



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



General Bid Bulletin No. 5
October 26, 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
<u>CLARIFICATIONS IN THE BIDDING DOCUMENTS FROM PROSPECTIVE BIDDERS</u>	Please refer to the attached ANNEX "A-2" 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

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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*
Tel/Fax 561-7025 & 561-6098

A. CLARIFICATION

No.	Section No.	Page No.	Clause No. / Title	Clarification Request	Response
1.	VI-2	TS-207	Employer's Requirements	<p>We refer to the depot maintenance equipment prescribed in the Section VI-2 Technical Requirement of Employer's requirement Page Ts-207 onwards.</p> <p>Please provide us with details of 3rd and 4th generation trains so that we can properly design and procure the abovementioned equipment.</p>	Please specify what kind of detail of 3rd and 4th generation trains the Bidder requests.
2.			PCC Clause 14.1 Paragraph 3	<p>We understand that the Value-Added Tax (VAT) shall be paid by the Employer to the Contractor in the full amount of twelve percent (12%) of the Contract Price in accordance with RMC No.8-2017 and relevant VAT laws.</p> <p>However, the phrase "(if any)" in this Paragraph 3 implies that there is not always VAT payable on the Local Portion of the Contract Price and lack of reference to the treatment of VAT on the Foreign Portion is misleading.</p> <p>Please clarify the intended provision of this Paragraph 3.</p>	The phrase "(if any)" pertains to the Local portion, it is at the discretion of the Bidder if there will be items whose cost will be under Local portion (Local Amount in the Price Schedules). VAT is applicable to all Local Amounts in the Price Schedules.
3.			PCC Clause 14.1	Considering the requirement provided in the Paragraph 3 of Clause 14.1 of PCC and the forms of	Yes, the Bidder's understanding is correct.

		Paragraph 3 & Price Schedules	Price Schedules which do not contain any fields for VAT amounts, we understand that VAT shall be incorporated into the rates and prices of each work items. Please confirm if our understanding is correct.	Local portion's Rate and Amount in Price Schedules for each work and Summary shall include VAT.
4.		Price Schedules Grand Summary	Please confirm if we are correct in our understanding that the amounts of the row identified as (F) in the Grand Summary shall be carried forward to the Letter of Price Bid. Please also confirm that the Accepted Contract Amount to be stated in the Letter of Acceptance shall be based on the amounts stated in the Letter of Price Bid with adjustments due to discounts and/or corrections if any made in accordance with the Bidding Procedures.	Yes, the Bidder's understanding is correct. Yes, confirmed.
5.	VI-1	Employer's Requirements Scope of Works/2.3.2q Administration Building	Please provide list of Priority Areas/Rooms for our work sequence & temporary protection.	Works can only proceed on one wing of the building at a time since the other wing of the building is being occupied by LRTA Employees.
6.	VI-2-2b	Employer's Requirements Technical Requirements Section 10.8	Please advise if there's any other room than Toilet (M/F) that requires domestic water heater system.	Shower Rooms also require domestic water heater system.
7.	VI-2-2b	Employer's Requirements	Water Pump Requirements Page TS-123, there's an equipment schedule for Water Pump. In-line with	Equipment schedule is not provided, the Bidders may propose a design that shall comply with the Employer's Requirements, which would

			Technical Requirements Section 10.9	this, we would like to ask for a copy for our reference.	be acceptable subject to the Engineer's Evaluation and Approval.
8.	VI-2-2b		Employer's Requirements Technical Requirements Section 1.1.6 Medical Room	Please confirm if the telephone for emergency call located at Light Maintenance Shop – Medical Room is included in our scope but we will clarify this to Client.	Yes. Telephone for Emergency Call in the Medical Room is required. All required telephone systems for Depot works is the scope of the Depot Contractor.
9.			Design	Please confirm the numbers of male and female employees for each area for our consideration on sanitary fixtures/toilet design.	Based on the existing Baclaran Depot Work Force, Male is 85% and Female is 15%.
10.			Design	Please advise if the tapping point for the Admin Bldg utilities (such as FWL, CWL and Sewer) is same with the Baclaran Depot. If not, please also provide us the As-built drawing showing the tapping points.	As this is a Design and Build Bidding, the Bidders shall investigate on site. TS-154 sewer pipe shall connect to Maynilad Lift Station which is planned to be constructed near the LRTA Administration Building Parking Area. In clause 2.12.2.1 c) TS-155, the water supply line of the Administration Building is connected from Maynilad Water District independently near Gate 1. Also in clause 2.12.2.1 d) TS-155, states that installation of new fire water pipe line, pump house, fire pump and construction of new cistern for domestic and fire water use of Administration Building.
11.			Design	For telephone system, please confirm if hand sets are required?	Yes, handsets are required as part of the telephone system.

12.			Design	Please advise the existing brand and model for FDAS since the FDAS for expansion depot shall be integrated to existing.	Existing Baclaran Depot FDAS to be newly installed by the Concessionaire. Therefore the brand and model is not yet identified.
13.			Design	<p>For Admin Bldg., please advise and confirm the following:</p> <ul style="list-style-type: none"> • HV Incoming system will not be refurbished? • Existing panel board for LV feeder system will be re-used? • Please advise if lighting fixtures and Lux level for this Bldg. will be the same as "Office" Requirement shown in Sec. 1.4.3 Page TS – 172. • Please confirm if interface of FACP between Depot and Admin Bldg is required. • Please confirm specification for CCTV Camera, can we consider Sec. 2.12.6 CTV/SURVEILLANCE SYSTEM (Page TS – 160). 	<ul style="list-style-type: none"> • HV shall be sourced or tapped from outside Meralco lines, refer to Technical Specification Clause C. 2.12.3 (Page TS=156) • No. The Contractor shall replace old panel boards with new panel board for LV feeder system. • Yes. • Interfacing of FACP between Depot and Admin Building is not required. • Yes.
14			Design	As per the Contractor's computation present sand compaction pile design will not be stable against the liquefaction and the required spacing shall be 0.9m with the square arrangement.	As this is a Design and Build Bidding, the Bidders may propose a design that shall comply with the Employer's Requirements and that shall provide the same quality or better, which

				Should we propose alternative soil improvement design?"	would be acceptable subject to the Engineer's Evaluation and Approval.
15			Fire Suppression	Please confirm if we have to provide sprinkler system. Provide areas that needs sprinkler.	As this is a Design and Build Bidding, the Bidder shall verify with the Local Enforcement Agency (Bureau of Fire Protection, etc.) in regards to Fire Protection requirements. The proposed sprinkler system shall meet recognized/acceptable standards and all relevant local laws, rules, codes and regulations.
16			Fire Suppression	Please confirm which areas /rooms to be provided with Foam Fire Suppression System.	As this is a Design and Build Bidding, the Bidder shall verify with the Local Enforcement Agency (Bureau of Fire Protection, etc.) in regards to Foam Fire Suppression System requirements. The proposed Foam Fire Suppression System shall meet recognized/acceptable standards and all relevant local laws, rules, codes and regulations.
17			Compressed Dry Air System	Please provide Compressed Dry Air (CDA) capacity requirement per equipment needed.	As this is a Design and Build Bidding, the Bidder has the responsibility to coordinate with their equipment sub-contractors/suppliers for compressed dry air capacity requirement per equipment.
18	VI-2		Technical Requirements / Technical Specification/ 4.3.3 Utilities – Electrical Power	"Power supply including transformers and Distribution Switch gear located in the substation is in the scope of EPC Contractor." Transformers are included on EPC scope of work. MV Switchgear is also part of EPC scope of work.	No. Technical Specification (page TS-6) Clause 4.4.3 Low Voltage Interface Works with EPC, states that the Contractor shall be responsible for the cable to the main isolator in the Substation and the feeder breaker downstream located in the switch room. Therefore supply

			<p>Thus, in relation to General Bid Bulletin No. 16, supply and termination of MV cables connecting the MV switchgear & transformer is not included in the contractor's scope of work.</p> <p>Please confirm.</p>	<p>and termination of cables connecting from the output of EPC switchgear/transformer is included in the Contractor's Scope.</p>
19	VI-2	Technical Requirements / Technical Specification/D. Building E&M Work	<p>"Note: The following works are excluded from E&M Building services... a) HV/MV Supply Power;"</p> <p>Please provide details on the substation for the following for structural design consideration and cabling route:</p> <ul style="list-style-type: none"> a. HV/MV equipment layout on the substation (switchgear, transformers, etc.) b. Equipment loading 	<ul style="list-style-type: none"> a. HV/MV equipment layout on the substation (switchgear, transformers, etc.) is attached for reference. b. Equipment Loading for the Baclaran Depot Sub-station is shown on the attached drawings. For Zapote Depot Sub-station, the equipment loading is not yet available.

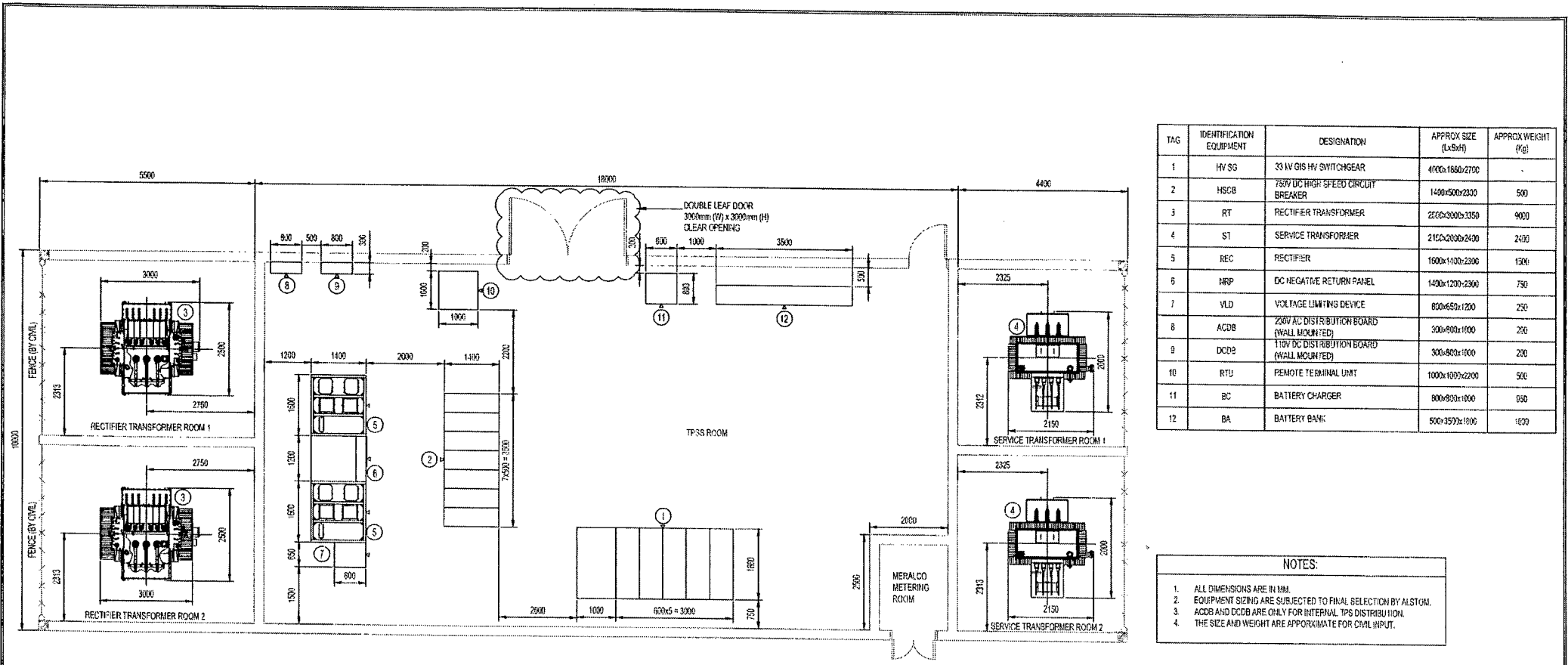
For the Bids and Awards Committee III



ENGR. EDWARD R. SADDI

Chairperson

Location: C:\Users\115233\Documents\004_caf\11a\101_submissions\07_emi\02_baclaran_emi\m\02_pos-lay-001.dwg



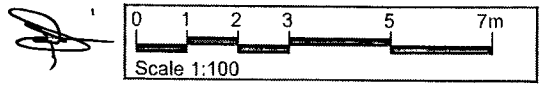
TAG	IDENTIFICATION EQUIPMENT	DESIGNATION	APPROX SIZE (LxBdH)	APPROX WEIGHT (kg)
1	HV SG	33 KV GIS HV SWITCHGEAR	4900x1860x2700	-
2	HSCB	75KV DC HIGH SPEED CIRCUIT BREAKER	1400x500x2300	500
3	RT	RECTIFIER TRANSFORMER	2200x3000x1350	9000
4	ST	SERVICE TRANSFORMER	2150x2000x2400	2400
5	REC	RECTIFIER	1600x1150x2300	1500
6	MRP	DC NEGATIVE RETURN PANEL	1400x1200x2300	750
7	VLD	VOLTAGE LIMITING DEVICE	800x650x1200	250
8	ACDB	200V AC DISTRIBUTION BOARD (WALL MOUNTED)	300x800x1000	200
9	DCDB	110V DC DISTRIBUTION BOARD (WALL MOUNTED)	300x800x1000	200
10	RTU	REMOTE TERMINAL UNIT	1000x1000x2200	500
11	BC	BATTERY CHARGER	800x800x1000	500
12	BA	BATTERY BANK	500x3500x1000	1000

NOTES:

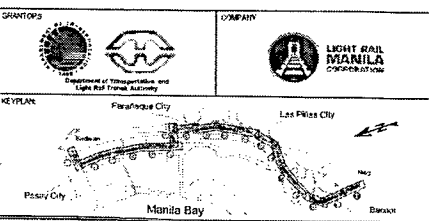
- ALL DIMENSIONS ARE IN MM.
- EQUIPMENT SIZING ARE SUBJECT TO FINAL SELECTION BY ALSTOM.
- ACDB AND DCDB ARE ONLY FOR INTERNAL TPS DISTRIBUTION.
- THE SIZE AND WEIGHT ARE APPROXIMATE FOR CIVIL INPUT.

FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

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REV	DATE	ISSUER/REVISIONS REGISTER	DRAWN	CHECKED	APPROVAL
A	24.10.17	First Issue	LDER/CA	J.MCK	P.FOI



EPC CONTRACTOR

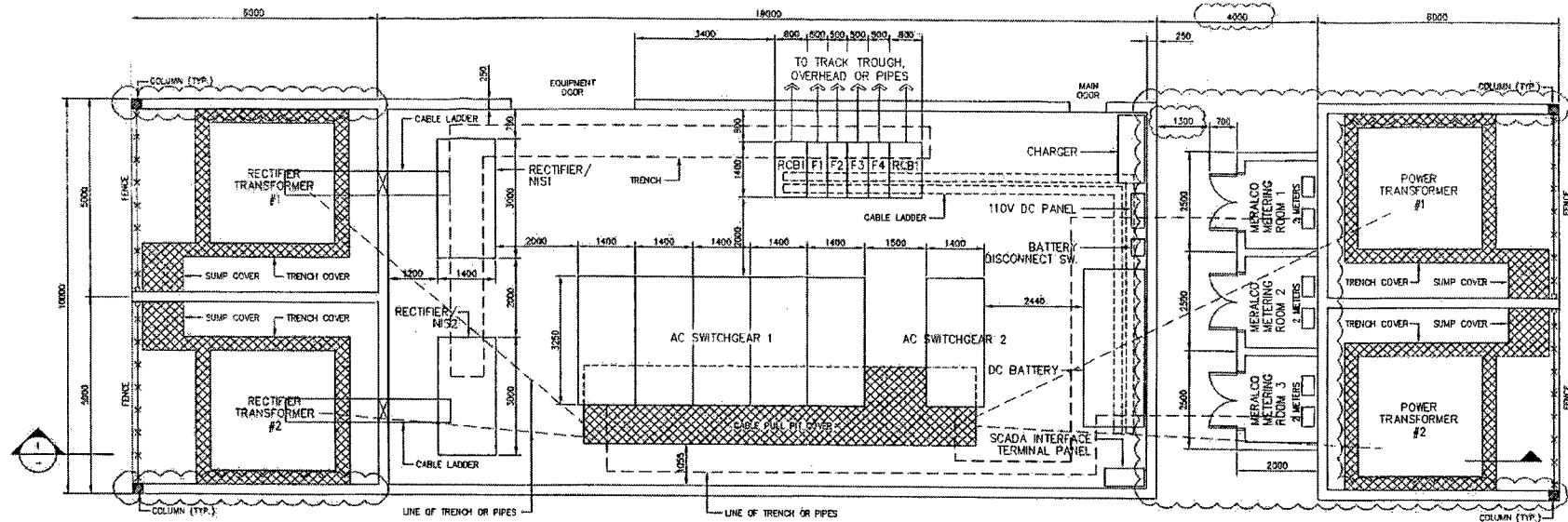
A Consortium formed by:

PHILIPPINES

ALSTOM

DESK-NO: 1 (kg/D/M)	DRAWING STATUS: PRELIMINARY DESIGN STAGE
DESK-NO: 2 (kg/DESIGNER)	SCALE: 1:100
	FORMAT: A3
	CAD: REF:
	L1CEP1-EPC-D2-POS-LAY-XREF
	L1CEP1-EPC-D2-POS-LAY-ARCH

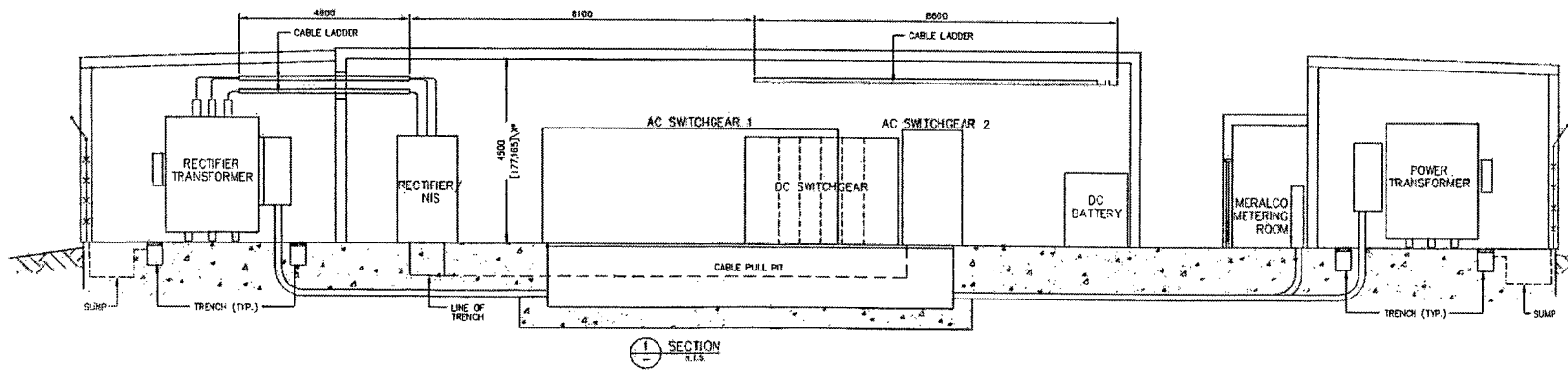
PROJECT: MANILA LRT1 CAVITE EXTENSION (L1CEP)	DRAWING NO: L1CEP1-EPC-D2-POS-LAY-0016
TITLE: BACLARAN DEPOT - TPS EQUIPMENT LAYOUT	
	A



NOTES :

1. ALL STRUCTURAL / CIVIL WORKS TO BE DONE BY OTHERS.
2. DESIGN / LAYOUT OF ENCLOSURE IS INDICATIVE.

NOTE :
LV PANEL IS NOT INCLUDED IN THE STATION
PLAN
N.T.S.



Main Contractor



ALSTOM

BOUYGUES - ALSTOM EPC Consortium

PROJECT: Manila LRT1 Cavite Extension

TITLE: EQUIPMENT LAYOUT DIAGRAM FOR TPS 17 ZAPOTE DEPOT

