 MAHARASHTRA NATURAL GAS LIMITED	Reply to Bidders Queries – II against Tender for rate contract for the period of 2 years for survey & allied works for CGD Network of MNGL, Pune Bid No.: MNGL/C&P/2017-18/98
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Date: 12.01.2018

Replies to Queries of the Bidders - II

SUB: Replies to queries of the bidders - II for Tender for Rate Contract for the period of 2 years for potential & route survey & for preparation of drawings with X, Y & Z co-ordinates for laying of Natural Gas Pipeline in PCMC & PMC area and & uploading the data on PCMC's & PMC's Web GIS for CGD Network of MNGL, Pune

REF: Bid Document No. MNGL/C&P/2017-18/98 dated 12.12.2017 & Reply to bidders queries dated 02.01.2018

Dear Sir,

Following are the replies to queries of the bidders. Kindly note the same.

Sl. No.	Bidder's Query / Clarification	MNGL' Reply
	Commercial:	
1	Extension of due date of submission of bid	Due date of submission of bid is extended upto 19.01.2018, 15:00 hours.
	Technical:	
1	Part – E Scope of Work (Page No. 148) For the purpose of award the estimated scope of detailed route survey and market demand survey has been considered as follows: SOR item does not cover market demand survey. MNGL is requested to confirm under which SOR item the rate for market demand survey has to be covered or alternatively it is suggested to include a separate SOR item for market demand survey to bring in the clarity in the payment terms. MNGL is requested to provide scope of work and format for data collection under Market demand survey.	Scope of work is as defined in Area Survey for MDPE Network.
2	Part – E Scope of Work (Page No. 148) 1.II) The estimated Survey of MDPE Network of above mentioned area for Supply of High resolution Quick bird (0.6 m) Satellite Image & Image Processing, registration, digitization (Vectorization) and preparation of base Map has been considered as 300 sq. kms In SOR the quantity mentioned for this item is 250 Sq.km. MNGL is requested to clarify the same.	SOR quantity is final.
3	Part – E Scope of Work (Page No. 149)	Tender condition



	<p>Development of Geographical & Land information system (GIS & LIS) along the pipeline route as per Company requirements enclosed in the tender.</p> <p>Data compatible to GIS will be generated. Uploading of the same will be subject to approval from PCMC & PMC.</p>	prevails.
4	<p>Part – E Scope of Work (Page No. 149)</p> <p>3.1 b.Preparation of pipeline drawing on PCMC's & PMC's base maps considering and showing existing utilities like, underground cable lines, water supply line, sewage lines, manholes etc. in PCMC & PMC area. (Getting PCMC's & PMC's base maps is vendor's responsibility.)</p> <p>Maps of PCMC & PMC / imageries shall be used as base map depending on their availability.</p>	Tender condition prevails.
5	<p>Part – E Scope of Work (Page No. 149)</p> <p>3.4 Collection of population density data along the entire route of the proposed pipeline route as per specification enclosed with the tender document.</p> <p>Request MNGL to clarify the width of corridor for which population density survey will be carried out.</p>	Marked area shall be provided.
6	<p>Part – E Scope of Work (Page No. 149)</p> <p>Note; 1) Contractor shall be fully responsible for collection of correct and Up-to-date records/ data.</p> <p>Data provided will be as per the updation of the population details through local enquiry in approved formats. No other supporting data shall be provided to confirm the population details.</p>	Tender condition prevails.
7	<p>Part – E Scope of Work (Page No. 150)</p> <p>3.6 Tie-in of the starting and termination point of the proposed pipeline survey to the grid-control system being used for end facilities. A global geo-referencing system to be used for complete integration of the survey database.</p> <p>WGS 1984 grid system will be used. Kindly confirm.</p>	Confirmed
8	<p>Part – E Scope of Work (Page No. 150)</p> <p>For GIS Survey and Mapping: a. Horizontal/Vertical scale to be selected suitably to show the proposed pipeline clear, readable and legible.</p> <p>1: 500 scale drawing is considered for the estimates.</p>	Accepted.
9	<p>Part – E Scope of Work (Page No. 150)</p> <p>b. Coordinate system provided, should allow superimposition on any standard mapping environment and platform like Google Earth. The drawings should indicate the any one of the following as per company requirements 1. Longitude and Latitude of the proposed pipeline at every 50 m with GIS coordinates.</p>	Tender condition prevails.




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	<p>2. Northing and Easting of the proposed pipeline along with its UTM zone at every 50 m.</p> <p>Drawings will be in Co-ordinates system and grids will be shown in the background of planimetry. As each drawing will be covering 750m, co-ordinates at 50m interval involve 15 sets of co-ordinates. Hence suggest to modify the requirement to 100m intervals.</p>	
10	<p>Part – E Scope of Work (Page No. 150)</p> <p>3.1. h. Uploading pipeline data as per PCMC's & PMC's requirement on PCMC'S & PMC's web GIS.</p> <p>Data compatible to GIS will be generated. Uploading of the same will be subject to approval from PCMC & PMC. MNGL is requested to provide the data model to confirm the compatibility and arrive at proper effort estimate.</p>	Tender condition prevails.
11	<p>Part – E Scope of Work (Page No. 150 & 151)</p> <p>3.1. f. Carrying out detailed survey to detect and map any underground/aboveground utilities, type of strata and type of surface in a corridor of 5 m on both sides of the pipeline.</p> <p>3.7 f. Undulations in land surface during utility scan to be taken care off.</p> <p>GPR is a 3 wheel mounted equipment which requires a smooth surface for movement. Effort will be made to capture the details wherever possible and pipeline locator will be used where the movement of GPR is not possible. Request MNGL to approve the same.</p>	Prior approval shall be taken from the EIC for using Pipe locator wherever movement GPR equipment is not feasible.
12	<p>Part – E Scope of Work (Page No. 151)</p> <p>3.8 Locating all buried/ above ground pipelines, cables and other utilities within a distance of 5 meters on either side of the centre line of the proposed ROU with the help of pipelines/ cables locator or other suitable instruments [In case of the densely populated portions and other restricted locations this may be limited to the extent feasible and approved by Engineer-in-charge on the merit of each case]. All detailed interference survey work to be carried out as per technical specification.</p> <p>Carrying out survey to capture data for 5m on either side of the centre line of proposed ROU is limited to free access to site. No survey will be carried out in private properties.</p>	Tender condition prevails.
13	<p>Part – E Scope of Work (Page No. 151)</p> <p>3.10 The Contractor should collect proposed DP plan / scheme for road expansion, widening and proposed underground utilities. Contractor should aware of future planning of local authorities like PMC, PCMC and other statutory authorities before finalizing survey.</p> <p>Normally these documents are not shared by departments. Hence DP plans and other documents will be collected subject to its availability.</p>	Tender condition prevails.



14	<p>Part – E Scope of Work (Page No. 152)</p> <p>3.11 2b. Establishing Ground Control Points (GCP's) with the help of DGPS and post processing of DGPS data.</p> <p>MNGL requested to clarify the interval of DGPS Points to arrive at a proper estimate.</p>	<p>As per reply to bidders query dated 02.01.2018, Base Map shall be provided by MNGL.</p>													
15	<p>Part – E Scope of Work (Page No. 152)</p> <p>3.21 CGD Networking:</p> <p>c) Surveying team shall survey each residential society for the occupants and potential consumers for domestic and commercial usage, create database of the particular area under survey.</p> <p>SOR item does not cover the said activities. MNGL is requested to confirm under which SOR item the rate for these activities has to be covered or alternatively it is suggested to include a separate SOR item to bring in the clarity in the payment terms.</p>	<p>It is to be covered in SOR item No. 2(a) of revised Schedule of Rates.</p>													
16	<p>Part – E Scope of Work (Page No. 154)</p> <p>7.3 All drawings, reports, formats etc. forming the part of submission to MNGL shall be prepared on approved computer package. All drawings, including shall be prepared using AutoCAD latest version & GIS based suitable package of the latest version as per decision of MNGL. All reports, formats, write-ups, charts shall be prepared on computer using software package compatible with latest MS Office or higher version.</p> <p>Data / Drawings compatible to GIS will be generated.</p>	<p>Tender condition prevails.</p>													
17	<p>Part – E Scope of Work (Page No. 154)</p> <p>7.4 The data and drawings submitted shall be in approved GIS package format latest version.</p> <p>a) Crossing survey report - Four paper copies and one copy on standard CD ROM.</p> <p>Our understanding of submission of crossing survey report means cross sectional drawings. Please clarify?</p>	<p>Bidders understanding is correct</p>													
18	<p>Part – F Special Conditions of Contract – Technical (Page No. 157)</p> <p>3. 1 Time of Completion for Crossing Survey</p> <p>MNGL requested to consider the following time of completion</p> <table border="1" data-bbox="316 1722 1279 1892"> <thead> <tr> <th rowspan="2">SL.No.</th> <th rowspan="2">Activity</th> <th colspan="3">Time of completion from the date of LOA/LOI / Deliver Order</th> </tr> <tr> <th>Upto 5 No's</th> <th>5-10</th> <th>>10</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Field work</td> <td>7 days</td> <td>10 days</td> <td>25 days</td> </tr> </tbody> </table>	SL.No.	Activity	Time of completion from the date of LOA/LOI / Deliver Order			Upto 5 No's	5-10	>10	1	Field work	7 days	10 days	25 days	<p>Tender condition prevails</p>
SL.No.	Activity			Time of completion from the date of LOA/LOI / Deliver Order											
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1	Field work	7 days	10 days	25 days											

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	2	Submission of Draft Reports	15 days	20 days	45 days	
	3	Submission of Final Survey Reports, Drawings, Maps, Data etc.after review from MNGL.	20 days	25 days	50 days	
19	Part – F Special Conditions of Contract – Technical 3. 2 Time of Completion for Preparation and submission of drawings of MNGL's proposed Natural Gas pipeline with X, Y and Z Co-ordinates on PMC's & PCMC's base maps, Uploading the same on PMC's & PCMC's Web GIS. This activity is dependent on the base map of PMC & PCMS's and completion of detailed topographical Surey. Hence MNGL requested to consider the following time of completion.					Tender condition prevails.
	SL.No.	Activity	Time of completion from the date of obtaining base map from PMC & PCMS or completion of detailed topographical survey whichever is later.			
	1	Submission of drawings with X, Y and Z Co-ordinates on PMC's & PCMC base maps.	10 days			
	2	Uploading pipeline data as per PMC's & PCMC's requirement on PMC's & PCMC's Web GIS	15 days			
20	Part – F Special Conditions of Contract – Technical (Page No. 157) 3.3 Time of Completion for Preparation of Base Map (including procurement, image processing, digitization) This activity is depending on the availability of cloud clear imageries. Hence MNGL requested to consider the following time of completion					Tender condition prevails.
	SL.No.	Activity	Time of completion from the date of LOA/LOI / Deliver Order			
			1-30 Sq.Km	30-60 Sq.Km	> 60 Sq.Km	
	1	Procurement of High Resolution Satellite image	8 weeks	8 weeks	8 weeks	
	2	Image processing, registration and digitization and preparation of base map	15 days	20 days	30 days	
	3	Submission of Final Survey Reports, Drawings, Maps, Data etc.after review from	1 week	1 week	2 week	

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	MNGL				
21	Part – F Special Conditions of Contract – Technical (Page No. 157) 28. Statutory Approvals Our understanding is that Statutory Approval is only limited to carryout survey work and not for laying of pipeline. Kindly clarify				Bidders' understanding is correct.

Also note the following amendment for evaluation & award of work criteria:

EVALUATION AND AWARD OF WORK:

**Evaluation shall be done as per complete SOR (i.e. on total evaluated price)
Further, contract shall be divided among two or more contractors at the sole discretion of MNGL. In order to do so, the L-2, L-3 and so on bidders shall be asked to match the item wise quoted price with that of L-1 bidder for each item where L-2, L-3 & so on bidders rates are higher than the L-1 bidder.”**

Please submit the signed & stamped copy of Replies to Queries of the Bidders along with tender document with your techno-commercial offer as a token of acceptance.

All the others terms and conditions of the bid documents are unchanged.

With regards.

Ganesh Said
Sr. Manager (C&P)