



General Bid Bulletin No. 11
19 November 2021

METRO MANILA SUBWAY PROJECT PHASE I

PACKAGE CP102:
TWO UNDERGROUND STATIONS (QUEZON AVENUE AND EAST AVENUE)
AND TUNNELS
(IFB No: 21-034-6)

TO ALL PROSPECTIVE BIDDERS:

This General Bid Bulletin is issued to amend/clarify certain provisions in the Bidding Documents for the above-mentioned Project. Please refer to the attached Annexes of this General Bid Bulletin for details:

1. Annex "A" Answers to Queries from Prospective Bidders including Clarifications to the Bidding Documents.
2. Annex "B" Addendum to the Bidding Documents
3. Annex "C" Revised pages of the Bidding Documents

All other portions of the Bidding Documents not affected by these revisions, amendments and/or clarifications shall remain unchanged.

Revisions/amendments/clarifications made herein shall be conserved as an integral part of the Bidding Documents of this Project

For your guidance and information.

For the Bids and Award Committee

SIGNATURE REDACTED

WEBSTER M LAUREÑANA
Chairperson

Metro Manila Subway Project Phase 1
PACKAGE CP102 (Quezon Avenue and East Avenue)

ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
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Volume IA Bill of Quantities (BOQ)

1.	Bill No. 1 General Requirements	The bidder understands that in case of Time Extension the construction period is approved after award, time related cost such as "Pay Item No. G104 Contractor's Temporary Facilities", "Pay Item No. G 108 Site Offices For the Engineer", and "Pay Item No. G 114 Traffic Management", but not limited to, shall be compensated based on proportion of the number of days/months of such extension. Is the bidder's understanding correct?	No, the Bidder's understanding is not correct. If the Contractor considers himself to be entitled to any additional payment, the Contractor shall submit necessary documents to substantiate such a claim in accordance with Sub-Clause 20.1 of the Conditions of Contract. The Engineer will review and evaluate the Contractor's claim in accordance with the Contract
2.	Bill 7A 101(2) Removal of Structure & Obstructions and Restoration	Since Provisional Sum No 3 is provided for removal of all structures and obstructions, please tell us what work is to be priced under Bill 7A Pedestrian Bridge Item 101(2).	Bill 7A 101(2) is the allowance for removal of existing Pedestrian Bridge.
3.	Bill 2C, Item 2007(9), Slope Protection Retaining Wall	Kindly identify the location and details of the retaining wall to be constructed on East Avenue Station	Please refer to drawing CW-CE-EA-1008.

Volume II Works Requirements Section VI
Works Requirements – General Specification (GS)

4.	Section VI (GS) Page 68 116.4 Factory Acceptance Tests (FAT) 11.6.4.1. Requirement for' FAT The Employer requires that the	The Bidder would like to clarify that Factory Acceptance Tests (FAT) of Electrical/Mechanical items are specified items only for Bidder shall include bid amount.	The Bidder shall price relevant BOQ items in accordance with the provisions of the Contract.
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	<p>following major items of materials and/or equipment shall be subjected to Factory Acceptance Tests (FAT) prior to delivery and incorporation into the Works</p> <ul style="list-style-type: none"> (a) Electrical/Mechanical (i) Major components of ventilation, air conditioning, AHN, and smoke exhaust system (ii) Distribution Panels (iii) Communication and information system equipment (iv) Control panels and boards (v) BMS System (vi) Disaster Preventive Control and Monitoring System (vii) CCTV (viii) Five Alarm System. (ix) Elevators (x) Escalators (xi) Pumps (xii) Uninterrupted Power Supply System (xiii) Water Tanks (xiv) FUHU (Five Hydrant System) <p>The detailed equipment will be subject by FAT and shall be confirmed with the</p>		

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	Engineer based on the contractor's tender proposal and accepted condition by the engineer.		
Volume II Works Requirements Section VI Works Requirements – Technical Specification (TS)			
5.	Volume II Part 2 Technical Specifications (TS) 4: Underground Structures Page 73 Table 2007.2.2 Concrete Exposure Category	In table 2007.2.2, the maximum concrete temperature for Class C concrete was specified at 27 deg C while 32 deg C for other concrete classes. Considering the tropical weather in the country, the Bidder would like to request that the maximum temperature of all fresh concrete shall be regulated at 32 deg C max, including Class C concrete.	The Engineer agreed with the contractor's proposed fresh concrete temperature at 32 (°C) max. However, contractor also shall comply Maximum Rise of Temperature at the Center (°C) for thick section as stated at Table 2007.2.2 Concrete Exposure Category
6.	GBB No.6	Reference is made to "Annex B Reference" attached to the GBB No.6 dated 30 Sep 2021. Whilst "Annex B Reference" is referred to in the item nos.31 and 32 of AnnexB, "Annex B Reference" states Annex B item 82 and 83. Please clarify.	No.31, 32 are correct.
7.	TS 04 82 2007.2.9 2), Clause References 2) Workability Limits The batches or mixing operator shall maintain the workability of the concrete mixes when delivered to the Works in accordance with the slump requirements specified	Please provide the clause references in the English language.	It is "Table 2007.2.1".

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8.	Specifications for Station Plazas	Please provide a specification with method of measurement for Station Plaza Works.	Please refer "1: Civil Works (General)"
9.	VI TS5 64 BOQ 2305 (4) Painting & FireProofing for Structural Steel	May we request for the detailed specification on the type of painting/s to be used?	Please refer to Architectural TS Section 1032.2.2.2 "Paint for Designated Steel Members"
Volume III Part2: Works Requirements Works Requirements – Employer's Drawings (DRW)			
10.	115kV Facilities Relocation at the East Avenue Station	Reference is made to the drawing showing "115kV Facilities Relocation at the East Avenue Station" contained in Annex C of GBB No.5 issued on 6 September 2021. We understand that, according to the drawing, 15m high of the headroom restriction shall be applied to all works to be carried out underneath/nearby the diverted cable including construction of the diaphragm walls. Please advise if our understanding is correct.	Cables that restrict 15m height are following: 1. Cable across station box along Maliksi street 2. Cable crossing Matatag street (passage of Entrance 02) along V Luna Ave on the opposite side of station box
11.	BOQ Pay Item 2008 (6) Drilled Rebars STN-CE-EA-0814 STN-CE-EA-1413 STN-CE-QA-0821 STN-CE-QA-0825	Diaphragm wall max. width is only 1.2m while embedment length of drilled rebars ranges from 0.87m to 2.16m as per drawings. Kindly verify the length of each drilled rebar since we found out that the lengths stated in the drawings are much longer than the width of the Diaphragm Wall.	Please plan that half length of the drilled rebar is inside D-wall and half length of that is outside D-wall.
12.	Item 3 of Annex B contained in the GBB No.6	According to the item 3 of Annex B contained in the GBB No.6 dated Sep 2021, the drawings included in the package of "Metro Manila Interchange Construction Project VI" attached to	This is for coordination with the relevant interface contractor.

General Bid Bulletin No.11
Annex "A"

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ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
		Annex C shall be added to the Employer's Drawings (DRW). Please clarify the purpose of these drawings under the Contract CP102.	
13.	Item 5 of Annex B contained in the GBB No.6	The item 5 of Annex B contained in the GBB No.6 dated 30 Sep 2021 states that the drawing attached to Annex C showing the Track Work by CP106 at North Avenue Station shall be added to the Employer's Drawings (DRW). However, none of the drawings included in Annex C shows the track works by CP106. Please clarify.	"Track works by CP106 Drawing" should be "TRACK PREPARATION YARD" ."CONSTRUCTION YARD PLAN NORTH AVENUE STATION" was attached in Attachment of GBB No. 6
14.	Handholes. SPL-E-QA-5041	Upon review of the bid plans, we found that there are no indicated dimensions of the handhole. We would like to request for the dimensions	Handhole sizes vary and shall be calculated based on the number and sizes of the duct banks indicated in the design. Sizes of duct banks shall be referred in SPL-E-QA-5042.
15.	Equipment Pedestal	Upon review of the bid plans, we found that there is no indicated height of the equipment pedestal. We would like to request for the dimensions.	We suppose that equipment pedestal bidders mention is MEP equipment but it is unclear . Please ask the bidder to specify which equipment they mention.
16.	Pedestrian bridge drawing SPL-PB1-P-QA-5001~5012.	In the drawings there are many dots which seem like misprinted letters. Please clarify the meaning of the dots or provide these drawings again to show description if necessary.	Please refer to attached revised drawings of SPL-PB1-P-QA-5001 to SPL-PB1-P-QA-5012
17.	CIVIL DRAWINGS GENERAL NOTES & COMMON DETAILS SHEET NO. 17,18,19 Common Details GN-CE-CD-0015 GN-CE-CD-0016 GN-CE-CD-0017	In the Drawing GN-CD-0015/0016/0017, Checkered steel plate (t-4.5) is bolted with Angles (100 x 100 x10). However we cannot find the detailed drawing of the bolt connection plate. Please specify it.	The bidder is requested to refer to "a Part Detail" on Drawing GN-CD-0015/0016.
18.	CIVIL DRAWINGS	Please specify the required quantity of	The evacuation ladder is planned every 40m within the tunnel.

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ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
	GENERAL NOTES & COMMON DETAILS SHEET NO. 20 Common Details GN-CE-CD-0018	Evacuation Passage Ladders for each tunnel.	
19.	Tunnel Lighting	There are no Reference Drawings for the Tunnel Lighting in the Bidding Documents. Please confirm or provide the drawings should there be any drawings for the Tunnel Lighting.	Only a schematic diagram for the tunnel lighting system is provided. Please follow.
<i>Volume IV Part3: Conditions of Contract and Contract Forms</i>			
20.	Section III, Particular Conditions Attachment-4 Schedule of Insurances 1. II Third Party Liability (Damage to Property / Public Liability); and Section VI General Specifications, 131 Works in the Vicinity of Existing Operating Philippine National Railway and Others	Bidder noted that CP102 tunneling work will pass near / under MRT3 facilities. In this instance, Bidder require to know the Employer's risk identification / assessment with regard to CP102 construction affecting MRT3 facilities and/or operation, or any pre-agreement with MRT3 Operator; so that Bidder can properly consult to insurance underwriter(s) for the assessment of the maximum insured amount (Minimum is set by the Employer as US\$25 million)	The Bidder shall assess such a risk as an experienced contractor and price the relevant BOQ item in accordance with the provisions of the Contract.
<i>Volume V part 4 Relevant information</i>			
21.	b_Geotechnical Survey Data for CP102	Reference is made to Volume V part 4 Relevant information contained in a CD-ROM. It is found that the folders, "ISMCPParameters" and "SMCPParameters" under the folder "02 JDT Report" of "b_Geotechnical Survey Data for CP102", do not contain any files. Please confirm these two folders are empty or provide us with the missing files	Please refer to GBB No.10

Metro Manila Subway Project Phase 1 PACKAGE CP102 (Quezon Avenue and East Avenue)		
ITEM NO.	REFERENCE CLAUSE/SECTION	ADDENDUM No. 11

<i>Volume I Part 1: BIDDING PROCEDURES</i>		
1.	Section III, Page EQC-2 EQC 1.1.1 Personnel	Please add the following sentence under the 2 nd paragraph of EQC 1.1.1: Even in the case of multiple contracts, a separate organization consisting of different personnel satisfying the following criteria should be proposed for each contract package.

Evaluation and Qualification Criteria

1. Evaluation

1.1 Technical Evaluation

The following factors shall apply:

1.1.1 Personnel

The Bidder must demonstrate that it has the personnel for the key positions who meet the following requirements:

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.

Even in the case of multiple contracts, a separate organization consisting of different personnel satisfying the following criteria should be proposed for each contract package.

Position	Total Experience (years)	Experience as a project manager/ manager of similar works	Work Experience in Railway projects (years)
a) Project Manager	15	at least one similar experience	10
b) Deputy Project Manager	15	at least one similar experience	10
c) Tunnel Construction Manager	10	at least one similar experience	5
d) Cut and Cover Construction Manager	10	at least one similar experience	5
e) Design Manager	10	at least one similar experience	5
f) Quality Assurance/ Quality Control Manager	10	at least one similar experience	5
g) Safety Manager	10	at least one similar experience	5
h) Architectural Manager	10	at least one similar experience	5

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Annex C

METRO MANILA SUBWAY PROJECT PHASE 1
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Section IV Bidding Forms

EQC-2

i) Mechanical, Electrical and Plumbing Manager	10	at least one similar experience	5
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