MUNICIPAL CORPORATION OF GREATER MUMBAI
No. Ch.E. /20/07/ Bridges/GMLR dated 28.04.2020

e- RFQ NOTICE

1. The Municipal Corporation of Greater Mumbai (MCGM) referred employer hereafter is implementing Goregaon Mulund Link Road (GMLR) Project. The objective of this project is to provide a connectivity of Eastern Express Highway and Western Express highway to relieve the traffic congestion in Mumbai. As a part of this Municipal Commissioner of MCGM has invited **this RFQ for "DESIGN AND CONSTRUCTION OF TWIN TUNNEL INCLUDING APPROACHES & BOX TUNNEL FOR GMLR PROJECT".**

The following are the salient features of the project:

Sr. No	Description	Details
1	**Length of proposed Twin Tunnel**	4.7 km each
2	**Finished Tunnel Diameter**	13 m Internal dia.
3	**Strata**	Mostly Basalt
	Minimum height	20 m approx.
	Maximum height	220 Mt. approx.
4	**Road Level on Portals ends**	MSL 51 m Goregaon side and MSL 33 m Mulund side
5	**Lining**	Concrete Segmental Lining
6	**Max Design Speed**	80 kmph
		3 + 3 lanes + footpath with utility trough,
		Tunnel = 9400 Mt (4700 x 2 Nos)
7	**Road Lane & Length**	Box Tunnel = 2040 Mt (1020 x 2 Nos) Goregaon Side
		Open cut & Approaches = 2200 Mt (580 Mt on Goregaon side x 2 Nos + 520 Mt on Mulund side x 2 Nos.)
		Total Road length = 13640 Mt
8	**Estimated Cost - INR.**	Rs.4770 Crore
9	**Duration**	**60** Months (Inclusive of Monsoon)
10	**DLP & Maintenance**	60 Months
11	**TBM**	Suitable capacity and dia.
12	**Angular Cross Passage**	300 m C/C spacing

2. In continuation to EOI, the Municipal Corporation of Greater Mumbai (MCGM) re-invites online e-RFQ for two stage bidding process for the work of **"DESIGN AND CONSTRUCTION OF TWIN TUNNEL INCLUDING APPROACHES & BOX TUNNEL FOR GMLR PROJECT" on Design and Construction basis.**

<u>Bidders are requested to demonstrate experience as under: -</u>

3. Financial Capacity:

3.1. Achieved an average annual financial turnover as certified by 'Chartered Accountant' (in all classes of civil engineering construction works only) equal to **30%** of the estimated cost of work in **last Five (5) financial years** immediately preceding the Financial Year in which bids are invited.

3.2. The Bidder shall have a minimum requirement of Net Worth calculated as the difference between total assets and total liabilities should be positive.

3.2.1. To ascertain this, bidder shall furnish /upload the financial statement (Audited balance sheet) duly certified by Chartered Accountant of last 5 Financial Years.

3.2.2. Net worth

Net worth = Total assets -Total liabilities

Net worth of the firm should be Positive.

3.2.3 Bidder firm's Profit after Tax (all partners in case of JV) must be positive in at least 3 out of last 5 financial years.

3.3 Bid Capacity:

The bid capacity of the prospective bidders will be calculated as under:

Assessed Available Bid Capacity = (A* N* 2 - B)

Where,

A = Maximum value of Civil Engineering works executed in any one year (year means Financial year) during the last seven years.

N = Number of years prescribed for completion of the Project/Works including **monsoon period**, for which these bids are being invited.

B = Value of existing commitments (only allotted works) on the last date of submission of bids as per bidding document and on-going works to be completed during the period of completion of the Project/Works for which these bids are being invited.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at compound rate of 5% per annum assuming rate of inflation for Indian Rupees & 2% per annum for Foreign currency portion per year; calculated from the date of completion to the original date of Submission of RFQ documents.

Even though the applicant meets the above qualifying criteria, they are subject to disqualification if they have:

- made misleading or false representation in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- Record for poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc

3.4 Project Experience:- The applicant(s) in their own name should have satisfactorily executed the work of similar nature with MCGM/Semi Govt. /Govt./International & Public Sector Organizations during **last Ten (10) years** ending last day of the month previous to the one in which bids are submitted as a prime Contractor.

a) One completed Tunnel project or ongoing tunnel project of Cost not less than Rs.2862 Cr.*

OR

b) Two completed Tunnel projects or ongoing tunnel projects of cost each not less than Rs.1908 Cr.*

OR

c) Three completed Tunnel projects or ongoing tunnel projects of Cost each not less than Rs. 1431 Cr. *

* The value of executed works shall be brought to current costing level by enhancing the actual value of work at compound rate of 5% per annum assuming rate of inflation for Indian Rupees & 2% per annum for foreign currency per year; calculated from the date of completion to the original date of Submission of RFQ documents.

4.1 Technical capacity:

a) At least one similar work of more than 8.50 m dia* to 9.90m dia* of minimum 3.76 km length

OR

b) At least one similar work of more than 9.90 m dia* to 11.35m dia* of minimum 2.82 km length

OR

c) At least one similar work of more than 11.35 m dia* of minimum 1.88 km length

<u>Similar Work:</u> "Construction of Tunnel (Road / Railway / Hydro) sector with TBM Technology in last **10** years.

(dia.* is finished diameter of tunnel.)

Notes: -

i. The Tenderer should submit the details of sub-contractor/ specialized agencies for the work of “Design of tunnel & Execution of Tunnel Ventilation, Fire Protection, Traffic Control System and E&M Works” in case contractor do not possess the requisite experience of these works.

ii. The Exchange rate of foreign currency shall be applicable 28 days before the Original date of submission of e-RFQ.

4.2 It may be noted that if the bidding agency do not possess an experience of designing the tunnel then the bidding agency is expected to have an MOU with a Design Consultant having experience of designing of a Transport tunnel of minimum 10.0 m dia. The employer will approve the Design Consultant by verifying Design Consultant’s eligibility after RFQ process .The RFQ documents shall be made available only after approval of Design consultant by the Employer. The bidding agency/entity shall ensure that the Design Consultants is not associated with any other agency bidding for this project.

4.3 The bidding agency if do not possess an experience of construction of concrete road then it is expected to have a MOU with experienced road contractor who has executed a concrete road of minimum 2 lane wide 17 km length or 4 lane wide 8.5 km length in a single project.

4.4 Bidders shall ensure the procurement of TBM from manufacturers having experience of manufacturing large diameter TBM i.e. more than 10 mtr dia.

Bidders shall ensure to deploy the experienced technical team of TBM operators having experience of operating large diameter TBM i.e. more than 10 mtr. dia. for day to day operation. An undertaking to this effect shall be insisted by MCGM from bidder before RFP.

5. Employer may send the list of bidders/sub-contractors to the relevant department of Govt. of India for clearance from national security and public interest perspective. The decision of the authorities in this regard shall be final and conclusive and binding on the bidders / Sub contractors. MCGM shall have the right to reject any bid / bidder / subcontractor if the relevant authority of Govt. of India doesn’t accord clearance to the bidder / sub- contractor.

JOINT VENTURE

In case of Joint Venture, the guidelines for the JV are as below-

a) Number of members in a JV firm shall not be more than two. A member of JV firm shall not be permitted to participate either in individual capacity or as a member of another JV firm in the same tender.

b) The tender form shall be purchased and submitted in the 'name of the JV firm or any constituent member of the JV.

c) The lead member should have at least 51% stake and other partner should have at least 26% stake.

d) A copy of Letter of Intent and Memorandum of Understanding (MoU) executed by the JV members shall be submitted by the JV firm along with this qualification submission. The complete details of the members of the JV firm, their share and responsibility in the JV firm etc. particularly with reference to financial, technical, and other obligation shall be furnished in the agreement.

e) Change in the composition of a Joint Venture will not be permitted after submission of RFQ. If changes are made at Post RFQ stage the bid will not accepted and agency will be liable to be black listed for Five (5) years.

f) Once Bid is allotted, the JV agreement shall not be modified/altered/terminated. In case of successful tenderer, the validity of this agreement shall be extended till the contract period expires. If the contractor fails to observe/comply with this stipulation, 2% of the bid amount shall be forfeited.

6. The selected Bidder, who is either a company incorporated under the Companies Act, 2013 or undertakes to incorporate as such prior to execution of the Contract agreement (the "Bidders") shall be responsible for designing, engineering, procurement and construction of the Project under and in accordance with the provisions of a long - term Contract agreement (the "Contract Agreement") to be entered into between the Bidders and the MCGM in the form provided by the MCGM as part of the Bidding Documents pursuant hereto.

7. **The scope of work will broadly include** "Design & Construction of Twin Tunnel with Precast Concrete Segmental lining by TBM Technology and cut and Cover box tunnel including Civil, Mechanical, Electrical, Traffic Control system, Fire-Fighting System & Ventilation system ".

8. Indicative capital cost of the Project (the "Estimated Project Cost") will be specified in the Bidding Documents of the Project. The assessment of actual costs, however, will have to be made by the Bidders.

9. The MCGM shall receive Applications pursuant to this RFQ in accordance with the terms set forth herein as modified, altered, amended and clarified from time to time by the MCGM, and all Applications shall be prepared and submitted in accordance with such terms on or before the date specified in Clause 1.3 for submission of Applications (the "Application Due Date").

10. Interested applicants may submit their Application for the project either as single entity or in the form of Joint Venture. Joint Venture is allowed with maximum two partners (One Lead and other as a supporting partner). The lead member should have at least 51% stake and other partner should have at least 26% stake in case of JV.

11. The firms must demonstrate that they meet or exceed the criteria in Qualification Criteria by providing details of Eligible Experience which shall be assessed against the characteristics. For Reference Project submitted as:

i. Eligible Experience:- the firm shall submit the relevant project details along with work order and scope of work in hand.

ii. In case a particular project has been jointly executed by the firm (or any Party constituting the Tenderer) as part of a JV, the firm shall further support its claim for the share in work done for that particular project by producing a certificate from its client. The Completion Certificate issued/shall be issued by the Authorized Officer of the concerned public authority and it shall be the basis for deciding the eligibility. "MCGM shall get it verified/vetted from the certificate issuing authority. However, it shall be responsibility of the bidders to follow up with their client & get it verified/vetted in stipulated time period.

iii. Contractor should upload scanned copy of Pan Card along with IT returns for the last five financial years, in case of an Indian Company and Audited Balance Sheets for last five financial years in case of Foreign Companies

iv. The Bidder shall have the minimum Turnover as specified at the close of the preceding financial year. (In case of a JV, the lead member should meet at least 51% of the minimum Turnover Criteria and the other Partner should fulfill at least 26% of the minimum Turnover Criteria together should fulfill 100 %)

v. In case of JV, any member of the JV may individually satisfy the eligibility criteria as specified under "**Qualification Criteria**".

Brief description of Bidding Process

12. Employer has adopted a two-stage process (collectively referred to as the "Bidding Process") for selection of the bidder for award of the Project. The first stage (the "Qualification Stage") of the process involves qualification (the "Qualification") of interested parties/ Joint Ventures who make an Application in accordance with the provisions of this RFQ (the "Applicant", which expression shall, unless repugnant to the context, include the Members of the Joint Venture). Prior to making an Application, the Applicant shall pay to the authority online through payment gateway from e-wallet, a non-refundable sum of INR 7700/- plus GST as the cost of the RFQ Documents and process downloading. After the evaluation of Applications, Employer shall inform by official e-mail to pre-qualified Applicants (Bidders) who are qualified (in RFQ) and they shall be eligible for participation in the second stage (RFP) of the Bidding Process (the "Bid Stage") comprising Request for Proposal (the "Request for Proposal" or "RFP"). At the same time, Employer shall notify the other Applicants that they have not been Qualified. Employer shall not entertain any query or clarification from Applicants who fail to qualify. Non-qualified bidders in request for qualification (RFQ) will be informed individually by e-mails.

13. In the Qualification Stage, Applicants would be required to furnish all the information specified in this RFQ. Only those Applicants who are qualified and short-listed by the Employer shall be invited to submit their Bids (RFP) for the Project. Employer is likely to provide a comparatively reasonable time span not less than 90 days for submission of the Bids (RFP) including design for the Project. The Applicants are, therefore, advised to visit the site and familiarize themselves with the Project.

14. In the Bid Stage, the Bidders will be called upon to submit their technical proposal & financial offers (the "Bids") in accordance with the RFP and other documents to be provided by the Authority (collectively the "Bidding Documents").

15. Further / other details of the process to be followed at the Bid Stage and the terms thereof will be spelt out in the Bidding Documents.

16. Any queries or request for additional information concerning this RFQ shall be submitted by e-mail to the officer designated below on or before 09.05.2020. The communications shall clearly bear the following identification/ title: "Queries/ Request for Additional Information: RFQ for **"DESIGN AND CONSTRUCTION OF TWIN TUNNEL INCLUDING APPROACHES & BOX TUNNEL OF GOREGAON MULUND LINK ROAD (GMLR) PROJECT"**

Interested bidders may obtain further information in the

Office of the Chief Engineer (BRIDGES),
5-B Bhandar, Bhandup Complex Store Building,
Darga Road, Khindipada, Mulund (West), Mumbai- 400082
Maharashtra, India
Email- che.gmlr@mcgm.gov.in

17. All interested bidders, whether already registered or not registered with MCGM, are mandated to get registered with MCGM for e-tendering process, Login Credentials to participate in the online tendering process on the above-mentioned portal under "e- procurement".

18. Before starting the e-RFQ process, the bidders will have to get vender number from MCGM's Central Purchase Department and obtain validation for this RFQ in e- tendering process. For any difficulties they may contact helpdesk.

19. For the registration, enrolment for digital signature certificate & user manual, Bidder may please refer to respective links provided in e-tendering tab on MCGM website. The Bidders can get digital signature from any one of the Certifying Authorities (CA's) licensed by the controller of Certifying Authorities namely Safes crypt, IDRBT, National Informatics Centre, TCS, Customs, MTNL, GNFC and e-Mudhra CA. MCGM has opened a help desk at the address mentioned above to help the tenderers in this regard.

20. Detailed procedure for e-Tendering process is displayed under e-tender tab on MCGM website. The tender documents may be downloaded by clicking the links C- (collaboration) "Folder" in "MCGM Documents", which includes the RFQ documents along with other relevant documents.

21. Submission of RFQ: Non-refundable processing fee is to be paid in Earnest money Deposit Tab in e-tendering module -

e-RFQ / Bid No.	**Name of the Work**	**Non-refundable processing fee**	**e-RFQ Document Price per copy**
7100177476	**DESIGN AND CONSTRUCTION OF TWIN TUNNEL INCLUDING APPROACHES & BOX TUNNEL FOR GMLR PROJECT"**	Rs. 2,00,000 /-	Document Cost: Rs. 7,700 /- +GST

22. Bidders are required to pay the above non-refundable processing fees in EMD tab through online gateway of Municipal Corporation of Greater Mumbai, on or before the end date & time of submission of tender, failing which, the Bids shall be treated as non-submitted and any sort of the submissions of such Bidder shall not be considered.

23. The e-Bidder(s) should upload scanned digitally signed copy of the original registration certificate to get registered with MCGM for e-tendering process, login credentials to participate in the online tendering process before purchasing / uploading / Submitting the e-tender copy. The e-tenders duly filled in should be uploaded and submitted online on or before the end date of submission. The e- Packets"RFQ" and C of the e-tenders will be opened in the office of **Chief Engineer (Bridges)** as per the time-table shown in the Header Data.

The dates and time for uploading the e-"RFQ" & opening of the e-"RFQ" are as under:

Sale of e-RFQ starts from	**Last Date & Time of e-RFQ Sale**	**Last Date of e-RFQ submission**	**Date of e-RFQ Opening**		
			e-Packet 'A'	**e-Packet 'B'**	**e-Packet 'C'**
29.04.2020 from 11.00 hrs	11.06.2020 up to 13.00 hrs	11.06.2020 up to 16.00 hrs	11.06.2020 After 16.05 hrs	11.06.2020 After 16.30 hrs	11.06.2020 After 17.00 hrs

Pre-RFQ meeting will be held at 20.00 hrs. on 12.05. 2020 in the Conference room of the AMC (P), 2nd Floor, Annex Building Municipal Head Office, Mahapalika Marg, Fort, Mumbai-400001, Maharashtra, India. If the situation warrants, the pre -RFQ meeting may be held by Video conferencing.

Other details can be seen in e-tender document. The dates and time for submission and opening of the packages are as shown in the Header data; if there are any changes in the dates the same will be displayed on the MCGM Portal: http://portal.mcgm.gov.in

Sd/-
Additional Muncipal Commisssioner (Projects)