

ANNEX "A"

Responses to Clarification Requests (Batch 8) General Bid Bulletin No. 19

**MALOLOS-CLARK RAILWAY PROJECT (BLUMENTRITT EXTENSION) AND SOUTH
COMMUTER RAILWAY PROJECT for PACKAGES CP S-01 AND CPS-02; CONSTRUCTION OF
CIVIL STRUCTURES: VIADUCTS, BRIDGES AND FOUR STATIONS**

CP S01-02 Responses to Bid Requests (Batch 8)

No.	Packages	Volume	Section	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response
1	S-01	SCRIP_Volume 2 Part 2	Section IC TS 700 Electrical 20200918 CP S-01_03_BLU_EL	TS700 - 118 to 128 NSRP-DWG-BLU-EL-5801 to 5802	Building Management System BMS Diagram BMS Input/Output List		BMS Specification states that BMS has i. Centralized Monitoring and Control ii. Energy Management on Ventilation Fans, whereas Plans BMS Input/Output List states Fault Alarm only. Please confirm which will prevail.	The Building Management System (BMS) is a computer-based control system that monitors and controls the building's mechanical and electrical equipment such as ventilation, air-conditioning, lighting, power supply system, fire detection and alarm systems (FDAS), fire protection systems (FPS), security systems, etc. It shall be clear that the requirement is for the automated monitoring and control of various systems and/or subsystems defined as per requirements of the project. The BMS specialist shall validate with the mechanical engineering design team for the BMS interface and/or the integration of mechanical systems such as air-conditioning and ventilation. Also, refer to Notes indicated for the BMS
2	S-01	SCRIP_Volume 2 Part 2	Section IC TS 700 Electrical 20200918 CP S-01_03_BLU_EL	TS700 - 118 to 128 NSRP-DWG-BLU-EL-5801 to 5802	Building Management System BMS Diagram BMS Input/Output List		BMS Specification states that BMS has i. Centralized Monitoring and Control ii. Energy Management on Air Conditioning Units, whereas Plans BMS Input/Output List states Fault Alarm only. Please confirm which will prevail.	The Building Management System (BMS) is a computer-based control system that monitors and controls the building's mechanical and electrical equipment such as ventilation, air-conditioning, lighting, power supply system, fire detection and alarm systems (FDAS), fire protection systems (FPS), security systems, etc. It shall be clear that the requirement is for the automated monitoring and control of various systems and/or subsystems defined as per requirements of the project. The BMS specialist shall validate with the mechanical engineering design team for the BMS interface and/or the integration of mechanical systems such as air-conditioning and ventilation. Also, refer to Notes indicated for the BMS
3	S-02	NSRP-DWG-ATG-ST-2200					In accordance with the provided drawing as shown, working space for U-type retaining wall is not sufficient. Even though the construction shall be implemented within the limited time, it is hard to execute the work especially earthwork and formwork in the location complying with the Employer's requirement. In this regard, please clarify the interpretation of bidder is correct and advise any recommended methodology for the works (if any).	There is 1m space between PNR construction gage and retaining wall. The bidder is expected to carry out works in this area during non operational hours for any restricted activities in the railway safety zone. The construction method, including excavation, formwork and etc. shall be responsibility of the Contractor and being subject to PNR and Engineer's approval
4	S-02	General Bid Bulletin No.9		29	Responses to Clarification Request (Batch 2) No.206	Bidder is advised as follows: The Works design is Detailed Design and the Bills of Quantities have been measured to reflect the Detailed Design. This means that with limited exclusions there will be no reason to re-measure the Works. Ad measurement is the measurement of change from the Detailed Design to the revised designs as instructed. This will not require wholesale re-measurement.	Further to Responses to Clarification Request, for clarity, please clarify that during the execution of the Works, in case there are variances (more or less) between the quantities given in the Bill of Quantities and those calculated on Detailed Design, i.e. Works Design (not revised and same it is now), what ones are governing for the Payment? The Bidder understand such variances will be measured and paid for based on actual quantities of work executed in conformity with the specifications and the drawings afterward, irrespective of whether the drawings were changed or not. Please confirm the Bidder's understanding is correct.	"The quantities in the BOQ are accurate and measured from Detailed Design. Admeasurement is the measurement of change from Detailed Design to revised Detailed Design and /or Variations as instructed by the Engineer. Further, any obvious errors detected in quantification in the BOQ shall, subject to the agreement of the Engineer, be re-measured and corrected. The Contractor is not expected to take the risk of errors in quantities. Bidder is advised that PCC Clause 1.1.6.12 related to ad-measurement definition will be removed in Addendum 3."
5	S-02	General Bid Bulletin No.11		17	Responses to Clarification Request (Batch 2) No.117	The quantities in the BOQ have been measured from the drawings which are at "detailed design" stage. As a result the quantities are accurate and not estimated, and will not need to be re-measured. The Contract has been modified to "Ad measurement" i.e. measurement of changes in design.	Further to Responses to Clarification Request, for clarity, please clarify that during the execution of the Works, in case there are variances (more or less) between the quantities given in the Bill of Quantities and those calculated on Detailed Design, i.e. Works Design (not revised and same it is now), what ones are governing for the Payment? The Bidder understand such variances will be measured and paid for based on actual quantities of work executed in conformity with the specifications and the drawings afterward, irrespective of whether the drawings were changed or not. Please confirm the Bidder's understanding is correct.	"The quantities in the BOQ are accurate and measured from Detailed Design. Admeasurement is the measurement of change from Detailed Design to revised Detailed Design and /or Variations as instructed by the Engineer. Further, any obvious errors detected in quantification in the BOQ shall, subject to the agreement of the Engineer, be re-measured and corrected. The Contractor is not expected to take the risk of errors in quantities. Bidder is advised that PCC Clause 1.1.6.12 related to ad-measurement definition will be removed in Addendum 3."
6	ALL	General Bid Bulletin No. 9 ANNEX "A" Responses to Clarification Requests (Batch 2)		31-Aug	Clarification No. 64	Employer will review and accept the experience if the proposed project is similar or better in terms of nature of works, complexity, methods, technology or other characteristics. Subject to the Employer's acceptance, the Bidder shall submit sufficient supporting documents to justify their construction capacity on the construction of steel box girder bridge if the Bidder's experience is different from the specified box girder requirement.	Since the review and acceptance of the related reference will be after the tender submission, it should be clear for the Potential Bidders to acknowledge whether the related reference will be acceptable or not before the tender submission. Referring to mentioned response, it is not certain that the references for incremental launching of steel twin girder bridge with composite section total length more than 50m, will be acceptable by the Client. Considering the market condition, the number of the specialist subcontractors for steel box girder bridges with incremental launching method is very limited and that allow them to increase their price proposal for the project. Thus, the price proposals of the Potential Bidders are also increasing and moving away from the competitive proposal. In order to create a competitive environment, we kindly request you to accept the references for steel twin girder bridge composed of 1 steel beams and reinforced concrete deck slab on it. • total length of more than 50m • incremental launching method with using strand jacks. • multiple spans (more than 1 span) • where the arrangement of items such as position of strand jack with respect to steel beam and position of hauling beam with respect to steel beam, may be different from tender drawings.	Based on the information provided by the Bidder in the clarification request, the project could be considered to comply with requirement. However, Bidder shall provide all necessary supporting documents together with their Bid, for Employer to further review and assess the qualification requirement.

CF S01-02 Responses to Bid Requests (Batch 8)

No.	Packages	Volume	Section	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response
7	ALL	General Bid Bulletin No. 9 ANNEX 'A' Responses to Clarification Requests (Batch 2)		31-Aug	Clarification No. 65	Employer will review and accept the experience if the proposed project is similar or better in terms of nature of works, complexity, methods, technology or other characteristics. Subject to the Employer's acceptance, the Bidder shall submit sufficient supporting documents to justify their construction capacity on the construction of steel box girder bridge if the Bidder's experience is different from the specified box girder requirement.	Since the review and acceptance of the related reference will be after the tender submission, it should be clear for the Potential Bidders to acknowledge whether the related reference will be acceptable or not before the tender submission. Referring to mentioned response, it is not certain that the references for steel cable-stayed bridge with a minimum span length of 100m will be acceptable by the Client. Considering the market condition, the number of the specialist subcontractors for steel box girder bridges with incremental launching method is very limited and that allows to increase their price proposal for the project. Thus, the price proposals of the Potential Bidders are also increasing and moving away from the competitive proposal. In order to create a competitive environment, we kindly request you to accept the references for steel cable-stayed bridge with a minimum span length 100m by taking into account their similarities in terms of nature and complexity of the works.	Please note that the requirement of steel girder bridge shall be constructed using incremental launching method for CF S-01 as stated in IQC 2.4.2.
8		Volume 2	Section 6 - BB General Specification	20/16	104.1.4	Medical Facilities If they shall be provided with an ambulance(s) with full-time drivers as detailed in Appendix 5 hereto.	The detail of ambulance(s) has not been provided in Appendix 5. We kindly request you to provide the details of ambulance(s).	Revisions shall be made to GS to remove reference to Appendix 5 (Addendum 4). The bidder shall propose details/specifications of ambulance(s) in consideration of best practices and applicable laws/standards/regulations for the Engineer's approval upon commencement of works. (GCR 2021/04/29)
9	ALL	Volume 1	Section 3 - Evaluation and Qualification Criteria	EQC 26	2.4.2 Construction Experience in Key Activities	1. Construction of steel box girder bridge of at least 50m length in a single contract.	In order to create more competitive bidding conditions for potential bidders, we kindly request you to accept steel bridge with the characteristics below for the subject requirement. Cross section: Three-cell steel box girder with orthotropic deck Bridge type: Cable-stayed bridge Construction methodology: Segmental bridge with lifting frame The bridge length: A minimum span length of 100m The Bidder understands that this kind of bridge is also in similar nature and complexity with the mentioned requirement. Kindly need for your confirmation.	Based on the information provided by the Bidder in the clarification request, the project could be considered to comply with requirement. However, Bidder shall provide all necessary supporting documents together with their Bid, for Employer to further review and assess the qualification requirement.
10	ALL	Volume 1	Section 3 - Evaluation and Qualification Criteria	EQC 27	2.4.2 Construction Experience in Key Activities	1. Construction of steel box girder bridge of at least 50m length in a single contract using incremental launching method	In order to create more competitive bidding conditions for potential bidders, we kindly request you to accept bridge with the characteristics below for the subject requirement. Cross section: Single-cell reinforced concrete box girder of variable height, with cantilevers supported by pre-cast reinforced-concrete struts. Construction methodology: Incremental launching of segments Deck: Prestressed concrete with transversal post tensioning Span length: Varies between 32m and 46m < 50m but. Total bridge length with incremental launching method is more than 30m which is more than 50m as stated in the requirement. The Bidder understands that this kind of bridge is also in similar nature and complexity with the mentioned requirement. Kindly need for your confirmation.	The Employer cannot accept using reinforced concrete bridge to satisfy the requirement for steel box girder bridge
11	ALL	Volume 1	Section 2 - Bid Data Sheet	BDS 5	ITB 21.1 (b)	D. Submission and Opening of Bids	In similar international tenders, due to the COVID-19 pandemic, travel restrictions and quarantine process imposed, tenders are requested to be submitted electronically instead of hard copy and post tender clarifications are accepted as hard copies. Therefore, we kindly request the tender submission to be accepted electronically, as in similar international tenders. On the other hand, under current circumstances the delivery of original tender submissions seems almost not possible. Therefore we kindly request you to accept the scanned copies instead of original hard copies, in case electronic submission is not accepted.	Physical submission of the Bid is required.
12	ALL	Volume 3	Section 8 Particular Conditions of Contract	PCC 3	Clause 1.1.3.7	Warranty Period, Defect Liability Period, Defect Notification Period	what's the meaning of E&M works?	E&M Contract refers to the separate Railway System Wide Contract
13	ALL	Volume 3	Section 8 Particular Conditions of Contract	PCC 15	Clause 8.1	Commencement of Work Delete sub-paragraph 8.1 (d).	The Bidder understands that the Employer has not set the payment of advance a prerequisite for the commencement of the Works. The Bidder cannot possibly conceive the real intention behind this initiative, and it kindly requests the Employer to clarify for all bidders how the advance payment will be secured and paid to the Contractor upon the submission of the concerning bank guarantee letter as prescribed under the Contract. The Bidder would like to be certain that no delay occurs when the Employer receives the said bank guarantee letter from the Contractor and the Employer transfers the amount to the Contractor's bank account to avoid any cash flow issue for the Contractor to properly discharge its obligations under the Contract.	The Employer intends to commence the Works as soon as possible. As the process for securing advance payment security will take time, the Employer has removed subclause 8.1 (d). Payment of the Advance will be made in accordance with GCC clause 14.2. Bidder is referred to Addendum 4 containing further information regarding Advance Payment


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14	ALL	General Bid Bulletin No. 16		13-May	Clarification No. 30	<p>Clarification Request No.30: Referring to mentioned response, please clarify whether the Representative will be leader of Joint Venture or nominated person by the Joint Venture.</p> <p>Final Response: Please refer to ITB 4.1 (b)</p>	We would like you to explain whether the representative will be a human being or a company.	The Representative shall be a person.
15	S-02	GBB 13 - Annex A, items 49 and 50					<p>Clarification items 49 and 50 refer to the demolition of existing PNR bridge over the Pasig River and its pile caps foundations being scope of works to be done by other prior to the commencement of the Works.</p> <p>The bidder refers to the statement in the GBB "All other portions of the Bidding Documents affected by these revisions amendments and/or clarifications shall be made to conform to the same" noting that each GBB supersedes relevant prior Bidding Documents.</p> <p>The Bidder notes that the BOQ issued under GBB14 still includes PS-09. Please confirm if items 49 and 50 of GBB13 is intended to supersede the PS-09 introduced in GBB 008 ADDENDUM 1 for the demolition these works so that PS-09 no longer applies, if so, please amend the BOQ accordingly.</p>	<p>The Bidder is advised that Demolition of Existing PNR Bridge in Pasig River shall be covered by the Bill No. 8 - Provisional Sum, under Item No. PS-9.</p> <p>The Bidder is further advised that Addendum 4 shall supersede other previous bid document issuances.</p>
16	S-02	GBB 13 - items 44 and item 64					<p>Clarification items 44 and 64, item 64 refers the bidder is not required to execute PNR works, please, confirm that the response also apply to S-02, even for the Stage 2 that will be needed to carry on the execution of the works at Paoo Station.</p> <p>Further more, in our understanding, it does not exist any way to reflect this work via BOQ or P.S. Please advise how this work is to be recorded in the cost.</p>	The Bidder is advised to refer to the revised / updated BOQ, Bill No. 8, PS-15 - for the PNR Track Modifications for Temporary Single-Track Operation during the NSRP-South Line Construction. The revised / updated BOQ shall be issued as Addendum 4 and shall supersede previous bid document issuances.
17	S-02	2.6 S-02 Volume 2	Section 60/ Equipment 200930				<p>Clarification on the Equipment Requirements for S-02, Precast Production Facilities. It is our understanding that precast production facilities are composed of different elements as: moulds, lifting equipment, etc, which are also included in the list of equipment requirements, "Could you please clarify what elements should we include as part of the Precast Production facilities?"</p>	It shall be Bidder's responsibility to provide list of relevant equipment/plant which the bidder shall consider to require for precast production for Employer's evaluation. The list provided in Section 6 shall serve as indicative only.
18	S-01	SCRIP_Volume 2 Part 2	Section IC TS 200 Bridges and Viaduct 200918		206/7.8.6 Thermal modeling		<p>Have the prestressing schedule for hardening concrete properties required for thermal modeling been considered in the work program? Which software does the Bidder use for thermal modelling?</p>	The contractor shall submit a pre-testing schedule for hardening concrete properties including the contractor's software for thermal modelling with the approval of the engineer on site.
19	S-01	Volume 2	Section 6 Drawings	59	Volume 2, Book 2, CP S-01_03_BLU_EL.pdf	Station Fire Detection and Alarm System Schematic drawings	<p>There are several UPSs on different system schematic drawings. Are BMS and CCTV, Fire Alarm system UPSs apart from main station UPSs (LP UPSs)? Do separate UPSs to be installed for these systems or can we back up the those systems from main station UPSs (LP UPSs)?</p>	Critical power supply system for these mentioned auxiliary systems is centralized and fed from LP UPS. For LPS load schedule, Refer to NSRP-DWG-BLU-EL-5504 rev.21. For FDAS and BMS diagram, refer to NSRP-DWG-BLU-EL-5701/S801 Rev 21.3
20	S-01	Volume 2	Section 6 General Specification		APPENDIX 4 CONTRACTOR'S INTERFACE COORDINATION WITH OTHERS	Fix or Construction CP S-01 to S-07	<p>According to the Detailed Interface Matrix (DIM), some of the "Material supply" & "Fix or Construction" of interface items are CP S-01 scope of work. However, there is no information about the quantities, size and location of these interface items. Is it possible for these items to be paid under Provisional Sum or Day Work?</p>	Please refer to the updated BOQ, Bill No. 8, Item No. PS-11 for the Interface Works (Physical construction interface works including but not limited to OCS Pole Foundations). Please also refer to the Bill No. 1, Item No. GS126 for the Time related charges for Interface Management, Coordination and Communication. Updated BOQ shall be issued as Addendum 4. The Bidder is also advised to refer to the General Specifications, Section GS126 and to the other related contract documents pertaining to the Interface Works.
21	S-01	Volume 2	Section 6 - IC Technical Specification TS 200 - Bridges and Viaducts	TS200 - 65	204.4.12	<p>The Contractor shall install access tubes for CSL testing in all bored piles, except as otherwise noted, to permit access for the CSL test probes.</p>	<p>Specification Item 204.4.12 specify installing access tubes for CSL testing in all bored piles. We would like to confirm if we could just follow quantities define in the BOQ?</p>	The contractor is advised to adhere to the Technical Specifications, TS 200, Section 204, Clause 204.4.12 - Cross Hole Sonic Logging Testing - which specifies installation of access tubes for CSL in all bored piles.
22	S-01	Volume 2	Section 6 IB General Specification		GS 108 Site Offices for Employer & the Engineer	<p>108.2 Vehicles and Motorcycles for the Engineer's Inspectors The Contractor shall provide SUV type vehicles and motorcycles inclusive of servicing for the exclusive use of the Employer's and Engineer's staff at all times. The quantity, and type of these vehicles are listed in Appendix 5 hereto. Each of the supplied vehicles shall be substituted with a replacement vehicle when the vehicle reaches a mileage of 100,000km or is two years old whichever occurs first.</p>	<p>According to first paragraph of GS 108.2 , Please confirm the 100,000km to be revised as 100,000kms.</p>	It is confirmed 100,000kms. Bidder is referred to Addendum 3.
23	S-02	Volume 1A	Section 4A Bill of Quantities				<p>Section 2.2.8 of Scope of Work suggests that the existing PNR Pasig River Bridge across Pasig River will be demolished by PNR prior to commencement of CP S-02 works. Also, the Bidder refers to Employer's General Bid Bulletin No. 13, the Employer clarified as "The existing PNR bridge including pile caps shall be demolished by others prior to the commencement of the Works" in the response no. 50, 53 and 59. However, the Employer's General Bid Bulletin No. 8 Provisional Sum item PS-11 (later changed to item PS-9 via Employer's General Bid Bulletin No. 14) reads as "Demolition of Existing PNR bridge in Pasig River". Please confirm that the Bidder's scope does not include any works regarding demolition and clearance of the existing Pasig River Bridge as per Employer's responses in Employer's General Bid Bulletin No. 13, and this Provisional Sum item in the Bill of Quantities is not applicable and is to be ignored.</p>	<p>The Bidder is advised that Demolition of Existing PNR Bridge in Pasig River shall be covered by the Bill No. 8 - Provisional Sum, under Item No. PS-9.</p> <p>The Bidder is further advised that Addendum 4 shall supersede other previous bid document issuances.</p>
24	S-02	Volume 2	Section 6	59	Volume 2, Book 2, CP S-01_03_BLU_EL.pdf	Station Fire Detection and Alarm System Schematic drawings	<p>There are several UPSs on different system schematic drawings. Are BMS and CCTV, Fire Alarm system UPSs apart from main station UPSs (LP UPSs)? Do separate UPSs to be installed for these systems or can we back up the those systems from main station UPSs (LP UPSs)?</p>	Critical power supply system for these mentioned auxiliary systems is centralized and fed from LP UPS. For LPS load schedule, Refer to NSRP-DWG-BLU-EL-5504 rev.21. For FDAS and BMS diagram, refer to NSRP-DWG-BLU-EL-5701/S801 Rev 21.3

CP S01-02 Responses to Bid Requests (Batch 8)

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25	S-02	Volume 2	Section 6 General Specification		APPENDIX 4 CONTRACTOR'S INTERFACE COORDINATION WITH OTHERS	Fix or Construction CP S-01 to S-07	According to the Detailed Interface Matrix (DIM), some of the "Material supply" & "Fix or Construction" of interface items are CP S-01 scope of work. However, there is no information about the quantities, size and location of these interface items. Is it possible for these items to be paid under Provisional Sum or Day Work?	Please refer to the updated BOQ, Bill No. 8, Item No. PS-11 for the Interface Works (Physical construction interface works including but not limited to OCS Pole Foundations). Please also refer to the Bill No. 1, Item No. GS126 for the Time related charges for Interface Management, Coordination and Communication. Updated BOQ shall be issued as Addendum 4. The Bidder is also advised to refer to the General Specifications, Section GS126 and to the other related contract documents pertaining to the Interface Works.															
26	S-02	Volume 2	Section 6 - IC Technical Specification TS 200 - Bridges and Viaducts	TS200 - 65	204.4.12	The Contractor shall install access tubes for CSL testing in all bored piles, except as otherwise noted, to permit access for the CSL test probe.	Specification item 204.4.12 specify installing access tubes for CSL testing in all bored piles. We would like to confirm if we could just follow quantities define in the BOQ?	The contractor is advised to adhere to the Technical Specifications, TS 200, Section 204, Clause 204.4.12 - Cross Hole Sonic Logging Testing - which specifies installation of access tubes for CSL in all bored piles.															
27	S-02	Volume 2	Section 5 IB General Specification		GS 108 Site Offices for Employer & the Engineer	108.2 Vehicles and Motorcycles for the Engineer's Inspectors The Contractor shall provide SUV type vehicles and motorcycles inclusive of servicing for the exclusive use of the Employer's and Engineer's staff at all times. The quantity, and type of these vehicles are listed in Appendix 3 hereto. Each of the supplied vehicles shall be substituted with a replacement vehicle when the vehicle reaches a mileage of 100,000km or is two years old whichever occurs first.	According to first paragraph of GS 108.2, Please confirm the 100,000km to be revised as 100,000kms.	It is confirmed. Bidder is referred to Addendum 3															
28	S-02						There are missing details of Pier Reinforcement Types <table border="1"> <thead> <tr> <th>Package</th> <th>Pier Type</th> <th>PIER REINFORCEMENT TYPE</th> </tr> </thead> <tbody> <tr> <td>CP S-02</td> <td>Type P6-39</td> <td>Type 9</td> </tr> <tr> <td>CP S-02</td> <td>Type P6-40</td> <td>Type 22</td> </tr> <tr> <td>CP S-02</td> <td>Type P6-67</td> <td>Type 13</td> </tr> <tr> <td>CP S-02</td> <td>Type P6-68</td> <td>Type 13</td> </tr> </tbody> </table>	Package	Pier Type	PIER REINFORCEMENT TYPE	CP S-02	Type P6-39	Type 9	CP S-02	Type P6-40	Type 22	CP S-02	Type P6-67	Type 13	CP S-02	Type P6-68	Type 13	Reinforcement details shown in VIA00 set is complete. Pier Schedule shall be revised to show the correct Pier Reinforcement Type Pier Type - Reinforcement Type Type P6-39 - Type 1 Type P6-40 - Type 3 Type P6-67 - Type 4 Type P6-68 - Type 4 Sheet NSRP-DWG-VIA02-ST-0101 will be revised under rev21.3
Package	Pier Type	PIER REINFORCEMENT TYPE																					
CP S-02	Type P6-39	Type 9																					
CP S-02	Type P6-40	Type 22																					
CP S-02	Type P6-67	Type 13																					
CP S-02	Type P6-68	Type 13																					
29	S-02	GBB 12 Annex A Item 144		12		This pertains to reinforced concrete. <ul style="list-style-type: none"> - Pile cap; - Pier and pier head; - CIS - ATG U-Retaining wall base slab; - ATG U-Retaining walls; and - viaduct present segments. - In-situ deck slab 	For avoidance of doubt, we further seek specific clarification on this response. From experience, we believe this does not apply to ALL reinforced concrete and as such please identify which one of these structural components are to be considered to fall under mass concrete classification: The maximum temperature of fresh concrete at time of placing should be between 26 to 30 degree C and should be achieved through normal precautions at the mixing plant, for working in hot, humid climates. The Contractor shall comply with the recommendations of TS200 Clause 206.7.8.4 with regard to pre-cooling and TS200 206.7.8.5 and TS200 Clause 206.7.8.5 regarding the cooling of the concrete. At no stage during the concreting process should the temperature of the fresh concrete exceed 35 degree C. Pile Caps will be classes as "Mass Concrete" for the purposes of this clause. However all elements shall follow the re-conditions of hot weather working as given above.																
30	S-02	Volume 1 BOQ No.2 Items 205(2) and 205(3)				Geogrid 37.5kN/m and Geogrid 75kN/m	Please specify which drawing this BOQ item applies to and also please advise the specific TS section for this item.	Please refer to NSRP-DWG-ESP-CW-1912 to 1913 Rev21. Please refer to TS 200, Section 205, Subsection 205.2, Clause 205.2.1															
31	S-02	Volume 2				Mechanical - HVAC Units	Please confirm if Item 10 on TS 604.1.4 General is applicable to units that will be supplied to NSCR. "10) The outdoor unit shall be capable of operating in cooling mode down to -10 oF with optional manufacturer supplied low ambient kit."	There is no item 10 on TS 604.1.4 it should be 604.2.1.1. Please refer to the update TS 604.2.1.1 in Addendum 5															
32	S-02	Volume 2				Rooms with Noise Criteria (NC)	Please provide equivalent sound level (dB) for Rooms which requires which have required Noise Criteria.	Please refer to TS 605.1.3 Item No. 1 Sound Pressure Level.															
33	S-02	Volume 3- Attachment 1 Summary of Key Dates		Section 8 Attachment 1	Summary of Key Dates	KD02-2 Complete a minimum and continuous length of 7,000 metres within any viaduct section	As per description of KD02-2, is it allowable to split continuous 7,000 metres to 2 continuous track.	Bidder is referred to revised KD02-2 in Addendum 4															
34	S-02	GBB 13 Annex A Item 53				The relocation shall be done prior to the commencement of the contract. The drawings for the proposed PNR bridge is not available. Please allow for similar size as the existing bridge.	If we assume the same structure as the existing Pasig River bridge then there will be not much space left between the NSRP and the relocated bridge. Note that the existing bridge is a double track bridge while the drawings only show single track for the temporary relocation. Please provide us the setting details and estimated size of structure for single track.	Bidder is referred to as-built drawing issued in Addendum 4 site data															
35	S-02	GBB 13 Annex A Item 43				Relocated canal shown on the drawings shall be constructed by the bidder. Proposed canal shown on the drawings shall be done by others.	Drawings show the "relocated canal" as the one supporting the relocated temporary tracks which should be the one done by others since the relocation of temporary tracks will be than prior to commencement of the CP S-02. As such, please confirm our understanding that the "relocated canal" will be done by others and not the "proposed canal." In addition, if portion of the box culvert will be executed by others prior to CP S-02 commencement, then please advise if it will be handed over to the CP S-02 contractor as restored or will others leave the temporary diversions done in all RCBC locations.	The relocated canal shown on the drawings shall be constructed by the bidder. The proposed canal shown on the drawings shall be constructed by others. Please refer to NSRP-DWG-VIA02-DR-0007 [revision 21.3] for the delineation															
36	S-01	GBB 16_A 1.3b CP S-01 Volume 1A Section 4A BOQ_A04E_20210219	GBB 16_A	Page 6 Bill No. 4	Item No.52 Item No. 713(7) Item No. 715(1)B	N/A	GBB 16_A, No.41 and 42 states that LP-UPS will provide centralized power supply to all critical loads including BMS and CCTV Systems. Please confirm if BMS and CCTV Systems has a redundant UPS aside from the UPS provided for the LP-UPS as reflected on plans and on BOQ.	Critical power supply system for these mentioned auxiliary systems is centralized and fed from LP-UPS. For LPS load schedule, refer to NSRP-DWG-BLU-EL-5504 rev.2. For FDAS and BMS diagram, refer to NSRP-DWG-BLU-EL-5701/5801 Rev 21.3.															

CP S01-02 Responses to Bid Requests (Batch 8)

No.	Packages	Volume	Section	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response																																																																	
37	S-01	GBB 16_A 1.3b CP S-01 Volume 1A Section 4A BOQ_Add2_20210219	NSCR-DWG-BLU-EL-5701 to 5705 Bill No. 4	N/A	FDAS Revised Plans		<p>Please identify the following symbols and provide specifications. The following devices are not included on the GBB14 Addendum 2 BOQ. Please clarify where to include these items.</p> 	<p>FTCP is Fireman's telephone control panel. This item to be included in FDAS. Refer to revised drawing NSRP-DWG-BLU-EL-5001 revision 21.3</p>																																																																	
38	S-01	1.3b CP S-01 Volume 1A	Section 4A BOQ	N/A	Domestic Water Supply Pump	N/A	<p>There were 2 types of Domestic Water Supply Pump indicated in Technical Specifications: Fixed Speed and Variable Speed. Please specify if what type of Domestic Pump will be used in Blumenritzt Station.</p>	<p>It will be variable speed. The fixed speed shall be deleted on the TS 600. TS 600 will revise and issued in Addendum 3</p>																																																																	
39	S-01	GBB 14 Addendum 2 2.2 SCRPP General Specification S-01 S-02_20210311	Section 6- IB	Page 116-117	GS 128.2 Defect Liability	GS 128.2 item c. Recommended stock of spare parts and consumables.	<p>Please confirm if the warranty for "recommended spare parts" is the same with the 36 months for contractual spare parts .</p>	<p>TS 600 has been revised and issued under addendum 3. The warranty period in TS 600 were specified per equipment type (not generalized). It has been stipulated in GS128 that warranty period shall be referred to the TS (eg. TS 600) if it was stated or specified thereto.</p>																																																																	
40	S-01	GBB 14 Addendum 2 2.2 SCRPP General Specification S-01 S-02_20210311	Section 6- IB	Page 116-117	GS 128.2 Defect Liability	GS 128.2 item c. Recommended stock of spare parts and consumables.	<p>Please confirm into which BOQ line item does the Spare Parts & Consumables for Major Items of Electrical and Mechanical Equipment will be added. Or please make the new column to put the amount.</p>	<p>The spare parts/extra stocks and consumables for Electrical and Mechanical works as indicated in the TS for each items are included in the rate of the pay items. Ex: a. TS 708 Annex A - 1) Lighting Fixtures; 2) Switch and receptacles. b. TS 611 Annex A - b) Provision for spare parts of Air-Cooled Split Type Aircon</p>																																																																	
41	S-01	GBB 14 Addendum 2 2.2 SCRPP General Specification S-01 S-02_20210311	Section 6- IB	Page 100	GS 121.4 Number of Submission Copies	The Contractor shall provide six (6) copies of all manuals and documents with two (2) soft copies on CD for the use of the Engineer and the Employer.	<p>Please clarify if the GS 121.4 "six (6) copies of all manuals and documents with two (2) soft copies on CD" OF OPERATING AND MAINTENANCE MANUALS AND DOCUMENTS are part of the bid submittals or to be provided upon award.</p>	<p>Please refer to GS 121.3 Submission of Manual and Documents. The Contractor shall submit the documents required listed under section 121.1 (a),(d) prior to related factory acceptance test. All other documents required under this section shall be submitted prior to the commencement of site installation by the Contractor.</p>																																																																	
42	S-01	GBB 14 Addendum 2 1.2 CP S-01 Volume 1	Section 4	Page 46	N/A	Training and Skills Transfer where required by the various Technical Specifications.	<p>With regards to Trainings and Skills transfer, please clarify if we will only consider equipment stated in the Method of Measurement with required trainings or we will consider all major equipment.</p>	<p>Aside from training and skills stated in the Method of Measurement for the Equipment. Please also refer to training stated in the following: a) TS 714.3.7; TS 713.2.15 b) TS 604; TS 630</p>																																																																	
43	S-01	N/A	N/A	N/A	N/A	N/A	<p>Please provide number of representatives for each of the following to attend and witness FAT: a. Owner's Representative b. Contractor c. Consultant</p>	<p>The contractors detailed work program must allow sufficient time for these FAT's and for any re-testing that may be required together with the subsequent shipment, customs clearance and delivery to the site. Whenever Factory Acceptance Test(s) are required a total of six (6) representative from the employer and engineer will attend the FAT travel. The contractor shall develop a standard testing methodology as part of the QA/QC procedure as outlined in GS 115 above</p>																																																																	
44	S-01	1.3b CP S-01 Volume 1A	Section 4A BOQ 20200930	T/S No. 706	Item No. 706(1)JK / BLU - Lighting Control Panel	N/A	<p>Kindly clarify response on GBB 16 that lighting controls are built in the lighting distribution panel. Please note that there are 12 assemblies of lighting control panels reflected in the BOQ but no layout provided for the locations.</p>	<p>Lighting control panel are built-in on LCP's/LPP's panels. Refer to NSRP-DWG-BLU-EL-5205 revision 21.3 for the location of LCP'S/LPP'S</p>																																																																	
45	S-01	1.3b CP S-01 Volume 1A	Section 4A BOQ_Add2_20210219	T/S No. 703	Item No. 703(2)a - 703(2)g, Item No. 703(6)g - 703(6)h	N/A	<p>Please clarify response on GBB 12 that Fire-rated LSZH Cables were used in panels connected to FP-DB. Please note that that the following Fire-rated LSZH Cables as reflected on the BOQ are also reflected on the load schedules. These are the cables to FP-DB.</p> <table border="1" data-bbox="1031 1049 1339 1149"> <tr><td>703</td><td>703(2)a</td><td>4C x 25sqmm + 1C x 125sqmm Fire Rated LSZH Cable</td><td>1m</td><td>312.00</td></tr> <tr><td>703</td><td>703(2)b</td><td>4C x 15sqmm + 1C x 80sqmm Fire Rated LSZH Cable</td><td>1m</td><td>16.00</td></tr> <tr><td>703</td><td>703(2)c</td><td>4C x 10sqmm + 1C x 80sqmm Fire Rated LSZH Cable</td><td>1m</td><td>123.00</td></tr> <tr><td>703</td><td>703(2)e</td><td>4C x 50sqmm + 1C x 80sqmm Fire Rated LSZH Cable</td><td>1m</td><td>46.00</td></tr> <tr><td>703</td><td>703(2)g</td><td>12C x 25sqmm + 1C x 14sqmm Fire Rated LSZH Cable</td><td>1m</td><td>23.00</td></tr> </table> <p>But for the following Fire-rated LSZH Cables in the revised BOQ, no plans provided. Please provide plans and load schedules for these.</p> <table border="1" data-bbox="1052 1252 1350 1369"> <tr><td>703</td><td>703(6)g</td><td>5sqmm Fire Rated LSZH Cable</td><td>1m</td><td>1,572.00</td></tr> <tr><td>703</td><td>703(6)h</td><td>38sqmm Fire Rated LSZH Cable</td><td>1m</td><td>690.00</td></tr> <tr><td>703</td><td>703(6)j</td><td>30sqmm Fire Rated LSZH Cable</td><td>1m</td><td>4,540.00</td></tr> <tr><td>703</td><td>703(6)m</td><td>25sqmm Fire Rated LSZH Cable</td><td>1m</td><td>1,831.00</td></tr> <tr><td>703</td><td>703(6)n</td><td>14sqmm Fire Rated LSZH Cable</td><td>1m</td><td>2,975.00</td></tr> <tr><td>703</td><td>703(6)o</td><td>8sqmm Fire Rated LSZH Cable</td><td>1m</td><td>1,204.00</td></tr> <tr><td>703</td><td>703(6)p</td><td>5sqmm Fire Rated LSZH Cable</td><td>1m</td><td>1,070.00</td></tr> <tr><td>703</td><td>703(6)q</td><td>3sqmm Fire Rated LSZH Cable</td><td>1m</td><td>2,092.00</td></tr> </table>	703	703(2)a	4C x 25sqmm + 1C x 125sqmm Fire Rated LSZH Cable	1m	312.00	703	703(2)b	4C x 15sqmm + 1C x 80sqmm Fire Rated LSZH Cable	1m	16.00	703	703(2)c	4C x 10sqmm + 1C x 80sqmm Fire Rated LSZH Cable	1m	123.00	703	703(2)e	4C x 50sqmm + 1C x 80sqmm Fire Rated LSZH Cable	1m	46.00	703	703(2)g	12C x 25sqmm + 1C x 14sqmm Fire Rated LSZH Cable	1m	23.00	703	703(6)g	5sqmm Fire Rated LSZH Cable	1m	1,572.00	703	703(6)h	38sqmm Fire Rated LSZH Cable	1m	690.00	703	703(6)j	30sqmm Fire Rated LSZH Cable	1m	4,540.00	703	703(6)m	25sqmm Fire Rated LSZH Cable	1m	1,831.00	703	703(6)n	14sqmm Fire Rated LSZH Cable	1m	2,975.00	703	703(6)o	8sqmm Fire Rated LSZH Cable	1m	1,204.00	703	703(6)p	5sqmm Fire Rated LSZH Cable	1m	1,070.00	703	703(6)q	3sqmm Fire Rated LSZH Cable	1m	2,092.00	<p>Yes. Fire rated LSZH cable are used in panels connected to FP-DB.</p> <p>Refer to NSRP-DWG-BLU-EL-5501 revision 21.3, NSRP-DWG-BLU-EL-5503 revision 21, NSRP-DWG-BLU-EL-5512A revision 21 for the load schedule of the following cables.</p>
703	703(2)a	4C x 25sqmm + 1C x 125sqmm Fire Rated LSZH Cable	1m	312.00																																																																					
703	703(2)b	4C x 15sqmm + 1C x 80sqmm Fire Rated LSZH Cable	1m	16.00																																																																					
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46	S-01	Volume 2	CP S-01_04_BLU_ME_PL_SN_FS	NSRP-DWG-BLU-FS-6621	N/A	N/A	<p>As per normal set-up, Pump Return Test Line including Flowmeters are required in Fire Pump Room and its pipe will be going back to the tank. However, it is not reflected on plans. Please provide detailed lay-out.</p>	<p>Fire pump return test line and Flowmeter in equipment detail will be added to NSRP-DWG-BLU-FS-6511 rev 21.3</p>																																																																	

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47	S-01	Volume 2	CP S-01_04_BLU_ME_PL_SN_FS	NSRP-DWG-BLU-FS-6621	N/A	N/A	As per normal set-up. Main relief valve including waste cone and discharge pipes are required in Fire Pump Room. However, it is not reflected on plans. Please provide detailed layout up to discharge tapping point.	According to NFPA 20 Section 4.20. Relief valve shall be installed for centrifugal pump in only two cases: 1. For diesel engine fire pump: Where a total of 121% of the net rated shutoff (churn) pressure plus the maximum static suction pressure, adjusted for elevation, exceeds the pressure for which the system components are rated. 2. For electric variable speed pump or a diesel pressure limiting driver: Where the maximum total discharge head adjusted for elevation with the pump operating at shutoff and rated speed exceeds the pressure rating of the system components. Please take note that the fire pump does not exceed the pressure rating of the system components and fire pump is electric fixed speed pump and not diesel engine pump or electric variable speed pump.
48	S-01	Volume 2	CP S-01_04_BLU_ME_PL_SN_FS	NSRP-DWG-BLU-FS-6621	N/A	N/A	Please provide fire water tank plan and section details reflecting tank pipings, valves and accessories.	Tank pipings valves and accessories will be added to NSRP-DWG-BLU-FS-6621 Rev 21.3
49	S-01	N/A	N/A	N/A	N/A	N/A	Please provide revised Technical Specifications for all MEPF trade (TS 600 and TS 700). These are not provided on the recently issued Addendum 2.	Bidder is referred to Addendum 4
50	S-01	N/A	N/A	N/A	N/A	N/A	Please provide Technical Specifications for Toilet Emergency Call System.	TS 717 has already been issued under Addendum 3
51	S-01	Volume 1A	Part I-Bidding Procedures Section 4A Bill of Quantities	Bill No. 4	Item No. 505(2)	FF13 Floor: Membrane Insulation Barrier on Troweled Finish Concrete	Kindly provide the technical specification of the Membrane Insulation Barrier.	Refer to TS 565 (Touch Voltage Insulation membrane System) for the complete specifications and methodology of application.
52	S-01	Volume 1A	Part I-Bidding Procedures Section 4A Bill of Quantities	Bill No.3	Item No. 207(2)n	Reinforcing Steel, Grade 60 for Pier wall, parapet wall, Secondary, concrete slab, cable trough upstands	Kindly provide the rebar details of the structures indicated in Item No. 207(2)n of Bill No. 3. Also, kindly provide the location and drawings of Pier wall, Secondary and concrete slab as it is not identified in the drawings.	Item No.207(2)n of Bill no.3 is covered rebar details of Pier Wall, Secondary concrete slab and cable trough except Parapet wall. Parapet wall shall be measured by BQ item 290(1). The details are shown on DWG VIA-00-ST-0651 & 1002 and ATGS-ST-6402.
53	S-01	Volume 1A	Section 4 - Bidding Forms	BF 12	Bid Security	Paragraph 3	<p>We request to insert additional words in paragraph 3 of the Bid Security Form:</p> <p><i>Original:</i></p> <p>At the request of the Bidder, we [name of bank] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [amount in words] [amount in figures] upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder</p> <p><i>Requested revision underlined:</i></p> <p>At the request of the Bidder, we [name of bank] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [amount in words] [amount in figures] upon receipt by us of your first demand in writing accompanied by <u>the Original of this Bid Guarantee and amendments, if any, and</u> a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder</p>	Bidder is advised that Bidding Forms as provided in the Bidding Document shall not be modified.
54	S-01	Volume 1A	Section 4 - Bidding Forms	BF 12	Bid Security	Paragraph 4	<p>To comply with the BSP Manual of Regulations for Banks, sub-section X347.1.c, which requires that the bank's obligation shall have an expressed expiration date, we request to insert additional words in paragraph 4 of the Bid Security Form:</p> <p><i>Original:</i></p> <p>This guarantee will expire (a) if the Bidder is the successful Bidder, upon our receipt of copies of the Contract Agreement signed by the Bidder and the Performance Security issued to you upon the instruction of the Bidder; or (b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder of the name of the successful Bidder, or (ii) 28 days after the expiration of the Bidder's bid.</p> <p><i>Requested revisions underlined:</i></p> <p>This guarantee will expire <u>whichever is earlier of</u> (a) if the Bidder is the successful Bidder, upon our receipt of copies of the Contract Agreement signed by the Bidder and the Performance Security issued to you upon the instruction of the Bidder; or (b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder of the name of the successful Bidder, or (ii) 28 days after the expiration of the Bidder's bid, <u>or (iii) on expiry date of bid security.</u></p>	Bidder is advised that Bidding Forms as provided in the Bidding Document shall not be modified.
55	S-01	Volume 1A	Section 4 - Bidding Forms	BF 12	Bid Security	Paragraphs 5 and 6	<p>To comply with the BSP Manual of Regulations for Banks, sub-section X347.1.c, which requires that the bank's obligation shall have an expressed expiration date, we request to insert additional words in paragraphs 5 and 6 of the Bid Security Form:</p> <p><i>Original:</i></p> <p>Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.</p> <p>This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.*</p> <p><i>Requested revisions underlined:</i></p> <p>Consequently, any demand for payment under this guarantee must be received by us at the <u>office/guarantor of the Bank</u> on or before <u>expiry date of the bid security.</u></p> <p>This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758. <u>As to matters not addressed by the URDGs, this guarantee shall be governed by and construed in accordance with Philippine laws.</u></p>	Bidder is advised that Bidding Forms as provided in the Bidding Document shall not be modified.
56	S-01	CP S-02_Vol-II Book-2_Arch-MPFS_DWGs Volume 1A	Section 4A BOQ	NSRP-DWG-BLU-SN-6126 Item No: 615(2)	BLIMENTRITIT STATION ELEVATED PEDESTRIAN WALKWAY SANITARY LAYOUT Elevator Sump Pump 11.36 cum/hr, 15.70m TDH	Elevator Sump Pump	Quantity for Elevator Sump in BOQ is only 2 units while in the Sanitary plans it was 3 units. Please confirm if Elevator Sump Pump in Elevated Pedestrian Walkway will be included.	BOQ to be revised to include pay item for Elevator Sump Pump in Elevated Pedestrian Walkway in accordance to drawings NSRP-DWG-BLU-SN-6126 rev. 21. Updated BOQ shall be issued as Addendum 4.

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57	S-01	GBB 14 Addendum 2 2.2 SCRIP General Specification S-01 S-02_20210311	Section 6- IB	GS 105	Defect Liability	Recommended stock of spare parts and consumables	Please clarify if the recommended spare parts should be included in our cost and required to be delivered within the contract period, or we will only provide list of recommended spare parts for your reference during maintenance period.	The recommended spare parts shall be included in the cost/pay item. Prior to the issue of Taking over Certificate under GCC Sub-Clause 10.1, the Contractor shall prepare a DNP (Defects Notice Plan) as detailed in TS 128.2 Defects Liability item c) and d).
58	S-01	CP S-02_Volume II	Book-2_Arch-MPFS_DWG GBB 14 Addendum 2	Bill no. 4	Mechanical Plans: NSRP-DWG-BLL-ME-568 NSRP-DWG-BLL-ME-5611 NSRP-DWG-BLL-ME-5616 1.3b CP S-01 Vol.1A Sec.AA BOQ_Add2_20210219	N/A	As per plan, there are items and sizes that are still not reflected in the Revised DOTR BOQ (GBB 14) such as: 1. Quantity and specification of ACW-17 2. HRV-19 is still on BOQ while on updated plans it was removed. 3. Ducts (other sizes: Please see Annex A) 4. Fire Dumpers (other sizes: Please see Annex A) 5. Opposed Blade Volume Dumpers (other sizes: Please see Annex A) 6. Backdraft Dumpers (other sizes: Please see Annex A) 7. Air Louvers (other sizes: Please see Annex A) Kindly recheck and update the BOQ based on Equipment Schedule and Mechanical Plans.	1. Quantity and specification of ACW-17 are already updated in the BOQ. 2. HRV-19 is already removed in the BOQ. 3-7. Ducts and Duct Accessories are already updated in the BOQ. Updated BOQ shall be issued as Addendum 4.
59	S-01	1.3b CP S-01 Volume 1A	Section 4A BOQ_Add2_20210219	Bill No. 3	Item No. 707(4g) / 125mm dia IMC	N/A	Please confirm the use of 125mm dia IMC. According to our suppliers, it is not commercially available.	The BOQ shall be revised to utilize 100mm dia. IMC. Updated BOQ shall be issued as Addendum 4.
60	S-02	1.3b CP S-02 Volume 1A	Section 4A BOQ_Add_2_20210219	España Station: 615 615(1)a, Stn. Mesa Station: 615 615(1)a, Pisco Station : 615(1)	Domestic Water Supply Pump		There were 2 types of Domestic Water Supply Pump indicated in Technical Specifications: Fixed Speed and Variable Speed. Please specify if what type of Domestic Pump will be used in each station.	Variable Speed Domestic Water Booster Pump Set will be used, please refer to TS 600, Section 615, Clause 615.2.10. The fixed speed shall be deleted on the TS 600, Section 615 and the revised TS shall be issued as Addendum No.4.
61	S-02	CP S-02_Vol-II Book-2_Arch-MPFS_DWG_20210202 Volume-4A	Section 4A BOQ	NSRP-DWG-ESP-SN-6126 Item No: 615(2d)	ESPAÑA STATION ELEVATED PEDESTRIAN WALKWAY SANITARY LAYOUT Elevator Sump Pump 11.36 cum/hr, 10.0 m TDH	Elevator Sump Pump	Quantity for Elevator Sump in BOQ is only 2 units while in the Sanitary plans it was 3 units. Please confirm if Elevator Sump in Elevated Pedestrian Walkway will be included. SEE ANNEX CU.	BOQ to be revised to include pay item for Elevator Sump Pump in Elevated Pedestrian Walkway in accordance to drawings NSRP-DWG-ESP-SN-6126 rev. 21. Updated BOQ shall be issued as Addendum 4.
62	S-02	1.3b CP S-02 Volume 1A	Section 4A BOQ_Add_2_20210219	T/S No. 706	Item No. 706(4)ab / PAC - Lighting Control Panel		Kindly clarify response on GBB 16 that lighting controls are built in the lighting distribution panel. Please note that there are 12 assemblies of lighting control panels reflected in the BOQ but no layout provided for the locations.	The Bidder is advised that the Lighting Control Panel is integrated in the L.P.S. Please refer to drawing nos. NSRP-DWG-ESP-EL-S205 Rev21.3, NSRP-DWG-PAC-EL-S206 Rev21.3 and NSRP-DWG-STM-EL-S206 Rev21.3. Please also refer to the revised / updated Technical Specifications, TS 700, Annex A, Section 706, Sub-section 706.1; Clause 706.1.1, Item No. 2(b). Updated TS 700 Annex A shall be issued as Addendum 4.
63	S-02	Volume 2 - Arch-MPFS		NSRP-DWG-ESP-FS-6621 NSRP-DWG-PAC-FS-6621 NSRP-DWG-STM-FS-6621	N/A	N/A	As per normal set-up, Pump Return Test Line including Flowmeters are required in Fire Pump Room. However, it is not reflected on plans. Are we going to consider this? If yes, please provide detailed lay-out. Likewise, for system main relief valve will a discharge to drain or returned to the suction of the fire pump.	Fire pump Return Test line and flowmeters will be added in drawing NSRP-DWG-STA-FS-9011 rev 21.3 For system main relief valve according to NFPA 29 Section 4.20, Relief valve shall be installed for centrifugal pump in only two cases: 1. For diesel engine fire pump: Where a total of 121% of the net rated (churn) pressure plus the maximum static suction pressure, adjusted for elevation, exceeds the pressure for which the system components are rated. 2. For electric variable speed pump or a diesel pressure limiting driver: Where the maximum total discharge head adjusted for elevation with the pump operating at shutoff and rated speed exceeds the pressure rating of the system components. Please take note that the fire pump does not exceeds the pressure rating of the system components and fire pump is electric fixed speed pump and not diesel engine pump or electric variable speed pump.
64	S-02	Volume 2 - Arch-MPFS		NSRP-DWG-ESP-FS-6621 NSRP-DWG-PAC-FS-6621 NSRP-DWG-STM-FS-6621	N/A	N/A	Please provide layout for overflow assembly and drain pipes with valves for fire water tank.	Tank overflow assembly pipings and drain valves and accessories will be added to NSRP-DWG-PAC-FS-6621, NSRP-DWG-STM-FS-6621, NSRP-DWG-ESP-FS-6621 Rev 21.3
65	S-02	GBB 14 Addendum 2 2.2 SCRIP General Specification S-01 S-02_20210311	Section 6- IB	Page 116-117	GS 128.2 Defect Liability	GS 128.2 item c. Recommended stock of spare parts and consumables.	Please clarify if the recommended spare parts should be included in our cost and required to be delivered within the contract period, or we will only provide list of recommended spare parts for your reference during maintenance period.	The recommended spare parts shall be included in the cost/pay item. Prior to the issue of Taking over Certificate under GCC Sub-Clause 10.1, the Contractor shall prepare a DNP (Defects Notice Plan) as detailed in TS 128.2 Defects Liability item c) and d).
66	S-02	Volume 2	Section 6 - IV	Page 3 & 4 of 12	Equipment Requirement		In the Equipment List there are listed items that can be viewed and considered as Materials and not as Equipments i.e.... a.) Moulds b.) Cofferdams c.) Piers and Other Forms d.) Protection Fencing Please confirm if this is still to be considered and still to be a part of the Minimum Required List of Equipment or can it be stricken out from the said list?	It shall be Bidder's responsibility to provide list of major equipments that they will be using, for Employer's evaluation. The list provided in Section 6 shall serve as indicative only.
67	S-02	Volume 1, Part 1	Section 4 Bidding Formse	BF-35	Access and Possession of Site, Item No. 2 - Programing Proposals - Construction Schedule Program Requirements	"In addition, there are many utilities which run along and cross the Right of Way. The intention is for the Employer to arrange for their rerouting prior to commencement of the Works. It is unlikely that the whole of the rerouting will be completed, so the Bidder should allow in the Initial Program for all of the rerouting required and the work will be covered by a Provisional Sum to be expended as the Employer directs"	a.) If the Provisional Sum Budget is insufficient, can the subsequent relocation of utilities be considered as a Variation Order? If this is not possible, we would like to ask on where will we get the budget if the Provisional Sum is consumed and there are still Utilities to be relocated and when will the funds be provided? b.) If there are delays in the relocation of utilities brought by the Utility Companies which the contractor have no control off, will the Utility companies delay be attributed or be at the expense of the Contractor? c.) Please clarify or confirm that in cases of delay in ROW and Utilities Relocation affecting the Critical Path of the Contractor will the client be granting Time Extension same as stated in FIDIC Pink Book (General Conditions of Contract, Sections 8.4 and 8.5) and Contractor Claims Payment under Section 20.1?	a) Provisional Sums shall be expended in accordance with the provisions of GCC 13.5 b) Any delays not attributable to the Contractor will be dealt with in accordance with the applicable GCC clauses. c) Any delays not attributable to the Contractor will be dealt with in accordance with the applicable GCC clauses.

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No.	Packages	Volume	Section	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collected Response
68	S-02	GBB 14 Addendum 2 2.2 SCRIP General Specification S-01 S-02_20210311	Section 6- IB	Page 116-117	GS 128.1 General GS 128.2 Defect Liability	GS 128.1, The Warranty Period for contractual spare parts, special tools and testing equipment... GS 128.2 item c, Recommended stock of spare parts and consumables.	Please clarify if contractual (GS 128.1) and recommended (GS 128.2) spare parts are the same. As per our understanding, "contractual" refers to items with indicated quantity of spare parts in MOM, while "recommended" has no spare parts requirement by the client but proposed by the supplier.	1) GS 128.1, The Warranty Period for contractual spare parts, special tools and testing equipment.... The spare parts refer to the items required and specified in the Technical Specification particularly for Mechanical and Electrical requirement for system and sub-system items. 2) GS 128.2 item c, Recommended stock of spare parts and consumables pertains to detection and repair of any defects and replacement of component parts where the system or sub-system does not conform to functional specification and performance requirement as specified in the work requirement.
69	S-02	GBB 14 Addendum 2 2.2 SCRIP General Specification S-01 S-02_20210311	Section 6- IB	Page 116-117	GS 128.2 Defect Liability	GS 128.2 item c, Recommended stock of spare parts and consumables.	Please confirm into which BOQ line item does the Spare Parts & Consumables for Major Items of Electrical and Mechanical Equipment will be added. Or please make the new column to put the amount.	Please refer to the General Specifications, Section GS 128, Sub-section GS 128.3-Measurement and Payment - which states that "There will be no separate payable item for this work as Defects Liability is included within the prices for each measurable item". Please also refer to the Technical Specifications such as TS 600, Annex A, Section 611, Sub-section 611.1, Clause 611.1.1, Item 1(b); TS 700, Annex A, Section 708, Sub-section 708.1, Clause 708.1.1, Item No. 2(b).
70	S-02	1.3b CP S-01 Volume 1A	Section 4A BOQ_Add2_20210219	Bill No. 4	Item No. 707(A) / 125mm dia IMC	N/A	Please confirm the use of 125mm dia IMC. According to our suppliers, it is not commercially available.	The BOQ shall be revised to utilize 100mm dia. IMC. Updated BOQ shall be issued as Addendum 4.
71	S-01	Volume 2	Section 6-IV	Page 3 & 4 of 12	Equipment Requirements for S-01	Equipment Requirements for S-01	Will the contractor be providing Form EQU to other additional equipment which are not mentioned in the Minimum Required Equipment or those that are in List of Equipment mentioned in Page 3 and 4? This said additional equipment are also included and part of our methodology, resources loading & planning.	It shall be Bidder's responsibility to provide list of relevant equipment/plant which the bidder shall consider to require for precast production for Employer's evaluation. The list provided in Section 6 shall serve as indicative only.
72	S-01	Volume 1 Part 1	Section 4 Bidding Forms	BF-35	Access and Possession of Site, Item No. 2 - Programming Proposals - Construction Schedule Program Requirements	"In addition, there are many utilities which run along and cross the Right of Way. The intention is for the Employer to arrange for their rerouting prior to commencement of the Works. It is unlikely that the whole of the rerouting will be completed, so the Bidder should allow in the Initial Program for all of the rerouting required and the work will be covered by a Provisional Sum to be expended as the Employer directs"	a.) If the Provisional Sum Budget is insufficient, can the subsequent relocation of utilities be considered as a Variation Order? If this is not possible, we would like to ask on where will we get the budget if the Provisional Sum is consumed and there are still Utilities to be relocated and when will the funds be provided? b.) If there are delays in the relocation of utilities brought by the Utility Companies which the contractor has no control over, will the Utility companies delay be attributed or be at the expense of the Contractor? c.) Please clarify or confirm that in cases of delay in ROW and Utilities Relocation affecting the Critical Path of the Contractor will the client be granting Time Extension same as stated in FIDIC Pink Book (General Conditions of Contract, Sections 8.4 and 8.5) and Contractor Claims Payment under Section 20.17	a) Provisional Sums shall be expended in accordance with the provisions of GCC 13.5 b) Any delays not attributable to the Contractor will be dealt with in accordance with the applicable GCC clauses. c) Any delays not attributable to the Contractor will be dealt with in accordance with the applicable GCC clauses.
73	S-01	Volume 2	Section 6 - IV	Page 3 & 4 of 12	Equipment Requirement for S-01	Equipment Requirement for S-01	In the Equipment List there are listed items that can be viewed and considered as Materials and not as Equipments i.e.... a.) Moulds b.) Piers and Other Forms c.) Protection Fencing d.) Construction Access Bridge Please confirm if this is still to be considered and still to be a part of the Minimum Required List of Equipment or can it be stricken out from the said list?	It shall be Bidder's responsibility to provide list of major equipments that they will be using, for Employer's evaluation. The list provided in Section 6 shall serve as indicative only.
74	S-01	General Bid Bulletin No. 16 Annex A Volume 1A	Section 4A BOQ	Item No. 14 Bill No.4	ITEM No. 520(1) Exposed Structure with Non-combustible Insulation	Non-combustible insulation	In GBB 16, you responded to our query regarding the density of non-combustible insulation however, in your response you specified density of insulation for roofing panel. Please confirm if that density is the same with the non-combustible insulation indicated in Item No. 520(1) of Bill No. 4	The Bidder is advised to refer to the Technical Specifications, TS 500, Section 520, Sub-section 520.2; Clause 520.2.2- Insulation. Please also refer to Clause 520.1.3-Codes and Standards.
75	S-01	Volume 2	Section 6 Part II Drawings Blumentritt Station Architectural Drawings Sec. 6 Part II Drawings General Station Architectural Drawings	NSRP-DWG-BLU-AR-3411 NSRP-DWG-BLU-AR-3031	Blumentritt Station Wall Section Sheet 1 General Station Schedule of Finishes sheet 1	Exposed Structure with Non-combustible Insulation	Kindly clarify the location of Exposed Structure with Non-combustible Insulation. In the Schedule of Finishes, it is stated that it is applied on Railway Electrical room, SUR, TUR, SER, TER however in the Wall Section, it is labeled in AFC UPS room. Also, kindly clarify if it is applied on walls or in the pier column as labeled in the drawing attached.	Exposed structure with non-combustible insulation applies to all walls of Railway electrical room, SUR, TUR, SER, TER and all pier columns as labeled in the drawing.
76	ALL	Volume 1	Section 3 - Evaluation and Qualification Criteria	EQC 26	2.4.2 Construction Experience in Key Activities	1. Construction of steel box girder bridge of at least 50m length in a single contract.	Since the review and acceptance of the related reference will be after the tender submission, it should be clear for the Potential Bidders to acknowledge whether the related reference will be acceptable or not before the tender submission. In order to create a competitive bidding, we kindly request you to accept the references for steel twin girder bridge composed of I steel beams where the total length of the bridge is more than 50m.	The information provided by the Bidder in the clarification request is insufficient to prove the similar nature and complexity of the project as required in EQC 2.4.2.
77	ALL	Volume 1	Section 3 - Evaluation and Qualification Criteria	EQC 26	2.4.2 Construction Experience in Key Activities	2.4.1 Contracts of Similar Size and Nature (...) Notes : (ii) The substantial completion shall be certified by the Engineer or the Client. The Applicant shall obtain a substantial completion certificate from the Engineer or the Client and attach to Form EXP-1. Substantial completion is defined as when eighty percent (80%) of the project cost has been certified 2.4.2 Construction Experience in Key Activities Requirement : For the above or other contracts executed during the period stipulated in 2.4.1 above, a minimum construction experience in the following key activities: (...) 1. Construction of steel box girder bridge of at least 50m length in a single contract.	Please confirm that substantially completed (more than 80%) steel box girder bridge having total length more than 50m is acceptable by the Employer.	Yes. But Bidder shall take note that substantial completion shall be certified by the Engineer or the Client.
78	ALL	Volume 2	Section 6 - IC Technical Specifications & II Drawings				Kindly confirm if the supply and installation of the following are part of our scope of work: 3.1 Generator set including feeder 3.2 150kVAR capacitor bank 3.3 Panelboards, ECB's, UPS and ATS 3.4 Lighting fixture and wiring devices 3.5 Lighting steel poles 3.6 Wiring-ins 3.7 Broughing-ins including cable trays 3.8 Control panel for fire pump, and jockey pump. 3.9 Timer switch 3.10 Temperature sensors	Mentioned below are confirmed installation scope of work as indicated in the bid document. Please raise specific queries if any and/or scope: 3.1 Yes, included. 3.2 Excluded. 3.3 to 3.7 Yes, included. 3.8 by fire pump vendor. 3.9 Yes, included. 3.10 Supply is from vendor but installation is included in scope of work.

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No.	Packages	Volume	Section	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collected Response
79	ALL	Volume 2	Section 6 – IC Technical Specifications & II Drawings				Kindly confirm if the supply and installation of the following are excluded in our scope of works: 4.1 LV/SV including feeder and termination works 4.2 Transformer including feeder 4.3 450V/AR capacitor bank including feeder 4.4 Electrical works from the load side of MDBs, MDBs, and E-CBs to mechanical equipment. 4.5 All electrical related civil works such as duct banks, Cable pit and foundation for roadway lighting steel poles. 4.6 Structural hangers and supports for cable trays and lighting fixture at platform level. 4.7 Power provision for ticket vending machines and turnstiles (rough-ins, Wiring-ins, and outlet) 4.8 Architectural signages including all accessories. 4.9 Power conditioner (PCS) including its roughing-ins and wiring-ins from MDB2 to PCS and PCS to ATS. 4.10 Booster pump control panel including feeder	Mentioned below are confirmed installation scope of work as indicated in the bid document. Please raise specific queries if any unclear scope. 4.1 Feeder up to the Main distribution panel is part of scope of work. 4.2 Yes, excluded. 4.3 Yes, excluded. 4.4 Included in the scope of work. 4.5 By civil works but coordination at site should be done. 4.6 Included in the scope of work. 4.7 Included in the scope of work. 4.8 architectural signages are excluded but wiring of power supply is included in scope of work. 4.9 Yes, excluded. 4.10 booster pump control panel is by vendor. Feeder is part of scope of work.
80	ALL	Volume 2 / 02_CP S-01_VIA00		107		NSRP-DWG-VIA00-ST-1901	Please could you advise the tenderer which item should be used to indicate the cost for Earthing and Lightning Arrester which is shown in the mentioned drawing?	Lightning Protection System Works in Viaducts (i.e.piers) are NOT part of Bidder's SOW. Lightning Protection System Works will be BY OTHERS (i.e. E&M Contractor).
81	ALL	Volume 2	Section 6 – II Drawings	02_CP S01_VIA00 Page 101/108		NSRP-DWG-VIA00-ST-1401	Regarding the seismic restrainer, please kindly report the type and technical specification of the rubber strip; in particular, we would like to know whether the rubber is used for protection purposes or it should have mechanical characteristics	Specification of rubber properties included in NSRP-DWG-VIA00-ST-1401: Durometer Hardness = 60 Shear Modulus, G = 0.9MPa Bulk Modulus, B = 2000 Mpa For CP S-01 and CP S-02, the drawing has been issued Rev 21.3 in addendum 3
82	ALL	Volume 1 & Part IA – Bidding Procedures	Section 4 – Bill of Quantities	May-84	Preamble Clause 9		The rates and prices quoted in the priced Bills of Quantities shall, except insofar as it is otherwise provided under the Contract, include all construction plant, labor, supervision, materials, erection, maintenance, insurance, overheads, profit, taxes including tax deducted at sources, levies, and duties and other charges, together with all general risks, liabilities, and obligations set out or implied in the Contract. Please clarify if spare parts during DLP will be included in unit prices or not? Moreover, please clarify if it is required to submit a spare part list in bid submission? If so, please clarify whether the spare part list will include the unit prices or not.	Please refer to the General Specifications, GS 128.2 Defects Liability: which states that "Contractor shall submit the Defects Notification Plan which includes recommended list of stocks of spare parts and consumables. All works, including labour, replacement parts, spare parts and consumables, if required, shall be at the Contractor's expense. Further, Please also refer to the General Specifications, Section GS 128, Sub-section GS 128.3-Measurement and Payment - which states that "There will be no separate payable item for this work as Defects Liability is included within the prices for each measurable item".
83	ALL	1) Volume 2 & Section 6 -IB General Specification, GS 118 ENVIRONMENTAL MANAGEMENT 2) ESIR, Chapter 10.10, Institutional Plan for the Implementation of the Environmental Management Plan, section 10.3, Table 10.3.1 Types of Monitoring Report,		2) Page 10-12.	1) Clause 118.4.1.	Contractor's Environmental Reporting GS 118 (Addendum) states that "The Contractor shall also ensure the onboarding of Pollution Control Officer(s) or third party agent who will conduct the environmental baseline monitoring activities, and prepare Self-Monitoring Report (SMR) and Compliance Monitoring Report (CMR) to be submitted to the DENR." Table 10.3.1 of ESIR (addendum) defines that Contractor is responsible for preparation of "Monthly HSE Compliance Report", Quarterly Self-Monitoring Report (SMR) and Semi-annual Compliance monitoring report (CMR) are under responsibility of GC and PMO.	The Contractor will take into account the submission of only "Monthly HSE Compliance Reporting" considering that other reports stated in addendum of GS 118 are required to be prepared by GC and PMO staff as per impartiality and monitoring requirements of the stakeholders. Still, the CONTRACTOR will cooperate with CLIENT in for provision of data and information for the mentioned reports. Please clarify and confirm this approach.	This is confirmed. The Contractor's environmental monitoring data will form part of the Client's Self-Monitoring Report (SMR) and Compliance Monitoring Report (CMR) to be submitted to the DENR. The results of all monitoring conducted shall be included within Part 12 (e) of the Contractor's Monthly Report submitted under GS 111.
84	ALL	Volume 2, Book 1, A, CP S-01_Bridge_Viaduct, 02_CP S-01_VIA00.pdf		107		NSRP-DWG-VIA00-ST-1901	Lightning arrester details There are some minor MEP scope at viaducts such as lightning protection system. Please specify the related pose items in BOQ.	The Bidder is advised that the mainline / viaduct Lightning Protection System is not covered by the Civil Works scope of work (SOW). The Lightning Protection System in the mainline / viaduct shall be covered by the Others
85	ALL	Volume 1 - 1.3s CP S-01 Vol.1A	Section 4A BOQ_Adj1_20210125	Bill no.3	206(1)c	Precast Cover Precast Concrete Cover to Cable Trough (Type-2) - reinforcement to be included in the unit rate	While the drawing VIA00-ST-0063 shows type 1-2-3 precast cable trough for 10300 Wide and the drawing VIA00-ST-0064 shows type 1 and 3 for 6300 Wide and lastly the drawing VIA00-ST0065 shows type 1 and 3 for 5100 Wide. Since there is no 10300 Wide Precast Segment Type in Section 01, you are kindly requested to change the item name in Bill of Quantity.	Please refer to the revised / updated BOQ, Bill No. 3, Item No. 206(1)c for the modified work item description. Updated BOQ shall be issued as Addendum 4.
86	ALL	Volume 1 - 1.3s CP S-01 Vol.1A	Section 4A BOQ_Adj1_20210125	Bill no.3	206(1)c	Precast Cover Precast Concrete Cover to Cable Trough (Type-2) - reinforcement to be included in the unit rate	Since there is only 5100 Wide and 6300 Wide precast segments in Section 01 and 5100&6300 Wide precast segments include only Type 1 and Type 3 precast concrete cable channel, please could you advise the tenderer where to add the cost of Type 1 and Type 3 of concrete channels?	The Precast Concrete Cover to Cable Trough shall be covered by the BOQ, Bill No. 3, Item 206(1)c. Please refer to the updated BOQ with the modified work item description for Item 206(1)c. Updated BOQ shall be issued as Addendum 4.
87	ALL	Volume 2	Section 6 I Specifications B General Specifications	17		NSRP-DWG-VIA00-ST-1901	Please could you advise the tenderer which item should be used to indicate the cost for Earthing and Lightning Arrester which is shown in the mentioned drawing?	Lightning Protection System and earthing Works in Viaducts (i.e.piers) are NOT part of Bidder's SOW. Lightning Protection System and earthing Works will be carried out by the E&M Contractor)
88	ALL	Volume 2 & Part II	Section 6 – II: Drawings	02_CP S-02_VIA00 Page 136/172		NSRP-DWG-VIA00-ST-1401	Regarding the seismic restrainer, please kindly report the type and technical specification of the rubber strip; in particular, we would know whether the rubber is used for protection purposes or it should have mechanical characteristics.	Specification of rubber properties included in NSRP-DWG-VIA00-ST-1401: Durometer Hardness = 60 Shear Modulus, G = 0.9MPa Bulk Modulus, B = 2000 Mpa For CP S-01 and CP S-02, the drawing has been issued as Rev 21.3 in addendum 3
89	ALL	Volume 2 & Part II	Section 6 – II: Drawings	05_CP S-02_UBR Page 14/14		NSRP-DWG-UBR-ST-0700	Regarding the seismic restrainer, please kindly report the type and technical specification of the rubber strip; in particular, we would know whether the rubber is used for protection purposes or it should have mechanical characteristics.	Specification of rubber properties included in NSRP-DWG-UBR-ST-0700: Durometer Hardness = 60 Shear Modulus, G = 0.9MPa Bulk Modulus, B = 2000 Mpa For CP S-02, the drawing has been issued as Rev 21.3 in Addendum 3
90	ALL	Volume 1 & Part IA – Bidding Procedures	Section 4 – Bill of Quantities	5/168	Preamble Clause 9		The rates and prices quoted in the priced Bills of Quantities shall, except insofar as it is otherwise provided under the Contract, include all construction plant, labor, supervision, materials, erection, maintenance, insurance, overheads, profit, taxes including tax deducted at sources, levies, and duties and other charges, together with all general risks, liabilities, and obligations set out or implied in the Contract. Please clarify if spare parts during DLP will be included in unit prices or not? Also Please clarify if it is required to submit a spare part list in bid submission? If so please clarify whether the spare part list will include the unit prices or not.	Please refer to the General Specifications, GS 128.2 Defects Liability: which states that "Contractor shall submit the Defects Notification Plan which includes recommended list of stocks of spare parts and consumables. All works, including labour, replacement parts, spare parts and consumables, if required, shall be at the Contractor's expense. Further, Please also refer to the General Specifications, Section GS 128, Sub-section GS 128.3-Measurement and Payment - which states that "There will be no separate payable item for this work as Defects Liability is included within the prices for each measurable item".
91	ALL	Volume 1 Part I – Bidding Procedures				1.2.3.2 Implementation Proposals – Method Statements (Principal Aspect 2)	1) We kindly request you to submit the spare part list. 2) We understand that 1-year maintenance is required, please confirm. 3) We kindly request you to give details of maintenance: - Which level of maintenance is requested, such as Preventive or Corrective, level 1, 2,3,4? - For which equipment is maintenance requested? - What will be the frequency of maintenance? etc. Please give more detailed information about maintenance to make all bidders price the same scope.	1) List of spare parts can be referred to TS 500, TS 600 and TS700 for specific type of equipment and materials. 2) As per usual warranty period the operational, installation defects and maintenance of each type shall be one (1) year as specified warranty period on the updated TS 3) -Bidder to confer/verify with equipment manufacturer as to which requires maintenance, what level of maintenance and what is the frequency of maintenance required for each equipment, in order to ensure full and effective operation of the equipment -The contractor has to engage on a factory-authorized service representative to train the employer's maintenance personnel to adjust, operate and maintain the specific equipment. This will be covered on the presentation and demonstration of product from each specific equipment before turn over period of the building/project

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92	ALL	Volume 2 - SCRP_Vol. 2 Part 2	Section IC TS 200 Bridges and Viaduct 200918	246	216.2.5	TESTING - Materials for elastomeric bearings and the finished bearings themselves shall be subjected to the tests described in AASHTO M 251.	Considering AASHTO M251 for elastomeric bearings, there is no specific information about the test quantities for the bearings. Since there are 227 bearings in the BoQ for Elastomeric Bearing Pads, please could you inform the tenders about the test quantity of bearing pad in order to prepare the precise costs?	Please refer to the Technical Specifications, TS 200, Section 216, Sub-section 216.1, Clause 216.1.5; Sub-Clauses 216.1.5.1 and 216.1.5.2	
93	ALL	Responses to Clarification Requests (Batch 6) General Bid Bulletin No. 16		13-Dec	Question No. 137	Final Response: • AASHTO LRFD Bridge Construction Specification Sect. 18.3 is for Pot and Disc Bearings • Sampling rates as per AASHTO M 251 are the following: a. Plain bearings – two (2) full size bearings per lot. b. Steel-reinforced bearings – one (1) full size bearing per every ten per lot, with a minimum of two (2).	Base on the clients answer, Bearing Test for sampling frequency in total 381 sets test are required for elastomeric bearings and 46 extra bearings are needed for testing. In order to prevent misunderstanding, we understand that 381 sets of elastomeric bearings will be tested separately and 42 sets (Bond test) will be added if long term compression test is not required. That situation doubles the bearing unit price. You are kindly requested to give us the required test quantity for the items below: • Elastomeric Bearing Test Quantity • Pot Bearing Test Quantity	1) Please refer to TS 216.1.5.2 for the quantity of various testing for Elastomeric Bearing Pads. 2) Please refer to TS 216.3.4 for the quantity of test required for Pot Bearing Pads.	
94	ALL	Volume 2 - 12_CP S-02_ATG				NSRP-DWG-ATG-ST-2200 Imported Granular Fill	Since there is no item in 1.38-CP S-02 Vol.1A Sec-4A BOQ_Add. 2_20210219 for Granular Fill that will be used for ATG Structure, the client is requested to inform the tenders where to add the unit cost of granular fill of ATG Structure in Bill no.3? Kindly provide the technical specification for "Granular fill specification" as indicated in the drawing? Including the "Damping" criteria , required "Compaction methodology"	Please refer to the revised / updated BOQ, Bill No. 3, Item No. 205(7)a for the Embankment for At-grade Structure (Imported Granular Fill). Updated BOQ shall be issued as Addendum 4. Please also refer to the Technical Specifications, TS 200, Section 205; Sub-section 205.2, Clause 205.2.2 and to Sub-section 205.3, Clause 205.3.2.	
95	ALL	Volume 3	Section 8 Particular Conditions of Contract	PCC 3	Sub-Clause 1.1.3.7	Defects Notification Period	Pursuant to Clause 1.1.3.7 of the Particular Conditions and other relevant parts of the bidding documents, the Defects Notification Period is 365 days after the date of the Taking Over Certificate. However, the Employer advised the Bidders in GBB 13, No.95, that the Defects Notification Period of the E&M works may take longer. Please kindly clarify the E&M system Defect Notification Period for carrying out contractual obligations or responsibilities under the Contract.	E&M Contract refers to the separate Railway System Wide Contract. Defects Notification Period for E&M Works is 24 Months commencing: S-01 April 2026 S-02 September 2026 S-04 January 2027 S-05 January 2027 S-06 January 2027 S-07 January 2027	
96	ALL	Volume 3	Section 7 General Conditions of Contract	5/32 (GCC)	Sub-Clause 6.7.	Health and Safety	If the bidder awarded the Project, who contractor will take all necessary precautions and comply with all regulations of Philippines and the terms of the Contract as a prudent Contractor in order to prevent any adverse effects of pandemics including but not limited to Covid-19 while executing the Works. However, if the contractor incur adverse effects due to pandemics despite it takes all precautions and comply with all regulations of Philippines and the terms of the Contract, please confirm that the Contractor shall be entitled for an extension of time and increase in the Contract Price?	Bidder is requested to comply with all Covid-19 related clauses in the bidding documents. Claims for extension of time and payment will be dealt with in accordance to relevant GCC clauses.	
97	ALL	Volume 3	Section 8 Particular Conditions of Contract	PCC 15	Sub-Clause 8.1 Commencement of Work	Delete sub-paragraph 8.1 (d)	The Bidder understands that the Employer has not set the payment of advance a prerequisite for the commencement of the Works. However, The Bidder cannot conceive the intention behind this initiative, and it is kindly requested from the Employer to clarify for all bidders how the advance payment will be secured and paid to the Contractor upon the submission of the concerning bank guarantee letter as prescribed under the Contract. Since the advance payment always play the most important role to start-up the projects, the Bidder would like to be certain that no considerable delay occurs when the Employer receives the said bank guarantee letter from the Contractor and the Employer transfers the amount to the Contractor's bank account to avoid any cash flow issue for the Contractor to properly discharge its obligations under the Contract.	The Employer intends to commence the Works as soon as possible. As the process for securing advance payment security will take time, the Employer has removed subclause 8.1 (d). Payment of the Advance will be made in accordance with GCC clause 14.2. Bidder is referred to Addendum 4 containing further information regarding Advance Payment	
98	ALL	Volume 2	Section 6 – II Drawings			NSRP-DWG-ATG-ST-2201	Kindly provide the technical specification for "PVC pipe 4150 " at drawing NSRP-DWG-ATG-ST-2200 and "compressible filler material" at drawing NSRP-DWG-ATG-ST-7001 detail-F.	As per TS 110.2, Material requirement of PVC pipes shall conform with ASTM D1784.	
99	ALL	Volume 2	Section 6 – II Drawings			NSRP-DWG-ATG-ST-7001	Please kindly provide the technical specification HDPE Bonded Waterproofing Membrane as indicated in the drawing.	Please refer to TS233 for HDPE Waterproofing Membrane	
100	ALL	Volume 2	Section 6 – II Drawings			NSRP-DWG-ATG-ST-2201	Kindly provide the technical specification for "Geotextile fiber fabric" as stated in the related drawing.	For Geosynthetic material specifications, please refer to TS 205.2.1.	
101	ALL	Volume 2	Section 6 – II Drawings			NSRP-DWG-ATG-ST-2201	Kindly provide the technical specification for "sweep pipe VP 465" as stated in the related drawing.	As per TS 110.2, Material requirement of PVC pipes shall conform with ASTM D1784.	
102	ALL	Volume 2	Section 6 I Specifications B Technical Specifications TS400	20	401.2.6.4	The number of piles to be tested by this method shall be proposed by the Contractor and agreed with the Engineer prior to commencement of any piling works on-site.	It is stated as 3% of all piles for Cross hole sonic logging test numbers in the viaduct portion. Please confirm that we can accept the BOQ test numbers for TS400-Structures part or kindly provide a ratio. When 3% is accepted for structure parts, BOQ and specification differ in terms of test numbers.	The number of piles to be tested under Cross Hole Sonic Logging test shall be 3% of all piles according to TS400 Structures. The quantities for Cross Hole Sonic Logging Test are correct and represent 3% of the total/cumulative number of Bored Piles (excluding Test Piles) in accordance to SCRP, TS 400, Section 401.2.6.4 and issued drawings.	
103	ALL	Volume 2	Section 6 I Specifications B Technical Specifications TS400	19	401.2.6.2	The minimum number of tests to be conducted for confirming the capacity shall be 2% of all piles shown on the Drawings (fractional number rounded up to the next higher integer number).	Please confirm that 2% of all piles means 2% of total number of piles not 2% of each type of pile such as 1200mm, 1500 mm (static load tests)	The minimum number of tests to be conducted for confirming the capacity shall be 2% of all piles shown on the Drawings (fractional number rounded up to the next higher integer number). Therefore its confirm that 2% accounts for all piles. In addition, it is encouraged to test 2% of each type of pile for equal probability, which amounts also to 2% of all piles.	
104	ALL	Volume 2	Section 6 I Specifications B Technical Specifications TS400	18	401.2.6	Piling test numbers	Please indicate that BOQ or Technical Specification prevails regarding the test numbers since there is a contradiction between them.	The Bidder is advised that the BOQ Quantities for the respective Piling Test are in accordance with the requirements of the Technical Specifications. Please refer to TS 400, Section 401, Sub-section 401.2, Clause 401.2.6; Sub-Clauses 401.2.6.2, 401.2.6.3 and 401.2.6.4.	
105	ALL	Volume 2	Section 6 – II Drawings			NSRP-DWG-VIA00-ST-0402	NOTES 5. ALL EXPOSED CONCRETE SURFACES SHALL HAVE CLASS 2 SURFACE FINISH TO THE PROJECT SPECIFICATION AND ARE TO BE TREATED WITH AN APPROVED ANTI-GRAFFITI COATING IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE ANTI-GRAFFITI TREATMENT MUST BE CAPABLE OF BEING REAPPLIED WHEN REQUIRED IN ORDER TO MAINTAIN THE PERFORMANCE CHARACTERISTICS OF THE COATING SUCH AS MAINTAINING COLOUR CONSISTENCY. THE GRAFFITI COATING SHALL BE ACCORDANCE WITH APAS SPECIFICATION 1441.	According to the notes in the mentioned drawings, it is understood that all the class 2 surface finish will be treated with anti-graffiti coating. On the other hand, according to BOQ item no. 211 "Anti-graffiti coating to piers 3m high from ground level to all exposed concrete". Please kindly clarify which one will govern for the payment. The Bidder is advised to adhere to the specified height of Anti-graffiti coating application to piers/exposed concrete - as per work item description of Item 232 in the BOQ, Bill No. 3, (The Bidder is informed that the Item No. for Anti-graffiti coating has been revised to Item 232. Please refer to the updated BOQ which shall be issued as Addendum 4).	

CF S01-02 Responses to Bid Requests (Batch 8)

No.	Packages	Volume	Section	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response
106	ALL	Volume 1A	Section 4A Bill of Quantities	19-May	12	<p>The prices set out in the Bills of Quantities as Lump Sum are fixed prices except where otherwise provided for the Contract. Notwithstanding Clause 14.1 (d) of the General Conditions of Contract, in accordance with the Employer's Requirements the Bidder is to provide a detailed breakdown of each Lump-Sum entered into the BOQ, identifying the following elements of the total:</p> <p>(a) Preliminaries (where not already priced in Bill no.1) (b) Temporary Works (c) Construction Equipment (where not already priced in Bill no. 1) (d) Labor and supervision (e) Materials (f) Others</p> <p>In addition to the above, within twenty-eight (28) days of the Commencement Date, the Contractor shall submit a similar detailed breakdown for all rates and prices contained within the accepted Bid.</p>	<p>Please kindly confirm that a detailed breakdown of each Lump-Sum items such as item 211 (Anti-graffiti coating to piers 3m high from ground level to all exposed concrete) in Bill No.3 which are not included in Bill no.1, the Bidders are required to provide a breakdown as mentioned and submit during the tender submission. Is breakdown also required for the Lump-Sum items in Bill No.17.</p>	<p>It is confirmed that the Bidder should provide detailed breakdown for All Lump Sum Items in the BOQ.</p>
107	ALL	Volume 2	Section 6	23	List Of Historical Sites	SCRIP ITEM10.14 - Historical Site Structures_Vol 1 of 2	<p>In the list of Historical Sites - Database table, Building number 2 (Antipolo Signal Outpost)'s condition is "Reloc". However in site data SCRIP ITEM10.14 - Historical Site Structures_Vol 1 of 2 file same named building condition specified as "May Be Demolished (MBD)". Please kindly clarify which document will govern.</p>	<p>SCRIP ITEM10.14 - Historical Site Structures_Vol 1 of 2 will govern.</p>
108	ALL	Volume 1A	Section 4A Bill of Quantities		Bill No.4	Doors And Windows - Item No 526(4b) , 526(8)a ,526(11) , 526(11)a , 526(12) ,526(13)a	<p>Could you please confirm that for doors with louvers (Bottom, Half or Full) have fire ratings of 90min.</p>	<p>Confirmed that the 90 minutes fire rating is acceptable if the area is equipped with an Automatic Fire Sprinkler/Suppression System.</p>