



General Bid Bulletin No. 11
19 November 2021

METRO MANILA SUBWAY PROJECT PHASE I

PACKAGE CP103:
TWO UNDERGROUND STATIONS (ANONAS AND KATIPUNAN)
AND TUNNELS
(IFB No: 21-035-6)

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 CP103 (Anonas and Katipunan)			
ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE

<i>Volume I Part1: Bid Procedures</i>			
1.	General Bid Bulletin No.9, Annex B, Item No.1 General Bid Bulletin No.9, Annex C	The Bidder would like to clarify that Form EQU should be revised as following. 1. Page number should be BF - 46 instead of BF - 44. 2. In accordance with the Employer's response of Item No. 10, Annex A, General Bid Bulletin No. 9, it mentioned that "Please replace "Clause 1.1.3" with "Clause 1.1.2" as underlined below." However, it remains "Clause 1.1.2" in the Annex C, General Bid Bulletin No.9. Please replace the Form EQU.	Please refer to Annex C
2.	PART 1 BIDDING PROCEDURES Section 4, Bidding Forms, Project Management Plan under Item 2.1	In the last sentence of Item 2.1 it is mentioned that "A copy of Diploma (graduation certificate) and other certificates shall be attached as evidence of their professional qualification". - Will the other certificates pertain also to training certificates, vocational studies diploma and CVs (Curriculum Vitae)? Please confirm. - Is a Professional Regulations Commission license (PRC license) or equivalent a requirement that has to be submitted for this bid? Please confirm.	The Bidder shall attach a copy of document which can be evidence of the professional qualification listed in the "Professional qualifications" column of Form PER-2 Resume of Proposed Personnel (BF-39), The personal qualification requirements for the Contractor's Proposed Key Personnel are as shown in Section III Evaluation and Qualification Criteria Sub-Clause 1.1.1..
3.	Volume I PART 1: BIDDING PROCEDURES Section VI: Bidding Forms (BF) BF-11 Form of Bid Security (Bank Guarantee) Bid Security Expiry Date	May we confirm if the suggested revised wordings of the Bid Security from our bank is acceptable, i.e. specific expiry date will be indicated (see attached Annex): "This guarantee will expire and shall be returned to	The Bidder is referred to Volume I, Bidding Procedures, Section IV Bidding Forms, Form of Bid Security (Bank Guarantee), the 1st Paragraph on Page BF-11 of Form of Bid Security (Bank Guarantee) , the underlined wording is acceptable:[1]

Metro Manila Subway Project Phase 1
PACKAGE CP103 (Anonas and Katipunan)

ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
		<p>the Applicant: on May 6, 2022 or, in any of the case in (a) or (b) below, whichever comes earlier (a) if the Applicant is the successful Bidder, upon our receipt of copies of the Contract Agreement signed by the Applicant and the Performance Security issued to the Beneficiary in relation to such Contract Agreement; or (b) if the Applicant is not the successful Bidder, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the bidding process; or (ii) twenty-eight (28) days after the end of the Bid Validity Period."</p> <p>This is to comply with Bangko Sentral ng Pilipinas (BSP) Manual of Regulation for Banks, Sec X347 Standby Letters of Credit (See Annex A) under sub item X347.1 (c) to wit "The bank's obligation shall have an expressed expiration date".</p>	<p>This guarantee will expire and shall be returned to the Applicant <u>on [the specific date after twenty eight (28) days beyond the original bid validity period from the Bid submission deadline] or, in any of the cases in (a) or (b) below, whichever comes earlier:</u> (a) if the Applicant is the successful Bidder, upon our receipt of copies of the Contract Agreement signed by the Applicant and the Performance Security issued to the Beneficiary in relation to such Contract Agreement; or (b) if the Applicant is not the successful Bidder, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the bidding process; or (ii) twenty eight (28) days after the end of the Bid Validity Period.</p>
4.	<p>Page No. BF 62-64: Letter of Price Bid</p> <p>Page No. BOQ 6: Bid Price-Summary of Schedules</p>	<p>The Employer shall pay the Bid Price Amount and the Value Added Tax (VAT) including foreign currency portion in compliance with the Exchange of Notes between the Republic of the Philippines and the Government of Japan for OECF-Funded Projects ("Exchange of Notes") subject to the existing Bureau of Internal Revenue (BIR) Revenue Memorandum Circular (RMC) No. 8-2017 dated January 9, 2017. (Please see Attachment No. 01 for Revenue Memorandum Circular (RMC) No. 8-2017) Is our understanding correct?</p>	<p>The Employer shall pay the Bid Price Amount and the Value Added Tax (VAT) for local currency portion. As there is no doubt that Bureau of Internal Revenue (BIR) Revenue Memorandum Circular (RMC) No. 8-2017 dated January 9, 2017 will be observed by the Employer, there is no necessity to add sentences requested by the Bidder in Letter of Price Bid or any other documents.</p>

General Bid Bulletin No.11
Annex "A"

Metro Manila Subway Project Phase 1 PACKAGE CP103 (Anonas and Katipunan)			
ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
		If yes, please revise to insert above sentence "The Employer shall pay ~ dated January 9, 2017." in the Forms of attachment No. 02 and 03, same as on-going NSCR CP01 project.	
Volume IA Bill of Quantities (BOQ)			
5.	Clock and Guidance System Communication and Information System - TS p.20	As per Technical Specifications, Master Clock System is mentioned as part of the interface for other system but it is not reflected in the BOQ provided. Please confirm.	There will be only one master clock for MMSP railway network provided by CP106.
6.	General Bid Bulletin No.9, Annex B, Item No.2	The Bidder would like to clarify that the page number of Bid Index should be BF - 57 instead of BF - 55.	The Bidder's understanding is correct. It should be BF-57
7.	Volume IA Part I Bill of Quantities (BOQ), 2013(9) Drain Pipe Drawings STN-CE-AN-0331/ STN-CE-KP-0327	The Bidder would like to confirm that the Drain Pipe in BOQ Pay Item 2013(9) are the ones shown in Drawings STN-CE-AN-0331 and STN-CE-KP-0327 (Drainage Pipe PVC Diameter 150mm x 2). Otherwise, please inform the correct reference drawings.	The Drain Pipe in BOQ Pay Item 2013(9) are the ones shown in Drawings STN-CE-AN-0331 and STN-CE-KP-0327 (Drainage Pipe PVC Diameter 150mm x 2)
8.	Volume IA Part I Bill of Quantities (BOQ): Station Civil Structure Works - Bill of Quantities 2004(6) Demolition of Diaphragm Wall for Passenger Way, Cut and Cover Tunnel and Ventilation Shaft Station Civil Structure Works - Bill of Quantities 2004(6) Demolition of Diaphragm Wall for Passenger Way,	The Bidder estimated the quantity of demolition of diaphragm wall for passenger way, cut and cover tunnel and ventilation shaft according to drawings STN-CE-AN-0901 to 0902, STN-CE-AN-1101 to 1104, STN-CE-AN-1302 to 1304, STN-CE-AN-1502, STN-CE-AN-1503 to 1508, STN-CE-KP-0501 to 0506, STN-CE-KP-0701 to 0709, STN-CE-KP-0901 to 0902 and STN-CE-KP-1101 to 1102, however, the calculated quantity is much lower than BOQ. The Bidder would like to request the considerations and/ or correct reference drawings	The quantity of demolition of diaphragm wall include the removal quantity of temporary D-wall located between shaft area and standard section area

Metro Manila Subway Project Phase 1 PACKAGE CP103 (Anonas and Katipunan)			
ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
	Cut and Cover Tunnel and Ventilation Shaft	for the quantity of D-Wall demolition in the BOQ.	
9.	Volume IA Part 1: Bill of Quantities (BOQ) Section IV Bidding Form Bill of Quantities (BOQ) Schedule 3 Provisional Sum - PS 3	<p>The amount allocated for this Provisional Sum PS3, Demolition of Structures and Obstruction and Protection, relocation, diversion and/or support and reinstatement of the utilities, if instructed by the Engineer is Php 60M.</p> <p>For confirmation of procedure of payment to the Contractor if the actual cost of Demolition of Structures and Obstruction and Protection, relocation, diversion and/or support and reinstatement of the utilities exceeds the allocated amount of Php 60M and that an extension of time will be granted if such additional work will affect the schedule.</p>	<p>The actual cost of Demolition of Structures and Obstruction and Protection, relocation, diversion and/or support and reinstatement of the utilities exceeding the allocated amount of Php 60M, if any, shall be paid by the Employer to the Contractor.</p> <p>Sub-Clause 8.4 and 13.3 of the Contract apply to all Provisional Sums.</p>
10.	Volume IA Part 1: Bill of Quantities (BOQ) Section IV Bidding Form Bill of Quantities (BOQ) Schedule 3 Provisional Sum - PS 8	<p>The amount allocated in the Provisional Sum is 250M for the expenses to be incurred by the Contractor in providing assistance to the Employer in the acquisition of ROW access.</p> <p>There was no mention in the Bid Documents on the status or progress of ROW acquisition.</p> <p>- May we know the current status of ROW acquisition? - Will the ROW / project alignment be handed over 100% upon award or Commencement Date? - The amount of 250M allocated for the assistance of the Contractor to the Employer. What type assistance are these?</p>	<p>As to the current status of ROW acquisition, Bidders are required to follow Contract Data 2.1 and other applicable Bidding Documents for the purpose of preparing Bids.</p> <p>Sub-Clause 13.5 of the Contract shall be applicable to Provisional Sum items.</p>

General Bid Bulletin No.11
Annex "A"

Metro Manila Subway Project Phase 1 PACKAGE CP103 (Anonas and Katipunan)			
ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
		<p>What other costs that may be included under this Provisional Sum? Will this include payment to property owners?</p> <p>- At what point during the construction will the Employer request for assistance?</p> <p>- Will the Contractor be entitled to extension of time for this PS?</p>	
11.	<p>Volume IA of V PART 1 BIDDING PROCEDURES Section IV Bidding Form Bill of Quantities (BOQ)</p>	<p>BOQ-6 BID PRICE-SUMMARY OF SCHEDULES states that Bid Price shall be exclusive of Value Added Tax (VAT).</p> <p>BF-62 Letter of Price Bid (Form), item c stating the total price of the bid is excluding Value Added tax</p> <p>There was no mention in the Bid Documents on what will be the treatment on VAT for this contract. However, on CP102 Response to Quesries GBB No. 6, it was clarified that the "VAT on local currency portion of the Contract Price will be paid by the Employer to the Contractor against an invoice from the Contractor".</p> <p>Please confirm that the same condition will apply to CP103 Contract.</p>	<p>The Bidder's understanding is correct.</p>
12.	<p>Bill 4B - Part D Building Works - D.1 Structural Works (Katipunan Station)</p>	<p>Pay Item 1047 (2) - Structural Steel, Kindly indicate the specifications and the locations of other items that needed structural steel.</p>	<p>Structural steel specification can be found under Metal structures in TS 1047.2.2</p> <p>Structural steel in Architectural elements is located in secondary structures for dry stone cladding, ceiling supports etc.</p>
13.	<p>BOQ-276/1018(5)d</p>	<p>Pedestrian Bridge Anonas. Pay Item 1018(5)b and d to riser and thread is measured in m, while in</p>	<p>Quantities in Anonas and Katipunan DPWH BOQ are in m2, following the UOM in the Technical Specifications.</p>

Metro Manila Subway Project Phase 1 PACKAGE CP103 (Anonas and Katipunan)																																
ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE																													
	BOQ-281/1018(5)d	Katipunan. Pay Item 1018(5)b and d to riser and thread is measured in m2. Please confirm Unit of measurement.	<p>DPWH BOQ Katipunan:</p> <table border="1"> <tr> <td>1018</td> <td>1018 (5) d</td> <td>to riser</td> <td>m2</td> <td>53.8</td> </tr> <tr> <td>1018</td> <td>1018 (5) b</td> <td>to tread</td> <td>m2</td> <td>227.2</td> </tr> </table> <p>DPWH BOQ Anonas:</p> <table border="1"> <tr> <td>1018</td> <td>1018 (5) d</td> <td>to riser</td> <td>m2</td> <td>30.80</td> </tr> <tr> <td>1018</td> <td>1018 (5) b</td> <td>to tread</td> <td>m2</td> <td>140.00</td> </tr> </table> <p>Technical Specification:</p> <table border="1"> <tr> <td>1018 (5) b</td> <td>250x600x20 mm Jetblack Granite, Flamed Finish - Stair Run/ Tread</td> <td>Square Meter</td> </tr> <tr> <td>1018 (5) c</td> <td>70x600x20 mm Jetblack Granite Anti-slip Chamfered Nosing, Flamed Finish - Stair Nosing</td> <td>Square Meter</td> </tr> <tr> <td>1018 (5) d</td> <td>110x600x20 mm Jetblack Granite, Flamed Finish - Stair Riser</td> <td>Square Meter</td> </tr> </table>	1018	1018 (5) d	to riser	m2	53.8	1018	1018 (5) b	to tread	m2	227.2	1018	1018 (5) d	to riser	m2	30.80	1018	1018 (5) b	to tread	m2	140.00	1018 (5) b	250x600x20 mm Jetblack Granite, Flamed Finish - Stair Run/ Tread	Square Meter	1018 (5) c	70x600x20 mm Jetblack Granite Anti-slip Chamfered Nosing, Flamed Finish - Stair Nosing	Square Meter	1018 (5) d	110x600x20 mm Jetblack Granite, Flamed Finish - Stair Riser	Square Meter
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14.	Pay Item 1032(a) BOQ-263 to 264 (Anonas Station Plaza) BOQ-269 (Katipunan Station Plaza) Paint Finish to walls, columns and piers and structural steel members.	Kindly indicate the locations or plans that needed paint finish.	For Anonas Station it is the assumed finish for CHB Fence inside portion. For Katipunan Station it is the finishes for the pump room, please see SPL-A-PS-KP-2011 and SPL-A-PS-KP-2012.																													
15.	BOQ-268 (Station Plaza Katipunan Station) Waterproofing Works Polyurethane Membrane	Kindly indicate the specifications and the locations or plans for the said pay item.	Please refer to SPL-S-BS-AN-3012 and SPL-S-BS-KP-3012 for Anonas and Katipunan respectively																													
16.	SPL-PB1-A-AN-2014 SPL-PB1-A-KP-2014 Tempered Safety Glass	Please confirm the Specification such as glass thickness, etc for the Tempered Safety Glass of Elevator Enclosure at Pedestrian Bridge of Katipunan and Anonas Station	Kindly refer to TS section 1012.2.2 1) Tempered Glass																													

Volume II Works Requirements Section VI

Metro Manila Subway Project Phase 1 PACKAGE CP103 (Anonas and Katipunan)			
ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE

<i>Works Requirements – General Specification (GS)</i>			
17.	142.TEMPORARY WORKS. Third Party Verifier (TPV) for Temporary work	We could found description of TPV under 142.TEMPORARY WORKS. Do we need to consider TPV ? If Yes, Please provide requirements. Or required for Temporary work only ?	The Contractor shall employ a TPV to check and certify the design of major Temporary Works in accordance with Sub-Clause 142.1 of General Specifications
18.	Volume II PART 2 WORKS REQUIREMENTS Section VI Works Requirements General Specifications (GS)	There is amount under provisional sum which include relocation, diversion and/or support and reinstatement of the utilities which may be instructed by the Engineer. However, there is also possible relocation/ diversion of the existing utilities to be carried out by the Contractor which the Employer have not carried out prior to Commencement of Work and such works will constitute Variation under GCC Clause 13. Please clarify if the relocation works under PS 3 and GS 2.1 are the same. If not, what is the difference between the relocation of utilities under Provisional Sum and the relocation/diversion of the existing utilities under this Section VI which will be treated as Variation? Both seems to be either temporary or permanent relocations.	Employer shall relocate/divert existing utilities prior to Commencement of Work, but there is some possibility still utility is remain on site. Those remaining utility relocation/diversion works is under provisional sum as variation works.
19.	116.4.4 Costs of Employer's and/or	Employer's attendance for Factory acceptance Test.	per diem is included to be provided by the contractor

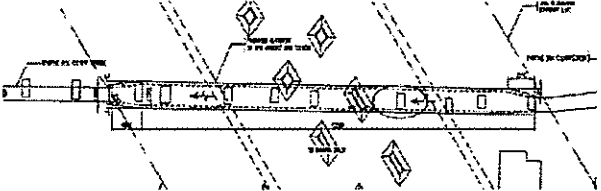
Metro Manila Subway Project Phase 1 PACKAGE CP103 (Anonas and Katipunan)			
ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
	Engineer's Attendance at FAT FAT attendance allowance	Please advice, rate of " pocket (per-diem) allowance per day for a person	
<i>Volume II Works Requirements Section VI Works Requirements – Technical Specification (TS)</i>			
20.	4: Underground Structures Page. 137 Clause 2011.2.2 Table 2011.2.1 Water Tightness Standards Diaphragm Wall Diaphragm wall is being categoraized into Category-A	According to our experience, it is not possible to achive the requirement of Category-A (Free from all visible leakage, seepage and damp pathes) for Diaphragm We, the Contractor, will make the best effort to satisfy with the water tightness standards provided in the Table 2011.2.1 as practicable as possible. However, should it be difficult to achieve them from the aspect of civil engineering technology, alternative technical treatment will be discussed and agreed among the Parties concerned during the execution of the Contract. Please clarify such approach will be agreeable by the Employer..	The water tightness standard applicable to the diaphragm wall shall be Category-A. In case it is not possible to achieve the requirement of Category-A with state-of-the-art technology due to some special ground condition etc., the Employer will consider the Contractor's approach.
21.	Volume II PART 2 WORK REQUIREMENTS Sec VI TS (4. Underground Str) Table 2007.2.2 Concrete exposure category	As per GBB No. 08, dated 11 October 2021, the replacement of Portland cement with fly ash was allowed for Concrete Class F. May we request that fly ash replacement be also allowed for all categories (Class A, B, C and E) for the purposes of controlling temperature rise and temperature differential in massive concrete	Engineer agreed with the contractor proposal. However, all necessary engineer's approval shall be sought prior to executing the work.
22.	Page 183/ TS 2100.14.1 Method of Measurement 2) Tunnel Work b) Production and Installation of Tunnel Segment	Same as the payment of TBM, to reduce the oveburden of negative cashflow of the Contractor, the Bidder proposes the payment schedule to be defined as drafted as below. Please confirm your acceptance.	Payment terms for Pay Item 2100 (4) shall be kept.

Metro Manila Subway Project Phase 1 PACKAGE CP103 (Anonas and Katipunan)			
ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
	Payment shall be made in the interim payment application submitted by the Contractor pursuant to GCC Sub-Clause 14.3 and certified by the Engineer under GCC Sub-Clause 14.6. Payment shall be made in the interim payment application submitted by the Contractor pursuant to GCC Sub-Clause 14.3 and certified by the Engineer under GCC Sub-Clause 14.6.	<p>"Payment for Pay Item 2100 (4) shall be made in the following manner:</p> <p>(i) 80% of the unit price for Pay Item No. 2100(4) shall be paid in the interim payment application submitted by the Contractor pursuant to GCC Sub-Clause 14.3 and certified by the Engineer under GCC Sub-Clause 14.6 upon completion of segment production at a segment factory; and</p> <p>(i) 10% of the unit price for Pay Item No. 2100(4) shall be paid in the interim payment application submitted by the Contractor pursuant to GCC Sub-Clause 14.3 and certified by the Engineer under GCC Sub-Clause 14.6 upon completion of segment delivery at Site; and</p> <p>(iii) Balance 10% of the Lump Sum price shall be paid in the interim payment application submitted by the Contractor pursuant to GCC Sub-Clause 14.3 and certified by the Engineer under GCC Sub-Clause 14.6 upon completion of installation of segment."</p>	
23.	Page 183/ TS 2100.14.1 Method of Measurement 2) Tunnel Work b) Production and Installation of Tunnel Segment Method of Measurement 2) Tunnel Work b) Production and Installation of	<p>Same as the payment of TBM, to reduce the overburden of negative cashflow of the Contractor, the Bidder proposes the payment schedule to be defined as drafted as below. Please confirm your acceptance.</p> <p>"Payment for Pay Item 2100 (4) shall be made in the following manner:</p> <p>(i) 80% of the unit price for Pay Item No. 2100(4)</p>	Payment terms for Pay Item 2100 (4) shall be kept.

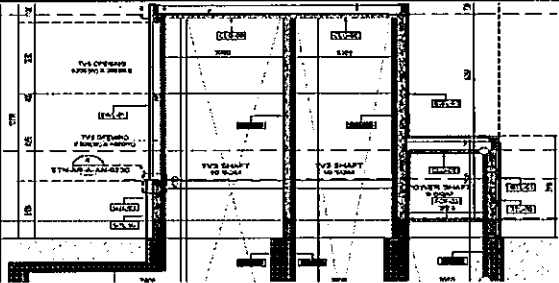
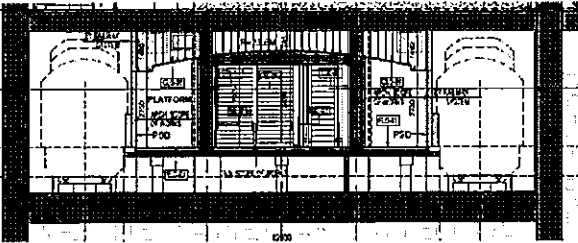
Metro Manila Subway Project Phase 1 PACKAGE CP103 (Anonas and Katipunan)			
ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
	Tunnel Segment Payment shall be made in the interim payment application submitted by the Contractor pursuant to GCC Sub-Clause 14.3 and certified by the Engineer under GCC Sub-Clause 14.6. Payment shall be made in the interim payment application submitted by the Contractor pursuant to GCC Sub-Clause 14.3 and certified by the Engineer under GCC Sub-Clause 14.6.	shall be paid in the interim payment application submitted by the Contractor pursuant to GCC Sub-Clause 14.3 and certified by the Engineer under GCC Sub-Clause 14.6 upon completion of segment production at a segment factory; and (i) 10% of the unit price for Pay Item No. 2100(4) shall be paid in the interim payment application submitted by the Contractor pursuant to GCC Sub-Clause 14.3 and certified by the Engineer under GCC Sub-Clause 14.6 upon completion of segment delivery at Site; and (iii) Balance 10% of the Lump Sum price shall be paid in the interim payment application submitted by the Contractor pursuant to GCC Sub-Clause 14.3 and certified by the Engineer under GCC Sub-Clause 14.6 upon completion of installation of segment."	
24.	Page 551 / Clause 1808.2.1 FVF-01 Anti-static Vinyl tile	Please provide the technical property requirements of Anti-Static Vinyl Tiles such as electrical resistance, thermal conductivity, etc.	The anti static vinyl tiles technical requirements to comply the standard tests specified in TS 1020.1.4 codes and standards such as: ASTM F150 Standard Test Method for Electrical Resistance of Conductive and Static Dissipative Resilient Flooring
25.	Page 375 / TS 1031.2.2 (2)a Noise Barrier Testing Laboratory Accreditation	The specification for acoustical performance of Noise Barrier Panel calls for test conducted in a NVLAP accredited laboratory. The Bidder would like to request if the testing can	Please follow TS which requires testing conducted in NVLAP accredited laboratory.

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		be conducted in laboratory which is accredited by ILAC (International Laboratory Accreditation Cooperation) in which NVLAP is a signatory via Mutual Recognition Arrangement	
26.	<p>GBB-8 Page 30 of 76 Item No. 78 Cement plaster finish No pay item for the rubbed concrete finish at the walls.</p>	<p>The response in GBB 8 Item 78 was "Rubbed concrete finish refers to Cement Plaster finish, which is identified in pay item 1027 (5) and TS 1027".</p> <p>However, Pay Item 1027 (5) refers to Rubbed concrete finish which is under Ceiling finishes.</p> <p>Therefore, the bidder understands that rubbed concrete finish is not required for all exposed wall surface. Please confirm if the Bidder's understanding is correct.</p>	No. Cement plaster finish is required for all exposed wall surface. Refer Pay item 1027 (1).
27.	<p>Volume II PART 2: WORK REQUIREMENTS Section VI: Technical Spedification (TS) 2007.2.1 - Concrete Requirements 2) (c) Category 3 - Diaphragm Wall 3) Concrete components</p>	<p>As per Table 2007.2.1 Concrete class properties of D-wall (Class B)</p> <ol style="list-style-type: none"> 1. Design Concrete Strenght (MPa) = 40 2. Minimum cement content = 350kg/m³ 3. Cementitious Material = OPC 4. Minimum Water -Cement Ration = 0.5 5. Slump Requirements (mm) = 180±25 6. Maximum size of Course Aggregate (mm) = 20 <p>As per 2007.2.3, Item 4) OPC: "Cement shall be OPC complying with ASTM C 150. Other cements shall only be used with approved by the Engineer."</p> <p>Can OPC + PFA = 350kg/m³ in Diaphragm Wall</p>	OPC + PFA = minimum 350kg/m ³ in Diaphragm Wall Concrete is applicable. However, the Contractor shall need to seek approval from The Engineer prior to executing the work.

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28.	P2_S(VI)_(WR)_6(TS_PB)_30Sep2020 Section 2324 Machine Roomless Elevator Lift Car Finish Elevator Car in Pedestrian Bridge	Concrete is applicable? As per specification 2324 elevator car in Pedestrian Bridge shall be stainless steel hairline finish as per manufacturer (with 1 hour fire rating). Please confirm if employer requires the lifts in pedestrian bridge to be Glass Car finish as specified in 'MEP Technical Specification Section 1203 Elevator'	Pedestrian Bridge elevator is a glass elevator as specified in MEP TS44
29.	Vol. II , Sec.VI Technical Specification MEP Mock up MEP components	As per Architectural TS C01.3 Item 5) Mock up requirements " include at least.. Other required mechanical and electrical equipment, light fittings, signage, etc." . Please confirm our understanding that MEP components will only involve exposed fittings like air grilles, power outlets, light fixtures, floor drains and other similar items.	For Mechanical concern contractor's interpretation is not correct. Contractor need to consider MEP requirement for Mock Up, as this is case to case basis as shown in the Tech. Specs (Example: Section 1233.1.5 of the Tech. Specs). For Plumbing & Fire Protection refer to Architectural TS section Mock up requirements (d) Building Elements/Components subject to Mock-ups. "Mock-up installations with all is a basic requirement upon the discretion of the engineer/consultant"
30.	Volume II Part 2 Technical Specification (TS) 4: Underground Structures Section 2003.3 Method of Measurement for Excavation and Backfilling at Entrance and Ventilation Shafts/ Ducts	The Bidder would like to request the Employer to elaborate the method of measurement for excavation and backfilling at entrance and ventilation shafts/ ducts. It is mentioned in TS 2003.3.1 2) (b) that "the quantity shall be measured geometrically in cubic meter of the work". It is the Bidder's understanding that the volume of excavation will be measured from the existing ground level to the bottom of Lean Concrete and the vertical plane shall be the perimeter of the	Please refer to Attachment of GBB No.10

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ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
		base of the structure. Following the Bidder's understanding, the quantity in the BOQ is much higher than our calculation. To enable the Bidder to submit a competitive proposal, we would like to request the Employer to confirm our understanding of the Method of Measurement. If Bidder's interpretation is correct, please provide the correct quantity in the BOQ. Otherwise, please explain the calculation method.	
Volume III Part2: Works Requirements Works Requirements – Employer's Drawings (DRW)			
31.	8_CP103_P2_S(VI)_(WR)_6(ED)_3Mar2021_07_Civil_RCBC Page CR-CE-A-002 ANONAS STATION GENERAL PLAN AND ELEVATION (NEW RCBC)	May we clarify if this is still part of our scope? If yes, kindly provide details. 	This is scope of CP103. The drawings is only reference. please plan according to Volume II PART 2 WORKS REQUIREMENTS Section VI Works Requirements Technical Specifications (TS)2013 Drainage and Water 2013.2 Surface Drainage
32.	GBB-8	Related to above, please confirm that all walls with WL-00 shall be cement plastered finish and acrylic water based paint (Ex: Ref. Dwg. STN-AR-AN-6036).	No. WL-00 refers to 'no wall finish' which is exposed concrete finish as per list of materials in drawing 0501 No. Refer to finishes schedule (0501), for wall/ceiling/floor finishes provided in each room, If no finish tag provided in the sections.

Metro Manila Subway Project Phase 1
PACKAGE CP103 (Anonas and Katipunan)

ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
		 <p>If WL-00 is not indicated, we assumed the wall to be exposed concrete finish. (Ex. Ref. Dwg. STN-AR-A-AN-1602). Please confirm</p> 	
33.	14 / Arch_PB / SPL-PB1-A-AN-2014,SPL-PB2-A-KP-2014 Ramp Finish	At SPL-PB1-A-AN-2014 ANONAS STATION PEDESTRIAN BRIDGE 1 ELEVATOR TYPICAL DETAILS <A-ELEVATOR PLAN> and SPL-PB2-A-KP-2014 KATIPUNAN AVENUE STATION PEDESTRIAN BRIDGE 2 ELEVATOR TYPICAL DETAILS <A-ELEVATOR PLAN>, may we assume the finish of the ramp to be Concrete Steel Trowel?	Plain Cement Finish is considered for elevator ramps.
34.	14 / Arch_PB / SPL-PB1-A-AN-2007,SPL-PB1-A-KP-2011-2014, SPL-PB2-A-KP-2005	At Pedestrian Bridge Roof, may we assume the thickness of the Polycarbonate Panel Skylight to be t=3.0mm?	Thickness of Polycarbonate panel skylight is 6mm.

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Metro Manila Subway Project Phase 1 PACKAGE CP103 (Anonas and Katipunan)			
ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
	Skylight thickness		
35.	Fiber reinforced asphalt emulsion & Polyethelene sheet	At Bill of Quantities, Fiber reinforced asphalt emulsion and Polyethelene sheet; 6mil is indicated under Pedestrian Bridge of Anonas and Katipunan Station. Please provide their construction range.	Allowance only. For asphalt emulsion to footing and Polyethelene Sheet on the underside of footing on top of the compacted gravel course.
36.	20 / Ped_AN / SPL-PB1-A-AN-2014 Tempered Safety Glass	At SPL-PB1-A-AN-2014 ANONAS STATION PEDESTRIAN BRIDGE 1 ELEVATOR TYPICAL DETAILS, may we assume that Tempered Safety Glass is under Mechanical Works (Elevator Work)?	Yes, it shall be considered in Elevator finish under Mechanical Works.
37.	21 / Ped_KP / SPL-PB1-A-KP-2026 RC Column and Beam Finish	At SPL-PB1-A-KP-2026 KATIPUNAN AVENUE STATION PEDESTRIAN BRIDGE 1 SECTION SHEET 7 of 7, the finish for RC Column and Beams are not indicated, may we use Elastomeric Paint?	Approved Dirt Resisting Latex Paint
38.	PEDESTRIAN BRIDGE 1 (KATIPUNAN) Wire Mesh Framed angle bar	At Bill of Quantities, Wire Mesh Framed angle bar is indicated but no where to be found in drawing plan, please provide construction range.	Please refer to SPL-PB1-A-KP-2032 .
39.	20 / Ped_KP / SPL-PB1-A-KP-2014 Tempered Safety Glass	At SPL-PB1-A-KP-2014 KATIPUNAN AVENUE STATION PEDESTRIAN BRIDGE 2 ELEVATOR TYPICAL DETAILS, may we assume that Tempered Safety Glass is under Mechanical Works (Elevator Work)?	Yes, it shall be considered in Elevator finish under Mechanical Works.
40.	14 / Arch_PB / SPL-PB1-A-AN-2013,SPL-PB1-A-KP-2032, SPL-PB2-A-KP-2013 Raised Floor Finish	At SPL-PB1-A-AN-2013 ANONAS STATION PEDESTRIAN BRIDGE 1 EE ROOM TYPICAL DETAILS <A-PARTIAL ENLARGED PLAN>, SPL-PB1-A-KP-2032 KATIPUNAN AVENUE STATION PEDESTRIAN BRIDGE 1 EE ROOM TYPICAL DETAILS and SPL-PB2-A-KP-2013 KATIPUNAN AVENUE STATION PEDESTRIAN BRIDGE 2 EE ROOM TYPICAL DETAILS < A-PARTIAL ENLARGED PLAN>, may we assume	Yes. Floor:Concrete Steel Trowel Riser:Exposed Concrete H=150

Metro Manila Subway Project Phase 1 PACKAGE CP103 (Anonas and Katipunan)			
ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
		<p>the Raised Floor finish to be as follows:</p> <p>Floor:Concrete Steel Trowel Riser:Exposed Concrete H=150</p>	
41.	<p>20 / Ped_AN / SPL-PB1-A-AN-2006, SPL-PB1-A-AN-2009 Roof detail</p>	<p>At Pedestrian Bridge 1,the Roof (Grid B1-B2/1-1') detail differs as follows, SPL-PB1-A-AN-2006 ANONAS STATION PEDESTRIAN BRIDGE 1 ELEVATIONS - SHEET 1 OF 2</p> <p>SPL-PB1-A-AN-2009 ANONAS STATION PEDESTRIAN BRIDGE 1 SECTIONS - SHEET 2 OF 2</p> <p>May we assume the one indicated in SPL-PB1-A-AN-2009 ANONAS STATION PEDESTRIAN BRIDGE 1 ELEVATIONS - SHEET 1 OF 2 to be correct?</p>	<p>Both Sheets are correct. Kindly refer to plans and sections.</p>
<i>Volume IV Part3: Conditions of Contract and Contract Forms</i>			
42.	<p>Vol. IV , Sec.VIII Particular Conditions; Attachment 1, Schedule of Key Dates Incoming Utility - Power and Water</p>	<p>Incoming Utility Services. Please provide dates in Week No. (per tender schedule format) related to power receiving and utility water receiving.</p> <p>This information to be used for planning and scheduling of Testing and Commissioning scope of the project.</p>	<p>The contractor/bidder shall refer to Technical Specification under Construction Management page 25 Item number 4 entitled The Construction and Installation Management Plan shall be configured as a family of "stand-alone" plans and associated documents each covering one of the subjects listed below.</p> <p>The plans shall be coordinated with each other and shall collectively define, describe and encompass the Contractor's proposed methods, sequencing of activities, etc. and shall show how these combine together to assure that then works truly meet the requirements of the Specification in respect of the subjects listed.</p>

Metro Manila Subway Project Phase 1 PACKAGE CP103 (Anonas and Katipunan)			
ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
43.	Volume V Relevant Information Geotechnical Survey Data: D. Labo Test F. Mohr-Coulomb H. Permeability TF J. Borehole Scanning K. Borehole Roughness	Bidder would like to request the Employer to kindly provide Test Results from IS-66 to IS-76 under the following Geotechnical Survey Data: D. Labo Test F. Mohr-Coulomb H. Permeability TF J. Borehole Scanning K. Borehole Roughness	Please refer to GBB No.10 Attachment.
44.	Volume V Relevant Information Geotechnical Survey Data: E. UCT Result G. Ultra Sonic Pulse I. Permeability TDS	Bidder would like to request the Employer to kindly provide all Test Results for CP103 under the following Geotechnical Survey Data: E. UCT Result G. Ultra Sonic Pulse I. Permeability TDS	Please refer to GBB No.10 Attachment.

Metro Manila Subway Project Phase 1 PACKAGE CP103 (Anonas and Katipunan)		
ITEM NO.	REFERENCE CLAUSE/SECTION	ADDENDUM No. 11

<i>Volume I Part1: 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.

<i>Volume II Part 2: Works Requirements >> Section VI Works Requirements Employer's Drawings</i>		
No.	Reference	Corrected, Supplemented or Modified
1.	No. UT-CE-KP- 0001~0002, 0004~0009	Amend construction yard to include station entrance and access gate
2.	No. CW-CE-KP-1003~100 5, 1007~1008, 1013, 1016~1017	Amend construction yard to include station entrance and access gate

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 above 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

PACKAGE CP103 (Anonas and Katipunan)

Section IV Bidding Forms

EQC-2

i) Mechanical, Electrical and Plumbing Manager	10	at least one similar experience	5
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Technical Bid: Contents No. 7.4

MAJOR PLANT AND EQUIPMENT INTENDED TO BE MOBILIZED AT SITE

Form EQU: Equipment

[insert day, month, year]

Bidder's Legal Name: [insert full name]

Joint Venture Party Legal Name: [insert full name]

IFB No. [insert number]

Page [insert page number] of [insert total number] page

[The Bidder shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key equipment listed in Section III, Evaluation and Qualification Criteria, Clause 1.1.2. A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Bidder.]

Item of equipment		
Equipment information	Name of manufacturer	Model and power rating
	Capacity	Year of manufacture
Current status	Current location	
	Details of current commitments	
Source	Indicate source of the equipment <input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased <input type="checkbox"/> Specially manufactured	

Omit the following information for equipment owned by the Bidder.

Owner	Name of owner	
	Address of owner	
	Telephone	Contact name and title
	Fax	Telex
Agreements	Details of rental / lease / manufacture agreements specific to the project	