



# CHENNAI METRO RAIL LIMITED

CHENNAI METRO RAIL PROJECT PHASE - 1 EXTENSION

## ADDENDUM-02

TO BIDDING DOCUMENTS

for

TENDER ATW-07/RT-01

*Installation, Testing and Commissioning of Ballastless Track of Standard Gauge in Elevated, Underground Sections and Wimco Nagar Depot along with supply and installation of Buffer stops for Chennai Metro Phase-1 Extension Project*

**Employer:** Chennai Metro Rail Limited

**Country:** India

**Project:** Chennai Metro Rail Project Phase 1 – Extension

**Loan Agreement No.:** ID-P258

The following clauses to be changed in the ATW-07 Tender.

S. No	Page reference No.	Tender Clause	Description	Addendum/Amendments to the Tender document
1	57 of 795	Part 1, Section III-Evaluation and Qualification criteria (without prequalification), clause 2.4.2 (a) & (b),	<p>A minimum number of work(s) 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 2013 and Bid submission deadline.</p> <p>a1). One work <sup>(iii)</sup> of value <b>INR 20.244Cr.</b> or above or a2). Two works <sup>(iii)</sup> each of value <b>INR 14.16Cr.</b> or above or a3). Three works <sup>(iii)</sup> each of value <b>INR 11.56 Cr.</b> or above</p> <p>For the above or other contracts completed and under implementation as prime contractor (single entity or JV member), management contractor or sub-contractor<sup>(vi)</sup> between 1st January 2013 and Bid submission deadline, a minimum construction experience in the following key activities successfully completed<sup>(iii)</sup></p> <p>b1) One work of installation of ballastless track for a metro or railway project of 10 track km or more or b2) Two works of installation of ballastless track for a metro or railway project, each 7.5 track km or more or b3) Three works of installation of ballastless track for a metro or railway project, each 5 track km or more</p>	<p><b>DELETED</b></p> <p>For the above or other contracts completed and under implementation as prime contractor (single entity or JV member), management contractor or sub-contractor<sup>(vi)</sup> between 1st January 2013 and Bid submission deadline, a minimum construction experience in the following key activities successfully completed<sup>(iii)</sup></p> <p>b1) One work of installation of <b>ballastless</b> track for a metro or railway project of 10 track km or more. or b2) Two works of installation of <b>ballastless</b> track for a metro or railway project, each 7.5 track km or more. or b3) Three works of installation of <b>ballastless</b> track for a metro or railway project, each 5 track km or more.</p>
2	51 of 795	Part 1, Section III-Evaluation	For ATW-07 package, the Bidder must demonstrate that it has the key equipment listed hereafter:	For ATW-07 package, the Bidder must demonstrate that it has the key equipment listed hereafter:

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			S. No.	Equipment Type and Characteristics	Minimum Number required	S. No.	Equipment Type and Characteristics	Minimum Number required
		and Qualification criteria(without prequalification), clause 1.1.3-Equipment	1	Flash Butt Welding Setup	2	1	Flash Butt Welding Setup	2
			2	150 tonne Safe Working Load (SWL) Crane	2	2	150 tonne Safe Working Load (SWL) Crane	2
			3	Batching Plant (30 cum)	1	3	Batching Plant (30 cum)	<b>DELETED</b>
			4	Transit Mixers	4	4	Transit Mixers	4
			5	Concrete Pump / Boom Placer	2	5	Concrete Pump / Boom Placer	2
			6	Automatic Bending and Cutting machinery for Reinforcement	1	6	Automatic Bending and Cutting machinery for Reinforcement	1
			<p>The Bidder shall provide further details of proposed items of equipment using Form EQU in Section IV, Bidding Forms as well as copies of invoices and rental or lease agreement. Arrangement with RMC plant to provide concrete in the event of breakdown of the batching plant shall be furnished after award of work. Plant and machinery shall not be older than five years.</p> <p>As an alternative to Sl. 3 &amp; 4 above, the contractor may</p>			<p>a) The Bidder shall provide further details of proposed items of equipment using Form EQU in Section IV, Bidding Forms as well as copies of invoices and rental or lease agreement. Arrangement with RMC plant to provide concrete in the event of breakdown of the batching plant shall be furnished after award of work. Plant and machinery shall not be older than five years.</p>		

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			opt for agreement with minimum 2 RMC plants to supply the concrete as and when required as per the required design mix of concrete, and the same may be submitted.	<p>b) As an alternative to Sl. 4 above, the contractor may opt for agreement with minimum 3 RMC plants to supply the concrete as and when required as per the required design mix of concrete, and the same may be submitted <b>after award of Letter of Acceptance (LoA).</b></p> <p>c) <b>The bidder shall submit confirmation/agreement/undertaking that the above equipment will be supplied/deployed in accordance with the tender conditions at the time of bid submission.</b></p>															
	50 of 795	Part 1, Section III- Evaluation and Qualification criteria (without prequalification), clause 1.1.2- Personnel	<p>For ATW-07 package, the Bidder must demonstrate that it has the personnel employed by them for the key positions that meet the following requirements.</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Position</th> <th>Minimum Requirement</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Project Manager</td> <td>1 No. with Bachelor's Degree/ Post Graduation in Civil Engineering with minimum 15 years total experience and 10 years' experience in the role of Project Manager in the execution of similar type of works</td> </tr> <tr> <td>2</td> <td>Dy. Project Manager: Ballastless Track and Turnouts</td> <td>2 No. with Bachelor's Degree in Civil Engineering with minimum 10 years total experience and 5 years' experience in installation of</td> </tr> </tbody> </table>	S. No.	Position	Minimum Requirement	1	Project Manager	1 No. with Bachelor's Degree/ Post Graduation in Civil Engineering with minimum 15 years total experience and 10 years' experience in the role of Project Manager in the execution of similar type of works	2	Dy. Project Manager: Ballastless Track and Turnouts	2 No. with Bachelor's Degree in Civil Engineering with minimum 10 years total experience and 5 years' experience in installation of	<p>For ATW-07 package, the Bidder must demonstrate that it has the personnel employed by them for the key positions that meet the following requirements.</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Position</th> <th>Minimum Requirement</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Project Manager</td> <td>1 No. with Bachelor's Degree/ Post Graduation in Civil Engineering with minimum 15 years total experience and 10 years' experience in the role of Project Manager in the execution of similar type of works</td> </tr> </tbody> </table>	S. No.	Position	Minimum Requirement	1	Project Manager	1 No. with Bachelor's Degree/ Post Graduation in Civil Engineering with minimum 15 years total experience and 10 years' experience in the role of Project Manager in the execution of similar type of works
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					Ballastless Track	2	Dy. Project Manager: Ballastless Track and Turnouts	2 No. with Bachelor's Degree in Civil Engineering with minimum 10 years total experience and 5 years' experience in installation of Ballastless Track
			3	Planning and Scheduling Manager	1 No. with Bachelor's Degree in Civil Engineering with minimum 10 years total experience and 7 years' experience in the role of Planning and Scheduling Manager in the execution of similar type of works. Certificate for experience in the use of planning software such as Primavera/ MS Project is essential	3	Planning and Scheduling Manager	1 No. with Bachelor's Degree in Civil Engineering with minimum 10 years total experience and 7 years' experience in the role of Planning and Scheduling Manager in the execution of similar type of works. Certificate for experience in the use of planning software such as Primavera/ MS Project is essential
			4	QA & QC Manager	1 No. each with Bachelor's Degree in Civil Engineering and certificate in QA & QC, with minimum 12 years total experience and 8 year experience in the role of QA & QC Manager in the execution of similar type of works, esp having experience in Rail Welding QA & QC	4	QA & QC Manager	1 No. each with Bachelor's Degree in Civil Engineering and certificate in QA & QC, with minimum 12 years total experience and 8 year experience in the role of QA & QC Manager in the execution of similar type of works, esp having experience in Rail Welding QA & QC
			5	Chief Safety and Health Manager	1 No. with Bachelor's Degree in Engineering with Diploma in Safety Course with minimum 10 years total experience and 7 year experience in the role of			

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				Chief Safety and Health Manager in the execution of similar type of works	5	Chief Safety and Health Manager	1 No. with Bachelor's Degree in Engineering with Diploma in Safety Course with minimum 10 years total experience and 7 year experience in the role of Chief Safety and Health Manager in the execution of similar type of works
			6	Survey In-Charge 1 No. with minimum 10 years total experience and 5 year experience in Installation of Ballstless Trackwork in Urban Context	6	Survey In-Charge	1 No. with minimum 10 years total experience and 5 year experience in Installation of Ballstless Trackwork in Urban Context
			<p>This is the minimum requirement for personnel. However, additional personnel must be deployed as needed. The supporting documents of qualification and experience from the client/ employer need to be submitted along with bid documents.</p>		<p>a) This is the minimum requirement for personnel. However, additional personnel must be deployed as needed. The supporting documents of qualification and experience from the client/ employer need to be submitted along with bid documents.</p> <p>b) Total work experience of personnel mentioned above is for Engineering graduates. For Diploma holders, the total number of years of experience shown above should be increased by 3 years.</p> <p>c) The Bidder shall provide details of the proposed personnel and their experience records in Form PER-1 and Form PER-2 in Section IV, Bidding Forms.</p>		
			<p>Total work experience of personnel mentioned above is for Engineering graduates. For Diploma holders, the total number of years of experience shown above should be increased by 3 years.</p> <p>The Bidder shall provide details of the proposed personnel and their experience records in Form PER-1 and Form PER-2 in Section IV, Bidding Forms.</p>				

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				<p>d) The bidder shall submit undertaking at the time of bid submission, for deploying proposed personnel in accordance with the tender conditions .</p> <p>e) The Tenderer should note that all the key staff if not employed as per tender conditions, penalty will be imposed as per the below table:</p> <table border="1" data-bbox="1413 611 2063 898"> <thead> <tr> <th data-bbox="1413 611 1525 683">Sl. No.</th> <th data-bbox="1525 611 1771 683">Event/Day</th> <th data-bbox="1771 611 2063 683">Penalty Amount</th> </tr> </thead> <tbody> <tr> <td data-bbox="1413 683 1525 754">1</td> <td data-bbox="1525 683 1771 754">0-30 days from LoA</td> <td data-bbox="1771 683 2063 754">No penalty</td> </tr> <tr> <td data-bbox="1413 754 1525 898">2</td> <td data-bbox="1525 754 1771 898">Each Key personnel not deployed beyond 30 days</td> <td data-bbox="1771 754 2063 898">INR 1,00,000/- per month or pro-rata.</td> </tr> </tbody> </table>	Sl. No.	Event/Day	Penalty Amount	1	0-30 days from LoA	No penalty	2	Each Key personnel not deployed beyond 30 days	INR 1,00,000/- per month or pro-rata.
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