



# MUMBAI METRO RAIL CORPORATION (MMRC)

(A JV company of Govt. of India and Govt. of Maharashtra)

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Invitation for Prequalification of bidders for Detailed Design, Engineering, Supply, Installation, Testing and Commissioning of Overhead Contact System, Auxiliary Substations, 33 kV Cable Distribution Network, and Integration with other Systems: Package : 11A

Date: 11<sup>th</sup> April 2016

Loan Agreement Number: [ID-P 233]

IFP Number: [MM3-CBS-PST-002/2015]

## Addendum No: 3

Sr No	Description and Clause No	Amendment
1	Prequalification Data Sheet ITA 5.1 Page PDS-3	<b>Replace</b>  “The documents will be available for a non-refundable fee of INR 2,500/- to be paid in the form of Demand Draft/Bankers Cheque from any Nationalized / Scheduled Bank in favour of “Mumbai Metro Rail Corporation Limited” payable at “Mumbai” at the office address mentioned above.”  <b>With</b>  “The documents will be available for a non-refundable fee of INR 2,500/- or US\$38 (Inclusive of MH VAT) to be paid in the form of Demand Draft/Bankers Cheque from any Nationalized / Scheduled Bank in favour of “Mumbai Metro Rail Corporation Limited” payable at “Mumbai” at the office address mentioned above.”

Sr No	Description and Clause No	Amendment
2	Clarification of Prequalification Documents ITA 6.1 Page ITA-6 & Page PDS-3	<p><b>Replace</b></p> <p>“The Employer will respond in writing to any request for clarification provided that such request is received no later than fourteen (14) days prior to the deadline for submission of Applications.”</p> <p><b>With</b></p> <p>“The Employer will respond in writing to any request for clarification provided that such request is received no later than Twenty one (21) days prior to the deadline for submission of Applications.”</p>
3	Documents Establishing the Qualifications of the Applicant ITA 13.2 Page ITA-8 & Page PDS-3	<p><b>Replace the second paragraph of ITA 13.2</b></p> <p>“For Construction turnover or financial data required for each year – Exchange rate prevailing on the last day of the respective calendar year.”</p> <p><b>With</b></p> <p>“For Construction turnover or financial data required for each year – Exchange rate prevailing on the last day of the respective calendar year for the countries where the financial year ending on 31st December and for the countries where the financial year ending on 31st March, the Exchange rate prevailing on the 31st December of the preceding year.”</p>
4	Subcontractors ITA 22.2 Page PDS-4	<p><b>Replace</b></p> <p>At this time the Employer does not intend to execute certain specific parts of the Works by subcontractors selected in advance (Nominated Subcontractors).</p> <p><b>With</b></p> <p>Specialised subcontractors will be permitted for certain specific components of work as mentioned in Section III. Qualification Criteria and Requirements 4.2(b) Specific Experience.</p>
5	Documents Comprising the Application PDS ITA 10.1(e)	<p><b>Replace</b></p> <p>“The Applicant shall submit with its Application, the following additional documents: NONE”</p>

Sr No	Description and Clause No	Amendment
	Page PDS-3	<p><b>With</b></p> <p>“The Applicant shall submit with its Application, the following additional documents:</p> <p>Form FIN-3.1, Form FIN-3.2 is duly filled shall be self-certified and certified by certified auditors/Chartered Accountants.</p> <p>Form FIN-3.3: Liquidity Position is duly filled and to be self-certified with supporting documents from the bank as per the format in page AF-14 of the Prequalification Document.</p> <p>Form EXP-4.1, Form EXP-4.2(a) and EXP-4.2(b) is duly filled shall be self-certified and supported by the necessary documents issued by the respective clients.”</p>
6	Documents Establishing the Qualifications of the Applicant ITA 13.2 PDS, Page PDS-3	<p><b>Replace</b></p> <p>“The source for determining exchange rates is Reserve Bank of India/ State Bank of India.”</p> <p><b>With</b></p> <p>“The source for determining exchange rate is Reserve Bank of India reference rate (foreign currency). If the source of the exchange rate for the Bidder’s proposed currency cannot be found in the Reserve Bank of India reference rate (foreign currency), then with the Employer’s concurrence, the rate in the web site; www.xe.com may be used.”</p>
7	Section III Qualification Criteria and Requirements Page QCR-5 3.1 Financial Performance	Refer Attachment No. 1 to Addendum No. 3 (Section III. Qualification Criteria and Requirements 3.1)
8	Section III Qualification Criteria and Requirements	Refer Attachment No. 1 to Addendum No. 3 (Section III. Qualification Criteria and Requirements 3.2)

Sr No	Description and Clause No	Amendment
	Page QCR-5 3.2 Average Annual Turnover	
9	Section III Qualification Criteria and Requirements Page QCR-6 4.1 General Construction Experience	Refer Attachment No. 1 to Addendum No. 3 (Section III. Qualification Criteria and Requirements 4.1)
10	Section III Qualification Criteria and Requirements Page QCR-6 4.2 (a) Specific Construction Experience	Refer Attachment No. 1 to Addendum No. 3 (Section III. Qualification Criteria and Requirements 4.2 (a))
11	Section III Qualification Criteria and Requirements Page QCR-6 4.2 (b) Specific Experience	Refer Attachment No. 1 to Addendum No. 3 (Section III. Qualification Criteria and Requirements 4.2 (b))
12	Section IV – Application Forms Page	Refer Attachment No. 2 to Addendum No. 3 (Section IV – Application Forms - Revised Form FIN - 3.2: Average Annual Construction Turnover)

Sr No	Description and Clause No	Amendment
	AF-12 Form FIN - 3.2: Average Annual Design & Build Construction Turnover	
13	Section IV – Application Forms Page AF- 13 Form FIN-3.3 : Liquidity Position	Refer Attachment No. 2 to Addendum No. 3 (Section IV – Application Forms - Revised Form FIN-3.3 : Liquidity Position)
14	Section IV Application Form Page AF-14 - Bank Format for Liquidity Position	<b>Replace</b> “(Rs. Amount i.e XXX.....)”  <b>With</b> “(INR/USD/EURO/YEN i.e. XXX.....)”
15	Section IV – Application Forms Page AF- 15 Form EXP - 4.1: General Construction Experience	Refer Attachment No. 2 to Addendum No. 3 (Section IV – Application Forms - Revised Form EXP - 4.1: General Construction Experience)
16	Section VI. Scope of Works Page SOW-3	<b>Replace</b> “Design, supply, installation, testing, and commissioning of 33 kV AIS Auxiliary Substations.....”  <b>With</b> “Design, supply, installation, testing, and commissioning of 33 kV GIS Auxiliary Substations.....”

Sr No	Description and Clause No	Amendment
	Para 4	
17	Prequalification Data Sheet, ITA 6.1, Page PDS-3	<p><b>Replace</b> “Telephone: +91 22 26384638”</p> <p><b>With</b> “Telephone: +91 22 26597654”</p>

CONTRACT PACKAGE MM3-CBS-PST-002/2015 (11A)

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
<b>3. Financial Situation</b>							
3.1	<b>Financial Performance</b>	The audited balance sheets or, if not required by the laws of the Applicant's country, other financial statements acceptable to the Employer, for the last 5 years <i>ending 31<sup>st</sup> March 2015 for the countries where the financial year ending on 31<sup>st</sup> March , or for the last 5 years ending 31<sup>st</sup> December 2015 for the countries where the financial year ending on 31<sup>st</sup> December</i> shall be submitted and must demonstrate the current soundness of the Applicant's financial position and indicate its prospective long-term profitability.  As the minimum requirement, an Applicant's net worth calculated as the difference between total assets and total liabilities should be positive.	Must meet requirement	N/A	Must meet requirement	N/A	Form FIN – 3.1 with attachments
3.2	<b>Average Annual Turnover</b>	The average annual construction turnover should be at least USD 32 million or equivalent thereof,	Must meet requirement	Must meet requirement	Must meet 25% of the requirement	Must meet 40% of the requirement	Form FIN – 3.2

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		calculated as total certified payments received for contracts in progress and/ or completed, within the last 5 financial years, divided by 5 years <i>(ending 31<sup>st</sup> March 2015 for the countries where the financial year ending on 31<sup>st</sup> March, or for the last 5 years ending 31<sup>st</sup> December 2015 for the countries where the financial year ending on 31<sup>st</sup> December)</i>					
3.3	<b>Liquidity Position</b>	The total amount, USD 7 million, of liquid assets and lines of credit during the duration of contract	Must meet requirement	Must meet requirement	Must meet 25% of the requirement	Must meet 40% of the requirement	Form FIN – 3.3

*Notes for Applicant:*

- (i) *To bring at par, Turnover values will be calculated by assuming 5% inflation per annum for Indian Rupees and 2% escalation per annum for foreign currency for first 4 years of Turnover values.*



Eligibility and Qualification Criteria			Compliance Requirements				Documentation
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
<b>4. Experience</b>							
4.1	<b>General Construction Experience</b>	Experience under General Railway <i>Systems</i> construction contracts in the role of prime contractor (single entity or JV member), subcontractor, or management contractor <sup>(i)</sup> for at least the last 5 years, <i>ending 31<sup>st</sup> December 2015</i> .	Must meet requirement	N/A	Must meet requirement	N/A	Form EXP – 4.1
4.2 (a)	<b>Specific Construction Experience</b>	A minimum number of 2 similar <sup>(ii)</sup> contracts that have been satisfactorily and substantially <sup>(iii)</sup> completed as a prime contractor (single entity or JV member) <sup>(iv)</sup> between 1st January 2006 and Application submission deadline	Must meet requirement	Must meet requirement (v)	N/A	N/A	Form EXP – 4.2 (a)
4.2 (b)	<b>Specific Experience</b>	For the above or other contracts completed and under implementation as prime contractor (single entity or JV member), management contractor or subcontractor <sup>(vi)</sup> between 1st January 2006 and Application submission deadline, a minimum construction experience in the following key activities (A+B+C) successfully completed <sup>(vii) (viii)</sup> .	Must meet requirement (can be a specialist subcontractor)	Must meet requirement (can be a specialist subcontractor)	N/A	N/A	Form EXP – 4.2 (b)

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		<p><b>(A) Overhead Contact System (OCS):</b></p> <p>(i) Flexible Overhead Conductor System (FOCS) – Design, construction, testing and commissioning of flexible OCS with comparable features in the preceding 10 years (ending December 31, 2015) as follows:                      One work of at least <i>10 Track km</i>                      Or                      Two works of at least <i>8 Track km</i> each                      Or                      Three works of at least <i>6 Track km</i> each.</p> <p>(ii) Rigid Overhead Conductor System (ROCS) - Design, construction, testing and commissioning of Rigid Overhead Conductor System at 1.5 kV and above, in the preceding 10 years (ending December 31, 2015) as follows:</p>					

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		<p>One work of at least <i>15 Route km</i> Or Two works of at least <i>12 Route km</i> each Or Three works of at least <i>10 Route km</i> each.</p> <p>The above works should include at least one work of ROCS at 25 kV AC for a minimum route length of 5 km.</p> <p><b>(B) Auxiliary Substations (ASS)</b> Design, construction, testing and commissioning of auxiliary substations <i>with primary voltage of 11kV and above and for secondary voltage of 415V</i>, in the preceding 10 years (ending December 31, 2015) as follows: One work of at least <i>20 Auxiliary Substations</i> Or Two works of at least <i>15 Auxiliary Substations</i> each</p>					

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		<p>Or</p> <p>Three works of at least <i>12 Auxiliary Substations</i> each</p> <p>NB: At least 5 substations from the above works should be <i>for Metro project</i>.</p> <p><b>(C) 33 kV Cable Distribution Network</b></p> <p>Design, Supply, Installation, Testing and Commissioning of 11kV and above <i>3 phase</i> cable distribution network as follows:</p> <p>One work of at least <i>40km length</i></p> <p>Or</p> <p>Two works of at least <i>30km length</i> each</p> <p>Or</p> <p>Three works of at least <i>25km length</i> each</p> <p><i>Note: Specialized sub-contractor is permitted for Component A(i)-Flexible OCS and Component (C)-</i></p>					

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Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		<i>33kV Cable Distribution Network.</i>					
<p><u>Notes for the Applicant</u></p> <p>(i) A management contractor is a firm which takes on the role of contract management as a “general” contractor of sort could do. It does not normally perform directly the construction work(s) associated with the contract. Rather, it manages the work of other (sub) contractors while bearing full responsibility and risk for price, quality, and timely performance of the work contract.</p> <p>(ii) The similarity shall be <i>defined as “A contract consisting of at least 50 TKM railway electrification works or 30TKM Metro Electrification works with or without Auxiliary substations and or 33KV cabling.”</i> Summation of number of small value contracts (less than the value specified under requirement) to meet the overall requirement will not be accepted.</p> <p>(iii) Substantial completion shall be based on 80% or more of the works completed under the contract.</p> <p>(iv) For contracts under which the Applicant participated as a JV member, only the Applicant’s share, by value, shall be considered to meet this requirement.</p> <p>(v) In case of a JV, the value of contracts completed by its members shall not be aggregated to determine whether the requirement of the minimum value of a single contract has been met. Instead, each contract performed by each member shall satisfy the minimum value of a single contract as required for single entity. In determining whether the JV meets the requirement of total number of contracts, only the number of contracts</p>							

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Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		completed by all members, each of value equal or more than the minimum value required, shall be aggregated.					
		(vi) For contracts under which the Applicant participated as a JV member or subcontractor, only the Applicant’s share, by value, shall be considered to meet this requirement.					
		(vii) Volume, number or rate of production of any key activity can be demonstrated in one or more contracts combined if executed during same time period. The rate of production shall be the annual production rate for the key construction activity (or activities). For the rate of production, either the average during the entire period or in any one or more years during the period should be specified.					
		(viii) The minimum experience requirement for multiple contracts will be the sum of the minimum requirements for respective individual contracts.					
		(ix) <i>To bring at par, Contract work values will be calculated by assuming 5% inflation per annum for Indian Rupees and 2% escalation per annum for foreign currency for first 9 years of works values.</i>					

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**Form FIN - 3.2**  
**Average Annual Construction Turnover**

*[The following table shall be filled in for the Applicant and for each member of a JV]*

Date: *[insert day, month, year]*

Applicant's Legal Name: *[insert full name]*

Applicant's Party Legal Name: *[insert full name]*

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<b>Annual Turnover Data</b>			
<b>Year</b>	<b>Amount and Currency</b>	<b>Exchange Rate*</b>	<b>USD Equivalent</b>
<i>[indicate year]</i>	<i>[insert amount and indicate currency]</i>	<i>[insert applicable exchange rate]</i>	<i>[insert amount in USD equivalent]</i>
Year 1			
Year 2			
Year 3			
Year 4			
Year 5			
<b>Average Annual Construction Turnover **</b>			

\* Refer to ITA 13.2 for date and source of exchange rate.

\*\* Total USD equivalent for all years divided by the total number of years. See Section III, Qualification Criteria and Requirements, Sub-Factor 3.2.

*Form duly filled shall be self-certified and certified by certified auditors/Chartered Accountants.*

**Form FIN- 3.3: Liquidity Position**

*[The following table shall be filled in by the Bidder and by each member of a JV.]*

Date: *[insert day, month, year]*

Bidder's Legal Name: *[insert full name]*

Joint Venture Party Legal Name: *[insert full name]*

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<b>Liquidity Position Data</b>				
<b>Month/Year</b>	<b>Source of Financing</b>	<b>Amount and Currency</b>	<b>Exchange Rate*</b>	<b>USD Equivalent</b>
<i>[indicate month/year]</i>	<i>[indicate source of financing]</i>	<i>[insert amount and indicate currency]</i>	<i>[insert applicable exchange rate]</i>	<i>[insert amount in USD equivalent]</i>

- Liquid assets and unused Line of Credit

*\*Date of Exchange rate: 31-12-2015*

*Source of Exchange rate: The source for determining exchange rate is Reserve Bank of India reference rate (foreign currency). If the source of the exchange rate for the Bidder's proposed currency cannot be found in the Reserve Bank of India reference rate (foreign currency), then with the Employer's concurrence, the rate in the web site; [www.xe.com](http://www.xe.com) may be used.*

*Applicants are required to submit a bank reference letter from a reputable commercial bank to the effect that such bank certifies the financial capability of the applicants to meet their financial obligation to perform the said contract and considers to issue a specific line of credit when and if the contract is awarded to the applicants.*

*Form duly filled and to be self-certified with supporting documents from the bank as per the format in page AF-14 of the Prequalification Document.*



**Form EXP - 4.1**  
**General Construction Experience**

*[The following table shall be filled in for the Applicant and for each member of a JV]*

Date: *[insert day, month, year]*

Applicant's Legal Name: *[insert full name]*

Applicant's Party Legal Name: *[insert full name]*

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*[Identify contracts that demonstrate continuous construction work over the past ten [10] years pursuant to Section III, Qualification Criteria and Requirements, Sub-Factor 4.1. List contracts chronologically, according to their commencement (starting) dates.]*

<b>General Railway System Construction Experience</b>			
<b>Starting Year</b>	<b>Ending Year</b>	<b>Contract Identification</b>	<b>Role of Applicant</b>
<i>[indicate year]</i>	<i>[indicate year]</i>	Contract name: <i>[insert full name]</i> Brief description of the Works performed by the Applicant: <i>[describe Works performed briefly]</i> Amount of contract: <i>[insert amount in currency, mention currency used, exchange rate and USD equivalent*]</i> Name of Employer: <i>[indicate full name]</i> Address: <i>[indicate street/number/town or city/country]</i>	<i>[insert "Prime Contractor (single entity or JV member)" or "Subcontractor" or "Management Contractor"]</i>

\* Refer to ITA 13.2 for date and source of exchange rate.

NB. Documentary evidence, issued by client, in support of experience is to be furnished.