

## Invitation for Bids

<b>Date:</b>	18 April 2018
<b>Loan No. and Title:</b>	49469-IND: Mumbai Metro Rail Investment Project
<b>Contract No. and Title:</b>	MRS1: Design, Manufacture, Supply, Testing, Commissioning and Training of 378 Numbers of Standard Gauge Metro Rail Cars for Mumbai Metro Rail Investment Project
<b>Deadline for Submission of Bids:</b>	12 June 2018, 15:00 hours Indian Standard Time (IST)

- India (hereinafter called "Borrower") has applied for financing from Asian Development Bank (ADB) toward the cost of **Mumbai Metro Rail Investment Project (MMRIP)**. Part of this financing will be used for payments under the contract named above. Bidding is open to Bidders from eligible source countries of ADB.
- Mumbai Metropolitan Region Development Authority (MMRDA) is the Owner of the Project and the Executing Agency for the proposed financing from ADB. MMRDA (the "Owner") has entered into an Agreement with Delhi Metro Rail Corporation Limited (DMRC) for carrying out the procurement process and implementing this contract on behalf of MMRDA. DMRC is a 50:50 joint venture of Government of India and the Government of National Capital Territory of Delhi. In accordance with the above arrangement, DMRC (the "Project Implementation Agency/Purchaser/Employer") on behalf of Mumbai Metropolitan Region Authority (MMRDA, the 'Owner') invites sealed bids from eligible bidders for the procurement of goods as mentioned below:

Procurement of Goods	Name of work	Units (Rail Cars)	Cost of Bid Document	Completion period in weeks
MRS1	Design, Manufacture, Supply, Testing, Commissioning and Training of 378 Numbers of Standard Gauge Metro Rail Cars for Mumbai Metro Rail Investment Project	378	INR 21,000 (inclusive as applicable GST) or US\$400	210

- International Competitive Bidding (ICB)** will be conducted in accordance with ADB's [Single- Stage: Two-Envelope](#) bidding procedure and is open to all bidders from eligible source countries.
- This is a substantially large contract requiring experience for supply and commissioning of metro rail cars and including some maintenance and performance responsibilities.

Detailed eligibility criteria are given in the bidding documents, and only eligible Bidders meeting the required key qualifications should participate in this bidding. Some of the indicative eligibility criteria, for purposes of illustration only, are as follows: (i) experience of assembly, supply, testing and commissioning of minimum of total 190 metro rail cars; (ii) Out of 190 or more metro rail cars commissioned a minimum of 95 metro rail cars should have completed satisfactory revenue operation; (iii) Design and manufacture of propulsion equipment; (iv) Available production capacity considering available bid capacity manufacturing; and (v) other eligibility criteria including financial parameters such as cashflow and turnover. The detailed formulation for these criteria are given in the bid documents and are given online as part of the Invitation For Bid (Section 3: "Evaluation and Qualification Criteria", of "Part I: Bidding Procedures") at the tendering websites of [Delhi Metro Rail Corporation](#) and [Mumbai Metropolitan Region Development Authority](#).

5. To obtain further information or inspect the Bidding Document, Bidders should contact the office of:

Chief Electrical Engineer/Rolling Stock-I Delhi Metro Rail Corporation Ltd.  
3rd Floor, NBCC Place  
Bhishma Pitamah Marg, Pragati Vihar New Delhi 110003 (India).  
Phone +91 11 24367698. Fax: +91 11 24367698  
E-mail Address: [mrs1.dmrc@gmail.com](mailto:mrs1.dmrc@gmail.com)

6. To purchase the bidding documents in English, eligible bidders should:

- Write to address above requesting the bidding documents for MRS1: Design, Manufacture, Supply, Testing, Commissioning and Training of 378 Numbers of Standard Gauge Metro Rail Cars for Mumbai Metro Rail Investment Project;
- Pay a non-refundable fee of INR 21,000/- (Indian Rupees Twenty-one thousand only) or USD 400 in the form of demand draft in favor of "Delhi Metro Rail Corporation" payable at any Scheduled Bank in New Delhi, India.
- If the Bidding Document is desired by courier/post, an additional sum of INR 1,000/- for the dispatch of the bidding document anywhere in India or USD 100 for dispatch of documents outside India should be sent. The Purchaser shall promptly dispatch the documents by Courier/Post, but under no circumstances will it be held responsible for late delivery or loss of documents so mailed.
- The Document shall be available for sale during office hours (IST 10:30 hrs. to IST 17:30 hrs.) from 28 April 2018 to 11 June 2018.

7. A pre-bid meeting will be held on 17<sup>th</sup> May 2018 at 15:00 hours IST at the following address:

Chief Electrical Engineer/Rolling Stock-I Delhi Metro Rail Corporation Ltd.  
3rd Floor, NBCC Place  
Bhishma Pitamah Marg, Pragati Vihar New Delhi 110003 (India).  
Phone +91 11 24367698. Fax: +91 11 24367698

8. Deliver bids:

- at the address  
Chief Electrical Engineer/Rolling Stock-I Delhi Metro Rail Corporation Ltd.

3rd Floor, NBCC Place  
Bhishma Pitamah Marg, Pragati Vihar New Delhi 110003 (India).  
Phone +91 11 24367698. Fax: +91 11 24367698

- on or before 12 June 2018, 15:00 hours Indian Standard Time (IST).
- Bids shall be accompanied by a bid security as per clause 21 of the Instructions to Bidders, and the Bid Data Sheet in Section (2). In the event of the specified deadline for submission of bid being declared a government holiday, the next official working day would be deemed as the last day for the submission of bid.

Technical bids will be opened immediately in the presence of Bidders' representatives who choose to attend, whereas the Financial Bids shall remain sealed and unopened and shall be placed locked. The Financial Bids of only Technically Responsible and Qualified Bidders shall be opened after Technical Bid Evaluation, whereas, the Financial Bids of those Bidders whose Technical Bids are not responsive and qualified shall be returned unopened after the contract is awarded.

**PART I: BIDDING PROCEDURES**  
**SECTION 3: Evaluation and Qualification Criteria**

## 2. Requirements for the Qualification Criteria

The legal entity or entities comprising the Bidder, and not the Bidder's parent companies, subsidiaries, or affiliates, must satisfy the qualification criteria described below.

### 2.1 Eligibility and Pending Litigation

#### 2.1.1 Eligibility

S.No.	Criteria	Compliance Requirements				Yes	No
		Single Entity	All Partners Combined	Each Partner	One Partner		
<b>2.1.1.1 Nationality</b>	Nationality in accordance with ITB Subclause 4.2.	must meet requirement	must meet requirement	must meet requirement	not applicable		
	Note : 1. Documents required in compliance to above shall be "Section-4: Bidding Forms: Bidder's Qualification: Technical Bid Submission Sheet; Forms ELI – 1 and ELI – 2". 2. A "NO" answer to above mentioned question will disqualify the Applicant.						
<b>2.1.1.2 Conflict of Interest</b>	No conflicts of interest in accordance with ITB Subclause 4.3.	must meet requirement	must meet requirement	must meet requirement	not applicable		
	Note : 1. Documents required in compliance to above shall be "Section-4: Bidding Forms: Bidder's Qualification: Technical Bid Submission Sheet". 2. A "NO" answer to above mentioned question will disqualify the Applicant.						
<b>2.1.1.3 ADB Eligibility</b>	Not having been declared ineligible by ADB, as described in ITB Subclause 4.4.	must meet requirement	must meet requirement	must meet requirement	not applicable		
	Note : 1. Documents required in compliance to above shall be "Section-4: Bidding Forms: Bidder's Qualification: Technical Bid Submission Sheet". 2. A "NO" answer to above mentioned question will disqualify the Applicant.						

<p><b>2.1.1.4 Government Owned Enterprise</b></p>	<p>Bidder required to meet conditions of ITB Subclause 4.5.</p>	<p>must meet requirement</p>	<p>must meet requirement</p>	<p>must meet requirement</p>	<p>not applicable</p>		
<p>Note :</p> <ol style="list-style-type: none"> <li>1. Documents required in compliance to above shall be "Section-4: Bidding Forms: Bidder's Qualification: Technical Bid Submission Sheet; Forms ELI – 1 and ELI – 2".</li> <li>2. A "NO" answer to above mentioned question will disqualify the Applicant.</li> </ol>							
<p><b>2.1.1.5 United Nations Eligibility</b></p>	<p>Not having been excluded by an act of compliance with a United Nations Security Council resolution in accordance with ITB Subclause 4.7.</p>	<p>must meet requirement</p>	<p>must meet requirement</p>	<p>must meet requirement</p>	<p>not applicable</p>		
<p>Note :</p> <ol style="list-style-type: none"> <li>1. Documents required in compliance to above shall be "Section-4: Bidding Forms: Bidder's Qualification: Technical Bid Submission Sheet".</li> <li>2. A "NO" answer to above mentioned question will disqualify the Applicant.</li> </ol>							

**2.1.2 Pending Litigation**

Pending litigation and arbitration criterion shall not apply.

**2.2 Experience and Technical Capacity****2.2.1 Contractual Experience**

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture		Submission Requirements	
		All Partners Combined	Each Partner	One Partner	
<p>Has the Bidder/Consortium/Joint Venture or its members, individually or jointly as a member of other Consortia/Joint Venture have experience of and carried out Interface (with other designated Contractors such as Signalling, Track, Traction etc.), Assembly &amp; Supply, Testing and Commissioning of minimum of total 190 cars (i.e. Metro, LRT, Sub-urban EMUs, Train Sets):</p> <p><b><u>EITHER</u></b> outside the country of origin in at least one (1) country</p> <p><b><u>OR</u></b> in India in the last ten (10) years.</p> <p>Out of the above, minimum no. of Stainless Steel / Aluminium cars designed and manufactured:</p> <p>(a) minimum 95 cars including design; or</p> <p>(b) minimum 95 cars comprising EMU/MEMU/Metro car manufactured for either a Metro Company or Indian Railways; or</p> <p>(c) Assembled more than 100 Metro cars.</p> <p><b>Note:</b></p> <p>1. For (b) &amp; (c) above, the Bidder should procure design/ToT from experienced designer or have JV with experienced designer who meets the criteria in respect of design. The credential to this effect should be submitted with the Bid.</p> <p>2. In the case of a Joint Venture/Consortium, the evaluation for the</p>	must meet requirement	must meet requirement	not applicable	not applicable	Section-4: Bidder's Qualification: Form EXP - 1

<p>criteria will be done in totality (algebraic aggregate of the evaluation of each member) and not as individual member. The member of the Joint Venture/Consortium who meets <math>\geq 50\%</math> of the specified criteria shall have percentage participation of 15% or more in the Joint Venture/Consortium.</p>					
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2.2.2.1 Technical Experience- Operational Performance

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture		Submission Requirements	
		All Partners Combined	Each Partner	One Partner	
<p><b>Operation performance</b></p> <p>Out of 190 or more cars commissioned in accordance with 'Clause No. 2.2.1 of Section-3', have minimum of total 95 cars (i.e. Metro, LRT, Sub-urban EMUs, Train Sets) completed satisfactory revenue operation:  <b>EITHER</b> outside the country of origin in at least one (1) country  <b>OR</b> in India                      for more than three (3) years.</p> <p><b>Note:</b></p> <p>In the case of a Joint Venture/Consortium, the evaluation for the criteria will be done in totality (algebraic aggregate of the evaluation of each member) and not as individual member. The member of the Joint Venture/Consortium who meets <math>\geq 50\%</math> of the specified criteria shall have percentage participation of 15% or more in the Joint Venture/Consortium.</p>	must meet requirement	must meet requirement	not applicable	not applicable	Section-4: Bidder's Qualification: Form EXP – 2.1



## 2.2.2.2 Technical Experience- Propulsion System

Criteria	Compliance Requirements				Documents
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
<p><b><u>Propulsion system</u></b></p> <p>Does any Member of the Consortium/Joint Venture individually or in aggregate have cumulative experience of minimum ten(10) years in the Design and Manufacturing of Propulsion Equipment (Traction Converter Inverter, Auxiliary Converter- Inverter and Traction Motor) for Metro rolling stock AND do the propulsion Equipment supplied have been in satisfactory revenue operation for at least five (5) years in minimum aggregate 500 cars comprising of both powered and non-powered cars, supplied against minimum five(5) different contracts in the Metros (i.e. MRT, LRT, Sub-urban Railways or high speed railways) of minimum two(2) different countries outside the country of origin.</p> <p><b>OR</b></p> <p>Does the Manufacturer of the Propulsion Equipment (Traction Converter Inverter, Auxiliary Converter-Inverter and Traction Motor) proposed by the Bidder as a sub-contractor for supply of the Propulsion Equipment against this Bid, has minimum ten(10) years experience in the field of Design and Manufacturing of the Propulsion Equipment AND do the Propulsion Equipment Designed, Manufactured and Supplied by the said manufacturer have been in satisfactory revenue operation for at least five(5) years in minimum aggregate 500 cars comprising of both powered and non-powered cars, supplied against minimum five(5) different contracts in the Metros(i.e. MRT, LRT, Sub-urban Railways and high speed railways) of minimum two(2) different countries outside his country of origin.</p> <p><b>Note:</b> The criteria mentioned in this clause</p>	must meet requirement	must meet requirement	not applicable	not applicable	Section-4: Bidder's Qualification: Form EXP – 2.2

applies only to the manufacturer of the Propulsion Equipment, who can be either a member of the Consortium/JV or a sub-contractor.					
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### 2.2.3 Production Capacity

Criteria	Compliance Requirements			Documents	
	Requirement	Single Entity	Joint Venture		Submission Requirements
All Partners Combined			Each Partner	One Partner	
<b>Available Production Capacity</b>	must meet requirement	must meet requirement	not applicable	not applicable	Section-4: Bidder's Qualification: Form EXP – 3.1, 3.2 and 3.3
As per below mentioned methodology.					

#### **Methodology for working out the Available Bid Capacity Manufacturing (ABCM)**

The Available Bid Capacity-Manufacturing ABCM of the proposed manufacturing plant(s) for supply of cars against this Bid shall be equal to or more than the bided quantity.

The Bidders shall note that they shall have to meet both the ABCMs (ABCM<sub>O</sub> and ABCM<sub>C</sub>) calculated as per the methodology defined below independently and separately for both Offshore and Onshore manufacturing plants, failing which their bids shall be considered as 'FAIL' in the 'Evaluation and Qualification Criteria'.

ABCM will be calculated as under:

#### **I. ABCM considering the 'Ordered Quantity' (ABCM<sub>O</sub>):**

The ABCM<sub>O</sub> will be calculated as per the following formula

$$ABCM_O = (1.1 \times P \times N_M) - (Q)$$

#### **II. ABCM considering the 'Ordered Quantity' and 'Existing Commitments' (ABCM<sub>C</sub>):**

The ABCM<sub>C</sub> will be calculated as per the following formula

$$ABCM_C = (2 \times P \times N_M) - (Q+R)$$

Where,

**P** = Maximum no. of EMU cars (other than trams) manufactured in the proposed plant in any consecutive 12 months during the last five (5) years. In case the bidder proposes a new manufacturing plant, the value of 'P' shall be as declared by the bidder in the bid;

**N<sub>M</sub>** = No. of years in which supply is to be made [N<sub>M</sub> = 4.25 (1553 days) in this case];

**Q** = No. of EMU cars (other than trams) to be manufactured in the proposed manufacturing plant under existing on-going ordered quantity including orders being executed for its associated group of companies (works in

hand) to be completed during next “4.25 years (1553 days)” starting from the twenty eight days prior to ‘date for Bid submission’.

**R** = No. of EMU cars (other than trams) committed to be manufactured in the proposed manufacturing plant against existing Commitments i.e. bids already submitted but not finalized including the commitments made by the associated group of companies, wherein 'EMU Cars' are to be sourced from the proposed manufacturing Plant excluding the 'Work in hand' (Q), to be completed during next “4.25 years (1553 days)” starting from the twenty eight days prior to ‘date for Bid submission’. The commitments shall include the quantity committed in various Bids which are under evaluation.

**Both  $ABC_{M_o}$  and  $ABC_{M_c}$  calculated as per the above formulae shall be independently equal to or more than the bided quantity.**

**Note:**

**1. Value of ‘P’:**

The maximum no. of EMU cars (other than trams) manufactured in any consecutive 12 months during last five (5) years ('P' in the above formula) shall be the maximum no. of EMU cars manufactured in the Plant under consideration only in any consecutive 12 months during the last five(5) financial years. Financial year as applicable in the country of origin where proposed plant exists would be considered. The Maximum no. of EMU cars manufactured in the proposed plant during the last five (5) years to be furnished in response to 'Form-3.1' shall be considered for evaluating the value 'P' in above formula and the details furnished by the applicant shall be supported by suitable documents.

**2. Value of ‘Q’:**

No. of EMU cars (other than trams) to be manufactured in the proposed plant under existing on-going ordered quantity including the orders being executed for its associated group of companies (Works in hand) to be completed during next “4.25 years (1553 days)” starting from the twenty eight days prior to ‘date for Bid submission’ to be furnished in response to 'Form-3.2' shall be considered for evaluating the value 'Q' in above formula and the details furnished by the applicant shall be supported suitable documents.

The ‘twenty eight days prior to date for Bid submission’ means for eg: Say, if ‘date for Bid submission’ is 14.06.2018, then ‘twenty eight days prior to date for Bid submission’ will be 17.05.2018 and next “4.25 years (1553 days)” period will be period up to 17.08.2022.

**3. Value of ‘R’:**

No. of EMU cars (other than trams) committed to be manufactured in the proposed plant against existing Commitments made i.e. bids already submitted but not finalized including the commitments made by the associated group of companies, wherein 'EMU Cars' are to be sourced from the proposed manufacturing Plant excluding the 'Work in hand (Q)', to be completed during next “4.25 years (1553 days)” starting from the twenty eight days prior to ‘date for Bid submission’ to be furnished in response to 'Form-3.3' shall be considered for evaluating the value 'R' in above formula and the details furnished by the applicant shall be supported suitable documents.

The ‘twenty eight days prior to date for Bid submission’ means for eg: Say, if ‘date for Bid submission’ is 14.06.2018, then ‘twenty eight days prior to date for Bid submission’ will be 17.05.2018 and next “4.25 years (1553 days)” period will be period up to 17.08.2022.

**4.** The  $ABC_{M_c}$  calculated as per the defined formulae will be rounded up to the next higher integer.

**5.** In case the Bidder proposes to manufacture certain no. of cars in Offshore and balance cars in Onshore plants, the  $ABC_{M_o}$  and  $ABC_{M_c}$  for both offshore & onshore plants shall be calculated and given separately and the qualification of bidders shall be evaluated separately for offshore and onshore plants capacity. The Bidders shall have to meet both the  $ABC_{M_o}$  and  $ABC_{M_c}$  independently and separately for both Offshore and Onshore manufacturing plants.

6. The Bidder shall confirm that the Rolling Stock proposed to be supplied under the Contract shall be from the plant whose experience has been utilized for qualifying the tender conditions.
- i. In case multiple plants have been opted for getting qualified under the Evaluation and Qualification criteria (Section-3). The Rolling Stock proposed under the Contract shall be supplied from the plant having maximum percentage participation for meeting the Evaluation and Qualification criteria.
  - ii. In case the proposed Rolling Stock is manufactured in a new plant to be established after award of the contract then the above stated condition shall not apply.

For understanding ABCMs please refer to the example below:

Say Bidder 'X' propose manufacturing of 90 cars in Offshore plant and 288 cars in Onshore plant, the ABCM (ABC<sub>O</sub> and ABC<sub>C</sub>) calculation sheet to be submitted by Bidder 'X' for Offshore and Onshore plants shall be as follows:

S. No	Manufacturing Plants	No. of cars proposed by bidder for manufacturing in Offshore/Onshore plant	P	Q	R	N <sub>M</sub> (in years)	ABC <sub>O</sub> = (1.1xPxN <sub>M</sub> )-(Q) (rounded up to next higher integer)	ABC <sub>C</sub> = (2xPxN <sub>M</sub> )-(Q+R) (rounded up to next higher integer)
1.	OFFSHORE PLANT	90 cars	95	100	50	4.25	345	658
2.	ONSHORE PLANT	288 cars	60	150	90	4.25	131	270

Therefore,

**ABC<sub>M</sub> for Offshore plant works out as under:**

I. ABC<sub>O</sub> for Offshore Plant = 345, which is more than the proposed number of cars i.e. 90 cars and thus acceptable.

II. ABC<sub>C</sub> for Offshore Plant = 658 cars, which is more than the proposed number of cars i.e. 90 cars and thus acceptable.

**ABC<sub>M</sub> for Onshore plant works out as under:**

I. ABC<sub>O</sub> for Onshore Plant = 131, which is less than the proposed number of cars i.e. 288 cars and thus unacceptable.

II. ABC<sub>C</sub> for Onshore Plant = 270 cars, which is less than the proposed number of cars i.e. 288 cars and thus unacceptable.

Therefore, Bidder 'X' is considered as '**FAIL**' as the **ABC<sub>O</sub>** and **ABC<sub>C</sub> for Onshore plant are not met**.

**Note:**

- i) For qualifying this criteria, Bidder 'X' has to meet the above committed plant capacities (ABC<sub>O</sub> and ABC<sub>C</sub>) independently and separately for both proposed Offshore and Onshore manufactured cars.

- ii) It is entirely up to the Bidders to propose only offshore plants, only onshore plants or their combination. No Bidders shall be disqualified for the reason of proposing only offshore plant(s).**

## 2.3 Financial Situation

## 2.3.1 Historical Financial Performance

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture		Submission Requirements	
		All Partners Combined	Each Partner	One Partner	
<p><b><u>Net Worth</u></b></p> <p>The minimum requirements to 'Pass' this criteria is that the Balance sheets should indicate that the Net Worth of the applicant (to be obtained from latest audited Balance Sheet/ Form FIN -1: Historical Financial Performance mentioned above) shall be 'positive'.</p> <p>The financial year as applicable in the country of origin of the bidders would be considered. The 'last financial year' will be the latest financial year that ended on or before 31.03.2017.</p> <p>In case of a Joint Venture/Consortium, the evaluation against the above eligibility criteria will be done in totality (i.e. algebraic aggregate of evaluation of each member) and not as individual member.</p>	must meet requirement	not applicable	must meet requirement	not applicable	Section-4: Bidder's Qualification: Form FIN - 1

## 2.3.2 Size of Operation (Average Annual Turnover)

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
<p><b><u>Average Annual Turn Over</u></b></p> <p>The minimum requirements to 'Pass' this criteria is that the Average Annual Turn Over for the last five financial years for Rolling Stock manufacture only (in terms of rupee equivalent adjusted to last date of the financial year that ended on or before 31.03.2017, by assuming 5% escalation for Indian Rupee and 2% for foreign currency per year) shall not be less than INR 14500 million.</p> <p>The value of annual turnover shall be calculated as total certified payments received for Contracts in progress and/or completed, within last Five Financial years divided by Five years.</p> <p>The financial year as applicable in the country of origin of the bidders would be considered. The 'last financial year' will be the latest financial year that ended on or before 31.03.2017.</p> <p>In case of a Joint Venture/Consortium, the above evaluation will be done in totality after applying pro-rata percentage participation of each member and not as individual member. For e.g., if there are three members in a Joint Venture/Consortium with pro-rata percentage participation of 'A%', 'B%' and 'C%' and the Average Annual Turnover of the respective members are 'X', 'Y' and 'Z', then the evaluation for the above criteria will be based on the pro-rata percentage</p>	must meet requirement	not applicable	must meet requirement	not applicable	Section-4: Bidder's Qualification: Form FIN - 2

applied algebraic aggregate i.e. 'AX+BY+CZ'.					
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2.3.3.1 Cash Flow Capacity

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
<p><b>Liquidity</b></p> <p>It is necessary that the firm can withstand the Cash Flow that the contract will require until payment received from Employer. Liquidity therefore becomes an important consideration.</p> <p>This can be seen from the balance sheets and/or from the banking reference. Net current assets {(Current assets + loans &amp; advances) – (current liabilities + provision)} or documents including banking reference, should show that the applicant has access to or has available liquid assets, lines of credit and other financial means to meet cash flow INR 1600 million for this contract, net of applicant's commitments for other Contracts. Banking reference should contain in clear terms the amount that bank will be in a position to lend for this work to the applicant/member of the Joint Venture/Consortium <b>in the form given in "Section-4, Form FIN - 3: Cash Flow Capacity"</b>. In case the Net Current Assets (as seen from the Balance Sheets) are negative, only the Banking references will be considered. Otherwise the aggregate of the Net Current Assets and submitted Banking references will be considered for working out the Liquidity.</p>	must meet requirement	not applicable	must meet requirement	not applicable	Section-4: Bidder's Qualification: Form FIN-1 and FIN - 3



<p>Liquidity of INR / 1600 million available: <b>Pass</b></p> <p>Liquidity of INR / 1600 million not available: <b>Fail</b></p> <p>In case of a Joint Venture/Consortium, the above evaluation will be done in totality after applying pro-rata percentage participation of each member and not as individual member. For e.g., if there are three members in a Joint Venture/Consortium with pro-rata percentage participation of 'A%', 'B%' and 'C%' and the calculated liquidity of the respective members are 'X', 'Y' and 'Z', then the evaluation for the above criteria will be based on the pro-rata percentage applied algebraic aggregate i.e. 'AX+BY+CZ'.</p> <p>However, in case the applicant is a Joint Venture/Consortium and if Banking Reference is issued by the Bank in favour of the Joint Venture/Consortium for this Contract, then it will be considered for the amount stated in the banking reference without applying pro-rata % participation of each member.</p>					
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## 2.3.3.2 Bid Capacity

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
<p><b>Available Bid Capacity</b></p> <p>As per below mentioned methodology.</p>	must meet requirement	not applicable	must meet requirement	not applicable	Section-4: Bidder's Qualification: Form FIN-2 and FIN - 4

**Methodology for Working out the Available Bid Capacity**

The Bidders will be qualified only if their available bid capacity is more than the estimated cost of work. Available bid capacity will be calculated as under:

$$\text{Available Bid Capacity} = 2AN - B$$

Where,

**A** = Maximum value of Rolling Stock manufacture in any one (1) year during the last five (5) years;

**N** = No. of years in which supply and commissioning is to be done [N = 4.45 (1623 days) in this case];

**B** = Value [at price level as on the twenty eight days prior to 'date for Bid submission' (refer Form of Bid - Appendix FB-1)] of on-going works ('works in hand') to be completed during next "4.45" years or "1623 days" starting from the twenty eight days prior to 'date for Bid submission'.

The estimated cost of work may be taken as Rs. 39000 Million (excluding Taxes and duties).

**Note:**

- In case of a Joint Venture/Consortium, the above formula will be applied to each member to the extent of his proposed percentage (%) participation in the execution of the work. The Bid Capacity of the Joint Venture/Consortium will be the sum total of the Bid Capacity of each member **who shall manufacture the Rolling Stock proposed to be supplied under the contract** of the Joint Venture/Consortium as calculated above.
- Value of 'A':**

The maximum value of Rolling Stock manufactured in any one year during last five (5) years ('A' in the above formula) shall be the maximum turnover of Rolling Stock manufactured in any one (1) financial year during the last five (5) financial years. Financial year as applicable in the country of origin of the bidders would be considered. The turnover of Rolling Stock manufactured to be furnished in response to "Form Fin-

2: Size of Operation (Average Annual Turnover)” above shall be considered for evaluating the value ‘A’ in above formula and the details furnished by the applicant shall be supported with audited copies, duly certified by Independent chartered accountant/CPA, indicating Annual turnover of Rolling Stock only.

### 3. Value of ‘B’:

The value of on-going works (‘works in hand’ i.e. ‘B’ in the above formula) as furnished in response to “Form Fin-4: Available Bid Capacity” above. The ‘twenty eight days prior to date for Bid submission’ means for eg: Say, if ‘date for Bid submission’ is 14.06.2018, then ‘twenty eight days prior to date for Bid submission’ will be 17.05.2018 and next (“4.45” years or “1623 days” period will be period up to 26.10.2022.

Here ‘Work in Hand’ means Bidders and each member of JV/Consortium shall provide information on their current commitments on all Contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for Contracts approaching completion but for which an unqualified full completion certificate has yet to be issued.

### # Note:

1. ‘Ten (10) years’/‘Last ten (10) years’ means the period of last ten (10) years counted from the twenty eight days prior to ‘date for Bid submission’ (refer Form of Bid –Appendix FB-1). ‘Five (5) years’/‘Last five years’ means the period of last five (5) years counted from the twenty-eight days prior to ‘date for Bid submission’. ‘Three (3) years’/‘Last three years’ means the period of last three (3) years counted from the twenty eight days prior to ‘date for Bid submission’. eg: Say, if date for Bid submission is 14.06.2018, then ‘twenty eight days prior to date for Bid submission’ will be 17.05.2018 and last ten (10) years would mean from 17.05.2008 to 17.05.2018 and last five (5) years would mean from 17.05.2013 to 17.05.2018 and last three (3) years would mean from 17.05.2015 to 17.05.2018.  
In case of postponement(s) in ‘date for Bid submission’, if any, last ten (10) years would mean from 17.05.2008 to twenty eight days prior to postponed ‘date for Bid submission’ and last five (5) years would mean from 17.05.2013 to twenty eight days prior to postponed ‘date for Bid submission’ and last three (3) years would mean from 17.05.2015 to twenty eight days prior to postponed ‘date for Bid submission’.
2. The ‘Applicant’ would include Joint Venture/ Consortium submitting the bid as well as members of such Joint Venture/ Consortium.
3. For Criteria at serial number 2.2.1, 2.2.2.1 and 2.2.2.2, if the qualification criteria by the Applicant is met by utilizing the credentials of the 100% wholly owned subsidiary of the Applicant, the same shall be accepted subject to following:
  - the subsidiary must be under the Applicant’s immediate control in respect of rights, liabilities, assets and obligations, and
  - the Applicant’s Board of Directors must have been entrusted with the authority and responsibility to discharge all necessary and essential decisions and functions for the subsidiary.

**3. SUMMARY OF REQUIREMENTS FOR THE QUALIFICATION CRITERIA**

An applicant would **Pass** Requirements for the Qualification Criteria, if he meets the following independently:

- a) Pass in 'Eligibility'. (Clause 2.1 above);
- b) Pass in 'Experience and Technical Capacity'. (Clause 2.2 above);
- c) Pass in 'Financial Situation'. (Clause 2.3);