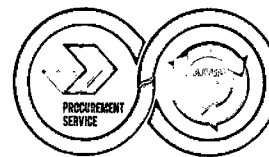




Republic of the Philippines  
Department of Budget and Management  
**PROCUREMENT SERVICE**  
**BIDS AND AWARDS COMMITTEE**



**General Bid Bulletin No. 4**  
October 25, 2017

**Invitation for Bid No. 17-065-3**

***Expansion of the Existing Depot at Baclaran and  
Construction of a New Satellite Depot at Zapote for  
Light Rail Transit (LRT) Line 1-South (Cavite) Extension Project***

Issued to revise, amend and/or clarify certain provisions in the Bidding Documents issued for this project.

**A. CLARIFICATION**

REFERENCE	BASES FOR CLARIFICATION/AMENDMENT/ INCLUSION
<b><u>CLARIFICATIONS IN THE BIDDING DOCUMENTS FROM PROSPECTIVE BIDDERS</u></b>	Please refer to the attached <b>ANNEX "A-1"</b> of this General Bid Bulletin for details.

All other portions of the Bidding Documents affected by these revisions, amendments and/or clarifications shall be made to conform to the same.

Revisions/amendments/clarifications made herein shall be considered an integral part of the Bidding Documents.

For the Bids and Awards Committee III

**ENGR. EDWARD R. SADDI**  
Chairperson

**A. CLARIFICATION**

No.	Section No.	Page No.	Clause No./ Title	Clarification Request	Response								
<b>PART 2</b>													
1.	VI-2		Employers Requirements Technical Requirements/ General Specifications 9.13 Works Area	<p>We would like to request drawing(s) showing a clear extent/limit of Works Area at Baclaran Depot.</p> <p>Under the Contract, there is an existing building that requires to do improvement work, however, this is not included in the Works Area.</p> <p>Therefore, please specify the limits of the Contractor's Works Area for the Expansion Works at Baclaran Depot. Contractor's Works Area are not defined for the Admin Building renovation works.</p>	Please refer to the attached drawing "Baclaran Depot Administrative Building Demarcation Line"								
2.	VI-2		<p>Site Facilities for Employer and Engineer</p> <p>Technical Requirements General Specification</p>	<p>Table 16.1 Service Vehicle</p> <table border="1" data-bbox="893 934 1687 1044"> <thead> <tr> <th>Item</th> <th>User</th> <th>Type of Vehicle</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Employer</td> <td>SUV (eq. Innova)</td> <td>4 x 48MM</td> </tr> </tbody> </table> <p>Refer to above table, please clarify: 1) What is the meaning of 48MM?</p>	Item	User	Type of Vehicle	Quantity	1	Employer	SUV (eq. Innova)	4 x 48MM	1) 48MM means contract period (24months) plus Defects Notification Period (24months).
Item	User	Type of Vehicle	Quantity										
1	Employer	SUV (eq. Innova)	4 x 48MM										

				<p>2) It is understood that the Contractor will provide four (4) units of Service Vehicles (total quantity for Baclaran and Zapote already). Please confirm.</p> <p>3) The operation and maintenance of the service vehicles shall be until completion of the works, twenty four (24) months. Please confirm.</p>	<p>2) Yes your understanding is correct.</p> <p>3) No, the operation and maintenance period of the service vehicle is 48months which include construction period and Defects Notification Period.</p>															
3.	VI-2		<p>Site Facilities for Employer and Engineer</p> <p>Technical Requirements General Specification</p>	<p>Table 16.2 Office Equipment</p> <table border="1"> <thead> <tr> <th rowspan="2">No.</th> <th rowspan="2">Item</th> <th rowspan="2">User</th> <th colspan="2">Quantity</th> </tr> <tr> <th>Baclaran Depot</th> <th>Zapote Depot</th> </tr> </thead> <tbody> <tr> <td rowspan="2">4</td> <td rowspan="2">Office Facilities</td> <td>Employer</td> <td>Desktop Computer 2units, Color Printer (for A3) 1 unit, Working Desk and other facilities for 4 persons, Shelf 1 unit</td> <td>Desktop Computer 2units, Color Printer (for A3) 1 unit, Working Desk and other facilities for 4 persons, Shelf 1 unit</td> </tr> <tr> <td>Engineer</td> <td>Desktop Computer 2units, Color Printer (for A3) 1 unit,</td> <td>Desktop Computer 2units, Color Printer (for A3) 1 unit,</td> </tr> </tbody> </table>	No.	Item	User	Quantity		Baclaran Depot	Zapote Depot	4	Office Facilities	Employer	Desktop Computer 2units, Color Printer (for A3) 1 unit, Working Desk and other facilities for 4 persons, Shelf 1 unit	Desktop Computer 2units, Color Printer (for A3) 1 unit, Working Desk and other facilities for 4 persons, Shelf 1 unit	Engineer	Desktop Computer 2units, Color Printer (for A3) 1 unit,	Desktop Computer 2units, Color Printer (for A3) 1 unit,	
No.	Item	User	Quantity																	
			Baclaran Depot	Zapote Depot																
4	Office Facilities	Employer	Desktop Computer 2units, Color Printer (for A3) 1 unit, Working Desk and other facilities for 4 persons, Shelf 1 unit	Desktop Computer 2units, Color Printer (for A3) 1 unit, Working Desk and other facilities for 4 persons, Shelf 1 unit																
		Engineer	Desktop Computer 2units, Color Printer (for A3) 1 unit,	Desktop Computer 2units, Color Printer (for A3) 1 unit,																

						Working Desk and other facilities for 4 persons, Shelf 1 unit	Working Desk and other facilities for 4 persons, Shelf 1 unit	
				Refer to above table, please specify particular "other facilities" to be provided and quantity.			Other facilities means White Board, Mobile Drawer for each desk, A1 size Drawing Cabinet etc.	
4.	VI-2		Temporary Works  Technical Requirements Technical Specification	Section 5.10 Signboard  Please provide details and standards for the Signboard (dimensions, material, etc.)			Please follow DPWH Standard on Project Billboard.	
5.	VI-2		Temporary Works  Technical Requirements Technical Specification	Section 5.4 a) Offices for the Employer and the Engineer  "The Contractor shall provide and maintain office space big enough for 4 tables of the Employers and the same space for 4 tables for Engineers for the use at field offices. The office shall include A/C, lighting and telephones <b>at the Contractors Site Office</b> located at Baclaran Expansion Depot and Zapote Satellite Depot."  Contractor has the option to provide a separate office for the Employer and Engineer's staff. Please confirm.			Yes, it is acceptable as far as the place is within or adjacent to the site subject to the Engineer's Evaluation and Approval.	

6.	VI-2		Submission of Information – General  Technical Requirements General Specification	Section 9.5.4 Detailed Design  Please confirm that a Third Party Design Consultant will not be required for the review and approval of the Contractor's design works.	Third Party design Consultant is not required. Contractor's detail design shall be reviewed and approved by CMX, DOTr/LRTA, Concessionaire and IC (Independent Consultant).
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**PART 1 – Bidding Procedures**

7.	III-1		Evaluation and Qualification Criteria, 1.1.1 (Personnel)  General Specification, 1.7.6 (Project Management Plan)	<p>EQC/1.1.1: <i>"The Bidder must demonstrate that it has the personnel for the key positions that meet the following requirements: [includes a list of 9 specific positions, from Project Manager to Project Schedule Expert, and corresponding experience] ...</i></p> <p><i>The Bidder shall provide details of the proposed personnel and their experience records in Forms PER-1 and PER-2 in Section IV, Bidding Forms."</i></p> <p>GS/1.7.6.: <i>"In accordance with the ITB, the Bidder shall submit an outline Project Management Plan as part of the Bid which shall provide the following information:</i></p> <p><i>a) A diagram showing the organizational structure for the management of the Contract, with locations, <u>names</u> and position titles of staff and their line and staff relationship. The diagram shall include associate organizations and subcontractors and show clearly the individuals and lines of responsibility linking the various groups. It shall also identify the persons designated as contacts with the Employer's Representative.</i></p> <p><i>b) The <u>names</u>, qualifications, positions and current resumes of key executive, supervisory and engineering staff to be employed</i></p>	
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			<p><i>full-time for the works, separately for principals and subcontractors. ..."</i></p> <p>The ITB requires submission of CV's for 9 specific staff on the forms PER-1 and PER-2.</p> <p>However, GS/1.7.6 states that the Bidder shall submit as part of his Bid a Project Management Plan, which shall include an organization plan complete with names, qualifications and resumes of key executive, supervisory and engineering staff.</p> <p>Please confirm if the following will be acceptable:</p> <ol style="list-style-type: none"> <li>1) The names, qualifications and resumes of 9 key staff as listed in EQC/1.1.1 will be provided in forms PER-1 and PER-2.</li> <li>2) The description of the organization in the PM Plan in the Bid will not include the names of specific staff, only the positions and required qualifications as applicable?</li> </ol>	<p>1. Yes, the Bidder's proposal is acceptable.</p> <p>2. Yes, the Bidder's proposal is acceptable for the purpose of the Bid submission. GS/1.7.6 shall be followed from Contract Award.</p>
8.	IV  V	<p>Form COD-1(a)</p> <p>Form DEC</p> <p>Eligible Source Countries of Japanese ODA Loans</p>	<p>Form COD-1(a): <i>"The Bidder is to complete the Form COD-1 (a) Summary for the Total Cost of Goods Procured from Japan below, including the calculation of the percentage which is to be not less than twenty six percent (26%) of the total amount of contract, including Provisional Sums, in accordance with the requirement of Eligible Source Countries of Japanese ODA Loans."</i></p> <p>Form COD-1(a) contains two calculations of "total percentage Japanese content" :</p>	

		(Percentage Japanese Content)	<p>(i) <math>(C) = (A) / (B)</math>, where  (A) = Total Cost of Goods Procured from Japan, and  (B) = Base for Calculation = Total Bills + Provisional Sums</p> <p>(ii) Total % of Japanese Contents = <math>(C) + (E)</math>, where  (C) is <math>(A) / (B)</math> as calculated above, and  (E) = 7.41% of (B), General Administration Expenses</p> <p>Form DEC and Section V: <i>"The total costs of goods and services procured from Japan shall not be less than twenty six percent (26%) of the total amount of contract."</i></p> <p>1) Please confirm that the Total % of Japanese Contents, (C) + (E) in Form COD-1(a), shall be at least 26% of the total contract value including specified provisional sums?</p> <p>Note: This means that the parameter (C) in Form COD-1(a) shall be at least <math>26 - 7.41 = 18.59\%</math> of the total contract value including specified provisional sums.</p> <p>2) It is allowed for a Bidder to form a joint venture with a Local company as long as the Japanese Company takes the major work share.</p> <p>Please clarify, assuming that the Bidder forms a joint venture with a local company, whether Bidder may still apply 7.41% as General Administration Expenses. If not, please clarify how to calculate applicable % of General Administration Expenses.</p>	<p>1) Yes, your understanding is correct.</p> <p>In the parameter <math>(C) = (A)/(B)</math>, value (B) includes provisional sums.</p> <p>2) No, in case of Joint Venture, General Administration Expenses can apply only Japan Company's JV ratio multiplied by 7.41%.</p>
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9.	III-2	<p>Evaluation Criteria 2.5</p> <p>(Definition of "Major Maintenance Equipment")</p>	<p>EQC 2.5: "Subcontractors/manufacturers for the following major items of supply or services must meet the following minimum criteria, herein listed for that item: ...</p> <p>4. Rolling Stock Maintenance Equipment 5. Non-Rolling Stock Maintenance Equipment ...</p> <p>... In the case of a Bidder who offers to supply and install major items of supply under the Contract that the Bidder did not manufacture or otherwise produce, the Bidder shall provide the manufacturer's authorization, using Form MAN provided in Section IV, Bidding Forms, showing that the Bidder has been duly authorized by the manufacturer or producer of the related plant and equipment or component to supply and install that item in the Employer's country."</p> <p>Since various kinds of "Rolling Stock Maintenance Equipment" and "Non-Rolling Stock Maintenance Equipment" are required for this project, we understand the Bidder shall submit Form MAN only for <u>major</u> Rolling Stock Maintenance Equipment and <u>major</u> Non-Rolling Stock Maintenance Equipment.</p> <p>We propose for your consideration that the following items are considered major items of Maintenance Equipment (clause references from section E Depot Maintenance Equipment in the Technical Specification). Please confirm if our proposal is acceptable ?</p> <p><u>Major Rolling Stock Maintenance Equipment</u></p> <ul style="list-style-type: none"> <li>• Automatic Train Wash Plant (1.4)</li> <li>• Overhead Crane 10 t/3t (1.5.1)</li> <li>• Lifting Jack (1.5.2)</li> <li>• Bogie Turn Table (1.5.3)</li> </ul>	<p><b>1) Major Rolling Stock Maintenance Equipment</b> Yes, the Bidder's proposal is acceptable.</p>
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			<ul style="list-style-type: none"> <li>• Wheel Lathe (1.5.4)</li> <li>• Bogie Washing Booth (1.5.6)</li> <li>• Car Mover (Shunting Locomotive) (1.5.16)</li> <li>• Dummy Bogie (1.5.22)</li> <li>• Overhead Crane (1.5.27)</li> </ul> <p><u>Major Non-Rolling Stock Maintenance Equipment</u></p> <ul style="list-style-type: none"> <li>• Track Maintenance Vehicle (2.1.1)</li> <li>• Flat Open Wagon (2.1.2)</li> <li>• Side Covered Wagon (2.1.3)</li> <li>• Rail Profile Grinding Car (2.1.4)</li> </ul>	<p><b>2) Major Non-Rolling Stock Maintenance Equipment</b></p> <p>Yes, and add OCS Maintenance Vehicle (2.2.2.2 c)) to the Bidder's proposal.</p>
10.	IV	<p>Bidding Forms "Form MAN: Manufacturer's Authorization"</p> <p>(Date in Form MAN)</p>	<p>Form MAN: "<i>Date: [insert date (as day, month and year) of Bid Submission]</i>"</p> <p>Considering the possibility that the bid submission date may be revised, we suggest that any date earlier than Bid Submission date shall be acceptable.</p>	<p>The Bid submission date of 27 November 2017 as stated in the Bid Data Sheet ITB 24.1 shall be used. However, if there will be any postponement to this date, the Bidder's proposal is acceptable.</p>
11.	IV	<p>Bidding Forms "Form MAN: Manufacturer's Authorization"</p> <p>(Manufacturer's Warranty)</p>	<p>2nd paragraph: "<i>We hereby extend our full guarantee and warranty in accordance with Clause 11, Defects Liability, of the General Conditions of Contract, with respect to the goods offered by the above firm.</i>"</p> <p>Since the scope and responsibility of each manufacturer is limited and not the same as the Bidder/Contractor's</p>	

			<p>responsibility, most manufacturers do not agree with this paragraph referring to the General Conditions of Contract, and it may limit the Bidder's options in finding competitive manufacturers.</p> <p>Therefore, although Bidder will try his best effort to complete Form MAN, we would like you to allow the following as an alternative:</p> <p>1) To delete this paragraph, or</p> <p>2) Allowing Form MAN to be signed by the Bidder or his Sub-Contractor who will purchase these equipment from each manufacturer on behalf of Manufacturer.</p>	<p>1) No, the paragraph referring to "Clause 11, Defects Liability," shall not be deleted.</p> <p>2) The Bidder shall use its best endeavours to have the Form MAN completed and signed by the manufacturers. However, in cases where this is not possible to achieve, the Bidder, or its Subcontractor, shall complete and sign the Form MAN on behalf of the manufacturer and to be included in its Bid submission.</p>
12.	III-2	Evaluation Criteria 2.4.2 (b)  Bidding Forms	EQC 2.4.2(b): "Key Activity No. 4. - Supply of Depot Maintenance Equipment for at least Five Million US Dollars (USD 5,000,000.00)."	

	IV	<p>"Form EXP - 2(b): Experience in Key Activities"</p> <p>(Measurement of "Key activity")</p>	<p>Information to be provided in Form EXP-2(b) includes: "Total Quantity of Activity under the Contract", and "Quantity (as applicable) performed under the Contract per year or part of the year"</p> <p>In usual case railway depot consist of many different parts and equipments. It is therefore not clear to us how to assign "quantities" for the "key activities".</p> <p>May we suggest that "quantity" in Form EXP-2(b) can be expressed as monetary value ("amount")? Please confirm that our suggestion is acceptable.</p>	<p>Yes, the Bidder's suggestion is acceptable.</p>
13.	IV	<p>Bidding Forms "Schedule of Payment"</p>	<p>Form Schedule of Payment: "<i>Bidders shall prepare their estimate of the Payment Schedule in accordance with the format shown on the "Table: Payment Schedule – Baclaran and Zapote Depots".</i>"</p> <p>The Table "Payment Schedule – Baclaran and Zapote Depots" in this form contains Payment Milestones and corresponding percentages of payment which may not be consistent with the actual work progress.</p> <p>For instance, Maintenance Equipment will consist of a number of equipments which may have different delivery dates.</p> <p>In this sense, please allow the bidder to propose an alternative schedule of payment, to serve as basis for discussions during contract negotiations.</p>	<p>Yes, the Bidder can propose an alternative Schedule of Payment, which would be discussed during Contract negotiations. However, such alternative Schedule of Payment would be in addition to the Schedule of Payment in the Bidding Documents Section IV – Bidding Forms, which shall be completed by the Bidder.</p> <p>The Employer shall not be obligated to accept an alternative Schedule of Payment.</p>
<b>PART 2 – Employer's Requirements</b>				

14.	VI-2-1		General Specification, 5.2.1 (Materials)	<p><i>"All apparatus, connections and cabling shall be designed and arranged to minimize the risk of fire and any damage, which might be caused in the event of fire. Wherever practicable, materials shall be used which do not support combustion and which do not give off smoke, corrosive or toxic fumes, when heated in accordance with the requirements of DIN 4102 (class A1, A2)."</i></p> <p>Please confirm if the following is acceptable:</p> <ol style="list-style-type: none"> <li>1) We will find and propose the equivalent standard to DIN 4101, and provide the cables conforming to our proposed standard.</li> <li>2) We will apply this clause to the cables to connect between each enclosed components. Regarding the cables and insulated wires inside the enclosed component itself, we will apply respective manufacturers' standard.</li> </ol>	<ol style="list-style-type: none"> <li>1) Yes, internationally recognized standard is acceptable, subject to evaluation of the Engineer.</li> <li>2) No, manufacturer's standard is not acceptable. Internationally recognized standards shall be applied.</li> </ol>
15.	VI-2-1		General Specification, 6.7.4 (EMI/RFI)	<p><i>"The Contractor is required to submit for review and approval the EMI/RFI study report which shall be prepared in accordance with EN 50121-2."</i></p> <p>We understand the EN 50121-2 is the standard applicable to "Railway applications. Electromagnetic compatibility. Emission of the whole railway system to the outside world", for Rolling Stock, Signaling system, telecommunication system, and so on.</p> <p>We will propose the standard for general industrial equipment in our technical proposal, and will apply it to Depot Maintenance Equipment.</p>	<p>If Bidders proposed standard for general industrial equipment is an internationally recognized standard, it will be acceptable subject to the Engineer's Evaluation and Approval.</p>

16.	VI-2-1		<p>General Specification, clauses 8.5.3; 9.12.3; 12.6.5; 12.7.3; 12.8.3 and 14.9.1</p> <p>General Specification, Appendix A, Definitions</p> <p>(Trial Running Tests)</p>	<p>Various clauses in the General Specification refer to "trial running period", "trial running date", "trial running test phase", etc., however no such trial running test phase is shown in the Construction Schedule in the ITB, nor indicated in the description of test phases in GS/12.5.1.</p> <p>GS/Appendix A: "<i>Trial Running Tests (TRT) - Tests performed by the Contractor with AM Operations staff to prove the overall functionality and compliance with the Operational system Performance Specifications.</i>"</p> <p>1) Please clarify the scope and intent of the "trial running" as applied to the scope of the Depot Contractor.</p> <p>Furthermore, please clarify the timing of such trial running activities in relation to the construction schedules for the Baclaran and Zapote depots.</p>	<p>"Trial running" shall be read as "trial operation" refer to General Condition Sub-Clause 9.1.</p>
17.	VI-2-1		<p>General Specification, 8.5.3</p> <p>(Maintainability Demonstration)</p>	<p>GS/8.5.3: "<i>The Maintainability Demonstration Testing (MDT) shall be conducted on assemblies, components, and sub-systems jointly selected by the Engineer and the Contractor. The Engineer reserves the right to settle any disputes in the selection of sub-systems to be tested. The MDT shall be carried out from the commencement of the Trial Running period and be completed over a total period of not less than 12 months to fully demonstrate all aspects of maintainability.</i>"</p> <p>1) Please confirm if the intent is to complete the Maintainability Demonstration Testing before project completion (Commencement Date + 24 months)?</p>	<p>1) Yes, confirmed.</p>

				Also, please confirm that this Maintainability Demonstration is intended to demonstrate the maintainability of the plant and equipment included in the Contractor's scope?	Yes, confirmed.
18.	VI-2-1		General Specification, 9.18.1 (Employer's Plant, Equipment and Property)	<p><i>"Plant forming part of the Works may be used by the Contractor only with the approval of the Employer/ Concessionaire and if so used the Contractor shall be responsible for restoring it to an 'as new' condition before carrying out the completion tests."</i></p> <p>Please confirm if the following is acceptable:</p> <ol style="list-style-type: none"> <li>1) We will deliver, install &amp; test the Overhead Cranes (VI-2-2 Technical Specification, clause E-1.5.1 &amp; 1.5.27) at the beginning of our site installation work of Depot Maintenance Equipment.</li> <li>2) After the testing, we will use these Overhead Cranes for our installation works of other equipment.</li> <li>3) After our site installation work has been completed, we will execute the overhaul maintenance for these Overhead Cranes before the handover of Overhead Cranes.</li> </ol>	Yes, Bidder's proposal is acceptable.
19.	VI-2-1		General Specification, 14.1 (Training Requirement)	<p><i>"The Contractor shall be required to train, or arrange training for nominated personnel. These nominated personnel shall include the Employer's/ Concessionaire's training instructors, who will require training in technical matters according to their intended function."</i></p> <p>Please clarify how many sessions of training course are we required to execute for each Depot Maintenance Equipment?</p>	Contractor shall propose Training Plan based on the Employer's Requirement and Manufacturer's Manual subject to the Engineers Evaluation.
20.	VI-2-2		Technical Specification, E-	E-1.1: <i>"The maintenance equipment to be prepared by this Project is for the 3rd and 4th generation trains. The locations are</i>	Zapote Automatic Train Wash Plant daily working load is

			<p>1.1 (Light Maintenance Equipment) and E-1.4 (Automatic Train Wash Plant)</p> <p>(Quantity of trains for Light Maintenance)</p>	<p><i>Baclaran Expansion Depot (3 tracks) and Zapote Satellite Depot (2 tracks). Accordingly, 5 tracks are available for this purpose. The light maintenance track of the existing Baclaran Depot is 5, and the maintenance works of 40 trains (1st, 2nd and 3rd generation trains) are executed. The number of 4th generation trains prepared for this project is 30 and 61 trains will be available when the Project is completed. The light maintenance of 61 trains shall be done in 10 light maintenance tracks, and the new section shall have about half volume of the light maintenance, that is to say 30 trains."</i></p> <p><i>E-1.4: "The Contractor shall provide a new Automatic train wash plant at Zapote Satellite Depot for every 3days regular washing work which comprises of wash slab and buried tanks for installation of wash equipment and drainage arrangement for waste water, including waste water treatment and recycling system."</i></p> <p>Please confirm which is correct below.</p> <ol style="list-style-type: none"> <li>1) 61 trains including 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> &amp; 4<sup>th</sup> generation trains will be washed by the new Train Wash Plant in Zapote Satellite Depot. And the washing capacity per day shall be <math>61/3 = 20</math> trains/day.</li> <li>2) 30 trains of new 4<sup>th</sup> generation trains will be washed by the new Train Wash Plant in Zapote Satellite Depot. And the washing capacity per day shall be <math>30/3 = 10</math> trains/day.</li> </ol> <p>And kindly advise the how many hours per day are acceptable to spend for train washing including the water refilling time?</p>	<p>assumed about 20 train sets/day. This train wash plant is basically used for the trains which are stabled in Zapote Depot.</p> <p>Operation time of Washing Plant is dependent on the train operation and trains return schedule to Zapote Depot.</p> <p>No, it is not required to consider water refilling time. Water tank of Automatic Train Wash Plant shall provide automatic fresh water fill in device when water level in the tank is below the minimum water level.</p>
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21.	VI-2-2	Technical Specification, E-1.5.10.3 Universal Machine	<p>The Universal Machine has 3 functions:</p> <p>a) Lathing function b) Drilling function c) Milling function</p> <p>Is it acceptable to provide three individual machines, one for each of the three functions?</p>	Heavy Maintenance Shop area's space is limited. As far as Maintenance Shop layout and equipment arrangement has satisfied the Employer's Requirement, it is acceptable subject to the Engineer evaluation.
22.	VI-2-2	Technical Specification, E-1.5.16.2 Car Mover	<p><i>"The car mover shall be driven by AC motors or diesel engine type to move a car/train or a bogie in the heavy maintenance area and/or wheel re-profiling plant area. The provisions for being hoisted up by overhead crane shall be provided."</i></p> <p>Is it acceptable to provide a Car Mover which is driven by a diesel engine powered hydraulic motor?</p>	Yes, Bidders proposal is acceptable.
23.	VI-2-2	<p>Technical Specification, E.1.5.16.2</p> <p>(Car mover – Connection to bogie)</p>	<p>TS/ E.1.5.16.2: <i>"The car mover shall be driven by AC motors or diesel engine type to move a car/train <u>or a bogie</u> in the heavy maintenance area and/or wheel re-profiling plant area."</i></p> <p>The car mover is intended to move trains, cars and bogies in the depot and workshop areas.</p> <p>TS/E.1.5.16 specifies the couplers/tow bars for connection to end car and intermediate car, however the Technical Specification does not specify how the connection to a bogie will be made.</p> <p>Please clarify how to connect the car mover to an individual bogie.</p>	Bidder is required to propose and provide some connection device to the bogie at detail design stage.



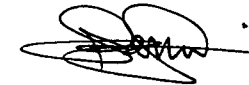
24.	VI-2-2	Technical Specification, E.1.5.16.3  (Car mover – Braking capability)	TS/E.1.5.16.3.a.iii: " <i>Brake system which can stop the car mover and a car shall be provided.</i> "  1) Please clarify if the car mover shall have the ability to connect to and control the brake system of an LRT car, or if it is sufficient that the brake system of the car mover itself has the capacity to brake the car mover and its load ?  2) If the answer to question 1) is the second option, please confirm that the brake system of the car mover shall have the capacity to stop a 4-car W0-loaded train on level track?	1) Car mover brake system shall have the capacity to brake the car mover and its load.  2) Brake system of the car mover shall have the capacity to stop car mover and a 4-cars with no loaded on the level track.
25.	VI-2-2	Technical Specification, E-2.1.1.6 Track Maintenance Vehicle, Operating Equipment	E-2.1.1.6.b: " <i>Decelerating hydraulic brakes are applied at track running and <u>road traveling</u></i> "  Kindly advice is this vehicle required to travel also on road, not only on track?	Track Maintenance Vehicle is required travel on the track, it is not required to travel on the road.
26.	VI-2-2	Technical Specification, E.2.1.2.3  (Flat Open Wagon Dimensions)	TS/E.2.1.2.3.d.iv: " <i>Vehicle overall length approximately 3.0m</i> "  Please confirm if the length of the Flat Open Wagon (3.0m) is correct ?	Flat Open Wagon is used mainly for the transportation of rail. Technical Specification E.2.1.2.3 d) iv. Revise as follows: "Vehicle overall length maximum 3.0m;" And Technical Specification E.2.1.2.3 d) v. "Floor level

					match to station platform (0.69m) from TOR;" to be deleted.
27.	VI-2-2		Technical Specification, E.2.1.3.3 (Side Covered Wagon Dimensions)	<p>TS/E.2.1.3.3.b.iv: "Vehicle overall length approximately 6.0m"</p> <p>TS/E.2.1.3.3.b.vi: "Weight of empty car under 15 ton"</p> <p>TS/E.2.1.3.3.b.vii: "2 Axles"</p> <p>TS/E.2.1.3.3.b.xi: "Fully Load capacity 10 tons"</p> <p>1) Please confirm if the length of the Side Covered Wagon (6.0m) is correct ?</p> <p>2) Tare weight is 15 tons, and load capacity is 10 tons, i.e. total weight under loaded conditions is 25 tons (25,000 kg). This results in an axle load of <math>25,000/2 = 12,500</math> kg. Please confirm if this is correct ? We understand that the axle load should not exceed 10,500 kg?</p>	<p>1) Side Covered Wagon Vehicle overall length approximately 6.0m means length of 5.0m to 7.0m range is acceptable.</p> <p>2) Yes, Bidders understanding is correct. Weight of empty car shall be revised to maximum 10 tons.</p>
28.	VI-2-2		Technical Specification, E-2.1.6.3 Track Geometry Measuring Equipment, Design and Performance	<p>E-2.1.6.3.g: "Operating performance ... ii Measure accuracy all items 0.5 mm"</p> <p>Kindly clarify if 0.5mm accuracy means <math>\pm 0.25</math>mm or <math>\pm 0.5</math>mm?</p>	Measure accuracy $\pm 0.5$ mm is correct.
29			As Built Drawings	<p>Please provide Depot as-built drawings on Baclaran Depot for the following: Motor Pool Building Administration Building</p>	

				<p>Underground utility network (e.g. water line, electrical cables &amp; ducts, communication lines, drainage line, etc.) Other Buildings that will be affected by the Depot Expansion, if any</p> <p>(GBB-2 response) The as built drawings shall be published thru another GBB once available. Bidder shall investigate existing Building and utility network.</p>	<p>As Built Drawing of Administration Building (CD) can be obtained at the Office of Procurement Division III – 2<sup>nd</sup> Floor, Procurement Service, PS Complex, RR Road, Cristobal Street, Paco, Manila.</p> <p>As Built Drawings of Motor Pool Building and Underground utility network are not available please investigate by the Bidder on site.</p>
30	VI-4-4		<p>Loading Consideration for OCS and Anchor Foundation</p> <p><i>OCS and Anchor Foundation</i></p>	<p>According to the summary table of OCS foundation loadings, some type of OCS is with anchor. Do the loading shown for this type includes the foundation load shown below the summary table or it is needed to be added? See table below. This applies for both Baclaran and Zapote depot</p> <p>(GBB-3 response) The Supplemental Information VI-4-4 SI-OCS &amp; AF attached Baclaran and Zapote pegging plan (OCS and Anchor foundation numbers and load tables) to be superseded by the revised data which was issued by the Concessionaire to CMX on October 11th (Please refer to attached " Baclaran &amp; Zapote Depot OCS and Anchor Foundation Requirement (Pegging Plan)".</p>	

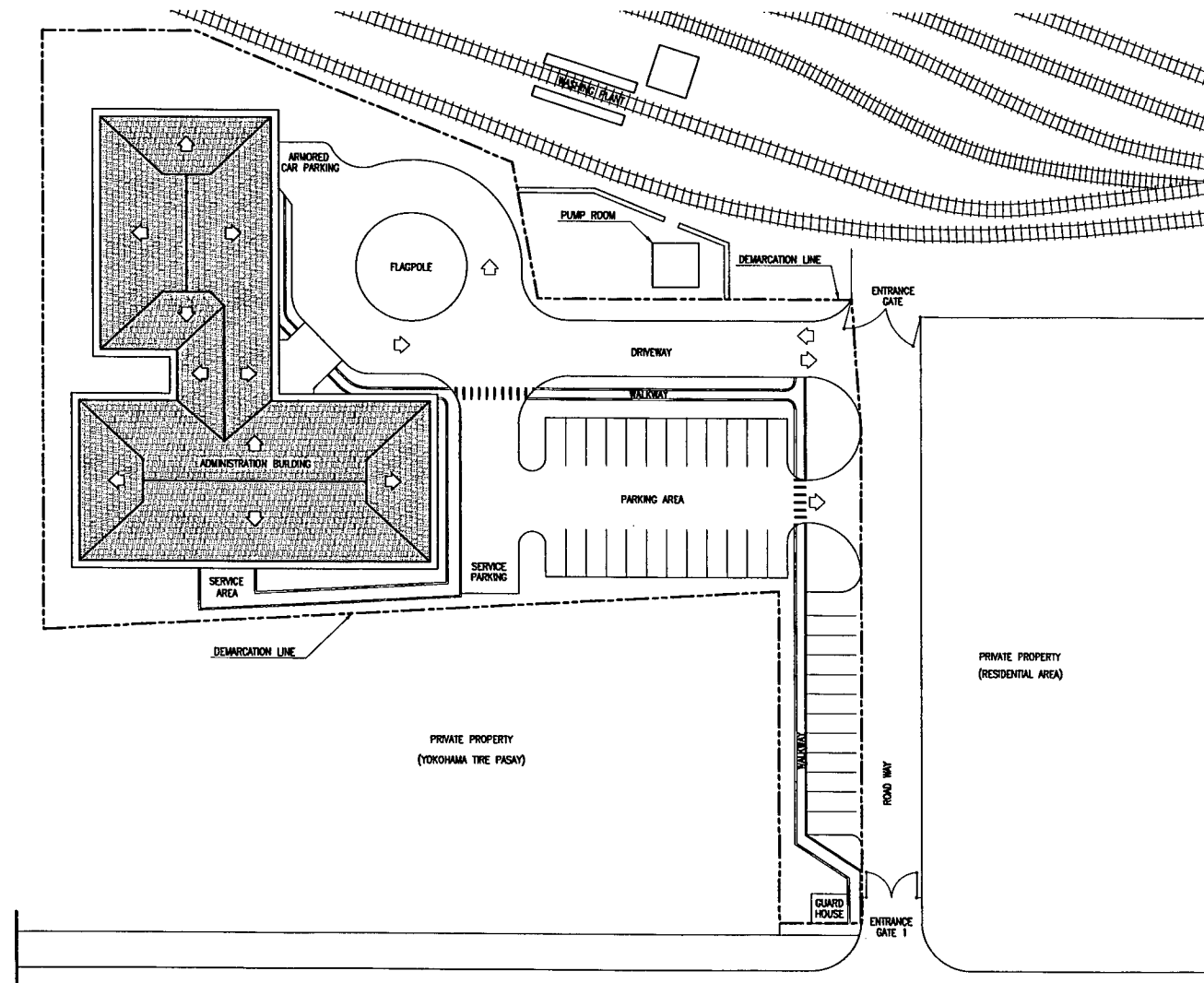
				For the loading data, the Concessionaire is now confirming with the EPC contractor. Confirmation will be provided upon receipt from the Concessionaire.	The type of OCS foundation loads that have anchors shown in the table of Pegging Plan include the load imposed from the Anchors.
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For the Bids and Awards Committee III



**ENGR. EDWARD R. SADDI**  
Chairperson

REFERENCE ONLY



ADMINISTRATIVE BUILDING  
SCALE 1:200

REVISIONS							
REV. No.	DATE	DESCRIPTION	DRAWN	DESIGN	CHECKED	APPROVED	
-	-	-					

Republic of the Philippines  
DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS



**LRT Lines 1 and 2 Extension Projects**

LRT Line 1 Office:  
3rd Floor, Keystone Building  
220 Sen. Gil J. Puyat Avenue  
Makati City, 1220  
Tel: 894-5811 / 894-5764

LRT Line 2 Office:  
Semicon Building  
50 Marcos Highway Brgy.  
Delo Poz, Pasig City  
Tel: 894-5811 / 894-5764

SCALE: 1:250

PACKAGE:	EXPANSION OF EXISTING DEPOT AT BACLARAN AND CONSTRUCTION OF NEW SATELLITE DEPOT AT ZAPDTE
DRAWING TITLE:	<b>BACLARAN DEPOT ADMINISTRATIVE BUILDING DEMARCATION LINE</b>
CAD FILE #:	
Dwg. #:	Rev. #: -