Consultants shall be opened at a date which shall be pre-disclosed on the e-procurement portal.
9. DGS reserves the right to accept or reject any or all of the Proposals at any time during the Bidding process.

Capt. Nitin Mukesh
Deputy Nautical Adviser -cum-Senior Deputy Director General of Shipping (T)
The Directorate General of Shipping, Mumbai.

Section 2 – Instructions to Consultants (ITC)

A. General

1. Introduction

- a) This Section provides the relevant information as well as instructions to assist prospective consultants in preparation and submission of Proposals. It also includes the mode and procedure to be adopted by the DGS (hereinafter referred to as the ‘Client’) for receipt and opening as well as scrutiny and evaluation of Proposals and subsequent placement of award of contract.
- b) The Client named in the **Data Sheet** will select an eligible consulting firm / organization (the Consultant), in accordance with the method of selection specified in the **Data Sheet**.
- c) Before preparing the Proposal and submitting the same to the Client, the Consultant should read and examine all the terms & conditions, instructions etc. contained in the Request for Proposals. Failure to provide required information or to comply with the instructions incorporated in this Request for Proposals may result in rejection of Proposals submitted by consultants.
- d) The successful Consultant will be expected to complete the Services by the Intended Completion Date as provided in the **Data Sheet** and communicated in the services contract.

2. Language of Proposals

Proposal submitted by the Consultant and all subsequent correspondences and documents relating to the Proposal exchanged between the Consultant and the Client, shall be written in English language. However, the language of any printed literature furnished by the Consultant in connection with its Proposal may be written in any other language, provided the same is accompanied by a self-certified English translation and, for purposes of interpretation of the Proposal, the English translation shall prevail.

3. Code of Integrity

- a) The Client and all officers or employees of the Client, whether involved in the procurement process or otherwise, or Consultants and their representatives or employees participating in a procurement process or other persons involved, directly or indirectly in any way in a procurement process shall maintain an unimpeachable standard of integrity in accordance with the code of integrity prescribed under GFR 175.
- b) In case of breach of the code of integrity by a consultant or a prospective Consultant, the DGS, after giving a reasonable opportunity of being heard, may take appropriate measures including:
 - i. exclusion of the Consultant from the procurement process;
 - ii. calling off of pre-contract negotiations and forfeiture or encashment of Proposal security;
 - iii. forfeiture or encashment of any other security or bond relating to procurement;
 - iv. recovery of payments made by the Client along with interest thereon at bank rate;
 - v. cancellation of the relevant contract and recovery of compensation for loss incurred by the Client;
 - vi. debarment of the Consultant from participation in any future procurements of any Client for a period of up to three years.

4. Eligibility

- a) This Request for Proposals is open to all Consultants eligible as described in the instructions to consultants. DGS employees, Committee members, Board members and their relatives (Spouse or Children) are not eligible to participate in the tender. Consultants involved in corrupt and fraudulent practices or debarred from participating in Public Procurement by any state government or any procuring entity of the central government shall not be eligible.
- b) The specific eligibility conditions shall be as prescribed under the **Data Sheet**.
- c) Consultants shall submit a declaration regarding its eligibility vis-à-vis all the criteria mentioned under the instructions to Consultants and the Proposal data sheet.

5. Online Proposal Submission Process

The e-tender is available on CPPP portal, <https://eprocure.gov.in/eprocure/app> as mentioned in the tender. The tenders duly filled in should be uploaded and submitted online on or before the end date of submission. More details regarding the online Proposal submission process may be found under Annexure-II attached to this Request for Proposals.

B. Request for Proposals

6. Contents of Request for Proposals

- a) The Request for Proposals include the following Sections, which should be read in conjunction with any amendment issued in accordance with ITC.
 - Section 1 Invitation for Consultants
 - Section 2 Instructions to Consultants (ITC)
 - Section 3 Data Sheet
 - Section 4 Evaluation Criteria
 - Section 5 Terms of Reference
 - Section 6 Proposal Forms
 - Section 7 General Conditions of Contract (GCC)
 - Section 8 Special Conditions of Contract (SCC)
 - Section 9 Contract Forms
 - Financial Proposal Template in MS Excel format
- b) Unless downloaded directly from the DGS website (<https://www.dgshipping.gov.in>) or the e-procurement portal <https://eprocure.gov.in/eprocure/app> as specified in the **Data Sheet**, Client shall not be responsible for the correctness of the Request for Proposals, responses to requests for clarification, the Minutes of the Pre-Proposal meeting, if any, or Amendment(s) to the Request for Proposals in accordance with ITC.
- c) Consultants are expected to examine all instructions, forms, terms, and specifications in the Request for Proposals and to furnish with its Proposal all information or documentation as is required by the Request for Proposals.

7. Clarification of Request for Proposals

- a) A Consultant requiring any clarification of the Request for Proposals shall contact the DGS in writing / email at the Client's address specified in the **Data Sheet**.
- b) The Client will respond in writing / email / through the e-procurement portal to any request

for clarification, provided that such request is received prior to the deadline for submission of Proposals within a period specified in the **Data Sheet**. The Client shall also promptly publish brief description of the enquiry but without identifying its source and its response at its website or on the e-procurement portal.

- c) Should the clarification result in changes to the essential elements of the Request for Proposals, the Client shall amend the Request for Proposals following the procedure given under ITC.

8. Pre-Proposal Meeting

- a) In order to provide response to any doubt regarding Request for Proposals, or to clarify issues, a pre-Proposal meeting may be scheduled, as specified in the **Data Sheet**.
- b) During the pre-Proposal meeting, the clarification sought by representative of prospective Consultants shall be responded appropriately. However, they shall be asked to submit their written request by close of office next day or by e-mail for electronic record thereof. The Client shall publish written response to such requests for clarifications, without identifying its source. In case required, amendment(s), in terms of ITC below shall be issued, which shall be binding on all prospective Consultants.

9. Amendments to Request for Proposals

- a) At any time prior to the deadline for submission of Proposals, the DGS may, for any reason deemed fit by it, amend or modify the Request for Proposals by issuing Amendment(s)/corrigendum.
- b) Such Amendment(s)/corrigendum will be published on DGS's website or on the e-procurement portal and the same shall be binding on all prospective Consultants.
- c) In order to give reasonable time to prospective Consultants to take necessary action in preparing their Proposals, the Client may, at its discretion, extend the deadline for the submission of Proposals and other allied time frames which may be linked with that deadline.
- d) Any Consultant who has downloaded the Request for Proposals should check the Amendment(s), if any, issued on the DGS website and on the e-procurement portal.

C. Preparation of Proposals

10. Documents Comprising Proposal

- a) Consultant's pre-qualification / eligibility submission shall comprise the documents listed under ITC Clause 4 and corresponding Data Sheet entry.
- b) Consultant's technical Proposal shall comprise the following:
 - Letter of Proposal as per the form provided in Section 6 – Proposal Forms;
 - Consultant's Past Experience Details
 - Proposed Approach, Methodology and Work Plan
 - Team Composition and Task Assignments
 - CVs of Proposed Key Experts
 - Staffing Schedule
 - Proposed Knowledge Transfer Plan
 - Any other document as required in the ITC or Data Sheet

- c) Consultant's financial Proposal shall comprise the financial quote submitted in the excel template published along with these Request for Proposals.
- d) The selected consultant shall furnish a Performance Bank Guarantee (PBG) within **15 days** of receiving the Letter of Award (LOA).

11. Financial Proposal

The consultant shall use the financial proposal template uploaded along with this RFP for preparation of their financial proposal. The consultant shall enter the remuneration and reimbursable rates along with applicable taxes. The Consultant shall quote the price in **INR** only.

12. Period of Validity of Proposals

- a) Proposals shall remain valid for a period of 180 days from the deadline of submission of Proposals unless otherwise specified in the **Data Sheet**.
- b) In exceptional circumstances, prior to the expiration of the Proposal validity period, the Client may request Consultants to extend the period of validity of their Proposals. The request and the responses shall be made in writing. A Consultant may refuse the request without any penal repercussions. A Consultant granting the request shall not be required or permitted to modify its Proposal.

13. Format and Signing of Proposals

- a) Documents establishing consultant's eligibility shall be compiled into a single PDF file. All pages in the document should be serially numbered and an index specifying contents of the Proposal should be populated at the beginning of the document.
- b) The technical Proposals comprising all documents specified under ITC Clause 10 a) may be compiled into a single PDF document. All pages in the document should be serially numbered and an index specifying contents of the Proposal should be populated at the beginning of the document.
- c) Authorized signatory of the Consultant shall sign, either physically or digitally, on each page of the Proposal. This signature should be accompanied by Consultant's official seal.
- d) The financial Proposal must be submitted in the MS excel template provided with the Request for Proposals. Any financial quotation in Request for Proposal (RFP) will result in disqualification of the bid.

D. Submission and Opening of Proposals

14. Sealing, Marking and Submission of Proposals

- a) Consultants shall submit their pre-qualification (eligibility) documents as well as the technical and financial proposals online.
- b) Online submission of Proposals shall be carried out in accordance with the instructions given under Annexure I.

15. Deadline for Submission of Proposals

- a) Proposals must be received by the Client online on the e-procurement portal no later than

the date and time specified in the **Data Sheet**.

- b) The date of submission and opening of Proposals shall not be extended except when:
 - sufficient number of Proposals have not been received within the given time and the Client is of the opinion that further Proposals are likely to be submitted if time is extended; or
 - the Request for Proposals are required to be substantially modified as a result of discussions in pre-Proposal meeting or otherwise and the time for preparations of Proposals by the prospective Consultants appears to be insufficient for which such extension is required.
- c) In cases where the time and date of submission of Proposals is extended, an amendment to the Request for Proposals shall be issued.

16. Late Proposals

The e-procurement portal does not permit late submission of Proposals.

17. Opening of Proposals

- a) The pre-qualification (eligibility) documents and the technical proposals shall be opened online on the date and time stipulated in the **Data Sheet**.
- b) After due evaluation of the technical Proposals, the Client shall notify the technically qualified Consultants regarding the date of financial Proposal opening by giving at least 3 days' advance notice on the e-procurement portal.
- c) The financial Proposals of only technically qualified Consultants shall be opened.

E. Evaluation and Comparison of Proposals

18. Confidentiality

- a) Information relating to the evaluation of Proposals and recommendation of contract award, shall not be disclosed to consultants or any other persons not officially concerned with the bidding process until the same is published officially on the e-procurement portal for information of all Consultants.
- b) Any effort by a consultant to influence the Client in the evaluation or contract award decisions may result in the rejection of its Proposal.

19. Preliminary Examination of Proposals

- a) The Proposal Evaluation Committee constituted by the Client shall conduct a preliminary scrutiny of the opened Proposals at the beginning to assess the prima-facie responsiveness and record its findings thereof particularly in respect of the following:
 - that the Proposal is complete and duly signed by authorized signatory;
 - that the Proposal is valid for the period, specified in the Request for Proposals;
 - that the Proposal is unconditional and that the Consultant; and
 - any other specific requirements put forth in the Request for Proposals.
- b) Proposals failing to meet these preliminary requirements shall be treated as non-responsive and shall not be considered further for evaluation.

20. Immaterial Non-conformities

- a) The Proposal Evaluation Committee may waive non-conformities in the Proposal that do not constitute a material deviation, reservation or omission and deem the Proposal to be responsive;
- b) The Proposal Evaluation Committee may request the Consultant to submit necessary information or documents which are historical in nature like audited statements of accounts, tax clearance certificate, PAN, etc. within a reasonable period of time. Failure of the Consultant to comply with the request within the given time shall result in the rejection of its Proposal;
- c) The Proposal Evaluation Committee may rectify immaterial non-conformities or omissions on the basis of the additional information or documentation received from the Consultant.

21. Determination of Responsiveness

- a) The Proposal Evaluation Committee constituted by the Client shall determine the responsiveness of a Proposal to the Request for Proposals based on the contents of the Proposal submitted by the Consultant;
- b) A Proposal shall be deemed to be substantially responsive if it meets the requirements of the Request for Proposals without any material deviation, reservation, or omission where: -
 - i. “deviation” is a departure from the requirements specified in the Request for Proposals;
 - ii. “reservation” is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Request for Proposals; and
 - iii. “omission” is the failure to submit part or all of the information or documentation required in the Request for Proposals.
- c) A “material deviation, reservation, or omission” is one that, if accepted, shall:-
 - i. Effect in any substantial way the scope, quality, or performance of the subject matter of procurement specified in the Request for Proposals; or
 - ii. Limit in any substantial way, inconsistent with the Request for Proposals, the rights of the Client or the obligation of the Consultant under the proposed contract; or
 - iii. If rectified shall unfairly affect the competitive position of other Consultants presenting responsive Proposals;
- d) The Proposal Evaluation Committee shall examine the technical aspects of the Proposal in particular to confirm that all requirements of Request for Proposals have been met without any material deviation, reservation or omission;
- e) The Proposal Evaluation Committee shall regard a Proposal as responsive if it conforms to all requirements set out in the Request for Proposals, or contains minor deviations that do not materially alter or depart from the characteristics, terms, conditions and other requirements set out in the Request for Proposals, that is, there is no material deviation, or if it contains errors or oversights that can be corrected without any change in the substance of the Proposal;
- f) Proposals that are not responsive or contain any material deviation shall be rejected. Proposals declared as non-responsive shall be excluded from any further evaluation.

22. Non-conformities, Errors and Omissions

- a) Provided that a Proposal is substantially responsive, the Proposal Evaluation Committee may waive any nonconformity in the Proposal.

- b) Provided that a Proposal is substantially responsive, the Client, being DGS or authorized representative may request that the Consultant submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the Proposal related to documentation requirements. Such omission shall not be related to any aspect of the price of the Proposal. Failure of the Consultant to comply with the request may result in the rejection of its Proposal.
- c) Provided that a Proposal is substantially responsive, the Proposal Evaluation Committee shall rectify quantifiable nonmaterial nonconformities related to the Proposal Price. To this effect, the Proposal Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non- conforming item or component.

23. Evaluation of Proposals

- a) Technical evaluation of proposals shall be carried out based on the criteria stipulated under ‘Section 4 – Evaluation Criteria’. The evaluation committee shall not adopt any other criteria other than the ones already stipulated in the Request for Proposals.
- b) The evaluation of financial Proposal will shall be including GST.
- c) The Client’s evaluation of a proposal may require the consideration of other factors, in addition to the Consultant’s financial offer. These factors may be related to the characteristics, performance, and terms and conditions of Consultancy Services. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate comparison of Proposals, shall be specified in ‘Section 4 - Evaluation Criteria’.
- d) Consultants shall be asked to deliver presentation on their technical proposals as per the details provided in the **Data Sheet**. This presentation shall only cover contents of the technical proposals submitted by the Consultant. No marks shall be assigned to the presentation. The objective of the presentation round is to summarize the contents of consultant’s technical proposal for better understanding of the evaluation committee.

24. Right to Accept Any Proposal and to Reject Any or All Proposals

The Client reserves the right to accept or reject any Proposal, and to cancel / annul the Bidding process and reject all Proposals at any time prior to contract award, without thereby incurring any liability to the Consultants for which the Client shall keep record of clear and logical reasons properly for any such action / recall of Bidding process. In case of cancellation / annulment, all Proposals submitted and specifically, Proposal securities, shall be promptly returned to the Consultants

F. Award of Contract

25. Award Criteria

The consultant obtaining the highest combined evaluation score i.e. sum of weighted technical and financial scores shall be considered for award of contract (in case of QCBS evaluation).

26. Notification of Award

- a) Prior to the expiration of the period of Proposal validity, the Client shall notify the successful Consultant, in writing, that its Proposal has been accepted. The notification letter (hereinafter

and in the Conditions of Contract and Contract Forms called the “Letter of Acceptance”) shall specify the accepted contract price. The expected date of award of contract is as stipulated under **Data Sheet**.

- b) Until a formal Contract is prepared and executed, the Letter of Acceptance shall constitute a binding Contract.

27. Other Statutory Requirements

Successful Consultant shall be required to fulfill insurance and other statutory requirements including submission of signed undertakings assuring compliance with the various standards stipulated in the conditions of contract. Failure of the successful Consultant to submit the same shall constitute sufficient grounds for the annulment of the award. In that event the Client may award the Contract to the next highest evaluated Consultant, whose Proposal is substantially responsive and is determined by the Client to be qualified to perform the Contract satisfactorily.

28. Signing of Contract

Promptly after notification of Award, the Client shall send the successful Consultant the Contract Agreement. Within twenty-eight days of receipt of the Contract Agreement, the successful Consultant shall sign, date, and return it to the Client.

Section 3 – Data Sheet

The following specific data for the Consultancy Services to be procured shall complement, supplement, or amend the provisions in the Instructions to Consultants (ITC). Whenever there is a conflict, the provisions herein shall prevail over those in ITC

ITC Para Reference	Particulars
ITC 1b)	<p>The Client is: DGS, Address: 9th Floor Beta Building,i-Think Techno Campus, Kanjurmarg (East), Mumbai - 400 042 (India)</p> <p>The Method of Selection of Consultant is: Quality & Cost Based Selection (QCBS)</p>
ITC 1 d)	The intended completion date is <enter date>
ITC 4	In order to be considered for technical evaluation, the Consultant must satisfy the eligibility requirements stipulated under Section 4.
ITC 6 b)	<p>The official website of DGS is: https://www.dgshipping.gov.in/</p> <p>The e-procurement portal is: https://eprocure.gov.in/eprocure/app</p>
ITC 7 a)	<p>The Client's address for seeking clarifications is:</p> <p>Directorate General of Shipping, 9th Floor Beta Building,i-Think Techno Campus, Kanjurmarg (East), Mumbai - 400 042 (India)</p> <p>Tel. No. : 91-22-25752040/41/42/43/45 Fax.No. :91-22-25752029/35; Email: dgship-dgs[at]nic[dot]in</p> <p>Primary Custodian:- Madhav D. Patil, Assistant</p> <p>Contact of Primary Custodian :- madhavpatil.dgs@gov.in, 8652690051</p> <p>Queries may also be raised by using the 'seek clarifications' option available on the e-procurement portal.</p>
ITC 7 b)	The Consultants may submit their requests for clarification before the seek clarification end date as will be mentioned in the E-Procurement portal.
ITC 8 a)	<p>The pre-Proposal meeting shall be held electronically at Hrs on .</p> <p>The web-link to attend the pre-Proposal meeting is as follows:</p>

ITC 10 d)	The selected consultant shall furnish a Performance Bank Guarantee (PBG) for an amount of 5% of the value of the contract within 15 days of receiving the Letter of Award (LOA). The PBG shall be issued by a scheduled commercial bank in favor of "Directorate General of Shipping Mumbai," and shall be payable at Mumbai and shall remain valid for a period of 3 months beyond the completion of the contract. Failure to submit the PBG within the stipulated time may result in the forfeiture of the award
ITC 12 a)	No change. Proposals shall remain valid for a period of 180 days from the deadline of submission of Proposals.
ITC 14	<p>Bid Security / Earnest Money Deposit of INR _Sixty Thousand Only (Rupees _60,000_____ Only) valid for 90 days in the form of Demand Draft from the date of submission of bid as mentioned in the Scope of Work.</p> <p>Or if the Consultant is exempted from submission of EMD</p> <p>Bid Security Declaration shall be submitted duly signed on the letterhead of the bidder, in pursuance of Govt. of India O.M. No. F.9/4/2020-PPD dated 12/11/2020, as per the format provided.</p> <p>The demand draft shall be drawn in favor of "Directorate General of Shipping Mumbai," and shall be payable at Mumbai.</p>
ITC 17 a)	<p>The web-address of e-procurement portal is:</p> <p>https://eprocure.gov.in/eprocure/app</p> <p>The address for submission of hard copies of EMD & Performance Guarantee is:</p> <p>Directorate General of Shipping, 9th Floor Beta Building, i-Think Techno Campus, Kanjurmarg (East), Mumbai - 400 042 (India)</p> <p>Tel. No. : 91-22-25752040/41/42/43/45 Fax.No. :91-22-25752029/35; Email: dgship-dgs[at]nic[dot]in</p> <p>The deadline for submission of Proposals is on or before the bid submission end date.</p>
ITC 17 a)	The technical Proposals shall be opened online at Hrs on.
ITC 23 d)	The presentations shall be held online using Microsoft Teams / offline within a week after opening of the technical proposals. The specific dates, time and meeting links shall be notified by the client on its website i.e. https://www.dgshipping.gov.in/ and also will be communicated via respective emails.
ITC 28 a)	The expected date of award of contract is .

Annexure I - Instructions for Online Proposal Submission

Consultants are required to submit soft copies of their Proposals electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the Consultants in registering on the CPP Portal, prepare their Proposals in accordance with the requirements and submitting their Proposals online on the CPP Portal.

REGISTRATION

1. Consultants are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “Online Consultant Enrollment” on the CPP Portal which is free of charge.
2. As part of the enrolment process, the Consultants will be required to choose a unique username and assign a password for their accounts.
3. Consultants are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPPP.
4. Upon enrolment, the Consultants will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
5. Only one valid DSC should be registered by a consultant. Please note that the Consultants are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
6. Consultant then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

1. There are various search options built in the CPP Portal, to facilitate Consultants to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the Consultants may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
2. Once the Consultants have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the Consultants through SMS / e-mail in case there is any corrigendum issued to the tender document.
3. The Consultant should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF PROPOSALS

1. Consultant should take into account any corrigendum published on the tender document before submitting their Proposals.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the Proposal. Please note the number of covers in which the Proposal documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the Proposal.
3. Consultant, in advance, should get ready the Proposal documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Proposal documents may be scanned with 100 dpi with black and white option which

helps in reducing size of the scanned document.

4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every Proposal, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the Consultants. Consultants can use “My Space” or “Other Important Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a Proposal, and need not be uploaded again and again. This will lead to a reduction in the time required for Proposal submission process.

Note: My Documents space is only a repository given to the Consultants to ease the uploading process. If Consultant has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Proposal.

SUBMISSION OF PROPOSALS

1. Consultant should log into the site well in advance for Proposal submission so that they can upload the Proposal in time i.e. on or before the Proposal submission time. Consultant will be responsible for any delay due to other issues.
2. The Consultant has to digitally sign and upload the required Proposal documents one by one as indicated in the tender document.
3. Consultant has to select the payment option as “offline” to pay the tender fee / EMD as applicable and enter details of the instrument.
4. Consultant should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of Proposal submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during Proposal submission time, otherwise the uploaded Proposal will be rejected.
5. Consultants are requested to note that they should necessarily submit their financial Proposals in the format provided and no other format is acceptable. If the price Proposal has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the Consultants. Consultants are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the Consultant). No other cells should be changed. Once the details have been completed, the Consultant should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the Consultant, the Proposal will be rejected.
6. The server time (which is displayed on the Consultants’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the Proposals by the Consultants, opening of Proposals etc. The Consultants should follow this time during Proposal submission.
7. All the documents being submitted by the Consultants would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of Proposal opening. The confidentiality of the Proposals is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any Proposal document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/Proposal opener’s public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized Proposal openers.
8. The uploaded tender documents become readable only after the tender opening by the authorized Proposal openers.

9. Upon the successful and timely submission of Proposals (i.e. after Clicking “Freeze Proposal Submission” in the portal), the portal will give a successful Proposal submission message & a Proposal summary will be displayed with the Proposal no. and the date & time of submission of the Proposal with all other relevant details.
10. The Proposal summary has to be printed and kept as an acknowledgement of the submission of the Proposal. This acknowledgement may be used as an entry pass for any Proposal opening meetings.

ASSISTANCE TO CONSULTANTS

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online Proposal submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

Consultants may avail the free training on the use of e-procurement system as per the schedule published at the following link: <https://eprocure.gov.in/cppp/trainingdisp>. In case of any further queries, please contact Shri Vikram Satre at +91-82865-87409 during office hours i.e. between 10 AM till 6 PM on weekdays.

Section 4 – Evaluation Criteria

This Section contains all the criteria that the DGS shall use to evaluate Proposals and qualify the Consultants. No other factors, methods or criteria shall be used for the purpose of evaluation.

Assessment of Eligibility

The consultant's proposals shall be first assessed for eligibility based on the eligibility criteria stipulated below. Only those consultants who are found to be eligible as per the stipulated criteria shall be considered for evaluation of technical proposals.

SN	Eligibility Criteria	Supporting Documents (to be Included in the EoI)
1	Must be either: (a) a company registered in India under the Companies Act, 1956/2013 as a Private Limited Company or a Limited Company; or (b) a Limited Liability Partnership (LLP) registered under the LLP Act, 2008; or (c) an educational or research and development institution of national repute, such as Indian Institutes of Technology (IITs) or equivalent.	Copy of the incorporation / registration certificate clearly indicating the nature of business.
2	Must possess a valid GSTN and PAN	Copies of GSTN, PAN
3	Must have a turnover of at least Rs. 10 Crores in each of the last 3 financial years, i.e. FY2022-2023, FY2023-2024 and FY2024-2025.	Audited financial statements for the past 3 financial years. Provisional statement shall be accepted in lieu of audited FS only for FY2024-25.
4	Must have completed similar project in relevant field.	Summary of relevant experiences. Completion certificates issued by the clients clearly mentioning the name of the assignment, scope of work, area of the project, value of the contract, etc. In case the scope of work is not elaborated / area of the project covered is not mentioned in the completion certificate, corresponding contract agreement may be submitted.
5	Must not be presently debarred / blacklisted by any procuring entity under the central government including PSUs and autonomous entities or by state governments or by multilateral agencies such as The World Bank, Asian Development Bank, etc.	Self-declaration of not having been debarred / blacklisted by any of the entities mentioned in this criterion at present.
6	EMD or Bid security	Bid Security/Earnest Money Deposit of INR 60,000/- (Indian Rupees Sixty Thousand only), in favour of " The Directorate General of Shipping " should be submitted in the form of Demand Draft valid for 90 days, drawn on a scheduled commercial bank i) payable to Directorate General of Shipping and ii) payable at Mumbai. Or if the Consultant is exempted from submission of EMD under the notification O.M. No. F.9/4/2020-PPD dated

		12/11/2020 :- Bid Security Declaration shall be submitted duly signed on the letterhead of the bidder, in the prescribed format attached as Annexure 3 with this RFP. The original EMD or the Bid Declaration (as applicable) is to be submitted in sealed cover superscripting name of the work on the cover to the Directorate General of Shipping, 9th Floor Beta Building, i-Think Techno Campus, Kanjurmarg (East), Mumbai – 400042 before due date and time of this tender.
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Technical Evaluation Process

1. Preliminary Examination of Proposals and Determination of Responsiveness

The evaluation committee shall carry out the preliminary examination of Proposals and shall determine the responsiveness of Proposals based as per the procedure stipulated under ITC.

1. Evaluation Criteria (QCBS)

The DGS shall evaluate the **technical proposals** on the basis of the following criteria:

Sl. No.	Evaluation Criteria	Sub-Criteria Description /	Max Marks
1	Relevant Experience of the Firm		25
1.1	Experience in GIS portal development projects with national or state government entities	Minimum 2 projects; attach work orders or completion certificates	10
1.2	Experience in developing geospatial standards, frameworks, or NSDI-aligned guidelines	At least 1 completed project in last 5 years	10
1.3	Experience in working with maritime/port/transport large-scale infrastructure datasets	Relevant documentation, maps, or case studies	5
2	Qualifications and Experience of Key Experts		35
2.1	Educational Qualifications (Master's or higher in Geospatial Sciences/GIS/Remote Sensing or equivalent)	Each expert – 5 marks (max 10)	10
2.2	Professional Experience in GIS, NSDI/GSDI projects, or creation of large-scale geospatial data frameworks and standards	Each expert – 10 marks (min 8 years of experience)	20
2.3	Contributions to geospatial community (publications, conference presentations, memberships)	Each expert – 2.5 marks (max 5)	5
3	Proposed Methodology, Approach, and Work Plan		20
3.1	Understanding of objectives and challenges in geospatial data	Clarity and context of proposed technical	5

	standardization	approach	
3.2	Detailed work plan including deliverables, Gantt chart, resource plan, and risk mitigation strategy	Timelines, task dependencies, resource deployment strategy	10
3.3	Proposed framework for stakeholder engagement and coordination	SOPs for consultations, governance model, and awareness campaigns	5
4	Technology & Tools Expertise		10
4.1	Proven expertise in ArcGIS, QGIS, GeoServer, PostGIS, and spatial databases	Project examples or certifications	5
4.2	Use of open standards (OGC, ISO 19115), interoperability protocols (WMS/WFS/WCS), and metadata tools	Description of tools and compliance in previous projects	5
5	Presentation (During Technical Evaluation)		10
5.1	Clarity of presentation, team coherence, and responsiveness during Q&A session. Live demo/walkthrough of similar GIS platforms done in past (if permitted)	Based on evaluation committee scoring	10

Consultants must ensure that the documentary evidence submitted by them as part of their technical proposal must provide necessary information in adequate details to establish the facts without a scope for doubt. Any scanned documents being submitted must possess adequate resolution to ensure legibility without confusion. In case any information necessary for establishing Consultant's qualifications is not clear from the documents submitted, the evaluation committee's interpretation in that regard shall be final. Incomplete or unclear documents may lead to disqualification of the Consultant.

The minimum qualifying technical score is 70 out of 100. Financial proposals of only those consultants shall be opened who obtain at least 70 marks in the technical evaluation.

Combined Evaluation Process (QCBS)

1. Minimum qualifying technical score

Only those consultants who obtain at least 70 marks out of 100 in the technical evaluation process shall be eligible for financial bid opening.

2. Weights for Quality and Cost

For the purpose of combined evaluation, the following weights shall be considered:
Technical Score: 70%; Financial Score: 30%

3. Calculation of weighted technical score

For calculation of weighted technical score, consultant's technical score out of 100 shall be multiplied by a factor of **0.70**. Thus, for example, a consultant obtaining 80 marks out of 100 in its technical evaluation would have a weighted score of 56 out of 70.

4. Calculation of weighted financial score

For calculation of financial score, the lowest financial proposal shall be accorded a financial score of 100 out of 100 and all other bidders shall be given proportionate scores. An illustrative example is provided below:

Consultant Name	Price Quoted	Financial Score out of 100
Consultant A	Rs. 50,00,000	$= \frac{40,00,000}{50,00,000} \times 100 = 80$
Consultant B	Rs. 40,00,000	100
Consultant C	Rs. 60,00,000	$= \frac{40,00,000}{60,00,000} \times 100 = 66.67$

After calculating the financial score out of 100, the weighted financial score shall be calculated by multiplying the financial score by a factor of **0.30**. Thus, for example, a consultant obtaining 80 marks out of 100 would have a weighted financial score of 24 out of 30.

5. Combined evaluation and recommendation for award of contract

The combined evaluation score shall be the sum of weighted technical and weighted financial scores. An example of weighted scores and combined scores is given below:

Consultant	Technical Score	Weighted Technical Score (0.70)	Financial Score	Weighted Financial Score (0.30)	Combined Score
A	80	56	100	30	86
B	90	63	90	27	90

The consultant obtaining the highest combined score shall be recommended for award of contract by the evaluation committee.

Section 5 – Terms of Reference

Background of the project

Port areas are complex environments where maritime trade, infrastructure management, environmental monitoring, and operational safety converge. Historically, port data ranging from land boundaries and asset inventories to environmental sensor readings and infrastructure blueprints has been managed in isolated systems. This fragmentation leads to inefficiencies, duplicate efforts, and critical data gaps.

To address these challenges, the Directorate General of Shipping (DGS) proposes the development of a centralized Geospatial Portal for all 251 Indian Ports. This portal will serve as a unified repository that consolidates multiple data layers from diverse sources into one accessible platform for governing Safety and Security of Ports. The integrated system will enable stakeholders such as government agencies, port operators, and private sector partners to access detailed spatial and attribute data for improved decision-making, enhanced operational management, regulatory compliance and governing Safety & Security of Indian Ports.

The portal will integrate spatial data on both the land and water extents of port areas along with detailed attribute information. These layers include a few attributes as follows:

- **Physical Boundaries:** Land areas and water limits delineating the operational extents of the port.
- **Infrastructure Layers:** Detailed representations of berths, jetties, connectivity networks (road, rail, pipelines, utilities), and support facilities (administrative buildings, residential quarters, emergency centers).
- **Operational and Asset Inventories:** Digitized inventories for port-specific assets, including project information, maintenance zones (e.g., dredging, wastewater treatment), and asset management records.
- **Environmental and Safety Layers:** Coastal regulatory zones, tide lines (high/low), hazard boundaries, and marine protected areas (e.g., mangroves), along with emergency evacuation routes and inundation zones.
- **Topographical and Survey Data:** Digital elevation models, contour maps, and proposed versus existing layouts that inform planning and infrastructure design.

By consolidating these data layers **which is not exhaustive**, the portal will not only improve operational efficiency and planning but also enhance transparency, facilitate data-driven decision-making, and ensure regulatory compliance. The solution will be built using internationally recognized standards to ensure interoperability and ease of future integration. The list of Data Layers defined so far is provided

in detail in **Annexure II**.

Objectives and Scope of Work

Roles Required for Framework and Guidelines Development for Geospatial Portal

A. GIS Consultant/Experts- 2 resources required – for Developing Framework and Guidelines for Geospatial Data Standards

The Two selected **GIS Consultants/Experts** will serve as a domain expert responsible for the strategic and technical inputs into the design, development, and execution of a geospatial portal framework and guidelines.

Role & Responsibilities:

- Design and develop the Geospatial Portal framework and technical guidelines.
- Aligning GSDI concepts, standards, and processes with NSDI implementation goals.
- Defining standard practices for metadata, data interoperability, and data exchange.
- Ensuring that the geospatial portal is developed on a robust and nationally consistent infrastructure.
- Integrate spatial datasets from maritime, port, and regulatory bodies.
- Standard operating procedures (SOPs) for data collection, storage, and sharing.
- Protocols for data integration and portal development.
- Coordinate with relevant authorities to align with the National Geospatial Policy.
- Support capacity building and stakeholder awareness programs.
- Prepare technical documentation, workflows, and governance models.

Key Skills:

- Proficiency in GIS tools (ArcGIS, QGIS, GeoServer, Mapbox).
- Strong understanding of spatial data standards (OGC, ISO 19115).
- Familiarity with web mapping APIs, remote sensing, and satellite data.
- Experience in portal development, backend spatial databases (PostGIS, Oracle Spatial).
- Excellent communication and collaboration skills across technical and regulatory teams.

Qualifications:

- Demonstrated expertise in GIS, remote sensing, and geospatial data infrastructure.
- Proven experience with GSDI and NSDI projects, particularly in mapping and integration of global and national spatial data frameworks.
- Knowledge of international geospatial standards (e.g., OGC, ISO19115) and successful implementation of interoperability protocols.
- Prior involvement in government or large-scale GIS portal development projects.
- Experience in stakeholder consultation, policy development, and training program design.
- Excellent communication, report-writing, and presentation skills.

Desirable:

- Advanced degree (PhD/Master's) in Geospatial Sciences, GIS, or a related field.

- Publications or recognized contributions within the geospatial community (e.g., GSDI Association, FGDC).

B. Scope of Services

The **Scope of Services** outlines the activities, deliverables, timeline, and quality standards for GIS Consultants engaged in developing frameworks and guidelines for geospatial data standards in support of the national Geospatial Portal. The GIS Consultants will design and develop the portal architecture, establish metadata and interoperability standards, integrate spatial datasets, define SOPs, and coordinate governance and capacity-building activities aligned with National Spatial Data Infrastructure (NSDI) objectives. The selected consultancy firm will deploy two GIS experts who will be entrusted with the following comprehensive responsibilities:

The KPI's are as follows:

- Establish a robust, nationally consistent framework and technical guidelines for the Geospatial Portal.
- Align geospatial data standards, processes, and best practices with NSDI implementation goals.
- Ensure seamless interoperability and exchange of spatial data across maritime, port, regulatory, and other domain stakeholders.
- Develop governance models, SOPs, and capacity-building programs to sustain and evolve the portal.

1. Framework & Technical Guidelines

- Design the overall portal architecture including system layers, data models, APIs, and user interfaces.
- Draft comprehensive technical guidelines covering standards adoption (OGC, ISO 19115 series, INSPIRE, etc.), recommended tools, and platform requirements.
- Define data hosting, security, backup, and performance requirements ensuring national consistency and reliability.

2. Standards Alignment

- Review existing GSDI concepts and NSDI strategic plans; recommend necessary enhancements to meet portal objectives.
- Map NSDI goals to specific standards for data quality, metadata (ISO 19115/19139), spatial reference systems, and thematic schemas.
- Develop a gap analysis report and roadmap for transitioning from current practices to standardized workflows.

3. Metadata, Interoperability & Data Exchange

- Define metadata templates and mandatory attribute sets for spatial and non-spatial assets.
- Establish interoperability protocols (WMS, WFS, WCS, RESTful services) and data exchange formats (GML, GeoJSON, shapefile, etc.).
- Create validation routines and quality control checklists for data ingestion and service publishing.

4. Infrastructure Consistency & Robustness

- Specify hardware, virtualization, containerization, and cloud architecture recommendations.
- Outline network, server clustering, load balancing, and disaster recovery mechanisms.
- Provide guidelines for monitoring, logging, and metrics to ensure high availability and performance.

5. Spatial Dataset Integration

- Identify and prioritize maritime, port authority, and regulatory spatial datasets for integration.
- Define ingestion pipelines, ETL processes, and harmonization methods to standardize coordinate systems, attributes, and topology.
- Develop data lineage documentation and provenance tracking mechanisms.

6. Standard Operating Procedures (SOPs)

- Draft SOPs for field data collection (GPS, drones, survey), including QA/QC checks.
- Define data storage protocols (database schemas, versioning, backup schedules).
- Outline data sharing policies, access controls, licensing, and user roles.

7. Protocols for Data Integration & Portal Development

- Create step-by-step guidelines for customizing the portal codebase, theme, and modules.
- Establish integration protocols for third-party systems (e.g., regulatory databases, real-time sensor feeds).
- Provide developer documentation, sample code snippets, and API references.

8. Governance & Coordination

- Engage with national and relevant state/sectoral authorities to ensure policy alignment (National Geospatial Policy, data sharing agreements).
- Facilitate workshops and working groups to validate standards and gather stakeholder feedback.
- Recommend governance model (steering committee, technical working group, data custodianship roles).

9. Capacity Building & Stakeholder Awareness

- Design training curricula for portal administrators, data stewards, and end-users.
- Develop materials (presentations, manuals, e-learning modules) for workshops and webinars.
- Plan a phased roll-out of training, including pilot sessions and feedback mechanisms.

10. Technical Documentation & Workflows

- Prepare detailed documentation of system architecture, data models, and operational workflows.
- Provide user manuals, installation guides, and troubleshooting FAQs.
- Deliver governance frameworks, policy briefs, and standardized templates.

Deliverables/ outcomes

1. **Inception Report:** Project plan, stakeholder matrix, and gap analysis.

2. **Framework Document:** Portal architecture diagrams and technical guidelines.
3. **Standards Alignment Report:** Metadata templates and interoperability schemas.
4. **Integration Plan:** Data inventory, ETL processes, and provenance workflows.
5. **SOP Manual:** Field, storage, sharing SOPs, and QA/QC checklists.
6. **Developer Protocols:** API docs, code samples, and integration guidelines.
7. **Governance Model:** Committee charters, roles, and policy alignment matrix.
8. **Training Materials:** Curricula, presentations, user guides.
9. **Final Report:** Consolidated documentation and handover package.

Phases and Timelines of Geospatial

To fit the entire project into a three-month (12-week) timeframe, the work is organized into three phases, each spanning four weeks:

Phase & Period	Deliverables	Duration	Milestone Date
Phase 1: Month 1	- Inception Report- Framework Document	4 weeks	End of Week 4 (Month 1)
Phase 2: Month 2	- Standards Alignment Report- Integration Plan- SOP Manual	4 weeks	End of Week 8 (Month 2)
Phase 3: Month 3	- Developer Protocols- Governance Model- Training Materials- Final Report	4 weeks	End of Week 12 (Month 3)

Each milestone will be reviewed and approved by the Steering Committee before proceeding to the next phase. Feedback cycles and minor adjustments are built into each phase to maintain agility and ensure alignment with stakeholder expectations.

The 12-week (three-month) schedule is broken down into detailed weekly activities, deliverables, and review points to ensure transparency and timely progress.

Month 1 (Weeks 1–4)

- **Week 1**
 - Project kick-off workshop, stakeholder interviews, and data collection kick-off
 - Finalize detailed Inception Report outline
 - Set up project repository and communication channels
 - **Deliverable:** Inception Report outline and interview summary
- **Week 2**
 - Draft Inception Report: stakeholder matrix, preliminary gap analysis, and project plan
 - Begin high-level portal architecture sketches
 - **Deliverable:** Draft Inception Report
- **Week 3**
 - Complete gap analysis and validate with core stakeholders
 - Develop initial Framework Document sections (system layers, data model overview)
 - **Deliverable:** Gap Analysis report and Framework Document draft (Sections 1–2)

- **Week 4**
 - Steering Committee review of Inception Report and Framework draft
 - Incorporate feedback and finalize both documents
 - **Milestone:** Approved Inception Report & Framework Document
 - **Deliverables:** Final Inception Report; Framework Document (complete draft)

Month 2 (Weeks 5–8)

- i. **Week 5**
 - Begin Standards Alignment: map NSDI goals to ISO/OGC standards
 - Draft metadata templates and interoperability protocols
 - **Deliverable:** Draft Standards Alignment Report (Sections 1–2)
- ii. **Week 6**
 - Conduct review workshop on metadata and interoperability drafts
 - Develop SOP Manual outline (data collection, storage, sharing)
 - **Deliverables:** Revised Standards Alignment draft; SOP Manual outline
- iii. **Week 7**
 - Define data integration plan: inventory datasets, design ETL pipelines
 - Draft Integration Plan document (data lineage, harmonization methods)
 - **Deliverable:** Integration Plan draft
- iv. **Week 8**
 - Steering Committee review of Standards Alignment Report, SOP Manual, and Integration Plan
 - Finalize and publish reports
 - **Milestone:** Approved Standards Alignment, SOP Manual & Integration Plan
 - **Deliverables:** Final Standards Alignment Report; SOP Manual; Integration Plan

Month 3 (Weeks 9–12)

- **Week 9**
 - Draft Developer Protocols: API references, code snippets, development guidelines
 - Begin Governance Model design (roles, committees, policy alignment)
 - **Deliverables:** Developer Protocols draft; Governance Model outline
- **Week 10**
 - Facilitate governance workshop with authorities and data custodians
 - Develop training curricula and materials outline
 - **Deliverables:** Governance Model draft; Training plan outline
- **Week 11**
 - Finalize Developer Protocols and Governance Model based on feedback
 - Produce training materials: presentations, manuals, e-learning modules
 - **Deliverables:** Final Developer Protocols; Governance Model; Training Materials
- **Week 12**
 - Compile Final Report: consolidate all documents, workflows, and governance frameworks
 - Conduct handover workshop and obtain formal sign-off
 - **Milestone:** Project completion and handover
 - **Deliverable:** Final Report and Handover Package

Throughout each week, the GIS Consultants will provide a concise progress update, and any change requests will be logged and addressed in the next review cycle to maintain agility and stakeholder alignment.

Key Deliverables and Payment Milestones:

Milestone	Deliverable	Timeline (weeks)T = date of commencement of services	Payment Milestone(% of contract value)
1	Inception Report (Project plan, stakeholder matrix, gap analysis)	T+Week 1	30% on completion of Milestone 1& 2.
2	Framework Document (Portal architecture diagrams and technical guidelines)	T+ Week 4	
3	Standards Alignment Report (Metadata templates, interoperability schemas)	T+Week 6	30 % on completion of Milestone 3 &4.
4	SOP Manual (Field, storage, sharing SOPs, QA/QC checklists)	T+ Week 8	
5	Integration Plan (Data inventory, ETL, harmonization workflows)	T+Week 9	40% on completion of Milestone 5,6,7 & 8.
6	Developer Protocols (API docs, code samples, integration guidelines)	T+ Week 10	
7	Governance Model & Training Materials (Committees, policy matrix, training modules)	T+ Week 11	
8	Final Report and Handover Package (All consolidated documents, sign-off)	T+Week 12	

Key Experts

SN	Key Expert	Essential Qualifications
1	GIS Consultant/Expert	B.Tech or Master's degree from a reputed national institute. Minimum 5 years of relevant experience in GIS based projects, GSDI and NSDI Projects. Advanced degree (PhD/Master's) in Geospatial Sciences or GIS, is desirable.

2	GIS Consultant/ Expert	B.Tech or Master's degree from a reputed national institute. Minimum 5 years of relevant experience in GIS based projects, GSDI and NSDI Projects. Advanced degree (PhD/Master's) in Geospatial Sciences or GIS, is desirable.
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Support Provided by Client

- The client shall provide office space to the consultant's team. Laptops and peripherals are to be provided to its team by the consultant.
- The client shall provide access to relevant documentation, reports, budget documents, etc. to enable consultant's team to prepare a comprehensive vision document.
- The client shall grant necessary access permissions to the consultant's team to visit DGS office and other parts of the premises for carrying out field visits.

The client shall make available its conference hall facility which is equipped with standard hardware to carry out offline and online consultations with stakeholder

Penalty Clause and Service Level Agreement (SLA)

1. Purpose of SLA

This SLA defines the **expected performance standards, delivery timelines, and quality metrics** for the GIS Consultants/Experts providing services for the Geospatial Portal. It also outlines penalties for non-compliance or delays.

2. Definitions

- **Client:** Directorate General of Shipping (DGS)
- **Consultant/Firm:** Selected entity providing GIS consultancy services.
- **SLA:** Service Level Agreement
- **CMC:** Contract Monitoring Committee
- **T:** Date of commencement of services
- **Working Day:** Monday to Friday, excluding public holidays

3. Service Levels & Key Performance Indicators (KPIs)

Service Area	KPI	Target	Monitoring Method
Timely Deliverables	Submission of phase deliverables per schedule	100% on or before deadline	Milestone reports to CMC
Quality Deliverables of	Compliance with NSDI/GSDI/OGC/ISO 19115	100% compliance	Quality audit by CMC
Stakeholder Engagement	Workshop attendance and feedback	Minimum 90% positive feedback	Workshop reports

Portal Framework Readiness	Framework and SOP completeness	100% by end of Phase 1	Evaluation by CMC
Governance & Training	Completion of modules and sessions	100% before handover	Attendance & material review

4. Penalty Clauses

4.1 Delayed Deliverables

Delay Period	Penalty (% of related milestone value)
1–7 calendar days	1% per day of delay
8–14 calendar days	2% per day of delay
15–21 calendar days	3% per day of delay
Beyond 21 days	Termination clause applicable (see below)

- Penalty will be **deducted from the milestone payment** corresponding to the delayed deliverable.

4.2 Substandard or Incomplete Deliverables

If a deliverable fails to meet quality standards (as assessed by the CMC):

Non-compliance Severity	Penalty
Minor (fixable within 2 days)	No deduction from milestone
Major (needs rework or resubmission)	5% deduction + resubmission required
Critical (failure after rework)	Milestone not paid + possible contract termination

4.3 Non-Availability of Key Experts

Incident	Penalty
Key expert absent >5 working days without notice	₹2,000/day
Replacement of expert without client approval	₹10,000 flat penalty
Failure to deploy both GIS experts as agreed	₹1,00,000/month or part thereof

4.4 Breach of Confidentiality or Unauthorized Data Sharing

- ₹5,00,000 per incident + immediate contract review

- **6. Termination Conditions**

The client reserves the right to terminate the contract under the following conditions:

Condition	Notice Period
Delay > 30 days in any phase	7 days
3 or more major SLA breaches	15 days
Proven breach of data security/confidentiality	Immediate

****Note regarding Contract Monitoring Committee (CMC) and its role and responsibilities:****

The Procuring Entity shall constitute a CMC comprising at least three members at the appropriate level, including the user's representative, after the selection procedure is over for monitoring the progress of the assignment. If considered appropriate, the Procuring Entity may select all or any of the members of CEC as members of CMC. The Procuring Entity may also include individual experts from the government/private sector/ educational/research institute or individual consultant/ service providers in the CMC. The cost of such members, if any, shall be borne by the Procuring Entity. The CMC shall be responsible for monitoring the progress of the assignment, to oversee that the assignment is carried out as per the contract, to assess the quality of the deliverables, to accept/reject any part of assignment, to levy appropriate liquidated damages or penalty if the assignment is not carried out as per the contract and if the quality of services is found inferior and for any such deficiency related to the completion of the assignment.

For the assignments which are very complex and/or are of highly technical nature, the Procuring Entity may decide to appoint another qualified consultant/ service provider to assist the CMC in carrying out its functions. Monitoring the progress of Assignment entails following activities:

- i. Issuing the notice to proceed;
- ii. Review of the inception phase;
- iii. Deciding on possible modifications to scope of work and issuing contract variations;
- iv. Monitoring progress of assignment, monitoring that key experts are actually employed; reports and their review including review of draft final report and the final report to ensure that assignment (whether time-based or lump-sum) is completed in accordance with the contract;
- v. Billing, payment and monitoring the expenditure vis-à-vis progress;
- vi. Resolving problems faced by consultants/ service providers and dealing with disputes and arbitration;
- vii. Terminating services prior to the end of the contract; and
- viii. Release of final payment and guarantees (if any) and closing the contract;
- ix. Post contract evaluation.

Section 6 – Bidding Forms

SN	Name of the Form	Page No.
1	Letter of Proposal	
2	Checklist of documents comprising Proposal	
3	Consultant's Past Experience Details	
4	Proposed Approach, Methodology and Work Plan	
5	Team Composition and Task Assignments	
6	CVs of Proposed Key Experts	
7	Staffing Schedule	
8	Proposed Knowledge Transfer Plan	
9	Financial Proposal Format	Uploaded Separately as a .xlsx file
10	Tech 8 Form	
11	Bid Security Declaration	

1. Letter of Proposal

The Consultant must prepare the Letter of Proposal on its letterhead clearly showing the Consultant's complete name and address.

Note: All italicized text is for use in preparing these forms and shall be deleted from the final products.

Date:

Proposal Ref. No.:

To,

Directorate General of Shipping, 9th Floor Beta Building,

i-Think Techno Campus, Kanjurmarg (East), Mumbai - 400 042 (India)

Tel. No. : 91-22-25752040/41/42/43/45 Fax.No. :91-22-25752029/35; Email: dgship-dgs[at]nic[dot]in

1. We have examined and have no reservations to the Request for Proposals, including Addenda issued in accordance with Instructions to Consultants;
2. We meet the eligibility requirements in accordance with ITC 4 and have no Conflict of Interest in accordance with GFR 175;
3. We offer to provide, in conformity with the Request for Proposals, the following Consultancy Services: <enter name>
4. Our final price offer is as submitted in our financial Proposal.
5. Our Proposal shall remain valid for 180 days from the last date of submission of the Proposal and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
6. We are not participating, as a consultant or as a sub-consultant, in more than one proposal in this bidding process;
7. We, along with any of our sub-consultants, key experts or joint venture partners for any part of the contract, are not debarred by any Client under the State Government, the Central Government or any State Government or any Public Undertaking, Autonomous body, Authority by whatever name called under them;
8. We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any activities which is in contravention of the Code of Integrity proscribed in GFR 175;
9. We hereby certify that we neither are associated nor have been associated directly or indirectly with the consultant or any other individual or entity that has prepared the design, specifications and other documents for the subject matter of procurement or is being proposed as Project Manager for the contract from the DGS;
10. We hereby certify that we have fulfilled our obligations to pay all such taxes as payable to the Central Government or the State Government or any local authority;
11. We hereby certify that we are not insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and must not be the subject of legal proceedings for any of the foregoing reasons;
12. We hereby certify that our directors and officers have not been convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a procurement contract within a

period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;

13. We understand that this Proposal, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and
14. We understand that DGS is not bound to accept the highest evaluated Proposal or any other Proposal that DGS may receive and that the decision of the DGS shall be final & binding.

Name of the Consultant:

Name of Consultant's Authorized Signatory:

Designation of the person signing the Proposal:

Signature of the person named above

Date signed

2. Checklist of documents comprising Proposal

SN	Document	Included (Y/N)	Page No.
1	Eligibility Documents		NA
2	Letter of Proposal		
3	Checklist of documents comprising Proposal		
4	Consultant's Past Experience Details		
5	Proposed Approach, Methodology and Work Plan		
6	Team Composition and Task Assignments		
7	CVs of Proposed Key Experts		
10	Financial Proposal (to be uploaded in a separate folder)		NA

3. Consultant's Past Experience Details

[Using the format below, provide information on each assignment for which your firm, and each associate for this assignment, was legally contracted as a corporate entity or as one of the major companies within an association, for carrying out consulting services similar to the ones requested under this assignment. Up to 20 pages.]

Assignment name:	Approx. value of the contract (in INR)
Country: Location within country:	Duration of assignment (months):
Name of Client:	Total Number of staff-months of the assignment:
Address:	Approx. value of the services provided by your firm under the contract (in INR):
Start date (month/year): Completion date (month/year):	Number of professional staff-months provided by associated Consultants:
Name of associated Consultants, if any:	Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as Project Director/Coordinator, Team Leader):
Narrative description of Project:	
Description of actual services provided by your staff within the assignment:	

4. Proposed Approach, Methodology and Work Plan

[Present and justify here any modifications or improvement to the Terms of Reference you are proposing to improve performance in carrying out the assignment (such as deleting some activity you consider unnecessary, or adding another, or proposing a different phasing of the activities). Such suggestions should be concise and to the point, and incorporated in your Proposal.]

[Comment here on counterpart staff and facilities to be provided by the Client including: administrative support, office space, local transportation, equipment, data, etc.]

[Technical approach, methodology and work plan are key components of the Technical Proposal. You are suggested to present your Technical Proposal (up to 40 pages, inclusive of charts and diagrams) divided into the following three chapters:

- a) Technical Approach and Methodology,*
- b) Work Plan, and*
- c) Organization and Staffing,*
- d) Proposed Methodology*

a) Technical Approach and Methodology. In this chapter you should explain your understanding of the objectives of the assignment, approach to the services, methodology for carrying out the activities and obtaining the expected output, and the degree of detail of such output. You should highlight the problems being addressed and their importance, and explain the technical approach you would adopt to address them. You should also explain the methodologies you propose to adopt and highlight the compatibility of those methodologies with the proposed approach.

b) Work Plan. In this chapter you should propose the main activities of the assignment, their content and duration, phasing and interrelations, milestones (including interim approvals by the Client), and delivery dates of the reports. The proposed work plan should be consistent with the technical approach and methodology, showing understanding of the TOR and ability to translate them into a feasible working plan. A list of the final documents, including reports, drawings, and tables to be delivered as final output, should be included here. The work plan should be consistent with the Work Schedule of Form TECH-8.

c) Organization and Staffing. In this chapter you should propose the structure and composition of your team. You should list the main disciplines of the assignment, the key expert responsible, and proposed technical and support staff.]

d) The Consultant's proposed methodology shall include a specific section detailing the approach for ensuring and demonstrating alignment with the National Geospatial Policy throughout the project lifecycle, and an explicit plan for the rigorous implementation, validation, and reporting of data quality assurance processes, including frequency and metrics for validation routines and quality control checklists.

5. Team Composition and Task Assignments

Professional Staff				
Name of Staff	Firm	Area of Expertise	Position Assigned	Task Assigned

6. CVs of Proposed Key Experts

1. **Proposed Position** *[only one candidate shall be nominated for each position]:* _____
2. **Name of Firm** *[Insert name of firm proposing the staff]:* _____

3. **Name of Staff** *[Insert full name]:* _____
4. **Date of Birth:** _____ **Nationality:** _____
5. **Education** *[Indicate college/university and other specialized education of staff member, giving names of institutions, degrees obtained, and dates of obtainment]:* _____

6. **Membership of Professional Associations:** _____

7. **Other Training** *[Indicate significant training since degrees under 5 - Education were obtained]:* _____

8. **Countries of Work Experience:** *[List countries where staff has worked in the last ten years]:* _____

9. **Languages** *[For each language indicate proficiency: good, fair, or poor in speaking, reading, and writing]:* _____

10. **Employment Record** *[Starting with present position, list in reverse order every employment held by staff member since graduation, giving for each employment (see format here below): dates of employment, name of employing organization, positions held.]:*

From [Year]: _____ To [Year]: _____

Client: _____

Positions held: _____

11. Detailed Tasks Assigned	12. Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned <i>[Among the assignments in which the staff has been involved, indicate the following information for those assignments that best</i>
------------------------------------	--

<p>[List all tasks to be performed under this assignment]</p>	<p><i>illustrate staff capability to handle the tasks listed under point 11.]</i></p> <p>Name of assignment or project: _____</p> <p>Year: _____</p> <p>Location: _____</p> <p>Client: _____</p> <p>Main project features: _____</p> <p>Positions held: _____</p> <p>Activities performed: _____</p>
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13. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

[Signature of staff member or authorized representative of the staff]

Date: _____
Day/Month/Year

Full name of authorized representative: _____

TECH-8

1. Introduction to Manpower Deployment

2. Objective and Scope of Workplan

3. Manpower Resource Allocation

4. Roles and Responsibilities

5. Deployment Timeline and Milestones

6. Shift Planning and Scheduling

7. Performance Monitoring and Reporting

8. Training and Capacity Building

9. Risk Management in Deployment

10. Evaluation and Continuous Improvement

Form of Bid Security Declaration

{Use Company Letterhead}

BID SECURITY DECLARATION

I/We, M/s (Name of bidder) am/are aware that I/We have been exempted from submission of Bid Security/Earnest Money Deposit in lieu of this Bid Security Declaration. I/We understand and accept that if I/We withdraw my/our bid within bid validity period or if awarded the tender and on being called upon to submit the performance Guarantee/Performance Security fail to submit the same within the stipulated time period mentioned in tender documents or on being called upon to sign the contract agreement fail to sign the same within stipulated period mentioned in tender documents, I/We i.e., the bidder shall be banned from submission of bids in any Works/Service Tender issued by DGS for a period of 24 months from the date of such banning order.

Authorized Signatory
Sign and Stamp

Section 7 – General Conditions of Contract (GCC)

1. General Provisions	
1.1 Definitions	<p>Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings:</p> <ul style="list-style-type: none"> a) “Completion Date” means the date of completion of the Services by the Consultant as certified by the Client; b) “Contract” means the Contract signed by the Parties, to which these General Conditions of Contract (GCC) are attached, together with all the documents listed in Clause 1 of such signed Contract, as named in SCC; c) “Contract Price” means the financial proposal of the successful Consultant duly accepted by the client; d) “Client” means the agency, as named in SCC, that signs the Contract for the Services with the Selected Consultant; e) “Consultant” means a legally-established professional consulting firm or entity selected by the Client to provide the Services under the signed Contract as specified in SCC; f) “Day” means a working day unless indicated otherwise. g) “Experts” means, collectively, Key Experts, Non-Key Experts, or any other Experts of the Consultant, Sub-consultant or JV member(s) assigned by the Consultant to perform the Services or any part thereof under the Contract; h) “GCC” means these General Conditions of Contract; i) “Party” means the Client or the Consultant, as the case may be, and “Parties” means both of them; j) “Consultant’s Proposal” means the completed Request for Proposals submitted by the Consultant to the Client; k) “SCC” means the Special Conditions of Contract by which the GCC may be amended or supplemented; l) “Services” means the work to be performed by the Consultant pursuant to this Contract, as described in Appendix A – Terms of Reference; m) “Third Party” means any person or entity other than the Government, the Client, the Consultant or a Sub-consultant.
1.2 Applicable Law	The Contract shall be interpreted in accordance with the laws of the Union of India.
1.3 Language	This Contract has been executed in the English language, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract.
1.4 Notices	Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the SCC . The term “in writing” means communicated in written form with proof of receipt. A notice shall be effective from the date of delivery or on the notice’s effective date, whichever is later. In case of electronic mode of communication, a notice shall be effective from the time

	of sending of the electronic communication.
1.5 Location	The Services shall be performed at such locations as are specified in Appendix A hereto
1.6 Authorized Representatives	Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Client or the Consultant may be taken or executed by the officials specified in the SCC .
1.7 Authority of Member in Charge	In case the Consultant is a Joint Venture, the members hereby authorize the member specified in the SCC to act on their behalf in exercising all the Consultant's rights and obligations towards the Client under this Contract, including without limitation the receiving of instructions and payments from the Client.
1.8 Taxes and Duties	The Consultant and their Experts shall pay such taxes, duties, fees, and other impositions as may be levied under the Applicable Law, the amount of which is deemed to have been included in the Contract Price.
1.9 Code of Integrity	<p>a) The Client, the Consultant and their representatives shall strictly adhere to the code of integrity as stipulated under GFR 175.</p> <p>b) The Client requires the Consultant to disclose any commissions, gratuities or fees that may have been paid or are to be paid to agents or any other party with respect to the selection process or execution of the Contract. The information disclosed must include at least the name and address of the agent or other party, the amount and currency, and the purpose of the commission, gratuity or fee. Failure to disclose such commissions, gratuities or fees may result in termination of the Contract</p>
2. Commencement, Completion, Modification, and Termination of Contract	
2.1 Effectiveness of Contract	This Contract shall come into effect on the date the Contract is signed by both parties or such other later date as may be stated in the SCC .
2.2 Commencement of Services	
2.2.1 Program	Before commencement of the Services, the Consultant shall submit to the Client for approval a Program showing the general methods, arrangements, order and timing for all activities. The Services shall be carried out in accordance with the approved Program as updated.
2.2.2 Starting Date	The Consultant shall start carrying out the Services thirty (30) days after the date the Contract becomes effective, or at such other date as may be specified in the SCC .
2.3 Intended Completion Date	Unless terminated earlier pursuant to Sub-Clause 2.6, the Consultant shall complete the activities by the Intended Completion Date, as is specified in the SCC . If the Consultant does not complete the activities by the Intended Completion Date,

	it shall be liable to pay liquidated damage as per Sub-Clause 3.8. In this case, the Completion Date will be the date of completion of all activities.
2.4 Modification	Modification of the terms and conditions of this Contract, including any modification of the scope of the Services or of the Contract Price, may only be made by written agreement between the Parties. However, each Party shall give due consideration to any proposals for modification or variation made by the other Party.
2.5 Force Majeure	
2.5.1 Definition	For the purposes of this Contract, “Force Majeure” means an event which is beyond the reasonable control of a Party and which makes a Party’s performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.
2.5.2 No Breach of Contract	The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract insofar as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.
2.5.3 Extension of Time	Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.
2.6 Termination	
2.6.1 By the Client	<p>The Client may terminate this Contract, by not less than thirty (30) days’ written notice of termination to the Consultant, to be given after the occurrence of any of the events specified in paragraphs (a) through (d) of this Sub-Clause 2.6.1:</p> <ul style="list-style-type: none"> a. if the Consultant does not remedy a failure in the performance of its obligations under the Contract, within thirty (30) days after being notified or within any further period as the Client may have subsequently approved in writing; b. if the Consultant become insolvent or bankrupt; c. if, as the result of Force Majeure, the Consultant is unable to perform a material portion of the Services for a period of not less than sixty (60) days; or d. if the Consultant, in the judgment of the Client has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract. <p>The Consultant may terminate this Contract, by not less than thirty (30) days’ written notice to the Client, such notice to be given after the occurrence of any of the events specified in paragraphs (a) and (b) of this Sub-Clause 2.6.2:</p>
2.6.2 By the Consultant	<ul style="list-style-type: none"> a. if the Client fails to pay any monies due to the Consultant pursuant to this Contract and not subject to dispute pursuant to Clause 7

	<p>within forty-five (45) days after receiving written notice from the Consultant that such payment is overdue; or</p> <p>b. (b) if, as the result of Force Majeure, the Consultant is unable to perform a material portion of the Services for a period of not less than sixty (60) days.</p>
3. Obligations of the Consultant	
3.1 General	<p>The Consultant shall perform the Services in accordance with the Specifications and the Terms of Reference, and carry out its obligations with all due diligence, efficiency, and economy, in accordance with generally accepted professional techniques and practices, and shall observe sound management practices, and employ appropriate advanced technology and safe methods. The Consultant shall always act, in respect of any matter relating to this Contract or to the Services, as faithful adviser to the Client, and shall at all times support and safeguard the Client's legitimate interests in any dealings with Sub-Consultants or third parties.</p>
3.2 Conflict of Interests	<p>3.2.1 The Consultant shall hold the Client's interest paramount, without any consideration for future work, and strictly avoid conflict with other assignments or their own corporate interests.</p> <p>3.2.2 The Consultant agrees that, during the term of this Contract and after its termination, the Consultant and any entity affiliated with the Consultant shall be disqualified from providing goods, works or non-consulting services resulting from or directly related to the Services for the preparation or implementation of the project, unless otherwise indicated in the SCC.</p> <p>3.2.3 The payment of the Consultant pursuant to GCC shall constitute the Consultant's only payment in connection with this Contract and the Consultant shall not accept for its own benefit any trade commission, discount or similar payment in connection with activities pursuant to this Contract or in the discharge of its obligations hereunder, and the Consultant shall use its best efforts to ensure that any Sub-consultants, as well as the Experts and agents of either of them, similarly shall not receive any such additional payment.</p> <p>3.2.4 Furthermore, if the Consultant, as part of the Services, has the responsibility of advising the Client on the procurement of goods, works or services, the Consultant shall comply with the applicable rules and guidelines of the Government of India, and shall at all times exercise such responsibility in the best interest of the Client. Any discounts or commissions obtained by the Consultant in the exercise of such procurement responsibility shall be for the account of the Client.</p> <p>3.2.5 The Consultant shall not engage, and shall cause its Experts as well as its Sub-consultants not to engage, either directly or indirectly, in any business or professional activities that would conflict with the activities assigned to them under this Contract.</p> <p>3.2.6 The Consultant has an obligation and shall ensure that its Experts and Sub-consultants shall have an obligation to disclose any situation of actual or potential conflict that impacts their</p>

	capacity to serve the best interest of their Client, or that may reasonably be perceived as having this effect. Failure to disclose said situations may lead to the disqualification of the Consultant or the termination of its Contract.
3.3 Confidentiality	<p>Except with the prior written consent of the Client, the Consultant and the Experts shall not at any time communicate to any person or entity any confidential information acquired in the course of the Services, nor shall the Consultant and the Experts make public the recommendations formulated in the course of, or as a result of, the Services.</p> <p>In the event that the Firm or its representatives are requested pursuant to, or required by, applicable law or regulation or by legal or administrative process to disclose any Confidential Information, or where the Firm wishes to disclose to its professional indemnity insurers or to its advisers, the Firm agrees that it will, as far as is legally and practically possible, provide the Client with prompt notice of such request or requirement in order to enable the Client to seek an appropriate protective order or other remedy. In the event that such protective order or other remedy is not obtained, the Firm or its representatives, as the case may be, shall disclose only the portion of the Confidential Information which is legally or professionally required to be disclosed.</p>
3.4 Insurance to be Taken Out by the Consultant	The Consultant (a) shall take out and maintain, and shall cause any Sub-Consultants to take out and maintain, at its (or the Sub-Consultants', as the case may be) own cost but on terms and conditions approved by the Client, insurance against the risks, and for the coverage, as shall be specified in the SCC ; and (b) at the Client's request, shall provide evidence to the Client showing that such insurance has been taken out and maintained and that the current premiums have been paid. The Consultant shall ensure that such insurance is in place prior to commencing the Services.
3.5 Consultant's Actions Requiring Client's Prior Approval	<p>The Consultant shall obtain the Client's prior approval in writing before taking any of the following actions:</p> <ul style="list-style-type: none"> a. entering into a subcontract for the performance of any part of the Services, b. changing the Program of activities; and c. any other action that may be specified in the SCC.
3.6 Reporting Obligations	The Consultant shall submit to the Client the reports and documents specified in Appendix A , in the form, in the numbers and within the time periods set forth in the said Appendix.
3.7 Documents Prepared by the Consultant to Be the Property of the Client	3.7.1 All plans, drawings, specifications, designs, reports, and other documents and software submitted by the Consultant in accordance with Sub- Clause 3.6 shall become and remain the property of the Client, and the Consultant shall, not later than upon termination or expiration of this Contract, deliver all such documents and software to the Client, together with a detailed inventory thereof. The Consultant may retain a copy of such documents and software. Restrictions about the future use of these

	<p>documents, if any, shall be specified in the SCC.</p> <p>3.7.2 If license agreements are necessary or appropriate between the Consultant and third parties for purposes of development of the plans, drawings, specifications, designs, databases, other documents and software, the Consultant shall obtain the Client's prior written approval to such agreements, and the Client shall be entitled at its discretion to require recovering the expenses related to the development of the program(s) concerned.</p>
4. Consultant's Experts	
4.1 Description of Key Experts	<p>The titles, agreed job descriptions, minimum qualifications, and estimated periods of engagement in the carrying out of the Services of the Consultant's Key Experts are described in Appendix B. The Key Experts listed by title as well as by name in Appendix B are hereby approved by the Client.</p>
4.2 Removal and/or Replacement of Experts	<p>4.2.1 Except as the Client may otherwise agree, no changes shall be made in the Key Experts. If, for any reason beyond the reasonable control of the Consultant, it becomes necessary to replace any of the Key Experts, the Consultant shall provide as a replacement a person of equivalent or better qualifications.</p> <p>4.2.2 If the Client finds that any of the Experts have (i) committed serious misconduct or have been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Experts, then the Consultant shall, at the Client's written request specifying the grounds thereof, provide as a replacement a person with qualifications and experience acceptable to the Client.</p> <p>4.2.3 In the event that any of Key Experts, Non-Key Experts or Sub-consultants is found by the Client to be incompetent or incapable in discharging assigned duties, the Client, specifying the grounds therefore, may request the Consultant to provide a replacement.</p> <p>4.2.4 The Consultant shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Experts.</p> <p>4.2.5 Notwithstanding the above, the substitution of Key Experts during Contract execution may be considered only based on the Consultant's written request and due to circumstances outside the reasonable control of the Consultant, including but not limited to death or medical incapacity. In such case, the Consultant shall forthwith provide as a replacement, a person of equivalent or better qualifications and experience, and at the same rate of remuneration.</p>
5. Obligations of the Client	
5.1 Assistance and Exemptions	<p>The Client warrants that the Consultant shall have, free of charge, unimpeded access to the project site in respect of which access is</p>

	required for the performance of the Services. The Client shall use its best efforts to provide the Consultant such assistance and exemptions as specified in the SCC .
5.2 Services, Facilities and Property of the Client	The Client shall make available to the Consultant and the Experts, for the purposes of the Services and free of any charge, the services, facilities and property described in the Terms of Reference (Appendix A) at the times and in the manner specified in said Appendix A.
5.3 Counterpart Personnel	<p>5.3.1 The Client shall make available to the Consultant free of charge such professional and support counterpart personnel, to be nominated by the Client with the Consultant's advice, if specified in Appendix A.</p> <p>5.3.2 Professional and support counterpart personnel, excluding Client's liaison personnel, shall work under the exclusive direction of the Consultant. If any member of the counterpart personnel fails to perform adequately any work assigned to such member by the Consultant that is consistent with the position occupied by such member, the Consultant may request the replacement of such member, and the Client shall not unreasonably refuse to act upon such request.</p>
5.4 Payment Obligation	In consideration of the Services performed by the Consultant under this Contract, the Client shall make such payments to the Consultant for the deliverables specified in Appendix A and in such manner as is provided by GCC 6 below.
5.5 Change in the Applicable Law	If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost of the Services rendered by the Service Provider, then the remuneration and reimbursable expenses otherwise payable to the Consultant under this Contract shall be increased or decreased accordingly by agreement between the Parties, and corresponding adjustments shall be made to the amounts referred to in Sub-Clause 6.1.
6. Payments	
6.1 Contract Price	<p>6.1.1 The Consultant's Contract Price shall be a fixed lump-sum net of all costs incurred by the Consultant in carrying out the Services described in Appendix A. The Contract Price is set forth in the SCC. The Contract price breakdown is provided in Appendix C.</p> <p>6.1.2 Any change to the Contract price specified in Clause 6.1.1 can be made only if the Parties have agreed to the revised scope of Services pursuant to Clause GCC 2.4 and have amended in writing the Terms of Reference in Appendix A.</p>
6.2 Taxes and Duties	<p>6.2.1 The Consultant, Sub-consultants and Experts are responsible for meeting any and all tax liabilities arising out of the Contract.</p> <p>6.2.2 As an exception to the above and as stated in the SCC, the</p>

	GST is reimbursed to the Consultant.
6.3 Mode of Billing and Payment	<p>6.3.1 The total payments under this Contract shall not exceed the Contract price set forth in Clause GCC 6.1.1.</p> <p>6.3.2 The payments under this Contract shall be made in lump-sum installments against deliverables specified in Appendix A. The payments will be made according to the payment schedule stated in the SCC.</p> <p>6.3.3 The Client shall pay the Consultant within forty-five (45) days after the receipt by the Client of the deliverable(s) and the cover invoice for the related lump-sum installment payment. The payment can be withheld if the Client does not approve the submitted deliverable(s) as satisfactory in which case the Client shall provide comments to the Consultant within the same forty-five (45) days period. The Consultant shall thereupon promptly make any necessary corrections, and thereafter the foregoing process shall be repeated.</p> <p>6.3.4 The final payment under this Clause shall be made only after the final report have been submitted by the Consultant and approved as satisfactory by the Client. The Services shall then be deemed completed and finally accepted by the Client. The last lump-sum installment shall be deemed approved for payment by the Client within sixty (60) calendar days after receipt of the final report by the Client unless the Client, within such sixty (60) calendar day period, gives written notice to the Consultant specifying in detail deficiencies in the Services, the final report. The Consultant shall thereupon promptly make any necessary corrections, and thereafter the foregoing process shall be repeated.</p> <p>6.3.5 All payments under this Contract shall be made to the accounts of the Consultant specified in the SCC.</p>
6.4 Interest on Delayed Payments	If the Client had delayed payments beyond fifteen (15) days after the due date stated in Clause GCC 6.3.3, interest shall be paid to the Consultant on any amount due by, not paid on, such due date for each day of delay at the annual rate stated in the SCC .
7. Settlement of Disputes	
7.1 Amicable Settlement	The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.
7.2 Dispute Settlement	Any dispute between the Parties arising under or related to this Contract that cannot be settled amicably may be referred to by either Party to the adjudication / arbitration in accordance with the provisions specified in the SCC .
8. Good Faith	
	The Parties undertake to act in good faith with respect to each other's rights under this Contract and to adopt all reasonable measures to ensure the realization of the objectives of this

	Contract.
9. Limitation of Liability	
	The total aggregate liability of the Consultant, whether in contract, tort (including negligence) or otherwise, under or in connection with this agreement, shall in no circumstances exceed a sum equal to 110% of the contract value.
10. Indemnity	
	The Consultant shall at all times indemnify and keep indemnified the Client against all claims/damages for any infringement of any Intellectual Property Rights (IPR) while providing its services under the Contract. The Consultant shall indemnify the Client in full for any failure in performance on account of its default or non-fulfilment of its obligations and the same is performed by the client or any other agency engaged by the client. In such case all the costs and expenses incurred by the client are recoverable from the Consultant. The Client shall also indemnify the Consultant for losses/damages suffered due to any fraud, misrepresentation or omission of facts by the Client or any of its personnel.

Section 8 – Special Conditions of Contract (SCC)

Number of GCC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
1.1(b)	The contract name is
1.1(d)	The Client is <i>Directorate General of Shipping, 9th Floor Beta Building, i-Think Techno Campus, Kanjurmarg (East), Mumbai - 400 042 (India)</i>
1.1(e)	The Consultant is _____
1.4	<p>The addresses are:</p> <p>Client : Directorate General of Shipping (DGS),</p> <p>Attention: Deputy Director General, DGS Office</p> <p>E-mail: dgship-dgs[at]nic[dot]in</p> <p>Consultant:</p> <p>Attention:</p> <p>Facsimile :</p> <p>E-mail: _</p>
1.6	<p>The Authorized Representatives are:</p> <p>For the Client: _____.</p> <p>For the Consultant: <i>[name, title]</i> _____</p>
1.7	The authorized member in charge is _____
2.1	No change to the GCC clause
2.2.2	The Starting Date for the commencement of Services is seven (7) days after contract signing.
2.3	The Intended Completion Date is

3.2.2	The Client reserves the right to determine on a case-by-case basis whether the service should be disqualified from providing goods, works or non-consulting services due to a conflict of a nature described in Clause GCC 3.2.2
3.4	<p>The risks and coverage by insurance shall be:</p> <ul style="list-style-type: none"> (i) Third Party liability – as stipulated by relevant government law. (ii) Client’s liability and workers’ compensation – as stipulated in the employees’ compensation act. (iii) Professional liability – at least 110% of the Contract Price.
3.5 c.	The Consultant shall follow the protocol stipulated in the Terms of Reference regarding entering-exiting Client’s premises and for weighting and carrying the investment powder waste.
3.7	There are no specific restrictions.
5.1	The Client shall provide necessary assistance in providing gate-passes for smooth entry of the Consultant’s vehicles and employees.
6.1	The Contract Price is: _____
6.2.2	The amount of GST reimbursable to the Consultant is: _____
6.3.2	The payment schedule shall be as stipulated under Appendix A – Terms of Reference.
6.3.5	<p>Consultant’s account details for payments under the Contract are:</p> <p>Account Name: Bank Name: Branch Name: IFSC Code:</p>
6.4	The interest rate shall be 6% per annum.
7.2	Disputes shall be resolved by way of arbitration as stipulated under the Arbitration and Conciliation Act, 1996 as amended till date.

Appendix A – Terms of Reference

Refer to Section 5, Page no.-

Appendix B – Breakdown of Price

{Consultant shall insert the Breakdown of Contract Price in the BoQ (Excell file) uploaded separately in the E- Procurement portal}

Appendix C – CVs of the Key Experts

{Consultant shall insert the Key Experts' CVs here}

Section 9 – Contract Forms

1. Letter of Acceptance

{On Client's Letterhead}

Date:

To: *{Insert Name and Address of the Successful Consultant}*

Subject: Letter of acceptance of your Proposal against tender ref. no.:

This is to notify you that your Proposal dated *[insert date of Proposal submitted by the Consultant]* for the execution of services titled “ ” against RFP Ref. No. *[insert Proposal Ref. No.]* is hereby accepted by the Client for the Contract Price of Rs. *[insert amount in numbers and words]*, as evaluated in accordance with the Instructions to Consultants.

You are requested to execute the contract agreement within 28 days of receipt of this Letter. Till a contract agreement is executed, this Letter along with your accepted proposals shall constitute a valid and mutually binding contract.

Authorized Signature:

Name and Designation of Signatory:

Name of Client:

2. Form of Contract

This CONTRACT (hereinafter called the “Contract”) is made the *[number]* day of the month of *[month]*, *[year]*, between, on the one hand, **DGS, Mumbai** (hereinafter called the “Client”) and, on the other hand, *[name of Consultant]* (hereinafter called the “Consultant”).

WHEREAS

- (a) the Client has requested the Consultant to provide certain consulting services as defined in this Contract (hereinafter called the “Services”);
- (b) the Consultant, having represented to the Client that it has the required professional skills, expertise and technical resources, has agreed to provide the Services on the terms and conditions set forth in this Contract;

NOW THEREFORE the parties hereto hereby agree as follows:

- 1. The following documents attached hereto shall be deemed to form an integral part of this Contract:
 - (a) The General Conditions of Contract;
 - (b) The Special Conditions of Contract;
 - (c) Appendices:
 - Appendix A: Terms of Reference
 - Appendix B: Key Experts
 - Appendix C: Breakdown of Contract Price

In the event of any inconsistency between the documents, the following order of precedence shall prevail: the Special Conditions of Contract; the General Conditions of Contract, including Attachment 1; Appendix A; Appendix B; Appendix C. Any reference to this Contract shall include, where the context permits, a reference to its Appendices.

- 2. The mutual rights and obligations of the Client and the Consultant shall be as set forth in the Contract, in particular:
 - (a) the Consultant shall carry out the Services in accordance with the provisions of the Contract; and
 - (b) the Client shall make payments to the Consultant in accordance with the provisions of the Contract.

IN WITNESS WHEREOF, the Parties hereto have caused this Contract to be signed in their respective names as of the day and year first above written.

For and on behalf of **Directorate General of Shipping, Mumbai**

Shri Shyam Jagannathan, DGS

For and on behalf of *[Name of Consultant or Name of a Joint Venture]*

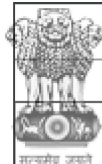
[Authorized Representative of the Consultant – name and signature]

Data Layers defined for all ports:

Sr. No.	Layer Name
1	Port Area (Land)
2	Port Limit(Water)
3	Berth / Jetty Inside Port Area
4	Lighthouses Of Port
5	SEZ Area For Port
6	Cruise Terminals In Port Area
7	Port Rail Connectivity
8	Pipeline Network In Port Area
9	Tank Farms In Port Area
10	Road Connectivity In Port Area
11	Warehouse / Sheds In Port Area
12	Administrative Buildings In Port Area
13	Quarter/Residential Areas
14	Commercial Establishments
15	Hospital And Emergency Assistance In Port Area :
16	Fire Fighting Centers Inside Port Area
17	Amenities In Port Area
18	Port Specific Layer In Port Area
19	Project Information In Port Area
20	Dredging Location / Volume
21	Historical and Archaeological Sites
22	Coastal Erosion Zones
23	Marine Protected Areas
24	Underwater Cables and Pipelines
25	Port Wastewater Treatment Plants
26	Oil Spill Containment Zones
27	Storm water Management Areas
28	Floating Structures and Facilities
29	Public Access Areas
30	Anchorage Areas
31	Port Security Zones
32	Marine Fueling Stations
33	Emergency Evacuation Routes and Safe Zones
34	Tsunami Inundation Zones
35	Utilities Network
36	Electric Poles
37	CCTV Surveillance
38	Parking Spaces
39	Open Spaces
40	Trees

41	HT Lines / Towers
42	Fueling Stations
43	Sensitive Areas
44	Contours
45	Digital Elevation Model
46	High Resolution Image
47	Establishing TBM for Maintaining Uniformity of Levels Across the Areas
48	Existing Layouts / Plans / Drawings / Maps of Area
49	Proposed Layouts / Plans / Drawings / Maps of Area
50	3D Topographical Model

Note: This list is not exhaustive and may vary depending on the type of ports.



**Government
eProcurement
System**

eProcurement System Government of India

Tender Details

Date : 28-Jul-2025 05:32 PM



Basic Details

Organisation Chain	Directorate General of Shipping		
Tender Reference Number	25-44/5/2023-NT-DGS-24732		
Tender ID	2025_DGS_870821_1	Withdrawal Allowed	Yes
Tender Type	Open Tender	Form of contract	QCBS
Tender Category	Services	No. of Covers	2
General Technical Evaluation Allowed	Yes	ItemWise Technical Evaluation Allowed	No
Payment Mode	Offline	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No

Payment Instruments

Offline	S.No	Instrument Type
	1	Demand Draft

Cover Details, No. Of Covers - 2

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical	.pdf	Technical Qualification Documents-I
		.pdf	Technical Qualification Documents-II
2	Finance	.xls	BOQ

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	Nil	Fee Payable At	Nil
Tender Fee Exemption Allowed	No		

EMD Fee Details

EMD Amount in ₹	60,000	EMD Exemption Allowed	Yes
EMD Fee Type	fixed	EMD Percentage	NA
EMD Payable To	Directorate General of Shipping	EMD Payable At	Mumbai

[Click to view modification history](#)

Work /Item(s)

Title	Request for Proposals for Selection of GIS Consultants/Experts for Developing Framework and Guidelines for Geospatial Data Standards for Geospatial Platform for Indian Ports				
Work Description	Request for Proposals for Selection of GIS Consultants/Experts for Developing Framework and Guidelines for Geospatial Data Standards for Geospatial Platform for Indian Ports				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	No				
Tender Value in ₹	0.00	Product Category	Miscellaneous Services	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	180	Period Of Work(Days)	NA
Location	Directorate General of Shipping	Pincode	400042	Pre Bid Meeting Place	Online
Pre Bid Meeting Address	Online Link has been provided in the RFP document	Pre Bid Meeting Date	12-Aug-2025 02:00 PM	Bid Opening Place	Online
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates

Publish Date	28-Jul-2025 06:00 PM	Bid Opening Date	05-Sep-2025 03:00 PM
Document Download / Sale Start Date	28-Jul-2025 06:00 PM	Document Download / Sale End Date	04-Sep-2025 03:00 PM
Clarification Start Date	29-Jul-2025 10:00 AM	Clarification End Date	13-Aug-2025 06:00 PM
Bid Submission Start Date	14-Aug-2025 03:00 PM	Bid Submission End Date	04-Sep-2025 03:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	Notice Inviting RFP	222.69

Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	RFP.pdf	RFP Document	896.99
	2	BOQ	BOQ_915440.xls	BOQ	313.00

View GTE /QCBS Details - Selection of GIS Consultants

S.No	Particulars	Expected Value	Mandatory	Points(Weightage)
1.0	GIS Consultant - [Selection of GIS Consultants/Experts for Developing Framework and Guidelines for Geospatial Data Standards for Geospatial Platform for Indian Ports]		Yes	
1.01	Presentation (During Technical Evaluation) - [Presentation (During Technical Evaluation)]	Yes	Yes	10
1.02	Proposed Methodology, Approach, and Work Plan - [Proposed Methodology, Approach, and Work Plan]	Yes	Yes	20
1.03	Qualifications and Experience of Key Experts - [Qualifications and Experience of Key Experts]	Yes	Yes	35
1.04	Relevant Experience of the Firm - [Relevant Experience of the Firm]	Yes	Yes	25
1.05	Technology and Tools Expertise - [Technology and Tools Expertise]	Yes	Yes	10

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	sumit-dgs@nic.in	Sumit Kumar	SUMIT KUMAR
2.	rjadhav-dgs@gov.in	Ritesh Suresh Jadhav	RITESH SURESH JADHAV
3.	madhavpatil.dgs@gov.in	Madhav Patil	MADHAV DAMODAR PATIL

GeMARPTS Details

GeMARPTS ID	RSZETZYSE7NJ
Description	Not available
Report Initiated On	28-Jul-2025
Valid Until	27-Aug-2025

Tender Properties

Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Stage to disclose Bid Details in Public Domain	Technical Bid Opening
BoQ Comparative Chart model	Normal	BoQ Compative chart decimal places	2
BoQ Comparative Chart Rank Type	L	Form Based BoQ	No

TIA Undertaking

S.No	Undertaking to Order	Tender complying with Order	Reason for non compliance of Order
1	PPP-MII Order 2017	Agree	
2	MSEs Order 2012	Agree	

Tender Inviting Authority

Name	Nautical Advisor
Address	9th Floor Beta Building, i-Think Techno Campus, Kanjurmarg East, Mumbai, Maharashtra 400042

Tender Creator Details

Created By	Madhav Patil
Designation	Assistant
Created Date	28-Jul-2025 03:58 PM