



Republic of the Philippines  
**DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS**

**PRIMARY BIDS AND AWARDS COMMITTEE**

Project: **PROCUREMENT OF NEW ROLLING STOCK LIGHT RAIL VEHICLES (LRV) (4TH GENERATION) FOR LIGHT RAIL TRANSIT (LRT) LINE 1**

**General Bid Bulletin No.: 02-2015**

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**TO ALL PROSPECTIVE BIDDERS:**

Please find attached as Annex "A" revisions/amendments to the Bidding Documents for the above-mentioned Project.

For your guidance and information.

Issued this 28<sup>th</sup> day of October 2015.

**RENE K. LIMCAOCO**  
Vice-Chairman, Primary Bids and Awards Committee  
and Undersecretary for Planning

<b>Department of Transportation and Communications</b> <b>Capacity Enhancement of Mass Transit Systems in Metro Manila:</b> <b>Procurement of New Rolling Stock Light Rail Vehicles (4<sup>th</sup> Generation) for LRT Line 1 – South (Cavite) Extension Project</b> <b>Revisions/Amendments/Clarifications to Bidding Documents</b>																																																	
ITEM NO.	REFERENCE	REVISION/AMENDMENT/CLARIFICATION																																															
<b>Part 1-Section IV-Bidding Forms</b>																																																	
1	Technical Bid	Pursuant to the provisions of Instructions to Bidders (ITB) 11.2(f) and 14.1, the Country of Origin Declaration Form shall be included in the Technical Bid submission. The form is as follows:  Country of Origin Declaration Form <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Item No.</th> <th style="width: 40%;">Description</th> <th style="width: 15%;">Code</th> <th style="width: 35%;">Country</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>			Item No.	Description	Code	Country																																									
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2	Schedule No. 3: Fabrication and Transportation (page BF-13)	Pursuant to the provisions of ITB 11.3 and 14.1, the Country of Origin Declaration Form shall be included in the Price Bid submission. Thus, this should be read as follows:  <div style="text-align: center;">“xxx</div> Country of Origin Declaration Form <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Item No.</th> <th style="width: 40%;">Description</th> <th style="width: 15%;">Code</th> <th style="width: 15%;">Country</th> <th style="width: 20%;"><u>Price</u>”</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>			Item No.	Description	Code	Country	<u>Price</u> ”																																								
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3	Method Statement (page BF-26)	<p>This should be read as follows:</p> <p style="text-align: center;"><b>“Method Statement</b></p> <p>The Bidder shall provide, in addition to all other information required by these Schedules, such further details, together with illustrations as are necessary to fully describe the offer and the Bidder capability and understanding, including but not limited to, the following:</p> <p>Demonstrate the Bidder’s understanding of the <del>s</del>Scope of <del>w</del>Work including a statement on how the required Works fit into the portfolio of services provided by its organization.</p> <ol style="list-style-type: none"> <li>1. An outline of the methodology and approach that will be employed in the provision of the Works and an organizational structure showing all resources for the proposed Contract.</li> <li>2. For the purposes of the evaluation of Bid Submissions, the Bidder must provide a detailed <del>m</del>Method <del>s</del>Statement for performance of the Works. The <del>m</del>Method <del>s</del>Statement shall specifically address each separate activity and technical requirement of the whole Project and the Bid Documents. The separate activities to be addressed shall, as applicable, include, but not be limited to: <ul style="list-style-type: none"> <li>• <del>Outline of Project Management Plan;</del></li> <li>• <del>Outline of Project Implementation Plan;</del></li> <li>• <del>Outline of Quality Assurance Plan;</del></li> <li>• <u>Warranty (GS 1.6);</u></li> <li>• <u>General Specification (GS 1.7, GS 14)</u> <ul style="list-style-type: none"> <li>○ <u>Outline Quality Management Plan based on JIS Q 9001 (ISO 9001)</u></li> <li>○ <u>Outline Site Safety Management Plan;</u></li> <li>○ <u>Outline System Assurance Plan based on EN 50126;</u></li> <li>○ <u>Outline Environmental Management Plan and/or Environmental protection controls; including Noise Measurement of the cars;</u></li> </ul> </li> </ul> </li> </ol>

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		<ul style="list-style-type: none"> <li>● <del>Public and Property protection controls;–</del></li> <li>● <del>Community Liaison capabilities;–</del></li> <li>● <del>Site establishment;–</del></li> <li>● <del>Site clean up and demobilization of establishment;–</del></li> <li>● <del>Management of traffic and Site access;–</del></li> <li>● <del>Coordination procedures for Third Party Access to/through Site;–</del></li> <li>● <del>Proposed storage and stockpiling locations and capacities;–</del></li> <li>● <del>Preparation and submission of Handover Documentation;–</del></li> <li>● <del>As built drawings;–</del></li> <li>● <del>Others factors as necessary (specify)-</del> <ul style="list-style-type: none"> <li>○ <u>Outline Project Management Plan; including details on Organization Chart (Project Initialization);</u></li> <li>○ <u>Outline Interface Management Plan;</u></li> <li>○ <u>Outline Inspection, Test and Commissioning Plan;</u></li> <li>○ <u>Outline Project Implementation Program (Including Work Program, Milestones, Schedule, Controls, etc.);</u></li> <li>○ <u>Outline Design Submission Program, including design review and design verification;</u></li> <li>○ <u>Outline Training Objectives, Methods, Locations and Training Equipment;</u></li> </ul> </li> <li>● <u>Technical Specification - General Description of proposed train including:</u> <ul style="list-style-type: none"> <li>○ <u>Train configuration with drawing</u></li> <li>○ <u>Compliance with Vehicle Physical Characteristics Reference Description</u></li> <li>○ <u>Compliance with Track Data</u></li> <li>○ <u>Compliance with Weight limits, Capacity</u></li> <li>○ <u>Compliance with Train Performance</u></li> <li>○ <u>Outline of Car Body, Bogie and Subsystems</u></li> <li>○ <u>Material and Workmanship;</u></li> </ul> </li> <li>● <u>Spare Parts and Special Tools (TS 23); and</u></li> <li>● <u>Shipping and Delivery (TS 25).”</u></li> </ul>

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<b>Part 2-Section VI-2-1-General Specifications</b>		
4	4.7.1 LRTA’s Rule Book (page GS-21)	<p>This should be read as follows:</p> <p>“4.7.1 <del>LRTA’s-Rule Book and Safety Procedures</del>  When working on or adjacent to the LRT Line the Contractor, unless otherwise agreed with the Employer, shall work in accordance with the rules and regulations specified in the LRTA’s Rule Book and <u>the Concessionaire’s Safety Procedures</u> and in any subsequent revisions thereof. <u>In case of conflict, the Concessionaire’s Safety Procedures shall prevail.</u></p> <p>Each member of the Contractor's Site staff shall know, understand and comply with the appropriate sections of the LRTA Rule Book <u>and the Concessionaire’s Safety Procedures</u> at all times.</p> <p style="text-align: center;">xxx</p> <p>Within two weeks from Commencement Date, the Contractor will be provided with a copy of the LRTA Rule Book and <u>the Concessionaire’s Safety Procedures</u> relevant at that time.”</p>
5	4.7.8 Safety of Equipment and Plant of LRT (page GS -24)	<p>This should be read as follows:</p> <p>“4.7.8 <b>Safety of Equipment and Plant of LRT</b>  a. LRT Line Equipment  All work shall be carried out in such a manner so as to ensure the safety of the LRT Line, to prevent damage to LRTA’s / <u>Concessionaire’s</u> equipment and to require the absolute minimum of alteration to such equipment.</p> <p style="text-align: center;">xxx”</p>
6	16.2 Office and Office Equipment (page GS-49)	<p>This should be read as follows:</p> <p>“<b>16.2 Office and Office Equipment</b>  Pursuant to <b>Sub-Clause 6.6</b> of GCC the Contractor shall provide an office space for the Employer/Engineer <u>that shall be in agreement and coordination with the Concessionaire</u> in case the location is within the area</p>

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		<p><u>under the Concessionaire’s responsibility. The contractor shall and purchase, provide and maintain new office equipment, supplies and consumables and all Personal Protection Equipment (PPE) for the Employer’s / Engineer’s office as indicated in the following Table 16.2:</u> xxx”</p>																												
7	Appendix B (page GS-65)	<p>This should be read as follows:</p> <p>“The purpose of this Appendix is to identify the split of the supply and fixing of the major items between the Rolling Stock Contractor and other Contractors.</p> <p><b>1 Definitions</b></p> <p>RST      <del>Responsibility of</del> Rolling Stock Contractor            SIG      <del>Responsibility of</del> Signaling System Contractor            TC        <del>Responsibility of</del> Telecommunication System Contractor / <u>LRMC</u>            DE        <del>Responsibility of</del> Depot Maintenance Equipment Contractor            *         <u>Note: Support by Telecommunication Systems Contractor / LRMC</u>            **        <u>Note: The Mobile Radios are subject of an NTC Import License from the Philippines</u></p> <p style="text-align: center;">xxx</p> <p style="text-align: center;"><b>Table AB2 Split in Rolling Stock and Telecommunication System</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>ITEM</th> <th>DESCRIPTION</th> <th>SUPPLY</th> <th>FIXING</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Train Radio **</td> <td style="text-align: center;"><del>TC</del> <u>RST</u></td> <td style="text-align: center;">RST</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Antenna</td> <td style="text-align: center;"><del>TC</del> <u>RST</u></td> <td style="text-align: center;">RST</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Antenna cable</td> <td style="text-align: center;"><del>TC</del> <u>RST</u></td> <td style="text-align: center;">RST</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Power supply cable for train radio</td> <td style="text-align: center;">RST</td> <td style="text-align: center;">RST</td> </tr> <tr> <td style="text-align: center;">5</td> <td>Advertising Equipment</td> <td style="text-align: center;">TC</td> <td style="text-align: center;">TC</td> </tr> <tr> <td style="text-align: center;">6</td> <td>Power sSupply eCable for Advertising Equipment</td> <td style="text-align: center;">RST</td> <td style="text-align: center;">RST</td> </tr> </tbody> </table>	ITEM	DESCRIPTION	SUPPLY	FIXING	1	Train Radio **	<del>TC</del> <u>RST</u>	RST	2	Antenna	<del>TC</del> <u>RST</u>	RST	3	Antenna cable	<del>TC</del> <u>RST</u>	RST	4	Power supply cable for train radio	RST	RST	5	Advertising Equipment	TC	TC	6	Power sSupply eCable for Advertising Equipment	RST	RST
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		7	<u>Connectors for radio equipment</u>	<u>RST</u>	<u>RST</u>
		<del>7</del> 8	<u>Connectors for <del>Telecommunication</del> Equipment</u>	<del>TC</del> <u>RST</u>	<u>RST</u>
		<u>9</u>	<u>Connectors for Advertising Equipment</u>	<u>TC</u>	<u>TC</u>
		<u>10</u>	<u>Engineering and Data to configure the mobile radio</u>	<u>LRMC</u>	<u>RST*</u>
		<u>11</u>	<u>Factory Test, exclude Radio &amp; Advertising Equipment</u>	<u>RST</u>	<u>RST*</u>
		<u>12</u>	<u>Integration Test exclude Advertising Material</u>	<u>RST</u>	<u>RST*</u>
		xxx”			
8	Appendix C, General (page GS-67)	<p>The following clause is added:</p> <p>“1.4 <u>The Contractor is required to procure, install and support the testing of the On Board Tetra Mobile Radio. The Contractor shall coordinate and interface with LRMC and its Telecommunication supplier to fully complete the works. The data to configure the Mobile Radios shall be provided by the LRMC.</u></p> <p><u>LRMC shall coordinate and cooperate with the Contractor, Engineer and Employer as reasonably required to enable completion of the works in accordance with the contract.</u>”</p>			
9	Appendix C, clause 3.2 (page GS-68)	<p>This should be read as follows:</p> <p>“3.2 The cost of permanent power, which is consumed in testing and commissioning by the <u>e</u>Contractor as part of the works, shall not be the responsibility of the <u>e</u>Contractor.”</p>			
10	Appendix C, clause 3.3 (page GS-68)	<p>This should be read as follows:</p> <p>“3.3 If suitable facilities are available and providing there will be no impact on the operation of the Manila LRT Line 1 the LRMC will provide electricity and water supplies and drainage for the Manila LRT Line 1 at no cost to the <u>e</u>Contractor. In this instance the <u>e</u>Contractor shall be responsible for the provision, installation and connections of all materials to such utilities. The <u>e</u>Contractor shall also be responsible for the provision of measuring meters if requested by the LRMC. If there will be any impact on the operation of the Manila LRT Line 1 or if there is no suitable connection points available for LRMC to allow supplies to be provided the <u>e</u>Contractor shall be fully responsible for providing all such services from other sources at the <u>e</u>Contractor’s</p>			

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		own cost. If any installation works are necessary and if the installation works involves any diversions or relocations of any existing services the eContractor shall be responsible for all such works.”
11	Appendix C, clause 3.4 (page GS-68)	This should be read as follows:  “3.4 With reference to the provision of the building and storage area pursuant to clause 3.1(b) above, the eContractor shall be responsible for all building facilities and site improvements, as he may deem necessary. The eContractor shall be responsible for all costs for the use of utilities, ongoing maintenance, and security.”
12	Appendix C, clause 3.6 (page GS-69)	This should be read as follows:  “3.6 Without prejudice to the eContractor’s duties and obligations under the contract, the eContractor shall: xxx”
13	Appendix C, clause 3.7 (page GS-69)	This should be read as follows:  “3.7 The eContractor shall be responsible for and shall indemnify the eEmployer and LRMC for: xxx”
14	Appendix C, clause 3.8 (page GS-69)	This should be read as follows:  “3.8 The eEmployer shall cause LRMC to provide a pool of available eOperators to the eContractor for operating any facilities, tools and equipment under the possession and control of LRMC that by collective or other agreement must be operated only by the LRMC-trained and qualified LRMC employees, provided however, and the eContractor agrees to choose from that pool, and that such eOperators shall work under the direction, supervision and control of the eContractor with respect to the works while operating the special tools and special equipment of LRMC, including during transit to and from the area in which the eContractor requires such tools and equipment to be used, and the eContractor shall be as responsible for those eOperators while they are engaged in performing work for the eContractor in the same manner and to the same extent as if the eOperators were hired directly by the eContractor. The eContractor shall be solely responsible for the manner, method, quality, accuracy, sufficiency and timeliness of the work performed by the eOperators, as well as for any damage caused by the eOperators as a result of their following the directions or instructions of the eContractor;”



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15	Appendix C, clause 3.9 (page GS-69)	This should be read as follows:  “3.9 The e <u>C</u> ontractor shall not be responsible for the costs of e <u>E</u> mployer or LRMC personnel provided to the e <u>C</u> ontractor pursuant to clause 3.8.”												
16	Appendix C, clause 3.10 (page GS-69)	This should be read as follows:  “3.10 The e <u>C</u> ontractor shall not be responsible for the cost of routine maintenance of the equipment provided pursuant to this subsection of the technical specification <sup>2</sup> .”												
17	Appendix C, clause 3.11 (page GS-69)	This should be read as follows:  “3.11 The e <u>C</u> ontractor shall not be responsible for damage caused to the facilities and services to the extent that such damage is caused solely by:  xxx”												
18	Appendix C, clause 6.3 (page GS-71 to 72)	This should be read as follows:  “6.3 The e <u>E</u> ngineer shall be responsible for supervision and acceptance of installations and tests by the e <u>C</u> ontractor in accordance with the e <u>C</u> ontractors <del>†</del> Testing and e <u>C</u> ommissioning <del>p</del> Plan while LRMC and the Independent Consultant shall be responsible for supervision and acceptance of installations and tests by the Signaling <del>s</del> Supplier in accordance with the Signaling <del>s</del> Suppliers <del>†</del> Testing and e <u>C</u> ommissioning <del>p</del> Plan. The e <u>C</u> ontractor, Signaling <del>s</del> Supplier, e <u>E</u> ngineer, e <u>E</u> mployer and LRMC shall coordinate and cooperate to achieve taking over of the <del>w</del> Works generally as set out in the following table <del>;</del> and the attached figure.  xxx												
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		<p><u>9a. Installation of Signaling Equipment (T3~30)</u></p>	<p>Signaling Supplier with cooperation and assistance from Contractor.</p>	<p>LRMC for Signaling Equipment; Engineer for any Contractor related equipment</p>	<p>IC for Signaling Equipment; Engineer for any Contractor related equipment</p>	<p>Employer, LRMC, Independent Consultant.</p>
		<p><u>9b. Configuration of the Mobile Radio</u></p>	<p><u>Contractor with cooperation and assistance from LRMC</u></p>	<p><u>Engineer</u></p>	<p><u>Engineer</u></p>	<p><u>Employer, LRMC, Independent Consultant.</u></p>
		<p>10. Integration - <del>Testing</del></p>	<p>Contractor with cooperation and assistance from Signaling Supplier, <u>Mobile Radio Supplier and LRMC</u></p>	<p>Engineer with cooperation and assistance from LRMC with respect to <u>COM Systems Supplier and Signaling supplier responsibilities.</u></p>	<p>Engineer for Contractor supplied equipment. IC for Signaling Equipment.</p>	<p>Employer, LRMC, Independent Consultant.</p>
xxx”						
<p align="center"><b>Part 2-Section VI-2-2-Technical Specifications</b></p>						
19	<p>Clause 15.9 Train Radio System (page TS-64 to 65)</p>	<p>This should be read as follows:</p> <p align="center">“xxx</p> <p>The design shall enable the OCC to communicate with train passengers via the Train Radio System by broadcasting audio announcements within carriages via the train PA system.</p> <p>The contractor shall supply the entire on-board Train <del>Radio</del> Equipment and associated facilities required for installation on each train.</p>				

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		<p style="text-align: center;">xxx</p> <p>The Contractor shall determine, in conjunction with the <del>Radio</del> <u>Equipment</u> manufacturer, all of the necessary interfacing requirements to the various sub-systems.</p> <p><u>The Contractor shall liaise with LRMC to receive all of the necessary engineering information to integrate the mobile radio into the existing TETRA Radio System.</u></p> <p><del>To protect against on board train radio system failure each cab shall also be equipped with a robustly constructed TETRA hand portable radio which shall allow the driver to communicate to the OCC via the line side Train Radio Network.</del></p> <p><del>Within each train cab a hand portable radio battery charger with integral cradle shall be fitted which shall securely house the hand portable radio when not in use.</del></p> <p><del>To protect against on board train radio system failure an alternative design may be proposed by the Contractor such as the automatic switchover to the TETRA mobile radio unit within the non active cab.”</del></p>

<b>Department of Transportation and Communications</b> <b>Capacity Enhancement of Mass Transit Systems in Metro Manila:</b> <b>Procurement of New Rolling Stock Light Rail Vehicles (4<sup>th</sup> Generation) for LRT Line 1 – South (Cavite) Extension Project</b> <b>Revisions/Amendments/Clarifications to Bidding Documents</b>		
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20	Clause 25.1 Shipping (pages TS 101-102)	<p>This should be read as follows:</p> <p>“25.1 Shipping</p> <p style="text-align: center;">xxx</p> <p>The Contractor shall prepare a shipping manual to cover the shipping of all items covered under the contract, including cars and spare parts. The shipping manual shall detail the method, packaging and other details required to ensure the safe shipment to the delivery point. The shipping manual shall be submitted for review by the Engineer prior to the shipment of any cars.</p> <p style="text-align: center;">xxx</p> <p>Unless otherwise reviewed by the Engineer, no loose or boxed equipment shall be permitted to be shipped in the cars.</p> <p>The Contractor shall <u>insure the equipment to be supplied under the contract in the Japanese currency against loss or damage during handling and transportation. be responsible for the insurance for shipping.</u></p> <p><u>The Contractor shall insure each partial shipment for “All Risks including War and S.R.C.C. (Strikes, Riots, Civil Commotion Risks) and for 110% of the invoice value, including also all cost incurred for the shipping and delivery including also the unloading at the destination. The insurance policy shall be endorsed and expressly state that claims are payable in Japan in the same currency as the contract.</u></p> <p><u>The Insurance shall cover the full period of ocean freight and inland transportation of the equipment.”</u></p>
21	Clause 25.2 Delivery (page TS-102)	<p>This should be read as follows:</p> <p>“25.2 Delivery</p> <p style="text-align: center;">xxx</p>

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ITEM NO.	REFERENCE	REVISION/AMENDMENT/CLARIFICATION
		<p>Cars, parts or items damaged in transit shall not be considered as delivered until all repairs or replacements have been completed and all necessary spare parts or items have been delivered to the Site.</p> <p><u>Unless otherwise instructed by the Engineer, the destination to deliver and unload the cars is the “Baclaran Depot, Metro Manila, Philippines”.</u></p> <p>All documents, manuals, drawings and other deliverables shall be delivered to LRTA Compound, Pasay City, Philippines.</p> <p style="text-align: right;">xxx”</p>