



Petroleum & Natural Gas Regulatory Board

World Trade Centre, 1st Floor
Babar Road, New Delhi- 110001

21st January 2020

Public Notice No. PNGRB/MAPS/2020/A

Further to Public Notice Dated 14th January 2020 and 17th January 2020 relating to hiring of vendors for carrying out GIS mapping of PNGRB authorized geographical areas, natural gas, pipelines and petroleum & petroleum product pipelines on political map of India, clarifications to the issues raised by various prospective bidders during the pre bid meeting are enclosed.

The clarifications shall be part of tender document and bidders are requested to take a print of the same and submit with tender document duly signed by authorized person.

Secretary

HIRING OF VENDORS FOR CARRYING OUT GIS MAPPING OF PNGRB AUTHORIZED GEOGRAPHICAL AREAS, NATURAL GAS PIPELINES AND PETROLEUM & PETROLEUM PRODUCT PIPELINES ON POLITICAL MAP OF INDIA

Pre-bid Queries

Entity: Secon Private Limited

S. No	Page No. of RFP	Clause	RFP Statement	Query	PNGRB Response
1	4	SECTION I: INSTRUCTIONS TO BIDDERS (ITB) 17. Scope of Work:	<u>Introduction</u> HIRING OF VENDORS FOR CARRYING OUT GIS MAPPING OF PNGRB AUTHORIZED/ PROPOSED GEOGRAPHICAL AREAS, NATURAL GAS PIPELINES AND PETROLEUM & PETROLEUM PRODUCT PIPELINES ON POLITICAL MAP OF INDIA	Our understanding is that the data required for mapping (geographical boundary, pipeline network, CGD network, proposed GA, NGPL etc.) will be made available to the Bidder and the same has to be mapped to GIS and made available via GIS Web Application. Also that the project does not involve any physical ground survey. Kindly confirm/clarify.	PNGRB shall provide Shape files for 136 GAs and PDF file for rest of the GA. Further, Shape files shall be provided by PNGRB for NGPL. By and large there is no requirement for physical survey, however in exceptional cases the same may be required for verification of any point in dispute.
2	Kindly confirm in what format the above data shall be provided.				
3	17.1. It is proposed to award a contract for providing an application based			Where is the proposed system to be hosted? Whether PNGRB shall provide the hosting space? Whether system	

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			interactive political map of India featuring all the 229 Geographical Areas along with their charge areas, all the Natural gas Pipelines and all the Petroleum and Petroleum Product Pipeline authorized by PNGRB till date	has to be in a dedicated data center or on cloud and please specify for what duration the system has to be hosted if to be hosted by the bidder? Please clarify/confirm.	
4	7	11.1. Bidders Qualification Criteria:	b. Technical: i. The bidder must have a valid ISO 9001:2000 or SEI/ CMMI level 5 certification, as on the date of tender submission.	ISO 9001:2000 is an old certification after which various revisions have been made from time to time. Hence we request PNGRB to consider ISO 9001:2015 or CMMI Level 3 certifications.	The clause is modified and shall be read as: The bidder must have a valid ISO 9001:2015 or SEI/ CMMI level 5 certification, as on the date of tender submission.
5	7	11.1. Bidders Qualification Criteria:	b. Technical: iv. The bidder should be an authorized partner or reseller of Map/API provider for web based application , ready to sign an NDA for security of data provided by PNGRB for hosting. Authorization letter	The clause is restrictive as it only allows/promotes partners/ resellers of Map/API providers. As per our understanding the Bidder for this proposed project has to be a System Integrator who, using the map/API, has to provide the development/ mapping services. Hence request PNGRB to modify the clause so as to ask for experience with respect to same in the criteria.	Tender conditions prevails.

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			from Map OEM for participation in the bid for technical support and experience.	<p>Many Map/API providers such as Open source, Google, ArcGIS etc. are available in market and any of the same can be used to fulfill the requirements of the proposed project, as detailed in the RFP.</p> <p>Request PNGRB to relax the criteria (of Bidder being an authorized partner or reseller of Map/API provider).</p> <p>Hence, this criteria may be considered and deleted.</p>	
8	7	11.1. Bidders Qualification Criteria:	b. Technical: vi. Bidder should have latest district, sub-district and state boundary updated till November. 2019; a sample area may be required to submit.	Client is requested to kindly confirm the authentication of the source of this data update till November 2019.	Bidders shall authenticate the latest data from Survey of India.
9	10	17. Scope of Work:	17.1. It is proposed to award a contract for providing an application based interactive political map of India featuring all the 229	Kindly confirm the area in sq.km of each of the 229 GA's to enable bidders to estimate cost.	The details are available at PNGRB's website
10	Request PNGRB to provide details on the length/area of pipeline				

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			Geographical Areas along with their charge areas, all the Natural gas Pipelines and all the Petroleum and Petroleum Product Pipeline authorized by PNGRB till date	network/CGD etc. to be covered in initial scope			
11	10	17. Scope of Work:	a. The interactive political map of India shall be an application-based interface	Kindly confirm whether scope involved software application development.	Bidders are requested to visit the scope of work thoroughly. The requirement specified by PNGRB to be satisfied and any work required to meet the requirement of PNGRB has to be carried out by the Bidders.		
12				If software application development is involved then kindly confirm the below: <ol style="list-style-type: none"> 1. Platform: We understand open source platform can be used. 2. Whether Web based application or the desktop based application is required? 3. Number of users. 			
13				17.1 b iv. A layer for Airports, Rail routes, Expressways, National Highways, State Highways and major roads and area segments such as		We understand all these required layers are to be developed within the AOI of the GA and not for whole of political map of India. Kindly confirm.	Bidders shall be required to collect such data from authorized Govt. agencies/ Sources and plot on the whole of political map of India.
14				We understand that this exhaustive set of data shall be provided by PNGRB			

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			<p>residential, commercial, industrial, forest land/green areas to be indicated with their names. Additional landmarks, places of importance such as Police Stations, Hospitals shall be identified and shown.</p> <p>v. A layer for natural features showing terrain details of hilly areas, mountain peaks, rivers and lakes or other water bodies.</p>	Kindly clarify	
15	10	17. Scope of Work:	17.1 b vi. Complete geo-referencing has to be provided in the maps with standard cartographic symbology and colors. The accuracy level of the maps at this level shall be within 20 meters.	Kindly confirm if bidder need to establish Ground control network using DGPS for geo-referencing?	Bidders are requested to visit the scope of work thoroughly. The requirement specified by PNGRB to be satisfied and any work required to meet the requirement of PNGRB has to be carried out by the Bidders.
16	10	17. Scope of Work:	17.1 b vi. Complete geo-referencing has to be provided in the maps	Kindly provide specification for geo-referencing i.e DGPS Ground control network grid densification, DGPS observation time,	

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			with standard cartographic symbology and colors. The accuracy level of the maps at this level shall be within 20 meters.	monumentation requirement if any, etc.	
17	11	17. Scope of Work:	17.2. PNGRB may propose to float bids for authorization for CGD Network in various GAs across India in future. The maps of those proposed GAs shall be updated in this application irrespective of whoever is awarded the contract for preparing the GA maps for those proposed GAs. The details given in 17.1. (b) and 17.1. (c) above shall also be applicable on those proposed GAs without any deviation. 17.3. PNGRB may The route maps of those proposed pipelines shall be updated in	We understand that PNGRB shall facilitate & provide all the required data for updation to the bidder after collecting the same from the respective GA agency. Kindly confirm.	PNGRB shall coordinate between the two map agencies, if required.

S. No	Page No. of RFP	Clause	RFP Statement	Query	PNGRB Response
			this application irrespective of whoever is awarded the contract for preparing the pipeline route mapss without any deviation.		
18	11	17. Scope of Work:	17.2. PNGRB may propose those proposed GAs shall be updated in this application irrespective without any deviation. 17.3. PNGRB may The route maps of those proposed pipelines shall be updated in this application without any deviation.	Kindly mention the duration (no.of months/ Year) upto which updation services are required. Further kindly include separate item in SOR for updation activity so that bidder can be paid as per actual deployment.	The Updation shall be required initially for a period of two years.
19	11	17. Scope of Work:	17.4. Since the extent of work involved includes the total geographical area of India, therefore a lumpsum rate shall be quoted for all the particulars defined in the scope of work.	Considering that incorporation of new/future pipeline network and CGD is in scope of work of Bidder, It will be very difficult to provide a lumpsum rate for total geographical area of India We suggest to take the unit rates for the same based on length/area etc.	Tender Conditions prevails

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				Kindly clarify/confirm	
20	11	17. Scope of Work:	17.5. The vendor shall provide necessary authorization to PNGRB to use the map for its bidding as well as monitoring purposes. This will include adding more information to the maps later on and sharing the maps with other agencies for project implementation and monitoring purposes	How does PNGRB propose to share the maps with other agencies? Whether web based sharing, API/services based sharing, print etc. Kindly clarify	Sharing of such map with agency shall be shared generally in print form, however if required, the same may be shared in other available form too.
21	11	17. Scope of Work:	17.6. For inputs required by the intending vendor for information regarding the PNGRB authorized GAs, NGPLs and PPPLs, PNGRB has data in various form like shape file format (.shp), pdf in soft and hard copies. These maps may be referred by the	We request PNGRB to share the maps before bidding to enable bidders to more clarity.	The PDF files are available at PNGRB website. The shape files are available at PNGRB office, the Bidder who want to viw the same may vist PNGRB office on any working day during working hours.

S. No	Page No. of RFP	Clause	RFP Statement	Query	PNGRB Response
			intending vendors to understand the quality & details required by PNGRB		
22	11	18. Time Schedules	18.1. The time period for final submission for the work at 17.1 shall be 2 weeks from the date of work order.	As work involves data collection and preparation of map for large area which is not possible to be completed within short span of 2 weeks. Hence we request PNGRB to increase time period to 6 months	The time period for final submission for the work at 17.1 shall be 6 week from the date of work order.
23	20	Annexure-5 Last Date of Bid Submission	27.01.2020 till 12:00 hrs	We request PNGRB to extend the tender submission date by at least 2 weeks from the date of issue of pre-bid clarification.	Tender Conditions prevails
24	28	Price Bid Form	SCHEDULE OF RATES (In Indian Rupees inclusive of all taxes, duties, royalties etc.)	We request PNGRB to consider rates excluding of GST. GST at prevailing rates shall be paid extra by PNGRB. Kindly confirm.	Tender Conditions prevails

Entity : Map My India

SL #	RFP Page No/Section	Original RFP Clause	Suggestions/Clarification/Query	PNGRB Response
1	Scope of Work, 17.1, Page 10	The interactive political map of India shall be an application-based interface, which must be accessible on two systems at PNGRB	We understand “two systems” meaning the application should have 2 users – please confirm.	Two system used hear means Two users.

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2	Scope of Work, 17.1 (b)(i) Page 10	A layer for the State/Union Territory boundaries showing the district boundaries within and the Tehsil/Taluka/Mandal boundaries therein as per the latest political map of India published after November 2019, to be sourced from the official government source. All major cities/ towns/ villages along with the district headquarters to be shown under separate tags.	What is the documentary evidence is to be provided here for sourcing from the Government Agencies	For the purpose of this, bidder may provide copy of invoices, if any or letter of endorsement from Govt. agencies.
3	Scope of Work, 17.1 (b) (ii) Page 10	A layer for the GA boundaries along with the boundary of its districts and the charge areas within, as authorized by PNGRB for all the 229 GAs till date.	Does PNGRB provide digital version of GA boundaries? Are in these GA boundaries available in AutoCAD/Shapefile or any GIS Standard? Or Does the scope include the creation of these boundaries from the scratch?	Shape files are available for 136 GAs. Rest are available in PDF form.
4	Scope of Work, 17.1 (b) (iii) Page 10	A layer for all the Natural Gas Pipelines and Petroleum & Petroleum Product Pipeline authorized by PNGRB / Government of India till date.	Is the scope include digitization of these pipeline in a layer? If digitization is required, what sources are available with PNGRB?	The present Natural gas pipeline infrastructure is available in shape file, however as there are continuous construction of pipeline within the country the scope includes digitization of all under construction and upcoming pipelines, if any.
5	Scope of Work, 17.2 Page 11	The maps of those proposed GAs shall be updated in this application irrespective of	Does the scope include updating of these boundaries?	Yes.

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		<p>whoever is awarded the contract for preparing the GA maps for those proposed GAs. The details given in 17.1. (b) and 17.1. (c), above shall also be applicable on those proposed GAs without any deviation.</p>	<p>What is the frequency of such requirements in a year..? What sources will be made available for creation of GA boundaries?</p>	<p>There are no such defined frequency.</p>
6	<p>Scope of Work, 17.3 Page 11</p>	<p>PNGRB may propose to float bids for authorization for various Natural gas Pipeline and Petroleum Product Pipelines across India in future. The route maps of those proposed pipelines shall be updated in this application irrespective of whoever is awarded the contract for preparing the pipeline route maps for those proposed pipelines. The details given in 17.1. (b) and 17.1. (c) above shall also be applicable on those proposed pipelines without any deviation.</p>	<p>What is the frequency of such requirements in a year..? What sources will be made available for creation of proposed pipelines?</p>	<p>There are no such defined frequency.</p>
7	<p>Scope of Work, 17.8 Page 11</p>	<p>The interactive map shall be editable to an extent so that PNGRB shall be able to edit and customize the maps as per its requirements</p>	<p>Please elaborate on this. Does the customization involve editing of only GA boundaries, pipeline data or there is more to it?</p>	<p>The interactive map should be such that the PNGRB can perform followings but not limited to the activities: Zoom in, Zoom out, editing of data, coloring of GAs in different shades, Determination of distances between two points, insertion of new pipelines, creation of new GA</p>

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				boundaries, insertion of data for GA/Pipelines, Filtering out GA maps on certain conditions like state wise or area wise etc.
8	Time Schedule, 18.1, Page 11	The time period for final submission for the work at 17.1 shall be 2 weeks from the date of work order.	As the scope of work may involve creation of boundaries, specific customization to the software, training of the stakeholders in PNGRB, 2 week time schedule is not sufficient. We request PNGRB to revise the schedule to at least 8 weeks.	Tender Conditions prevails.
9	Eligibility, Technical v Page 7	For web and desktop based, application bidder should have minimum 5 programmers on its payroll for the last two years. (Share CA certificate with PF details). Bidder should have minimum 30 employees on its payroll, share PF and ESI details for last one year.	CA does not provide certificates regarding the employees. We request PNGRB to accept an undertaking in this regard with PF details from the HR head of the company.	Accepted.
10	Eligibility, Technical vi Page 8	Bidder should have latest district, subdistrict and state boundary updated till November, 2019; a sample area may be required to submit	Sample to be submitted in what format?	Sample to be submitted with Bid document in Print form.
11	Scope of Work	Implementation Strategy	It is not very clear from the scope of work, that the proposed system to be implemented as browser based application or desktop based application.	It will be a browser based application. The bidder shall provide necessary trainings to PNGRB personal for operation and editing of the map.

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			<p>We would like to bring it to the notice of PNGRB that, in case of desktop based application, the application and data becomes static and requires procuring of additional licenses, in case of any further requirement of additional users.</p> <p>On the other hand a browser (server) based application can be more feasible as it does not require any additional licensing of the maps & application.</p> <p>We also request PNGRB to consider hosting application along with data on a Meity Audited/Empanelled Cloud Service Providers (CSP), which will not have any additional maintenance cost of having servers, systems or infrastructure.</p>	