Finance Department

No. Fin/EDP/ Web GIS/2022   **Dated:** 10.02.2022

Clarifications/Replies to the Pre-bid queries

 Ref: E-Quotation No. FIN/EDP/Web GIS/2022 Dated:27/01/2022

The clarifications/replies to the queries received from the prospective bidders are given as Annexure I.

Since the clarifications/replies to the pre-bid queries are integral part of the Quotation, all bidders are requested to take note and sign & upload the same along with the signed quotation.

Sd/-
FA & CAO

Pre bid Clarifications/Replies for the e-quotation "THE DEVELOPMENT AND DEPLOYMENT OF WEB GIS APPLICATION USING OPEN SOURCE TECHNOLOGIES " Vide No. FIN/EDP/Web GIS/2022 Dated: 27/01/2022

Sl. No.	Reference Section/clause No.	Queries/Observations/Amendment Request	Clarifications/Replies
1	General	Our understanding is that existing data will be provided by CoPT. We assume that data collection is not part of the project. Please confirm.	Data collection is not part of the project. Shape files will be provided by CoPT.
2	General	Our understanding is that no spatial validation or spatial modifications needs to be carried out as part of the project. Please confirm.	Spatial validation or spatial modifications need not be carried out as part of the project. Training shall be imparted to the users identified for the spatial modifications and validations.
3	General	Please give clarification on number of concurrent users expected for this work.	QGIS Users - 3 Maximum users - 10 in the intranet / Webportal Internet - 25 users maximum
4	General	Any sort of data versioning is expected to track the edits.	Will be done as part of enhancement
5	Section 3.1 "Deliverables" third point on Page 7 of the Tender document Training to Cochin Port Trust staff about editing the plot details using QGIS	We assume that one-time training at the end of deployment is the requirement.	Offline Training required in two session for 10 users during deployment

6	Section 3.1 "Deliverables" third point on Page 7 of the Tender document Training to Cochin Port Trust staff about editing the plot details using QGIS	Please clarify whether the training can be conducted online and maximum number of users expected for training.	Offline Training required in two session for 10 users during deployment
7	Clause 3.1 Scope - Cochin Port Role - Provide the required infrastructure viz., Server for Database and GIS Server, Desktop for QGIS and remote access facility to deploy the application.	Please confirm that whether remote access would be provided during the one-year maintenance period.	Remote access would be provided
8	Clause 3.1 Scope - Bidder Role -Basic functionalities of the MapViewer - Option for end users to request plot details which will trigger an email to the application administrator	In tender document, it is mentioned that there should be an option for end users to request plot details, is there any specific workflow or only request submission is needed.	Details/attributes of the plots needs to be displayed to the user (based on an event) in the Portal. User should be able to send enquiry about the plot to CoPT from the portal. Provision to search the plot deails should also be incorporated.
9	General	Regarding the data exchange using API, is it REST based APIs. Please clarify whether entire data needs to be exchanged or any subset of data.	At present, the data exchange attributes are not finalised. The same will be discussed with the successful bidder with the external agency and will incorporate accordingly as enhancement. However, the solution should be able to exchange data by way of API.
10	General	Please clarify the authentication method and user management methods.	User ID and Password are required for the internal users.
11	Clause 3.1 Scope -Technology Stack.	Our understanding is that all edits will be carried out in QGIS and web will be for viewing.	All edits will be carried out in QGIS and web/portal will be for viewing
12	Clause 3.1 Scope -Deliverables	Confirm whether source code is part of the deliverables.	source code is not part of the deliverables.

13	General	Will there be any staging or test environment before moving to production.	Yes. Please refer Amendment
14	General	Any logo, background, color would be provided to be used in advance.	During the system study the same will be finalised and given by CoPT
15	General	Please specify the software versions preferred or any version can be used.	Any version can be used
16	3.1 Scope of Work, Page No-6	How Bidders' will update the data ? Whether Bidder will update the attribute information or any data conversion exercise would be included in the scope of the work. Kindly confirm.	Initially the available details with CoPT are to be uploaded by the bidder. The updations will be done by the users trained by the bidder
17	3.1 Scope of Work, Page No-6 Bidder - Role	We assume that the Physical server inclusing associated IT infra like; Internet, Intranet, Load Balancer, Backup Solution, VPN connectivity etc. would be provided by Cochin Port Trust. Is our understanding correct.	Servers and connectivity will be provided by CoPT.
18	3.1 Scope of Work, Page No-6 Bidder - Role	How many users would be avaiable for the training ?	Offline Training required in two session for 10 users during deployment
19	3.1 Scope of Work, Page No-6 Bidder - Role	Kindly confirm the number of training to the conducted during the project execution phase ?	Offline Training required in two session for 10 users during deployment
20	3.1 Scope of Work, Page No-7 Bidder - Role	How many shape files are avaiable with CoPT ? Kindly confirm.	approximate 10 shape files
21	3.1 Scope of Work, Page No-7 Bidder - Role	Whether all the files are Georeferenced and topologicaly corrected & rectified ? Kindly confirm.	All the files are Georeferenced. The updations will be done by the users trained by the contractor

22	3.1 Scope of Work, Page No-7 Bidder - Role	Whether application integration with other applications will be in the scope of the Bidder? Kindly clarify the meaning of Integration in this project.	As per clause 3.1 (deliverables) - Generation of KML file of layers by the contractor once the work of layers is completed based on the request from CoPT. Provision to send the KML file/attributes to external applications through API has to be configured by the contractor.
23	3.1 Scope of Work, Page No-7 Cochin Port - Role	We assume that the Geo-corrected data base would be provided by the CoPT ? Kindly confirm.	All the files are Georeferenced. The updations will be done by the users trained by the vendor
24	3.1 Scope of Work, Page No-7 Cochin Port - Role	Kindly share the GeoDatabase details like formates, type etc. for understanding.	Shape files
25	3.2 Implementation Schedule	Kindly enhance the time line of the project up to 24 weeks the reason covide and other factors will impact the proejct delivery.	Conditions as per RFQ shall prevail
26	3.15 Evaluation Process & Eligibility Criteria, Demo	We assume that the bidder can demonstrate any live or demo application while evaluation process. Or CoPT will provide the layers for demonstration ? Kindly confirm.	CoPT will provide the shape files for demonstartion.
27	General	We assume that there is no requirment for the onsite manpower during the project execution phase. Kindly confirm.	Onsite support required during implementation & training
28	Section 3.1 "Bidder - Role" last point on Page 7 of the Tender document	What kind of external software are we expecting to be integrated?	Layer based KML file needs to be generated from the application to send to external applications by way of API, which is to be configured by the contractor. As per clause 3.1 (deliverables) - Generation of KML file of layers by the contractor once the work of layers is completed based on the

		request from CoPT.
29	Section 3.1 "Bidder - Role" last but one point on Page 7 of the Tender document Option for end user to request the details about the plot, which will send email to the configured email id	Does CoPT already have mail server which can be used or we need to propose a SMTP server?	CoPT has an SMTP server
30	Section 3.1 "Cochin Port - Role" second point on Page 7 of the Tender document	What Types of data are currently available and what are its volume (Existing shape files/Geodatabase)	Shape files
31	Section 3.1 "Deliverables" third point on Page 7 of the Tender document Training to Cochin Port Trust staff about editing the plot details using QGIS	How many users required to be trained during the training?	Offline Training required in two session for 10 users during deployment
32	Section 3.1 "Deliverables" last point on Page 7 of the Tender document Generation of KML file of layers by the contractor once the work of layers is completed based on the request from CoPT	Does CoPT wants the final data to be published in Geoserver as KML?	No. The layers are to be published in the portals.
33	Section 3.15 "Evaluation Process & Eligibility Criteria-Demo"on Page 13 of the Tender document	By when the call for demo for proposed solution expected?	As per the Clause 3.15 Evaluation Process and Elgibility criteria -Demo. "The bidders, who fulfil the eligibility criteria, will be called for a demo on the proposed solution."

34	General	How many total users are expected to use this system?	QGIS Users - 3 Maximum users - 10 in the intranet / Webportal Internet - 25 users maximum
35	General	How many users will use concurrently?	QGIS Users - 3 Maximum users - 10 in the intranet / Webportal Internet - 25 users maximum
36	Section 1- e quotation Notice Page No.4	Request to clarify the details of the existing shape files. Does it cover all the layers required for the web GIS application development. Can we get the sample shape file to check the usability	Sample shape files will be provided during demo. Shape files will be provided by CoPT for all the layers required.
37	Section 3.1 Scope -Technology Stack Page No.7	Request to elaborate the workflow required	No work flow. Details/attributes of the plots needs to be displayed to the user (based on an event) in the Portal. User should be able to send enquiry about the plot to CoPT from the portal
38	Section 3.1 Scope -Technology Stack Page No.7	Please clarify the external software and the kind of data exchange required and format of data exchange	Llayer based KML file needs to be generated from the application to send to external applications by way of API, which is to be configured by the contractor. As per clause 3.1 (deliverables) - Generation of KML file of layers by the contractor once the work of layers is completed based on the request from CoPT.
39	General Page No. 7	Is there any scope for field survey	No. field survey is not in the scope
40	General	Also may I know what is budget this project.	Being an e-Quotation the budget cannot be disclosed at this stage

41	Section 3.1 Scope -Technology Stack Page No.6 The application should be hosted in IIS	Please clarify instead of IIS, we can use other open source web container such as Tomcat.	Any other open source webcontainer can be used.
42	Section 3.1 - Scope - Bidder - Role Page No.6 Enhancements including adding/updating of layers are to be done on requirement Page No.7 Enhancements based on the business requirements as Change Request.	Please clarify this will be after UAT completion / acceptance. There will be going to be change request follow the change management process mentioned in the RFP.	All major enhancements after operational acceptance will be treated as CR
43	General	Please clarify how many number of users are using the system, along with number of concurrent users envisaged om CoPT	QGIS Users - 3 Maximum users - 10 in the intranet / Webportal Internet - 25 users maximum
44	Section 3.1 - Scope - Bidder - Role Page No.6 Submit the infrastructure requirement for the deployment of application	Please clarify CoPT looking for DC & DR and High availability infrastructure requirements for this web GIS application	No.
45	Section 3.1 - Scope - Bidder - Role Page No.7 Option for end users to request plot details which will trigger an email to the application administrator	Please clarify for sending email, the required email gateway will be provided by CoPT	CoPT has an SMTP server
46	Page no. 6, Section 3 Instructions to Bidders, 3.1 Scope of Work, Point 2. Install the necessary software in the server provided by Cochin Port Trust as per the technical specifications submitted by the bidder	Based on the scope of work, we assume that the port will provide a server to install the necessary software based on our proposal. Please confirm.	Yes.

47	Page no. 6, Section 3 Instructions to Bidders, 3.1 Scope of Work, Point 4. Enhancements including adding/ updating of layers are to be done on requirement	Please let us know the detailed information regarding the type of enhancements to be taken up. We request you to let us know the size of the data to be published. Please confirm. Please let us know the formats of the data that will be provided for us to know about the input data. Please specify. We would also like to know the number of users who will access	Incorporation of additional layers, if any will be treated as enhancements. Data Size is 75 MB approx. The data will be provided in shape files. No. of Users - 10.
48	Page no. 7, Section 3 Instructions to Bidders, 3.1 Scope of Work, Bidder-Role, Point 9. Provision to exchange data using API with external softwares.	We request you to kindly let us know the detailed information regarding the data to be exchanged. Please specify. · Please let us know the number of APIs to be used? Also, please let us know whether we can get the API endpoints for our detailed analysis. · We would also like to know the details regarding the inputs and outputs of each API from the external software. Please specify.	KML files/attribute files through API. At present, the data exchange attributes are not finalised. The same will be discussed with the successful bidder and the external agency to incorporate accordingly as enhancement. However, the solution should be able to exchange data by way of API.
49	Bid Extension	We kindly request you to extend the Bid submission time by at least 2 weeks from the date of publishing the clarifications. Please confirm.	Conditions as per RFQ shall prevail