



General Bid Bulletin No. 26
31 May 2021

IFB NO. 20-031-6

SOUTH COMMUTER RAILWAY PROJECT
FOR PACKAGES CP S-04, CP S-05, CP S-06 AND CP S-07
CONSTRUCTION OF CIVIL STRUCTURES: VIADUCTS, BRIDGES,
NINE (9) STATIONS AND DEPOT

TO ALL PROSPECTIVE BIDDERS:

This General Bid Bulletin is issued to amend/clarify certain provisions in the Bidding Documents for the abovementioned project. Please refer to the attached Annex A of this General Bid Bulletin duly approved by the End-user and Co-Implementer for details:

1. **Annex "A"** – CP S-04 to 07 Responses to Clarifications Requests (Batch 17)

For your information and guidance.

For the Bids and Awards Committee VI,

SIGNATURE REDACTED

WEBSTER M. LAUREÑANA
Chairperson

CP S04-07 Responses to Clarification Requests (Batch 17)

ANNEX "A"

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05		Volume 1 & Section 3	EQC 23 EQC 24	2.4. Construction Experience		Following the addendum 2 in EQC24 regarding Key Experience for Viaduct using Precast Concrete Box Girder - Segmental span by span technique, we'd like to clarify if the attached cross section for the double box girder can be measured 2x for the computation of required length of 4km? We'd like to emphasize that it is shown in the cross sectional drawing that the road is composed of 2 split viaducts supported by 1 pier.	<i>Based on the information provided in the clarification request, the two split viaduct deck could be considered to be measured 2x for the computation to meet required length. However, Bidder shall provide all necessary supporting documents together with their Bid, for Employer to further review and assess the qualification requirement.</i>
S-06		Volume 1 & Section 3	EQC 23 EQC 24	2.4. Construction Experience		Following the addendum 2 in EQC24 regarding Key Experience for Viaduct using Precast Concrete Box Girder - Segmental span by span technique, we'd like to clarify if the attached cross section for the double box girder can be measured 2x for the computation of required length of 4km? We'd like to emphasize that it is shown in the cross sectional drawing that the road is composed of 2 split viaducts supported by 1 pier.	<i>Based on the information provided in the clarification request, the two split viaduct deck could be considered to be measured 2x for the computation to meet required length. However, Bidder shall provide all necessary supporting documents together with their Bid, for Employer to further review and assess the qualification requirement.</i>
S-05		Vol.1 Sec4	Bidding Form BF12	Bid Security		"Can a bidder submit all kinds of guarantees(Bid, AP, P Bonds) from surety companies?; Provided that Guarantees are unconditional and irrevocable as a bidding form?"	<i>Bidder is advised that the Bid Security, Advance Payment Security and Performance Security shall be issued by "an unconditional bank guarantee" (ITB 19.3 Bid Security) from "a reputable bank or financial institution (GCC 4.2 Performance Security, GCC 14.2 Advance Payment)</i>
S-06		Vol.1 Sec4	Bidding Form BF12	Bid Security		"Can a bidder submit all kinds of guarantees(Bid, AP, P Bonds) from surety companies?; Provided that Guarantees are unconditional and irrevocable as a bidding form?"	<i>Bidder is advised that the Bid Security, Advance Payment Security and Performance Security shall be issued by "an unconditional bank guarantee" (ITB 19.3 Bid Security) from "a reputable bank or financial institution (GCC 4.2 Performance Security, GCC 14.2 Advance Payment)</i>
S-07		Vol.1 Sec4	Bidding Form BF12	Bid Security		"Can a bidder submit all kinds of guarantees(Bid, AP, P Bonds) from surety companies?; Provided that Guarantees are unconditional and irrevocable as a bidding form?"	<i>Bidder is advised that the Bid Security, Advance Payment Security and Performance Security shall be issued by "an unconditional bank guarantee" (ITB 19.3 Bid Security) from "a reputable bank or financial institution (GCC 4.2 Performance Security, GCC 14.2 Advance Payment)</i>

CP S04-07 Responses to Clarification Requests (Batch 17)

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S-04		Volume 2 - Section 6 Appendix 15 BIM Information Management Flow	26	6. Design Standards	This Drawing & CADD Manual applies to all internal organizations and external originators producing drawings for the NSCR Project. All drawings, including those prepared by external consultants and contractors, shall comply with the standards set out in this Drawing & CADD Manual	We propose that CADD standards will only be applicable for drawings not made through the BIM Model. Drawings exported from the BIM Model will not comply with these standards	<i>Bidder is advised that CADD standards should be applicable to both the CAD drawings and the drawings extracted from the BIM model.</i>
S-04		Volume 2 - Section 6 Appendix 15 BIM Information Management Flow	14	2. BIM Model Structure	NSCR-EX BIM Model Structure will be based on the following sub geo structure: a. Depot As-Built Model Structure b. Outlying As-Built Model Structure c. Elevated Station As-Built Model Structure d. Underground Station As Built Model Structure e. Liner Structure-Viaduct As-Built Mode Structure f. Linear Structure-Tunnel As-Built Model Structure g. Linear Structure-Cut and Cover As-Built Model Structure	Please confirm that only subsections 2.4, 2.5, and 2.8 are applicable to S-06	<i>Confirmed only sub-sections 2.4, 2.5, and 2.8 are applicable to S-04 will be developed by the Bidder/Contractor, however sub-section 2.3 will also be developed since there are outlying buildings within the vicinity of the elevated stations.</i>
S-04		Volume 2 - Section 6 Appendix 15 BIM Information Management Flow	14	2. BIM Model Structure	NSCR-EX BIM Model Structure will be based on the following sub geo structure: a. Depot As-Built Model Structure b. Outlying As-Built Model Structure c. Elevated Station As-Built Model Structure d. Underground Station As Built Model Structure e. Liner Structure-Viaduct As-Built Mode Structure f. Linear Structure-Tunnel As-Built Model Structure g. Linear Structure-Cut and Cover As-Built Model Structure	Please confirm that all elements required to be part of the As Built model are included in the Engineer's model to be submitted to the contractor at LOD300	<i>LOD 300 models will be produced by the Engineer/Employer as per approved IFC drawings, however during the development of the as-builts any missing element will be developed by the Bidder/Contractor to produce the LOD 500 as-built model without any additional cost.</i>
S-04		Volume 2 - Section 6 Appendix 15 BIM Information Management Flow	14	2. BIM Model Structure	NSCR-EX BIM Model Structure will be based on the following sub geo structure: a. Depot As-Built Model Structure b. Outlying As-Built Model Structure c. Elevated Station As-Built Model Structure d. Underground Station As Built Model Structure e. Liner Structure-Viaduct As-Built Mode Structure f. Linear Structure-Tunnel As-Built Model Structure g. Linear Structure-Cut and Cover As-Built Model Structure	Please confirm that only subsections 2.1, 2.2, 2.3 are applicable to S-07	<i>Confirmed sub-sections 2.1, 2.2, 2.3 are applicable to S-07 will be developed by the Bidder/Contractor</i>

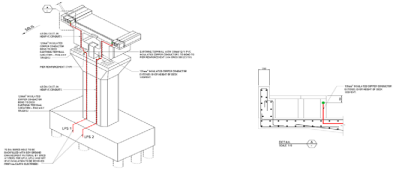
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S-04		Volume 2 - Section 6 Appendix 15 BIM Information Management Flow	14	2. BIM Model Structure	NSCR-EX BIM Model Structure will be based on the following sub geo structure: a. Depot As-Built Model Structure b. Outlying As-Built Model Structure c. Elevated Station As-Built Model Structure d. Underground Station As Built Model Structure e. Liner Structure-Viaduct As-Built Mode Structure f. Linear Structure-Tunnel As-Built Model Structure g. Linear Structure-Cut and Cover As-Built Model Structure	Please confirm that all elements required to be part of the As Built model are included in the Engineer's model to be submitted to the contractor at LOD300	<i>LOD 300 models will be produced by the Engineer/Employer as per approved IFC drawings, however during the development of the as-builts any missing element will be developed by the Bidder/Contractor to produce the LOD 500 as-built model without any additional cost.</i>
S-06		Vol 3 Part III – Conditions of Contract, Section 8, Particular Conditions of Contract, Part A – Contract Data	PCC5	Maximum amount of deductibles for insurance of the Employer’s risks	GCC 17.3(c) – commotion and riots – 150,000 USD per occurrence. GCC 17.3(g) – Employers Design risks – 250,000 USD per occurrence. GCC 17.3(h) – Natural Catastrophes – 250,000 USD per occurrence	The Bidder would like to request to the Employer that the amount of deductible to adopt with appropriate deductible amount suggested by the reputable international Insurance Company since it is difficult to find a global reinsurance market to commercially accept the specified deductible amount.	<i>Bidder is referred to Addendum 4 information regarding insurance deductables.</i>
S-04		Vol.2 Sec. 6 IV Equipment	12	Equipment Requirement for S-06		With respected to the referred section, the list of required equipment is defined by tender document. - There are some items classified to Material such as Moulds, Cantilever bridge forms, Construction access bridges and Protection Fencing. For these kind of item, Is Tenderer required to provide Material detail OR to provide equipment list to Install these material item? Kindly clarify it. -There are some items classified to Subclass such as Lifting Equipment, Stressing equipment and Sheet steel pile driving / extraction. For these kind of item, Is Tenderer required to list up equipment which comprise of each item or is there other specific detail of each item? please clarify.	<i>It shall be Bidder's responsibility to provide list of major equipments that they will be using, for Employer's evaluation. The list provided shall serve as indicative only.</i>

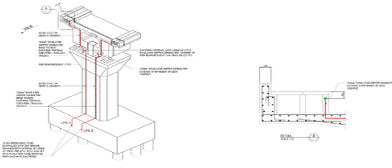
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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05		Vol.2 Sec. 6 IV Equipment	12	Equipment Requirement for S-06		<p>With respected to the referred section, the list of required equipment is defined by tender document.</p> <p>- There are some items classified to Material such as Moulds, Cantilever bridge forms, Construction access bridges and Protection Fencing. For these kind of item, Is Tenderer required to provide Material detail OR to provide equipment list to Install these material item? Kindly clarify it.</p> <p>-There are some items classified to Subclass such as Lifting Equipment, Stressing equipment and Sheet steel pile driving / extraction. For these kind of item, Is Tenderer required to list up equipment which comprise of each item or is there other specific detail of each item? please clarify.</p>	<p><i>It shall be Bidder's responsibility to provide list of major equipments that they will be using, for Employer's evaluation. The list provided shall serve as indicative only.</i></p>
S-05		-	-	BOQ 202 (1)a	Removal of Existing PCC Pavement	<p>BOQ Item No. 202 1(a), there is a Removal of Existing PCC Pavement. As we understand this item is shown in the drawing ref no. VIA05-ST-0012~0048 as below:</p> <ol style="list-style-type: none"> 1) Existing road to be decommissioned 2) Existing pavement to be removed and replaced 3) Existing pavement to be removed <p>Please confirm that quantities in BOQ is total sum of above three items or not.</p> <p>Can we have thickness of existing road in each location in order us to get precise quotation?</p>	<p><i>The Bidder is advised that the Unit of the Removal of Existing PCC Pavement is in "sqm" (m2), hence, thickness of existing road is not required.</i></p> <p><i>Only Plan View of Existing road is available in topo survey data (Site Data item 10.01) - No cross-section data is available.</i></p>
S-06		Vol.2 PART II - Requirements Section 6 - Employer's Requirement IC- S TS 200	T/S No. 206.7.8.1	Maximum temperature and temperature difference		<p>It is nearly possible to meet Temperature requirement for Mass Concrete considering nature of Philippines. Please advise if this requirement can be alleviated</p>	<p><i>Contractor shall follow TS-206.7.8 Mass Concrete and TS-206.803 Hot weather protection.</i></p>

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S-06		Vol.2 Sec. 6 IV Equipment	12	Equipment Requirement for S-06		<p>With respected to the referred section, the list of required equipment is defined by tender document.</p> <p>- There are some items classified to Material such as Moulds, Cantilever bridge forms, Construction access bridges and Protection Fencing. For these kind of item, Is Tenderer required to provide Material detail OR to provide equipment list to Install these material item? Kindly clarify it.</p> <p>-There are some items classified to Subclass such as Lifting Equipment, Stressing equipment and Sheet steel pile driving / extraction. For these kind of item, Is Tenderer required to list up equipment which comprise of each item or is there other specific detail of each item? please clarify.</p>	<i>It shall be Bidder's responsibility to provide list of major equipments that they will be using, for Employer's evaluation. The list provided shall serve as indicative only.</i>
S-06		Vol.2 Sec. 6 IV Equipment	12	Equipment Requirement for S-06		<p>With respected to the referred section, the list of required equipment is defined by tender document.</p> <p>However, we are not considering the mobilization of some equipment such as Jack-up Barge on our Construction Method. In this situation, Is it required to fill up detail of equipment and form EQU for this equipment or Tenderer can omit this item on their Proposal ? Kindly clarify it.</p>	<i>It shall be Bidder's responsibility to provide list of major equipments that they will be using, for Employer's evaluation. The list provided shall serve as indicative only.</i>
S-05		Vol.2	GS - 56 TS 600 -28	GS 116.3 Factory Acceptance Tests (FAT) TS 601.1.6 Testing and Commissioning	Factory Acceptance Test (FAT) shall be conducted for all Custom-build Equipment.	Please provide the list and the number of representatives from client side.	<i>Bidder is advised to refer to the updated GS in Addendum 3. Bidder is advised that 6 representatives from Employer and Engineer will be required. List of representatives will be provided to the Contractor prior to the scheduled FAT.</i>
S-05		Vol.2	Drawing	NSRP-DWG-VIA00-ST-1901		<p>Lightning Arrester which is shown in drawing NSRP-DWG-VIA00-ST-1901 is not included in the BoQ.</p> <p>Please add this item in to the BoQ if it is the Contractor's scope.</p>	<i>The Bidder is advised / informed that the Lightning Arrester (lighting protection system works) in the mainline-viaduct is not covered by the Civil Works Contractor's Scope of Work. Aforesaid work item shall be within the scope of the E&M Contractor or "By Others".</i>
S-05		GBB20	Batch 11			Regarding the final response to Factory Acceptance Testing in Batch 11, Please clarify that 6 representatives for FAT from Client side is limited to the structural steel works or not. If not, please kindly identify material, plant and other supplies to be required FAT.	<i>Bidder shall refer to General Specification and Technical Specifications. Factory Acceptance Testing is not limited to structural steelworks.</i>

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S-05		Section 4	45	BIM and CMMS Implementation	In addition to the 2-D designs, the Employer will provide BIM design at level LOD 300 post Award of Contract to aid interface coordination	After award, does the LOD 300 model provided by the Employer include the M&E model? If not all models of M&E are provided, please let me know the discipline of M&E where 3D models are provided.	<i>LOD 300 models for stations includes Architecture, Structure and MEP models.</i>
S-06		CP S-06	GS - 56 TS 600 -28	GS 116.3 Factory Acceptance Tests (FAT) TS 601.1.6 Testing and Commissioning	Factory Acceptance Test (FAT) shall be conducted for all Custom-build Equipment.	Please provide the list and the number of representatives from client side.	<i>Bidder is advised to refer to the updated GS in Addendum 3. Bidder is advised that 6 representatives from Employer and Engineer will be required. List of representatives will be provided to the Contractor prior to the scheduled FAT.</i>
S-06		Vol.2	Drawing	NSRP-DWG-VIA00-ST-1901		Lightning Arrester which is shown in drawing NSRP-DWG-VIA00-ST-1901 is not included in the BoQ. Please add this item in to the BoQ if it is the Contractor's scope.	<i>The Bidder is advised / informed that the Lightning Arrester (lighting protection system works) in the mainline-viaduct is not covered by the Civil Works Contractor's Scope of Work. Aforesaid work item shall be within the scope of the E&M Contractor or "By Others".</i>
S-06		GBB20	Batch 11			Regarding the final response to Factory Acceptance Testing in Batch 11, Please clarify that 6 representatives for FAT from Client side is limited to the structural steel works or not. If not, please kindly identify material, plant and other supplies to be required FAT.	<i>Bidder shall refer to General Specification and Technical Specifications. Factory Acceptance Testing is not limited to structural steelworks.</i>
S-06		Section 4	45	BIM and CMMS Implementation	In addition to the 2-D designs, the Employer will provide BIM design at level LOD 300 post Award of Contract to aid interface coordination	After award, does the LOD 300 model provided by the Employer include the M&E model? If not all models of M&E are provided, please let me know the discipline of M&E where 3D models are provided.	<i>LOD 300 models for stations includes Architecture, Structure and MEP models.</i>
S-07		CP S-07	GS - 56 TS 600 -28	GS 116.3 Factory Acceptance Tests (FAT) TS 601.1.6 Testing and Commissioning	Factory Acceptance Test (FAT) shall be conducted for all Custom-build Equipment.	Please provide the list and the number of representatives from client side.	<i>Bidder is advised to refer to the updated GS in Addendum 3. Bidder is advised that 6 representatives from Employer and Engineer will be required. List of representatives will be provided to the Contractor prior to the scheduled FAT.</i>
S-07		Vol.2 Section 6. III. Supplementary Information	29	Access to Sites	The Contractor for S-06 will be required to give 24/7 access from day one of the contractor to S-07 Contractor for 300+ truck movements each way per day through Villa Palao Road with extending southward.	We noted that the Contractor for S-06 will 24/7 access from day one of the contract to S-07 Contractor. Does day one mean commencement date of the contract of S-06 ?	<i>Bidder is advised that the day one means the commencement date of CPS-07.</i>
S-07		GBB20	Batch 11			Regarding the final response to Factory Acceptance Testing in Batch 11, Please clarify that 6 representatives for FAT from Client side is limited to the structural steel works or not. If not, please kindly identify material, plant and other supplies to be required FAT.	<i>Bidder shall refer to General Specification and Technical Specifications. Factory Acceptance Testing is not limited to structural steelworks.</i>

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S-06		Vol.1A Sec.4A BOQ		BOQ No.2	Part D 206(9)d Part D 207(4)a Part D 207(4)b	Please clarify discrepancy between sum of Structural Cast in Situ Concrete and reinforcing steel for retaining wall in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of Structural Cast in Situ Concrete and reinforcing steel for the retaining wall is consistent with the drawing nos. NSRP-DWG-VIA06-RD-2014, RD-3039, RD-3040, RD-3100, RD-3101 and RD-310 rev 21.2. and NSRP-DWG-VIA06-RD-3039, RD-3040, Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.1 207(2)a	Please clarify discrepancy between sum of reinforcing steel for bored pile in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for Bored Piles is consistent with the drawing nos. NSRP-DWG-VIA00-ST-0321 to 0325 rev 21.2, NSRP-DWG-VIA06-ST-0101- to 0104 rev 21, NSRP-DWG-VIA06-ST-0105 rev 21.2. and NSRP-DWG-VIA06-ST-0106 rev 21.3. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.3 206(1)c Part B.3 206(1)d	Please clarify discrepancy between sum of structural cast in situ concrete for pier head and cross beam in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of the structural cast-in-situ concrete for pier head & cross beam is consistent with the drawing no. NSRP-DWG-VIA00-ST-0645 rev 21.3 and NSRP-DWG-VIA00-ST-0646 to 0649 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.5 206(2)a	Please clarify discrepancy between sum of structural concrete for cast-in-situ balanced cantilever box girder in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for cast-in-situ balanced cantilever is consistent with the drawing nos. NSRP-DWG-BC07-ST-8062 to 8072 rev 21, NSRP-DWG-BC08-ST-9062 to 9072 rev 21.. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.5 207(2)e	Please clarify discrepancy between sum of reinforcing steel for cast-in-situ balanced cantilever box girder in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for cast-in-situ balanced cantilever is consistent with the drawing nos. NSRP-DWG-BC07-ST-8081 to 8086 rev 21, NSRP-DWG-BC08-ST-9081 to 9086 rev 21.. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.5 208(1)b	Please clarify discrepancy between sum of pre-stressing steel for cast-in-situ balanced cantilever box girder in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of prestressing steel for cast-in-situ balanced cantilever is consistent with the drawing nos. NSRP-DWG-BC07-ST-8091 to 8097 rev 21, NSRP-DWG-BC08-ST-9091 to 9097 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.6 206(2)b	Please clarify discrepancy between sum of structural concrete for cast-in-situ construction on false works in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for cast-in-situ construction on falseworks is consistent with the drawing nos. NSRP-DWG-CIS40-ST-0011 to 0015 rev 21, NSRP-DWG-CIS50-ST-0011 to 0015 rev 21, NSRP-DWG-CIS80-ST-0011 to 0017 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.6 207(2)f	Please clarify discrepancy between sum of reinforcing steel for cast-in-situ construction on false works in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for cast-in-situ construction on falseworks is consistent with the drawing nos. NSRP-DWG-CIS40-ST-0031 to 0033 rev 21, NSRP-DWG-CIS50-ST-0031 to 0033 rev 21, NSRP-DWG-CIS80-ST-0031 to 0038 rev 21 Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.6.208(1)a	Please clarify discrepancy between sum of pre-stressing steel for cast-in-situ construction on false works in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of prestressing steel for cast-in-situ construction on falseworks is consistent with the drawing nos. NSRP-DWG-CIS40-ST-0041 to 0043 rev 21, NSRP-DWG-CIS50-ST-0041 to 0044 rev 21, NSRP-DWG-CIS80-ST-0041 to 0046 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.8.206(5)e	Please clarify discrepancy between sum of structure Cast in situ Concretefor RC Slab of Steel Tied Arch Bridgein drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structure Cast in situ Concrete for RC Slab of Steel Tied Arch Bridge is consistent with the drawing nos. NSRP-DWG-BR215-ST-0251 to 0252 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.8.207(2)s	Please clarify discrepancy between sum of reinforcing steel for RC Slab of Steel Tied Arch Bridgein drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for RC Slab of Steel Tied Arch Bridge is consistent with the drawing nos. NSRP-DWG-BR215-ST-0261 to 0262 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.8.231(1)	Please clarify discrepancy between sum of stay cable in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of stay cable is consistent with the drawing nos. NSRP-DWG-BR215-ST-0241 to 0243 rev 21.3 & NSRP-DWG-BR215-ST-0241 to 0243 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.9.207(3)a	Please clarify discrepancy between sum of reinforcing in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of sum of reinforcing steel is consistent with the drawing nos. NSRP-DWG-ATG-ST-6202 to 6204 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.9.209(5)a	Please clarify discrepancy between sum of Expansion Joint Assemblies for At-grade Structures in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of sum of Expansion Joint Assemblies for At-grade Structures is consistent with the drawing nos. NSRP-DWG-ATG-ST-7000 to 7001 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.9.122(1)a	Please clarify discrepancy between sum of Drain PVC Pipe (100) and Accessories for At-grade Structures in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of Drain PVC Pipe (100) and Accessories for At-grade Structures is consistent with the drawing nos. NSRP-DWG-ATG-ST-6200 to 6201 rev 21 Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.9.122(1)b	Please clarify discrepancy between sum of Drain PVC Pipe (150) and Accessories for At-grade Structures in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of Drain PVC Pipe (150) and Accessories for At-grade Structures is consistent with the drawing nos. NSRP-DWG-ATG-ST-6200 to 6201 rev 21 Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.11 206(8)e	Please clarify discrepancy between sum of structural concrete for emergency staircases in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for emergency staircases is consistent with the drawing nos. NSRP-DWG-VIA00-ST-1681 to 1683 rev 21 Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.11 207(2)v	Please clarify discrepancy between sum of reinforcing steel for emergency staircases in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for emergency staircases is consistent with the drawing nos. NSRP-DWG-VIA00-ST-1681 to 1683 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part C 122(1) Part C 122(2) Part C 122(2)a	Please clarify discrepancy between sum of Drain PVC Pipes and Accessories for Elevated Section in drawings and BOQ	<i>The Bidder is advised that the BOQ quantity / sum of Drain PVC Pipes and Accessories is consistent with the drawing nos. NSRP-DWG-VIA00-ST-1351 rev 21.3 Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part D 206(8)e Part D 206(11)a	Please clarify discrepancy between sum of structural concrete for protective concrete topping and cable trough upstands in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for protective concrete topping and cable trough upstand is consistent with the drawing nos. NSRP-DWG-VIA00-ST-0901 to 0902 rev 21.3, ST-0921 rev 21, ST-0941 rev 21, ST-0942 rev 21.3, ST-0946 to 0947 rev 21.3, ST-0951 to 0952 rev 21.3, ST-0961 to 0971 rev 21.3, ST-0981 to 0982 rev 21.3. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part D 207(2)n	Please clarify discrepancy between sum of reinforcing steel for pier wall, parapet wall, secondary, concrete slab and cable trough upstands in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for the cable trough upstand is consistent with the drawing nos. NSRP-DWG-VIA00-ST-1001 rev 21, ST-1002 to 1003 rev 21.3, ST-1021 rev 21, ST-1022 rev 21.3, ST-1041 rev 21.3, ST-1051 rev 21.3, ST-1061 rev 21.3. Please refer to the Updated BOQ with the revised work item description for Item No. 207(2)n. Updated BOQ shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.3	Part D 206(11)c	Please clarify discrepancy between sum of Precast Cover Precast Concrete Cover to Cable Trough (Type-2) – reinforcement to be included in the unit rate in drawings and BOQ.	<i>The BOQ shall be revised for the appropriate work description and updated quantity of Item 206(11)c. Updated / revised BOQ shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-1	Part C.1 403(1) Part C.1 403(2)a	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel is consistent with the drawing no. NSRP-DWG-STA-ST-4002 rev. 21.3 and to all other applicable Station Structures' Structural drawings. Further, the BOQ quantity / sum is also consistent with the Technical Specifications method of measurements per SCRP_TS 400_Annex A, Section 403. Please refer to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i>

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S-06		Vol.1A Sec.4A BOQ		BOQ No.4-1	Part C.1 405(1)a Part C.1 405(6)a Part C.1 405(7)a Part C.1 405(9)a Part C.1 405(16)a	Please clarify discrepancy between sum of structural concrete for pile cap/footing, Tie beam, slab on fill and blinding concrete in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for pile cap/footing, column, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete are consistent with the drawing nos. NSRP-DWG-CAB-ST-4121,4131,4203,4204,4205rev. 21.3, NSRP-DWG-CAB-ST-,4141,4201, 4202,4136,4212,4211,4213,4301,4402,4421 to 4425,4431, 4447,4450,4461 rev. 21, NSRP-DWG-CAB-ST-4411,4412,4413,4441 to 4446,4448,4449 rev. 21.1, NSRP-DWG-CAB-ST-4111,4302,4401 rev. 21.2. The BOQ quantity / sum are also consistent with the Technical Specifications Method of Measurements for Concrcte Structures per SCRP_TS_400_Annex A, Section 405. Please refer to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-1	Part C.1 408(1)	Please clarify discrepancy between sum of structural steel, furnished, fabricated and erected in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel (furnished, fabricated and erected) is consistent with the drawing nos. NSRP-DWG-CAB-ST-4521, rev 21.3; NSRP-DWG-CAB-ST-4522 rev. 21; NSRP-DWG-CAB-ST-4531; 4532; & 4534, rev. 21.2; and NSRP-DWG-CAB-ST-4533, rev. 21.3. The Bidder is further advised to refer to the Technical Specifications, SCRP_TS 400_Annex A, Section 408 and to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-1	Part C.1 408(8)	Please clarify discrepancy between sum of structural steel for elevator frame in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel for elevator frame is consistent with the drawing nos. NSRP-DWG-CAB-ST-4471, 4473 Rev. 21.1 & NSRP-DWG-CAB-ST-4472 Rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 3.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-1	Part C.1 408(11)	Please clarify discrepancy between sum of structural steel frame (furnished, pre-painted & installed), for STFE tension membrane roofing in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel frame (furnished, prepainted & installed) is consistent with the drawing nos. NSRP-DWG-CAB-ST-4161,4166 rev. 21 & NSRP-DWG-CAB-ST-4151 rev 21.3 NSRP-DWG-CAB-ST-4501,4503 rev. 21.3 & NSRP-DWG-CAB-ST-4502 rev. 21.1. Please refer to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-1	Part C.1 507(1)b Part C.1 507(1)c Part C.1 507(1)d Part C.1 507(1)f Part C.1 507(1)g Part C.1 507(1)i	Please clarify discrepancy between sum of expansion joints and joint cover assemblies in drawings and BOQ.	<i>The drawings shall be revised to include details for (1)Floor to Floor and Floor to Wall Expansion Joints; (2)Ceiling to Ceiling and Wall to Ceiling Expansion Joint; and (3)Wall to Wall Expansion Joint. The revised drawings for Cabuyao Station Architectural Works shall be issued in the Addendum 3.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-2	Part C.1 403(1) Part C.1 403(2) Part C.1 403(2)a	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel is consistent with the drawing no. NSRP-DWG-STA-ST-4002 rev. 21.3 and to all other applicable Station Structures' Structural drawings. Further, the BOQ quantity / sum is also consistent with the Technical Specifications method of measurements per SCRP_TS 400_Annex A, Section 403. Please refer to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-2	Part C.1 405(1)a Part C.1 405(6)a Part C.1 405(8)a Part C.1 405(9)b Part C.1 405(16)	Please clarify discrepancy between sum of structural concrete for pile cap/footing, tie beam, wall, elevated slab, stair, gutter and blinding concrete in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for pile cap/footing, column, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete are consistent with the drawing nos. NSRP-DWG-BAN-ST-4111,4121,4131,4141,4201, 4202,4204,4211,4213,4302,4411, 4431,4446 rev. 21.3, NSRP-DWG-BAN-ST-4136,4203,4212, 4301,4402,4412,4421 to 4425,4442,4443,4445,4447,4450,4461 rev. 21, NSRP-DWG-BAN-ST-4441,4444,4448,4449 rev. 21.1, NSRP-DWG-BAN-ST-4401 rev. 21.2. The BOQ quantity / sum are also consistent with the Technical Specifications Method of Measurements for Concrete Structures per SCRP_TS_400_Annex A, Section 405. Please refer to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-2	Part C.1 408(1)	Please clarify discrepancy between sum of structural steel, furnished, fabricated and erected in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel (furnished, fabricated and erected) is consistent with the drawing nos. NSRP-DWG-BAN-ST-4521, rev 21.3; NSRP-DWG-BAN-ST-4522 rev. 21; NSRP-DWG-BAN-ST-4531; 4532; & 4534, rev. 21.2; and NSRP-DWG-BAN-ST-4533, rev. 21.3. The Bidder is further advised to refer to the Technical Specifications, SCRP_TS 400_Annex A, Section 408 and to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-2	Part C.1 408(8)	Please clarify discrepancy between sum of structural steel for elevator frame in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel for elevator frame is consistent with the drawing nos. NSRP-DWG-BAN-ST-4471, 4472 Rev. 21.3 & NSRP-DWG-BAN-ST-4473 Rev 21.1. Please refer to the Updated Drawings & BOQ which shall be issued as Addendum 3.</i>

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S-06		Vol.1A Sec.4A BOQ		BOQ No.4-2	Part C.1 408(11)	Please clarify discrepancy between sum of structural steel frame (furnished, pre-painted & installed), for STFE tension membrane roofing in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel frame (furnished, prepainted & installed) is consistent with the drawing nos. NSRP-DWG-BAN-ST-4151,4161,4166 rev. 21 & NSRP-DWG-BAN-ST-4501 rev. 21 & NSRP-DWG-BAN-ST-4502 rev 21.3,. Please refer to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-2	Part C.1 408(14)	Please clarify discrepancy between sum of structural steel for additional support of overhead catenary contact system in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel for additional support of catenary system is consistent with the drawing nos. NSRP-DWG-BAN-ST-4523 rev. 21.3. Please refer to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-2	Part C.1 507(1)a Part C.1 507(1)b Part C.1 507(1)c Part C.1 507(1)d Part C.1 507(1)e Part C.1 507(1)f Part C.1 507(1)g Part C.1 507(1)h Part C.1 507(1)i Part C.1 507(1)j	Please clarify discrepancy between sum of expansion joints and joint cover assemblies in drawings and BOQ.	<i>The drawings shall be revised to include details for (1)Floor to Floor and Floor to Wall Expansion Joints; (2)Ceiling to Ceiling and Wall to Ceiling Expansion Joint; and (3)Wall to Wall Expansion Joint. The revised drawings for Banlic Station Architectural Works shall be issued in the Addendum 3.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-3	Part C.1 403(1) Part C.1 403(2) Part C.1 403(2)a	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel is consistent with the drawing no. NSRP-DWG-STA-ST-4002 rev. 21.3 and to all other applicable Station Structures' Structural drawings. Further, the BOQ quantity / sum is also consistent with the Technical Specifications method of measurements per SCR_P TS 400_Annex A, Section 403. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-3	Part C.1 405(3)a Part C.1 405(6)a Part C.1 405(7)a Part C.1 405(8)a	Please clarify discrepancy between sum of structural concrete for column, tie beam, slab on fill, reinforced concrete wall in drawings and BOQ.	<p><i>The Bidder is advised that the BOQ quantity / sum of structural concrete for pile cap/footing, column, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete are consistent with the drawing nos. NSRP-DWG-CAL-ST-4111 to 4141,4411,4412,4413 rev. 21.3, NSRP-DWG-CAL-ST-4201,4202,4204, 4211,4213,4302,4402,4403,4404,4421,4422,4423, 4441,4442,4443, 4444,4445,4446,4447, 4461 rev. 21, NSRP-DWG-CAL-ST-4212,4424, 4431,4448,4449rev. 21.1, NSRP-DWG-CAL-ST-4401 rev. 21.2.</i></p> <p><i>The BOQ quantity / sum are also consistent with the Technical Specifications Method of Measurements for Concrete Structures per SCRIP_TS_400_Annex A, Section 405. Please refer to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i></p>
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-3	Part C.1 408(1) Part C.1 408(8)	Please clarify discrepancy between sum of structural steel forFurnished, Fabricated and Erected and elevator frame in drawings and BOQ.	<p><i>The Bidder is advised that the BOQ quantity / sum of structural steel (furnished, fabricated and erected) and Elevator Frame are consistent with the following drawing nos.</i></p> <p><i>For structural steel:</i> NSRP-DWG-CAL-ST-4521, rev 21.3; NSRP-DWG-CAL-ST-4522 rev. 21; NSRP-DWG-CAL-ST-4531; 4532; & 4534, rev. 21.1; and NSRP-DWG-CAL-ST-4533, rev. 21.3.</p> <p><i>For Elevator frame:</i> NSRP-DWG-CAL-ST-4471, 4473 Rev. 21.1 & NSRP-DWG-CAL-ST-4472 Rev 21.</p> <p><i>The Bidder is further advised to refer to the Technical Specifications, SCRIP_TS 400_Annex A, Section 408 and to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i></p>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-3	Part C.1 408(14)	Please clarify discrepancy between sum of structural steel for additional support of overhead catenary contact system in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel for additional support of catenary system is consistent with the drawing nos. NSRP-DWG-CAL-ST-4523 rev. 21.3. Please refer to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.4-3	Part C.1 507(1)a Part C.1 507(1)b Part C.1 507(1)c Part C.1 507(1)d Part C.1 507(1)e Part C.1 507(1)f Part C.1 507(1)g Part C.1 507(1)h Part C.1 507(1)i Part C.1 507(1)j	Please clarify discrepancy between sum of expansion joints and joint cover assemblies in drawings and BOQ.	<i>The drawings shall be revised to include details for (1)Floor to Floor and Floor to Wall Expansion Joints; (2)Ceiling to Ceiling and Wall to Ceiling Expansion Joint; and (3)Wall to Wall Expansion Joint. The revised drawings for Calamba Station Architectural Works shall be issued in the Addendum 3.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.5	Part B 206(8)d Part B 207(1)e	Please clarify discrepancy between sum of structural concrete and reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete and reinforcing steel are consistent with the drawing nos. For Stations NSRP-DWG-CAB-DR-2000 to DR-2051 Rev. 21, 21.1 & rev 21.3; NSRP-DWG-BAN-DR-2000 to DR-2051 Rev. 21, 21.1 & rev 21.3 ; and NSRP-DWG-CAL-DR-2000 to DR-2051 Rev. 21, 21.1 & rev 21.3; For Mainline Drainage and Realigned Canals NSRP-DWG-VIA06-DR-0000 to DR-4271 Rev 21, 21.1, 21.2 & 21.3</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.6-1	Part D.1 403(1) Part D.1 403(2)	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for the Substation Structures is consistent with the drawing nos. NSRP-DWG-SS15-ST-4301, 4302 and 4311 Rev21. Further, the BOQ quantity / sum of reinforcing steel is also consistent with the Technical Specifications Method of Measurements for Steel Reinforcements SCRP_TS 400_Annex A, Section 403. Please refer to the updated BOQ which shall be issued as Addendum 4.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Vol.1A Sec.4A BOQ		BOQ No.6-1	Part D.1 405(3)b Part D.1 405(10)b Part D.1 405(6)b Part D.1 405(7)b Part D.1 405(9)b Part D.1 405(16)	Please clarify discrepancy between sum of structural concrete for column, beam, tie beam, slab on fill, elevated slab/concrete stairs/concrete gutter and blinding concrete in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for column, beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete are consistent with the drawing nos. NSRP-DWG-SS15-ST-4101 to 4302 rev. 21.3 & NSRP-DWG-SS15-ST-4311,4312 rev. 21.2. The BOQ quantity / sum are also consistent with the Technical Specifications Method of Measurements for Concrete Structures per SCRP_TS_400_Annex A, Section 405. Please refer to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.6-2	Part D.1 403(1) Part D.1 403(2)	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for the Substation Structures is consistent with the drawing nos. NSRP-DWG-SS16-ST-4301, 4302 and 4311 Rev21. Further, the BOQ quantity / sum of reinforcing steel is also consistent with the Technical Specifications Method of Measurements for Steel Reinforcements SCRP_TS_400_Annex A, Section 403. Please refer to the updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.6-2	Part D.1 405(3)b Part D.1 405(10)b Part D.1 405(6)b Part D.1 405(8)b Part D.1 405(9)b Part D.1 405(16)	Please clarify discrepancy between sum of structural concrete for column, beam, tie beam, slab on fill, elevated slab/concrete stairs/concrete gutter and blinding concrete in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for column, beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete are consistent with the drawing nos. NSRP-DWG-SS16-ST-4101 to 4302 rev. 21.3 & NSRP-DWG-SS16-ST-4311,4312 rev. 21.2. The BOQ quantity / sum are also consistent with the Technical Specifications Method of Measurements for Concrete Structures per SCRP_TS_400_Annex A, Section 405. Please refer to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Vol.1A Sec.4A BOQ		BOQ No.6-3	Part D.1 403(1) Part D.1 403(2)	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for the Substation Structures is consistent with the drawing nos. NSRP-DWG-SS17-ST-4301, 4302 and 4311 Rev21. Further, the BOQ quantity / sum of reinforcing steel is also consistent with the Technical Specifications Method of Measurements for Steel Reinforcements SCRP_TS 400_Annex A, Section 403. Please refer to the updated BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.6-3	Part D.1 405(3)b Part D.1 405(10)b Part D.1 405(6)b Part D.1 405(7)b Part D.1 405(9)b Part D.1 405(16)	Please clarify discrepancy between sum of structural concrete for column, beam, tie beam, slab on fill, elevated slab/concrete stairs/concrete gutter and blinding concrete in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for column, beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete are consistent with the drawing nos. NSRP-DWG-SS17-ST-4101 to 4302 rev. 21.3 & NSRP-DWG-SS17-ST-4311,4312 rev. 21.2. The BOQ quantity / sum are also consistent with the Technical Specifications Method of Measurements for Concrete Structures per SCRP_TS 400_Annex A, Section 405. Please refer to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i>
S-06		Vol.1A Sec.4A BOQ		BOQ No.6-4	Part D.1 403(1) Part D.1 403(2)	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for the Substation Structures is consistent with the drawing nos. NSRP-DWG-SS18-ST-4301, 4302 and 4311 Rev21. Further, the BOQ quantity / sum of reinforcing steel is also consistent with the Technical Specifications Method of Measurements for Steel Reinforcements SCRP_TS 400_Annex A, Section 403. Please refer to the updated BOQ which shall be issued as Addendum 4.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response																																																															
S-06		Vol.1A Sec.4A BOQ		BOQ No.6-4	Part D.1 405(10)b Part D.1 405(6)b Part D.1 405(7)b Part D.1 405(8)b Part D.1 405(9)b Part D.1 405(16)	Please clarify discrepancy between sum of structural concrete for beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for column, beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete are consistent with the drawing nos. NSRP-DWG-SS18-ST-4101 to 4302 rev. 21.3 & NSRP-DWG-SS18-ST-4311,4312 rev. 21.2. The BOQ quantity / sum are also consistent with the Technical Specifications Method of Measurements for Concrete Structures per SCRP_TS_400_Annex A, Section 405. Please refer to the Updated Drawings & BOQ which shall be issued as Addendum 4.</i>																																																															
S-06		Vol 4 Appendix 1	BF 6		<table border="1"> <thead> <tr> <th></th> <th>Multiple</th> <th>Discount</th> <th>Multiple</th> <th>Discount</th> <th>Multiple</th> <th>Discount</th> </tr> </thead> <tbody> <tr> <td>S-04</td> <td>S-04</td> <td></td> <td>S-04</td> <td></td> <td>S-04</td> <td></td> </tr> <tr> <td>S-05</td> <td>S-05</td> <td></td> <td>S-05</td> <td></td> <td>S-05</td> <td></td> </tr> <tr> <td>S-06</td> <td></td> <td></td> <td>S-06</td> <td></td> <td>S-06</td> <td></td> </tr> <tr> <td>S-07</td> <td></td> <td></td> <td></td> <td></td> <td>S-07</td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th></th> <th>Multiple</th> <th>Discount</th> <th>Multiple</th> <th>Discount</th> <th>Multiple</th> <th>Discount</th> </tr> </thead> <tbody> <tr> <td>S-04</td> <td>S-04</td> <td></td> <td>S-04</td> <td></td> <td>S-04</td> <td></td> </tr> <tr> <td>S-06</td> <td>S-06</td> <td></td> <td>S-06</td> <td></td> <td></td> <td></td> </tr> <tr> <td>S-07</td> <td></td> <td></td> <td>S-07</td> <td></td> <td>S-07</td> <td></td> </tr> </tbody> </table>		Multiple	Discount	Multiple	Discount	Multiple	Discount	S-04	S-04		S-04		S-04		S-05	S-05		S-05		S-05		S-06			S-06		S-06		S-07					S-07			Multiple	Discount	Multiple	Discount	Multiple	Discount	S-04	S-04		S-04		S-04		S-06	S-06		S-06				S-07			S-07		S-07		<p>1). Can a Bidder modify the table of multiple package in Appendix 1 template?</p> <p>2) Cell for “Discount” in the table, what is the unit for discount? E.g) %, USD, PHP etc..</p>	<p><i>1. The Bidder may modify Appendix 1 as this serves as a template for information purpose only.</i></p> <p><i>2. There is no specific requirement on the methodology of discount to be proposed by the Bidder.</i></p>
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S-07		Book 2 01_S07 ARCH		NSRP-DWG- OCC-AR-3501 NSRP-DWG- OCC-AR-3581		<p>As per details shown in drawings for ‘Fixed Access Ladder’ within pipe shaft, ladder height is 28 meters (from B1 to L5) without any personal fall arrest system (PFAS) or ladder safety system.</p> <p>Please confirm that this complies with Occupational Safety and Health Standards in Philippines.</p>	<p><i>Yes, complying since we provided a ledge/landing platform at every floor level at a max height of 5.1m.</i></p> <p><i>As per “OCCUPATIONAL SAFETY AND HEALTH STANDARDS (as amended, 1989) 1067 : Fixed Ladders: (3) Fixed ladders used to ascend heights exceeding 9 meters (30 ft.).</i></p> <p><i>a. Shall be provided with landing platform for each 6 meters (20 ft.) or fraction thereof;”</i></p>																																																															

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S-07		Vol.3 Section 8	PCC 7	KD03-2 KD04	KD 03-2 - Access to install trackwork · KD 03-2a Areas required for PO · KD 03-2b Areas required for FO KD 04 - Completion of civil works for access road for CPNS-02/NS-03 contractors to commence delivery of Rolling Stock	Please clarify if the bidder understood contents below correctly 1) KD 03-2a → Completion of sub-ballast of a specific part so that NS-01 contractor can start work 2) KD 03-2b → Completion of all sub-ballast in Access Track and Depot area 3) KD 04 → Completion of all PCC Pavement of Road 1 ~ 10 for delivering Rolling Stock	1) KD 03-2a → Completion of sub-ballast of a specific part so that NS-01 contractor can start work 2) KD 03-2b → Completion of all sub-ballast in Access Track and Depot area 3) KD 04 → Completion of suitable access road for delivering Rolling Stock																																																															
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S-06		Vol.2 Part 2 Sec. IC TS 500	TS 500 - 210	519.1.9 Product	A decorative thin film intumescent coating designed for the fire protection of steelwork for two to four (2-4)-hour fire ratings, depending on the design. The recommended use for this product is fireproofing of interior and exterior steel beams, columns, tubes and pipes.	What is the specific fire rating requirement for the steel works?	All steelworks shall require 2-hour fire rating except for critical rooms stated in Section 518.3.7 (Fire-rating Requirements for Rooms/Areas).																																																															
S-06		Volume 2		NSCR-DWG-BAN-SN-6021, NSCR-DWG-CAB-SN-6021, NSCR-DWG-CAL-SN-6021	Waste Water Treatment Plan & Section drawings are not indicated concrete encasement for pre-fabricated FRP tank. Bidder would like to clarify concrete encasement with reinforcement rebar shall include Lump Sum price into BOQ Item No. 618(15), 618(16), 618(17).	The Bidder is advised that the Concrete Base Construction is a subsidiary Item to each respective Wastewater Treatment Plant [re: Item Nos. 618(15), 618(16) & 618(17)]. Please refer to the Technical Specifications, TS 600_Annex A, Section 618, Sub-section 618.1; Clause 618.1.1-Method of Measurement; Item (2) of the Rate of Wastewater Treatment Plant.																																																																

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S-06		Volume 2		NSCR-DWG-BAN-SN-6021, NSCR-DWG-CAB-SN-6021, NSCR-DWG-CAL-SN-6021		Waste Water Treatment Plan & Section drawings indicated Fine Screen (Automatic type) and Dosing Pumps, however could not find installation location. Bidder would like to clarify where to install those items.	<i>Wastewater Treatment Plant (WWTP) Plan & Section drawings indicated Fine Screen (Automatic type) and Dosing Pumps which are only for reference. The experienced sub-contractor shall identify the location of the wastewater treatment plant (WWTP) items that fit the actual field condition with the approval of the Engineer on site. Refer to TS 618.1 - The Work "Wastewater treatment plant shall be designed, fabricated and installed by the experienced Specialist Sub-contractor approved by the Engineer."</i>
S-06		Volume 2		NSCR-DWG-BAN-SN-6021, NSCR-DWG-CAB-SN-6021, NSCR-DWG-CAL-SN-6021		Air Blower is one of major equipment of Waste Water Treatment Plan system, however Waste Water Treatment Plan & Section drawings is not indicated installation location. Bidder would like to clarify where to install those items.	<i>The experienced sub-contractor shall identify the location of the wastewater treatment plant (WWTP) air blower that fits the actual field condition/s with the approval of the Engineer on site. Refer to TS 618.1 - The Work "Wastewater treatment plant shall be designed, fabricated and installed by the experienced Specialist Sub-contractor approved by the Engineer."</i>
S-06		Volume 2 Section 6 - Employer's Requirements IC – Technical Specification		TS 600 - Mechanical, Sanitary and Plumbing		Bidder would like to clarify if do you have preferable brand/model for Mechanical, Sanitary and Plumbing System. If yes, kindly provide.	<i>The Employer doesn't have a preferable brand and model.</i>
S-06		Volume 2 Section 6 - Employer's Requirements IC – Technical Specification		TS 700 – Electrical Works		Bidder would like to clarify if do you have preferable brand/model for Electrical system. If yes, kindly provide.	<i>The Employer doesn't have a preferable brand and model.</i>
S-06		Volume 2 Book 2 (Architectural)	Drawing number NSRP-DWG-STA- AR-3551	01_S06 GENERAL GENERAL STATION ARCHITECTURAL DRAWINGS		The GENERAL STATION EXPANSION JOINT DETAILS drawing indicated model number. Bidder would like to clarify if those are required model/brand. If No, can the bidder propose the brand/model with complying the Specifications requirement.	<i>The Employer doesn't have a preferable brand and model.</i>

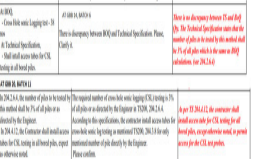
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S-06		Volume 2	Drawing number NSRP-DWG-STA-AR-3504 and NSRP-DWG-STA-AR-3509	Book 2 (Architectural) 01_S06 GENERAL GENERAL STATION ARCHITECTURAL DRAWINGS		Wall type-1, 2, 3, 4, 5 and 7 are indicated brand/model name. Bidder would like to clarify if those are required model/brand. If No, can the bidder propose other wall type such as dray wall with complying the Specifications requirement.	<i>The Employer doesn't have a preferable brand and model.</i>
S-06		Volume 2	Drawing number NSRP-DWG-BAN-ME-5636, Drawing number NSRP-DWG-CAB-ME-5636	Book 2 (Architectural) 05_S06 MPFS CP S-06_04_BAN_ME_PL_SN_FS Drawing number NSRP-DWG-BAN-ME-5636, STAIR PRESSURIZATION DETAILS CP S-06_04_CAB_ME_PL_SN_FS Drawing number NSRP-DWG-CAB-ME-5636, STAIR PRESSURIZATION DETAILS		The location of Fan and related duct deemed to be exposed to the weather. Bidder would like to clarify that these Fan, related duct and equipment shall be outdoor type or apply weatherproof paints such as outdoor type Fan and stainless-steel duct.	<i>The fan that is located or exposed to the weather must be weatherproof type. No need for special paint and the like. Outdoor Duct shall be GI sheet. Thickness and installation shall be according to SMACNA standard, no need for stainless steel.</i>
S-06		Volume 2	Drawing number NSRP-DWG-BAN-FS-6631	Book 2 (Architectural) 05_S06 MPFS CP S-06_04_BAN_ME_PL_SN_FS Drawing number NSRP-DWG-BAN-FS-6631 BANLIC STATION EQUIPMENT SCHEDULE		It is indicated 1800RPM,3-phase. Bidder would like to clarify if bidder can propose more RPM such as 3560 RPM advise frequency of Philippine is 60Hz and 1800RPM only available 50Hz in the market.	<i>Yes, it should be 3500 rpm. NSRP-DWG-BAN-FS-6631 will be revised and issued in Addendum 4</i>
S-06		Volume 2	Drawing number NSRP-DWG-BAN-FS-662	Book 2 (Architectural) 05_S06 MPFS CP S-06_04_BAN_ME_PL_SN_FS Drawing number NSRP-DWG-BAN-FS-6621 BANLIC STATION PUMP ROOM LAYOUT AND FIRE RESERVED DETAIL		Single line indicated one Suction pipe from the water storage tank and water storage tank has two of High-Low float less switch. Bidder would like to clarify that water storage tank is require the separator/ partition inside of the tank. If Yes, Bidder shall provide the equalization connection pipe with OS&Y gate valve and supervisory switch.	<i>The Fire Water Tank does not require partition/s inside the tank.</i>

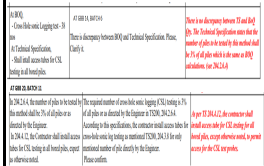
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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Volume 2		NSRP-DWG-BAN-EL-5920, 5921, 5922, NSRP-DWG-CAB-EL-5920, 5921, 5922, NSRP-DWG-CAL-EL-5920, 5921, 5922,		Power supply for Street LED Lamp. Bidder would like to clarify, does the cable be installed in a duct bank with handhole/manhole? How about the provision for grounding for poles? Switch for street light will be thru Panel's breaker only	<i>The cables (inside the conduit) for lamp post are buried underground. There is a handhole adjacent to each lamp post. Refer to sheets NSRP -DWG-BAN- 5920 & 5921 rev21.3, NSRP -DWG-CAB-5920 & 5921 rev21.3 , and NSRP -DWG-CAL-5920 & 5921 rev21.2 . There is a provision for grounding of poles. Refer to sheet NSRP- DWG-STA-EL-5005 rev21.3 Street led lamp are installed with photosensor and timer. Refer to sheet NSRP-DWG-CAL-EL-5508 rev21.1, NSRP-DWG-BAN-EL-5508 rev21.1, and NSRP-DWG-CAB-EL-5508 to be issued as rev21.3</i>
S-06		Volume 2	TS700 - 137	TS 715.1.3 Devices, NSRP-DWG-BAN-EL-5802		Based on NSRP-DWG-BAN-EL-5802, Cameras are IP cameras, which uses digital signal. In TS 715.1.3, resolution is in Analog, which is 480 TV lines. Bidder would like to clarify the Digital resolution requirement for IP Cameras.	<i>The CCTV system is not part of scope of work of the bidder. It is under the scope of CP NS-01 (E&M systems & Trackworks). Refer to TS 715.1 issued in Addendum 3</i>
S-04		Vol. 2 Section 6 - Employer's Requirements Responses to Clarification Requests in Batch 2	TS-100 – Annex A - 23	207 REINFORCING STEEL Responses to Clarification Requests in Batch 2	[207 REINFORCING STEEL] The quantities shall be computed from the bending schedules prepared by the Contractor as a part of his Shop Drawing submission and approved by the Engineer. [Responses to Clarification Requests in Batch 2] 2) Bidder is advised that the quantities of lap splicing stated in the drawings issued for contract will be paid by the Employer.	1) Please clarify that the payment of reinforcing steel will be calculated(remeasured) based on Shop Drawing approved by the Engineer. 2) Please calrify that the payment quantity of reinforcement steel includes lap splicing stated in the Shop Drawing approved by Engineer.	<i>1. Bidder is advised this is an ad-measurement contract. 2. No allowance shall be made for cutting, waste, laps or circular work.</i>
S-04		Vol. 1A Sec 4A Bill of Quantities	-	Bill No. 4-1, 4-2	548(7) Fireproofing (Intumescent Paint for Metal/ Steel) 548(4) High-performance Urethane Coatings (Metal / Steel Painting)	Please clarify that Painting works items are applied and paid for all structrue works as below items; 408(1) Structural Steel, Furnished, Fabricated and Erected 408(8) Structural Steel (For Elevator Frame) 408(11) Structural Steel Frame (Furnished, Prepainted & Installed), for STFE Tension Membrane Roofing 408(14) Structural Steel (For Additional Support of Overhead Catenary Contact System)	<i>Yes, bidder's understanding is correct.</i>


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S-04		Vol. 1A Sec 4A Bill of Quantities Vol. 2 Book2 General	-	Bill No. 4-1, 4-2 SCR_P_Gen. DWGs_Arch.- Structure 408(11) Structural Steel Frame (Furnished, Prepainted & Installed), for STFE Tension Membrane Roofing	8.4.6.4. SURFACES TO BE PAINTED SHALL BE PAINTED AS FOLLOWS: a. PRIMER - 1 LAYER OF TWO PACK SURFACE TOLERANCE EPOXY MASTIC PRIMER (OR SIMILAR APPROVED) WITH MINIMUM DRY THICKNESS = 75 MICRON. b. INTERMEDIATE - 1 LAYER OF TWO PACK HIGH BUILD EPOXY MASTIC (OR SIMILAR APPROVED) WITH MINIMUM DRY THICKNESS = 75 MICRON. c. FINISHES - 1 LAYER OF TWO PACK AMINE ADDUCT CURED EPOXY FINISH (OR EQUIVALENT) WITH MINIMUM DRY THICKNESS = 50 MICRON.	Please clarify that 'prepainted' work mentioned in BOQ is same meaning of 'primer' mentioned in Dwg No. NSRP-DWG-STA-ST-4003 clause 8.4.6.4 or not.	Please refer to TS 500, General Provision No. 13 Painting Works and TS 500, Section 548 Painting
S-04		Vol. 6 Sec 6 Equipment Requirements Vol. 2 Book2 General	9		Construction access bridge	Q1. Regarding construction access bridge, these are temporary structures for construction, not equipment. Please, clarify that Bidder can delete these items?	The list provided in Section 6 shall serve as indicative and for information only.
S-04		GBB14, Batch 6 & GBB20, Batch 11	Page 59 & Page 15		At GBB14, Batch 6 At GBB20, Batch 11	Regarding Cross Hole Sonic logging test, Bidder shall install access tubes 3% of all piles or as directed by the Engineer in TS200, 204.2.6.4. But, Bidder shall install access tube for CSL test in all bored piles in TS200, 204.4.12. Additionally, the response of Batch 11 is not "in all bored piles", but "for all bored piles". Please, clarify that bidder should also install access tubes in 97% of all piles including with 3%.	Yes, the Contractor shall install access tubes for CSL testing in ALL bored piles to permit access for the CSL test probes as per TS 204.4.12. But only 3% of all piles or as directed by the Engineer will be tested as per TS 204.2.6.4.
S-05		Vol. 2 Section 6 - Employer's Requirements Responses to Clarification Requests in Batch 2	TS-100 – Annex A - 23	207 REINFORCING STEEL Responses to Clarification Requests in Batch 2	[207 REINFORCING STEEL] The quantities shall be computed from the bending schedules prepared by the Contractor as a part of his Shop Drawing submission and approved by the Engineer. [Responses to Clarification Requests in Batch 2] 2) Bidder is advised that the quantities of lap splicing stated in the drawings issued for contract will be paid by the Employer.	1) Please clarify that the payment of reinforcing steel will be calculated (remeasured) based on Shop Drawing approved by the Engineer. 2) Please clarify that the payment quantity of reinforcement steel includes lap splicing stated in the Shop Drawing approved by Engineer.	1. Bidder is advised this is an ad-measurement contract. 2. No allowance shall be made for cutting, waste, laps or circular work.

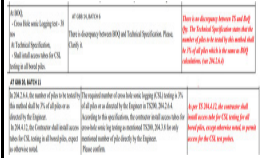
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S-05		Vol. 1A Sec 4A Bill of Quantities	-	Bill No. 4-1, 4-2, 4-3, 4-4	548(7) Fireproofing (Intumescent Paint for Metal/ Steel) 548(4) High-performance Urethane Coatings (Metal / Steel Painting)	Please clarify that Painting works items are applied and paid for all structure works as below items; 408(1) Structural Steel, Furnished, Fabricated and Erected 408(8) Structural Steel (For Elevator Frame) 408(11) Structural Steel Frame (Furnished, Prepainted & Installed), for STFE Tension Membrane Roofing 408(14) Structural Steel (For Additional Support of Overhead Catenary Contact System)	<i>Yes, bidder's understanding is correct.</i>
S-05		Vol. 1A Sec 4A Bill of Quantities Vol. 2 Book2 General	-	Bill No. 4-1, 4-2, 4-3, 4-4 SCR_P_Gen. DWGs_Arch. Structure 408(11) Structural Steel Frame (Furnished, Prepainted & Installed), for STFE Tension Membrane Roofing	8.4.6.4. SURFACES TO BE PAINTED SHALL BE PAINTED AS FOLLOWS: a. PRIMER - 1 LAYER OF TWO PACK SURFACE TOLERANCE EPOXY MASTIC PRIMER (OR SIMILAR APPROVED) WITH MINIMUM DRY THICKNESS = 75 MICRON. b. INTERMEDIATE - 1 LAYER OF TWO PACK HIGH BUILD EPOXY MASTIC (OR SIMILAR APPROVED) WITH MINIMUM DRY THICKNESS = 75 MICRON. c. FINISHES - 1 LAYER OF TWO PACK AMINE ADDUCT CURED EPOXY FINISH (OR EQUIVALENT) WITH MINIMUM DRY THICKNESS = 50 MICRON.	Please clarify that 'prepainted' work mentioned in BOQ is same meaning of 'primer' mentioned in Dwg No. NSRP-DWG-STA-ST-4003 clause 8.4.6.4 or not.	<i>Please refer to TS 500, General Provision No. 13 Painting Works and TS 500, Section 548 Painting</i>
S-05		Vol. 6 Sec 6 Equipment Requirements Vol. 2 Book2 General	9		Construction access bridge	Q1. Regarding construction access bridge, these are temporary structures for construction, not equipment. Please, clarify that Bidder can delete these items?	<i>The list provided in Section 6 shall serve as indicative and for information only.</i>
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S-06		Vol. 2 Section 6 - Employer's Requirements Responses to Clarification Requests in Batch 2	TS-100 – Annex A - 23	207 REINFORCING STEEL Responses to Clarification Requests in Batch 2	[207 REINFORCING STEEL] The quantities shall be computed from the bending schedules prepared by the Contractor as a part of his Shop Drawing submission and approved by the Engineer. [Responses to Clarification Requests in Batch 2] 2) Bidder is advised that the quantities of lap splicing stated in the drawings issued for contract will be paid by the Employer.	1) Please clarify that the payment of reinforcing steel will be calculated (remeasured) based on Shop Drawing approved by the Engineer. 2) Please clarify that the payment quantity of reinforcement steel includes lap splicing stated in the Shop Drawing approved by Engineer.	<i>1. Bidder is advised this is an ad-measurement contract. 2. No allowance shall be made for cutting, waste, laps or circular work.</i>

CP S04-07 Responses to Clarification Requests (Batch 17)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Vol. 2 Sec 6 IC General Specification TS 500 – Architectural Works	TS 500 - 246	523.1 The Work	The works (supply and installation onsite) specifically exclude scaffoldings, stock yard, heavy machines for unloading materials onsite, structural steel and secondary steel (material supply-fabrication-installation), gutter, temporary storage, mockup, drawing submissions, permitting (approvals from Government), inspection, taxes, and the like. While secondary steel (material supply-fabrication-installation) do not form part of the work scope of the TMRS supplier, they are however required to provide the details and quantities to the secondary steel fabricator.	Please clarify that excluded works (scaffoldings, stock yard, heavy machines for unloading materials onsite and etc.) are relected which item.	<i>Please refer to General Specification, Section 104, Subsection 104.1</i>
S-06		Vol. 1A Sec 4A Bill of Quantities	-	Bill No. 4-1, 4-2, 4-3	548(7) Fireproofing (Intumescent Paint for Metal/ Steel) 548(4) High-performance Urethane Coatings (Metal / Steel Painting)	Please clarify that Painting works items are applied and paid for all structrue works as below items; 408(1) Structural Steel, Furnished, Fabricated and Erected 408(8) Structural Steel (For Elevator Frame) 408(11) Structural Steel Frame (Furnished, Prepainted & Installed), for STFE Tension Membrane Roofing 408(14) Structural Steel (For Additional Support of Overhead Catenary Contact System)	<i>Yes, bidder's understanding is correct.</i>
S-06		Vol. 1A Sec 4A Bill of Quantities Vol. 2 Book2 General	-	Bill No. 4-1, 4-2, 4-3 SCRP_Gen. DWGs_Arch.- Structure	408(11) Structural Steel Frame (Furnished, Prepainted & Installed), for STFE Tension Membrane Roofing	Please clarify that 'prepainted' work mentioned in BOQ is same meaning of 'primer' mentioned in Dwg No. NSRP-DWG-STA-ST-4003 clause 8.4.6.4 or not.	<i>Please refer to TS 500, General Provision No. 13 Painting Works and TS 500, Section 548 Painting</i>
S-06		Vol. 6 Sec 6 Equipment Requirements	11~12		Dredger / Jack up barge Construction access bridge / Coffe Dam Sheet steel pile drivers / extractors Sheet steel pile driving / extraction	Q1. Regarding Dredger and Jack up barge, we don't need them according to out construction plan. Please, clarify that Bidders can delete these items? Q2. Regarding access bridge and coffer dam, these are temporary structures for constrection, not equipment. Please, clarify that Bidder can deleter these items? Q3. Regarding Sheet steel pile drivers/extrctors and Sheet steel pile driving/extraction, these items are clarified excatly. Please, clarify what is different?	<i>The list provided in Section 6 shall serve as indicative and for information only.</i>
S-06		Volume 1 Section 4 Bidding Forms			Page 23 of Batch BOQ	Regarding Granular Fill which is filiiing material for U-shape structure, TS106 was mentioned at page 23 of the Batch 2. However, Bidder can't find a correct item at BOQ of S-06 for Granular Fill of U-shape structure. Please, Provide updated BOQ including item of Granular Fill.	<i>Please refer to the Updated BOQ, Item No. 205(7)a. Updated BOQ shall be issued as Addendum 4.</i>

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S-06		GBB14, Batch 6 & GBB20, Batch 11	Page 59 & Page 15		At GBB14, Batch 6 At GBB20, Batch 11	Regarding Cross Hole Sonic logging test, Bidder shall install access tubes 3% of all piles or as directed by the Engineer in TS200, 204.2.6.4. But, Bidder shall install access tube for CSL testing in all bored piles in TS200, 204.4.12. Additionally, the response of Batch 11 is not "in all bored piles", but "for all bored piles". Please, clarify that bidder should also install access tubes in 97% of all piles including with 3%.	Yes, the Contractor shall install access tubes for CSL testing in ALL bored piles to permit access for the CSL test probes as per TS 204.4.12. But only 3% of all piles or as directed by the Engineer will be tested as per TS 204.2.6.4.
S-06		Section 4	BOQ	Bill no.1 GS133(1) GS133(2) GS133(3)	GS133(1) Trees to be root balled, packaged ready for transport elsewhere to be replanted GS133(2) Trees within PNR Property to to cut down, roots grubbed up for disposal off site GS133(3) Trees within 3rd party property to to cut down, roots grubbed up for disposal off site	Concerning the GS 133(1),(2),(3), the Appendix 1 of Scope of Works indicates the number of trees respectively but BOQ is comprised of Lump Sum. Please clarify that if the number of trees is changed, the Contractor can apply for Variation or not?	Bidder is referred to Provisional Sum inserted in Addendum 3 for Tree Cutting/Relocation
S-04		Vol. 3 Sec.8 Part A - Contract Data	PCC3	8.7 & 14.15(b) Delay damages for the Works		Please replace "Five hundredths of a percent (0.05%)" with "Twenty-five thousandths of a percent (0.025%)" in Clause 8.7 & 14.15(b) of Part A - Contract Data, Volume III Section 8 Please confirm that the delay damages of each Key Date shall be calculated as twenty-five thousandths of a percent (0.025%) of the value of the respective elements of the Works. Additionally, for this purpose, the value of each Key Date shall be agreed by the Parties before signing the Contract Agreement. For the avoidance of doubt, the value of the last Key Date is the difference of the value of the whole of the Works less that of all the other Key Dates. Please add the following at the end of Clause 8.7 & 14.15(b) of Part A - Contract Data, Volume III Section 8: Notwithstanding the foregoing, if the Contractor successfully achieves the Time for Completion for the whole of the Works on schedule, any delay damages associated with the Contractor's failure to achieve any Key Date for the respective elements of the Works shall be reimbursed to the Contractor.	The bidder's requests are rejected

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04		FIDIC General Conditions	19.1		In this Clause, "Force Majeure" means an exceptional event or circumstance: (a) which is beyond a Party's control, (b) which such Party could not reasonably have provided against before entering into the Contract, (c) which, having arisen, such Party could not reasonably have avoided or overcome, and (d) which is not substantially attributable to the other Party.	With respect to the COVID-19 pandemic (including potential future waves and/or mutations of the original virus), if the Contractor suffers delay and/or incurs Cost as a result of this delay, to the extent that such delay is: i) caused by undertaking additional HSE measures and directives/orders instructed by any legally constituted public authority (which were not existed at the Base Date); and/or ii) from the Contractor's supply chain, the Contractor shall give notice to the Engineer and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to: (a) an extension of time for any such delay, if completion is or will be delayed, and (b) payment of any such Cost plus profit, which shall be included in the Contract Price.	<i>Bidders are requested to comply with all existing bidding document requirements in relation to Covid-19</i>
S-04		Vol.1 Sec.4 & Vol.2 Sec.6 IB GS	BF43 & GS100 Appendix 9	BIM and CMMS Implementation		In reference with Tender Clarification GBB.21 (Batch 12) 1st Response in 14pg, it is mentioned that "Contractor's cost of Aconex shall be reimbursed by the Employer through pay item GS 119 (1) to GS 119 (4) of Bill No.1 in the BOQ." Regarding the cost of Aconex, It is better to set up Budget for each package by Dotr in the tender stage to avoid variation in the Project execution stage which is the same way of the North Line (MCRP) Project. Kindly consider it.	<i>Please refer to the updated Volume 1A, Section 4A, Bills of Quantities, Bill No.8, Pay Item No. PS-9 Project Management Information System (PMIS) and shall be issued as Addendum No.4.</i>
S-04		TS Update Table Batch_06_20210219 V3.docx	1	Anti-graffity Coating	Refer to TS 232 Protective Coatings	We can't find 'TS232' in the addendum No.2	<i>Bidder is referred to Addendum 3</i>
S-04			-			It has been informed that Rebar Supplier has protested, because of Rebar import from other countries, and finally Rebar could not be imported. Please advise if we can bring Rebar from overseas supplier(s).	<i>Bidders are responsible for developing their own supply chain strategies in relation to imported materials.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04		Vol.3 Sec. 8 COC 13.5				Please inform of the BOQ item for Dispute Board (DB) cost to be borne by the Contractor, one half of the invoices of the DB for its fee and expenses	<i>Please refer to the updated Volume 1A, Section 4A, Bills of Quantities, Bill No.8, Pay Item No. PS-5 Dispute Board (DB) GOP Part and shall be issued as Addendum No.4.</i>
S-05		Vol. 3 Sec.8 Part A - Contract Data	PCC3	8.7& 14.15(b) Delay damages for the Works		<p>Please replace “Five hundredths of a percent (0.05%)” with “Twenty five thousandths of a percent (0.025%)” in Clause 8.7 & 14.15(b) of Part A - Contract Data, Volume III Section 8</p> <p>Please confirm that the delay damages of each Key Date shall be calculated as twenty-five thousandths of a percent (0.025%) of the value of the respective elements of the Works. Additionally, for this purpose, the value of each Key Date shall be agreed by the Parties before signing the Contract Agreement. For the avoidance of doubt, the value of the last Key Date is the difference of the value of the whole of the Works less that of all the other Key Dates.</p> <p>Please add the following at the end of Clause 8.7 & 14.15(b) of Part A - Contract Data, Volume III Section 8: Notwithstanding the foregoing, if the Contractor successfully achieves the Time for Completion for the whole of the Works on schedule, any delay damages associated with the Contractor’s failure to achieve any Key Date for the respective elements of the Works shall be reimbursed to the Contractor.</p>	<i>The bidder's requests are rejected</i>
S-05		FIDIC General Conditions	19.1		In this Clause, “Force Majeure” means an exceptional event or circumstance: (a) which is beyond a Party’s control, (b) which such Party could not reasonably have provided against before entering into the Contract, (c) which, having arisen, such Party could not reasonably have avoided or overcome, and (d) which is not substantially attributable to the other Party.	<p>With respect to the COVID-19 pandemic (including potential future waves and/or mutations of the original virus), if the Contractor suffers delay and/or incurs Cost as a result of this delay, to the extent that such delay is:</p> <p>i) caused by undertaking additional HSE measures and directives/orders instructed by any legally constituted public authority (which were not existed at the Base Date); and/or</p> <p>ii) from the Contractor’s supply chain,</p> <p>the Contractor shall give notice to the Engineer and shall be entitled subject to Sub-Clause 20.1 [Contractor’s Claims] to:</p> <p>(a) an extension of time for any such delay, if completion is or will be delayed, and</p> <p>(b) payment of any such Cost plus profit, which shall be included in the Contract Price.</p>	<i>Bidders are requested to comply with all existing bidding document requirements in relation to Covid-19</i>

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S-05		Vol.1 Sec.4 & Vol.2 Sec.6 IB GS	BF43 & GS100 Appendix 9	BIM and CMMS Implementation		In reference with Tender Clarification GBB.21 (Batch 12) 1st Response in 14pg, it is mentioned that "Contractor's cost of Aconex shall be reimbursed by the Employer through pay item GS 119 (1) to GS 119 (4) of Bill No.1 in the BOQ." Regarding the cost of Aconex, It is better to set up Budget for each package by Dotr in the tender stage to avoid variation in the Project execution stage which is the same way of the North Line (MCRP) Project. Kindly consider it.	<i>Please refer to the updated Volume 1A, Section 4A, Bills of Quantities, Bill No.8, Pay Item No. PS-9 Project Management Information System (PMIS) and shall be issued as Addendum No.4.</i>
S-05		TS Update Table Batch_06_20210219 V3.docx	1	Anti-graffity Coating	Refer to TS 232 Protective Coatings	We can't find 'TS232' in the addendum No.2	<i>Bidder is referred to Addendum 3</i>
S-05		TS418		Soil Cement column	Please refer to TS418 Jet Grouting(soil cement column Foundation) in Bid Bullentin No. 20	We can't find 'TS418' in the PKG 5	<i>Bidder is referred to Addendum 3</i>
S-05						It has been informed that Rebar Supplier has protested, because of Rebar import from other countries, and finally Rebar could not be imported. Please advise if we can bring Rebar from overseas supplier(s).	<i>Bidders are responsible for developing their own supply chain strategies in relation to imported materials.</i>
S-05				BOQ 201(5)b	Pile cap excavation (in dry condntions) (unsuitable Material)	There are two different items in Pilecap excavation item No 201 (2)a : Pile cap Excavation in dry condition, No 201(5)b : Pile cap Excavation (in dry conditions) (Unsuitable Material). Please clarify how can we get the quantity for unsuitable material. What we understand is that unsuitable material quantity is calculated based on boring log and it shall be disposed. However, quantities from 201(2)a can be used for backfilling work.	<i>Please refer to the Technical Specifications, TS 200 and to the whole of Section TS 201.</i>

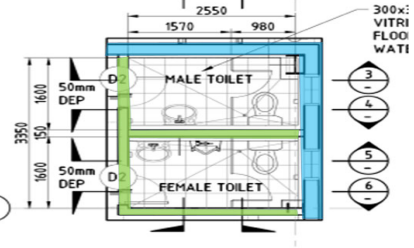
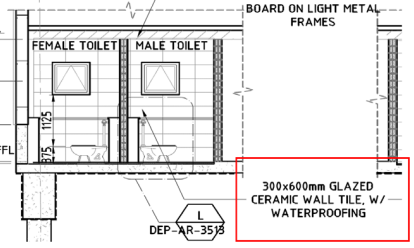
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S-05		Vol.3 Sec. 8 COC 13.5				Please inform of the BOQ item for Dispute Board (DB) cost to be borne by the Contractor, one half of the invoices of the DB for its fee and expenses	<i>Please refer to the updated Volume 1A, Section 4A, Bills of Quantities, Bill No.8, Pay Item No. PS-5 Dispute Board (DB) GOP Part and shall be issued as Addendum No.4.</i>
S-06		Vol. 3 Sec.8 Part A - Contract Data	PCC3	8.7& 14.15(b) Delay damages for the Works		<p>Please replace “Five hundredths of a percent (0.05%)” with “Twenty five thousandths of a percent (0.025%)” in Clause 8.7 & 14.15(b) of Part A - Contract Data, Volume III Section 8</p> <p>Please confirm that the delay damages of each Key Date shall be calculated as twenty-five thousandths of a percent (0.025%) of the value of the respective elements of the Works. Additionally, for this purpose, the value of each Key Date shall be agreed by the Parties before signing the Contract Agreement. For the avoidance of doubt, the value of the last Key Date is the difference of the value of the whole of the Works less that of all the other Key Dates.</p> <p>Please add the following at the end of Clause 8.7 & 14.15(b) of Part A - Contract Data, Volume III Section 8: Notwithstanding the foregoing, if the Contractor successfully achieves the Time for Completion for the whole of the Works on schedule, any delay damages associated with the Contractor’s failure to achieve any Key Date for the respective elements of the Works shall be reimbursed to the Contractor.</p>	<i>The bidder's requests are rejected</i>
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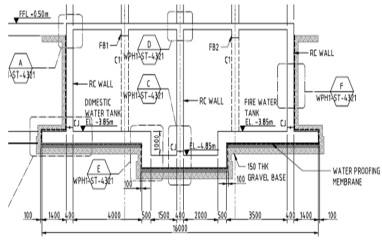
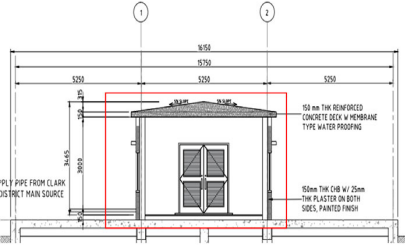
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S-06		Vol.1 Sec.4 & Vol.2 Sec.6 IB GS	BF43 & GS100 Appendix 9	BIM and CMMS Implementation		<p>In reference with Tender Clarification GBB.21 (Batch 12) 1st Response in 14pg, it is mentioned that "Contractor's cost of Aconex shall be reimbursed by the Employer through pay item GS 119 (1) to GS 119 (4) of Bill No.1 in the BOQ."</p> <p>Regarding the cost of Aconex, It is better to set up Budget for each package by Dotr in the tender stage to avoid variation in the Project execution stage which is the same way of the North Line (MCRP) Project.</p> <p>Kindly consider it.</p>	<i>Please refer to the updated Volume 1A, Section 4A, Bills of Quantities, Bill No.8, Pay Item No. PS-9 Project Management Information System (PMIS) and shall be issued as Addendum No.4.</i>
S-06		TS Update Table Batch_06_20210219 V3.docx	1	Anti-graffity Coating	Refer to TS 232 Protective Coatings	We can't find 'TS232' in the addendum No.2	<i>Bidder is referred to Addendum 3</i>
S-06			-			<p>It has been informed that Rebar Supplier has protested, because of Rebar import from other countries, and finally Rebar could not be imported.</p> <p>Please advise if we can bring Rebar from overseas supplier(s).</p>	<i>Bidders are responsible for developing their own supply chain strategies in relation to imported materials.</i>
S-06		Vol.3 Sec. 8 COC 13.5				Please inform of the BOQ item for Dispute Board (DB) cost to be borne by the Contractor, one half of the invoices of the DB for its fee and expenses	<i>Please refer to the updated Volume 1A, Section 4A, Bills of Quantities, Bill No.8, Pay Item No. PS-5 Dispute Board (DB) GOP Part and shall be issued as Addendum No.4.</i>
S-06		Vol.1 Sec.4 Risk Management		Risk Management		<p>On the referred section, it is mentioned "It should be noted by the Bidder that specific safety risks are to be covered under Requirement I above, while program risks are to be covered under Requirement E above"</p> <p>Please inform the meaning of the 'Requirement I' and 'requirement E' on the description.</p>	<i>The sentence "It should be noted by the Bidder that specific safety risks are to be covered under Requirement I above, while program risks are to be covered under Requirement E above" is deemed to be removed from the bidding document.</i>
S-07		General Bid Bulletin No. 16 Volume 2, 02 Book 2 (Architectural), 01 S07 ARCH	Page 35 of 93 NSRP-DWG-CNT-AR-3811	Canteen Building Gf Reflected Ceiling Plan	Ceiling Finish of Kitchen and Dining Area Canteen Cf3: 600x600x12mm Thk. Acoustic Ceiling Board With Foil Backing	<p>In reference to GBB16, Reflected Ceiling Plan shall govern.</p> <p>QUERY: Please provide pay item for Ceiling finish (600x600x12mm Thk. Acoustic Ceiling Board With Foil Backing).</p>	<i>Please refer to the updated BOQ, Item No. D545(1). Updated BOQ shall be issued as Addendum 3.</i>

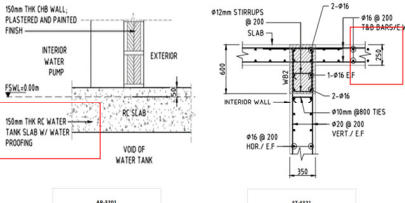
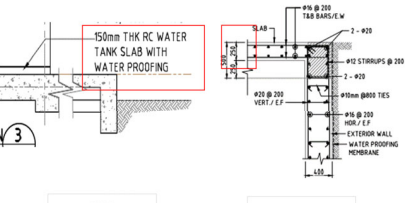
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S-07		GBB 17 Bid Bulletin 16, Volume 1A Sec.4A BOQ_Add.2_20210 310	Page 12 of 43	Underpass Bored Pile Bill No. 3: Depot Underpass As per sheet NSRP-CAL-SDU-ST-0056, Pile Spacing is 2400mm. Piles shown in NSRP-DWG-SDU-ST-0005 to 0006 will be revised in Addendum 3	<p>TABLE 1 – SCHEDULE OF PILES</p> <table border="1"> <thead> <tr> <th>UNIT No.</th> <th>DEPTH (m)</th> <th>REMARKS</th> <th>PILE SPACING (mm)</th> </tr> </thead> <tbody> <tr><td>1</td><td>1.66 TO 2.31</td><td>NO PILES</td><td>—</td></tr> <tr><td>2</td><td>2.31 TO 3.21</td><td>NO PILES</td><td>—</td></tr> <tr><td>3</td><td>3.21 TO 4.51</td><td>WITH PILES</td><td>2400</td></tr> <tr><td>4</td><td>4.51 TO 5.15</td><td>WITH PILES</td><td>2400</td></tr> <tr><td>5</td><td>5.15 TO 6.62</td><td>WITH PILES</td><td>2400</td></tr> <tr><td>6</td><td>6.62 TO 7.69</td><td>WITH PILES</td><td>2400</td></tr> <tr><td>7</td><td>7.69 TO 8.53</td><td>WITH PILES</td><td>2400</td></tr> <tr><td>8</td><td>8.53 TO 9.66</td><td>WITH PILES</td><td>2400</td></tr> <tr><td>EC1</td><td>9.66 TO 9.95</td><td>WITH PILES</td><td>2400</td></tr> <tr><td>9</td><td>9.95 TO 9.96</td><td>WITH PILES</td><td>2400</td></tr> <tr><td>EC2</td><td>9.96 TO 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PILES	2400	4	4.51 TO 5.15	WITH PILES	2400	5	5.15 TO 6.62	WITH PILES	2400	6	6.62 TO 7.69	WITH PILES	2400	7	7.69 TO 8.53	WITH PILES	2400	8	8.53 TO 9.66	WITH PILES	2400	EC1	9.66 TO 9.95	WITH PILES	2400	9	9.95 TO 9.96	WITH PILES	2400	EC2	9.96 TO 9.97	WITH PILES	2400	10	9.97 TO 9.97	WITH PILES	2400	11	9.97 TO 9.97	WITH PILES	2400	12	9.97 TO 9.97	WITH PILES	2400	13	9.97 TO 9.97	WITH PILES	2400	14	9.97 TO 9.97	WITH PILES	2400	15	9.97 TO 9.97	WITH PILES	2400	16	9.97 TO 9.97	WITH PILES	2400	17	9.97 TO 9.97	WITH PILES	2400	18	9.97 TO 9.97	WITH PILES	2400	19	9.97 TO 9.97	WITH PILES	2400	20	9.97 TO 9.97	WITH PILES	2400	21	9.97 TO 9.97	WITH PILES	2400	22	9.97 TO 9.97	WITH PILES	2400	23	9.97 TO 9.97	WITH PILES	2400	24	9.97 TO 9.97	WITH PILES	2400	25	9.97 TO 9.97	WITH PILES	2400	26	9.97 TO 9.97	WITH PILES	2400	27	9.97 TO 9.97	WITH PILES	2400	28	9.97 TO 9.97	WITH PILES	2400	29	9.97 TO 9.97	WITH PILES	2400	30	9.97 TO 9.97	WITH PILES	2400	31	9.97 TO 9.97	WITH PILES	2400	32	9.97 TO 9.97	WITH PILES	2400	33	9.97 TO 9.97	WITH PILES	2400	34	9.97 TO 9.97	WITH PILES	2400	35	9.97 TO 9.97	WITH PILES	2400	36	9.97 TO 9.97	WITH PILES	2400	37	9.97 TO 9.97	WITH PILES	2400	38	9.97 TO 9.97	WITH PILES	2400	39	9.97 TO 9.97	WITH PILES	2400	40	9.97 TO 9.97	WITH PILES	2400	41	9.97 TO 9.97	WITH PILES	2400	42	9.97 TO 9.97	WITH PILES	2400	43	9.97 TO 9.97	WITH PILES	2400	44	9.97 TO 9.97	WITH PILES	2400	45	9.97 TO 9.97	WITH PILES	2400	46	9.97 TO 9.97	WITH PILES	2400	47	9.97 TO 9.97	WITH PILES	2400	48	9.97 TO 9.97	WITH PILES	2400	49	9.97 TO 9.97	WITH PILES	2400	50	9.97 TO 9.97	WITH PILES	2400	51	9.97 TO 9.97	WITH PILES	2400	52	9.97 TO 9.97	WITH PILES	2400	53	9.97 TO 9.97	WITH PILES	2400	54	9.97 TO 9.97	WITH PILES	2400	55	9.97 TO 9.97	WITH PILES	2400	56	9.97 TO 9.97	WITH PILES	2400	57	9.97 TO 9.97	WITH PILES	2400	58	9.97 TO 9.97	WITH PILES	2400	59	9.97 TO 9.97	WITH PILES	2400	60	9.97 TO 9.97	WITH PILES	2400	61	9.97 TO 9.97	WITH PILES	2400	62	9.97 TO 9.97	WITH PILES	2400	63	9.97 TO 9.97	WITH PILES	2400	64	9.97 TO 9.97	WITH PILES	2400	65	9.97 TO 9.97	WITH PILES	2400	66	9.97 TO 9.97	WITH PILES	2400	67	9.97 TO 9.97	WITH PILES	2400	68	9.97 TO 9.97	WITH PILES	2400	69	9.97 TO 9.97	WITH PILES	2400	70	9.97 TO 9.97	WITH PILES	2400	71	9.97 TO 9.97	WITH PILES	2400	72	9.97 TO 9.97	WITH PILES	2400	73	9.97 TO 9.97	WITH PILES	2400	74	9.97 TO 9.97	WITH PILES	2400	75	9.97 TO 9.97	WITH PILES	2400	76	9.97 TO 9.97	WITH PILES	2400	77	9.97 TO 9.97	WITH PILES	2400	78	9.97 TO 9.97	WITH PILES	2400	79	9.97 TO 9.97	WITH PILES	2400	80	9.97 TO 9.97	WITH PILES	2400	81	9.97 TO 9.97	WITH PILES	2400	82	9.97 TO 9.97	WITH PILES	2400	83	9.97 TO 9.97	WITH PILES	2400	84	9.97 TO 9.97	WITH PILES	2400	85	9.97 TO 9.97	WITH PILES	2400	86	9.97 TO 9.97	WITH PILES	2400	87	9.97 TO 9.97	WITH PILES	2400	88	9.97 TO 9.97	WITH PILES	2400	89	9.97 TO 9.97	WITH PILES	2400	90	9.97 TO 9.97	WITH PILES	2400	91	9.97 TO 9.97	WITH PILES	2400	92	9.97 TO 9.97	WITH PILES	2400	93	9.97 TO 9.97	WITH PILES	2400	94	9.97 TO 9.97	WITH PILES	2400	95	9.97 TO 9.97	WITH PILES	2400	96	9.97 TO 9.97	WITH PILES	2400	97	9.97 TO 9.97	WITH PILES	2400	98	9.97 TO 9.97	WITH PILES	2400	99	9.97 TO 9.97	WITH PILES	2400	100	9.97 TO 9.97	WITH PILES	2400	As per Bid Bulletin 17, Pile spacing is 2.40m. Please verify quantity for the following: 1. BOQ 204(2)f Bored Pile (800mmØ), in dry conditions 6,790 l.m. 2. BOQ 207(2)a Reinforcing Steel, Grade 60 for Bored Pile 580,283 kgs	<i>Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
UNIT No.	DEPTH (m)	REMARKS	PILE SPACING (mm)																																																																																																																																																																																																																																																																																																																																																																																																																																
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S-07		GBB 21 Volume 2, 02_Book 2 (Architectural), 01_S07 ARCH, CP S-07_10_AR_TMO	44 of 69 6 of 7	NSRP-DWG-TMO-AR-3501 Toilet Wall Types		As per GBB 21, Wall types are as follows: 1.a Exterior wall - 200 mm thk RC wall; and 1.b Interior wall - 150 mm thk CHB wall. 2. Interior wall is 150 mm thk. QUERY: Please provide pay item for 150mm thk CHB in BOQ Bill No. 4-2.9.	<i>The BOQ shall be revised for the appropriate work item description - to modify CHB thickness from 100mm to 150mm thk. Updated BOQ shall be issued as Addendum 4.</i>																																																																																																																																																																																																																																																																																																																																																																																																																												
S-07		General Bid Bulletin 18 Volume 02, _Book 2 (Architectural), 02_S07 STRUC, CP S-07_05_CMV_AR	Page 46 of 52	Bid Bulletin 18 Catenary Maintenance Vehicle BOQ No. 4-2.3: Catenary Maintenance Vehicle As per drawing, the toilet wall is 300mmx600mm Glazed Ceramic Tile		As per GBB18, refer to BOQ Bill 4-2.3 Pay item D541(1). Upon checking, pay item D541(1) refers to Single Wall 2 x 12mm Thk. Gypsum Board and Rockwool Insulation on Standard Metal Framing. QUERY: Please provide pay item for 300mmx600mm Glazed Ceramic Tile	<i>The BOQ shall be revised to include work item for the 300mmx600mm Glazed Ceramic Tile. Updated BOQ shall be issued as Addendum 4.</i>																																																																																																																																																																																																																																																																																																																																																																																																																												
S-07		Volume 2, 02_Book 2, 01_S07 ARCH, CP S-07_23_AR_CNT	NSRP-DWG-CNT-AR-3601	Canteen Building Architectural - Schedule of Finishes Base Board / Accessories	<p>BASE BOARD / ACCESSORIES</p> <table border="1"> <tbody> <tr> <td>H=150MM CERAMIC TILE BASEBOARD 150x600mm (INTERFACING IN KITCHEN AND MALE TOILET WALL)</td> </tr> <tr> <td>H=150MM CERAMIC TILE BASEBOARD 150x600mm</td> </tr> <tr> <td>H=150MM CERAMIC TILE BASEBOARD 150x600mm</td> </tr> <tr> <td>H=150MM CERAMIC TILE BASEBOARD 150x600mm</td> </tr> </tbody> </table>	H=150MM CERAMIC TILE BASEBOARD 150x600mm (INTERFACING IN KITCHEN AND MALE TOILET WALL)	H=150MM CERAMIC TILE BASEBOARD 150x600mm	H=150MM CERAMIC TILE BASEBOARD 150x600mm	H=150MM CERAMIC TILE BASEBOARD 150x600mm	Please provide pay item for baseboard, H=150mm Ceramic Tile Baseboard 150mm x 600mm	<i>The BOQ shall be revised to include work item for the Ceramic Tile Baseboard. Updated BOQ shall be issued as Addendum 4.</i>																																																																																																																																																																																																																																																																																																																																																																																																																								
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S-07		GBB 14	Page 68 of 76	Excavation TS 102.2.9 and at Annex A Measurement and Payment - 102.1.1 TS 201 Structural Excavation and Backfill	Please refer to TS Annex PINS issued in Addendum 2 102(1)a Unsuitable Excavation at dry condition	Hauling unsuitable material is different from Hauling ordinary surplus material. 1) Please provide the depth of unsuitable soil, to be used as basis of quantity for Hauling the unsuitable materials. 2) Please provide pay item for removal of unsuitable or surplus materials	<i>The Bidder is advised that Item 102(1)a is not applicable to CP S-07.</i>																																																																																																																																																																																																																																																																																																																																																																																																																												

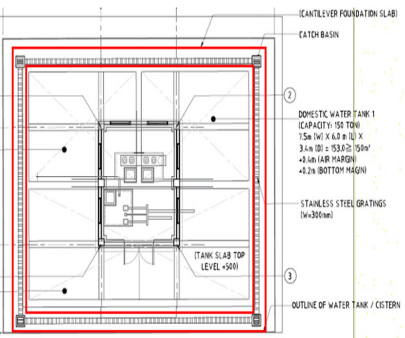
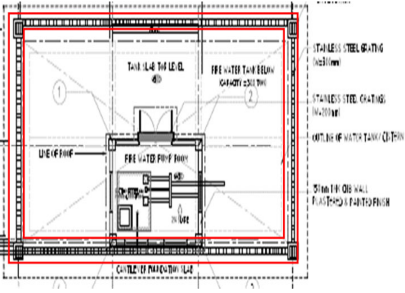
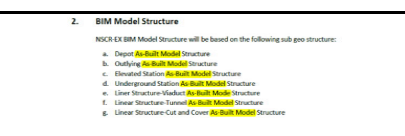
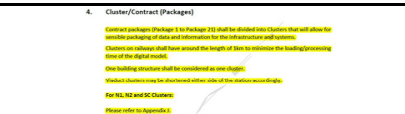
CP S04-07 Responses to Clarification Requests (Batch 17)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07		GBB 16 Bid Bulletin 16, Volume 1A Sec.4A BOQ_Add.2_20210 310	page 29 of 93	Bill of Quantities No. 4-2.12 Supply and Fire Water Tank 1	It is confirmed that the quantities of Structural Concrete for Beam, Structural Concrete for Reinforced Concrete Wall, and Structural Concrete for Elevated Slab are included in the BOQ. Please refer to the Updated BOQ, Addendum 1; Bill No. 4-2.13, Item Nos. 405(8)b, 405(9)b, and 405(10)b.	1. If Quantities of Structural Concrete are included in BOQ 4-2.13 Pump House for Fire Water Tank 1, Please verify BOQ Quantity of the following: 1.a. BOQ 405(3)b Structural Concrete, Class "AAA" (31 Mpa) for Column - 3 cu.m. 1.b. BOQ 405(8)b Structural Concrete, Class "AAA" (31 Mpa) for Reinforced Concrete Wall (RCW) - 2 cu.m. 1.c. BOQ 405(9)b Structural Concrete, Class "AAA" (31 Mpa) for Elevated Slab/ Concrete Stairs/ Concrete Gutter - 8 cu.m.	<i>Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-07		Bid Bulletin 16, Volume 1A Sec.4A BOQ_Add.2_20210 310		Bill of Quantities No. 4-2.12 Supply and Fire Water Tank 1		1. Please verify location of the following: 1.a. BOQ 405(1)b Structural Concrete, Class "AAA" (31 Mpa) for Pile Cap/ Footing - 142 cu.m. 1.b. BOQ 405 (6)b Structural Concrete, Class "AAA" (31 Mpa) for tie beam (At-Grade Beam) - 11 cu.m. 2. If this is for Bottom Slab, please verify quantity of BOQ 405(7)b Structural Concrete, Class "AAA" (31 Mpa) for Slab on Fill (At-Grade Slab) - 109 cu.m.	<i>Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-07		Bid Bulletin 16, Volume 1A Sec.4A BOQ_Add.2_20210 310		Bill of Quantities No. 4-2.13 Pump House for Fire Water Tank 1		1. Please verify location of the following pay item indicated in BOQ 4-2.13 Pump House for Fire Water Tank 1. 1.a. BOQ 405(6)b Structural Concrete, Class "AAA" (31 Mpa) for tie beam (At-Grade Beam) - 3 cum 1.b. BOQ 405(7)b Structural Concrete, Class "AAA" (31 Mpa) for Slab on Fill (At-Grade Slab) - 41 cu.m. 2. Please verify Quantity in the BOQ 405(16) Blinding Concrete (Lean Concrete), 15 Mpa including compacted sand layer (150mm) - 18 cu.m.	<i>The Bidder is advised that the work items under question were deleted from the revised / updated BOQ which shall be issued as Addendum 4.</i>
S-07		Volume 2 Specifications TS 700 - Annex A	Page 21	716 Fire Alarm and Detection System 716.1.1 Method of Measurement	FIRE DETECTION AND ALARM SYSTEM d) Fees / costs for Factory Acceptance Tests (FAT)	1) Please verify how many participants to witness for the Factory Acceptance Test. 2) Please provide list of equipment and quantity to be tested for the Factory Acceptance Test	<i>1. The contractos 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. Whoever 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. 2. The list of equipment and quantity was already reflected on the submitted BoQ for FAT refer to item 1 response.</i>

CP S04-07 Responses to Clarification Requests (Batch 17)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07		Volume 2, 02 Book 2 (Architectural), 01 S07 Arch	4 of 6	NSRP-DWG-WPH1-AR-3201 NSRP-DWG-WPH1-ST-4321 Pump House for Fire Water Tank 1		Please verify conflict in Slab Thickness for Elevated Slab shown between Architectural Plan and Structural Plan. Which shall govern	Structural will govern. Refer to NSRP-DWG-WPH1-ST-4321 Rev. 21.
S-07		Volume 2, 02 Book 2 (Architectural), 01 S07 Arch	4 of 6	NSRP-DWG-WPH2-AR-3201 NSRP-DWG-WPH2-ST-4311 Fire Water Tank 2		Please verify conflict in Slab Thickness for Elevated Slab shown between Architectural Plan and Structural Plan. Which shall govern	Structural will govern. Refer to NSRP-DWG-WPH2-ST-4311 Rev. 21.1
S-07		Bid Bulletin 16, Volume 1A Sec.4A BOQ_Add.2_20210 310		Bill of Quantities No. 4-2.13 Pump House for Fire Water Tank 1 Floor Finishes	BOQ D502(1) T=50mm, Plain Cement Troweled Finish with Hardener BOQ D505(1) Self-levelling Epoxy Paint Finish with Hardener	Please confirm our understanding of the following: 1. BOQ 502(1) 40 sq.m. is located at Roof Slab 2. BOQ 505(1) 34 sq.m. is located inside Pump Room	1)Item 502(1) has been deleted from the BOQ. Please refer to the Updated BOQ which shall be issued as Addendum 4. 2)Yes, Item 505(1) is located inside Pump Room.
S-07		Bid Bulletin 16, Volume 1A Sec.4A BOQ_Add.2_20210 310		Bill of Quantities No. 4-2.15 Pump House for Fire Water Tank 2 Floor Finishes	BOQ D502(1) T=50mm, Plain Cement Troweled Finish with Hardener BOQ D505(1) Self-levelling Epoxy Paint Finish with Hardener	Please confirm our understanding of the following: 1. BOQ 502(1) 50 sq.m. is located at Roof Slab 2. BOQ 505(1) 18 sq.m. is located inside Pump Room	1)Item 502(1) has been deleted from the BOQ. Please refer to the Updated BOQ which shall be issued as Addendum 4. 2)Yes, Item 505(1) is located inside Pump Room.
S-07		Bid Bulletin 16, Volume 1A Sec.4A BOQ_Add.2_20210 310		Bill of Quantities No. 4-2.12 Supply and Fire Water Tank 1 Floor Finishes	BOQ D502(1) T=50mm, Plain Cement Troweled Finish with Hardener - 369 sq.m.	Please verify location and quantity (369 sq.m.)	Item D502(1) shall be applied in the entire floor area of the Supply and Fire Water Tank 1. Please refer to the Updated BOQ which shall be issued as Addendum 4.
S-07		Bid Bulletin 16, Volume 1A Sec.4A BOQ_Add.2_20210 310		Bill of Quantities No. 4-2.14 Fire Water Tank 2 Floor Finishes	BOQ D502(1) T=50mm, Plain Cement Troweled Finish with Hardener - 110 sq.m.	Please verify location and quantity (110 sq.m.)	Item D502(1) shall be applied in the entire floor area of the Supply and Fire Water Tank 2. Please refer to the Updated BOQ which shall be issued as Addendum 4.

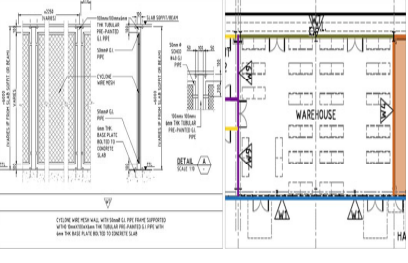
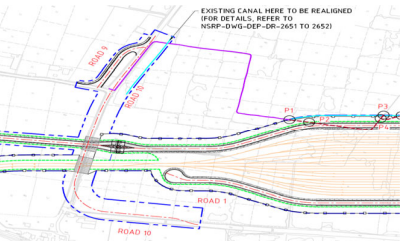
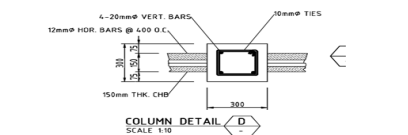
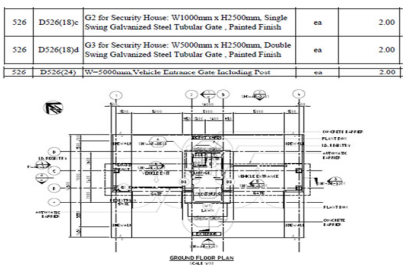
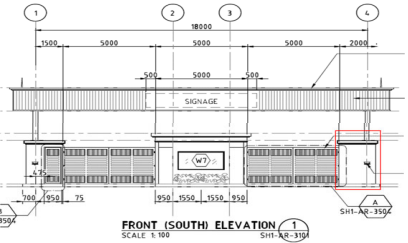
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S-07		Volume 2, 02 Book 2 (Architectural), 01 S07 Arch Bid Bulletin 16, Volume 1A Sec.4A BOQ_Add.2_20210 310	NSRP-DWG-WPH1-AR-3201	Pump House for Fire Water Tank 1 Bill of Quantities 4-2.13		Trench Drain w/ Stainless Steel Grating BOQ 405(7)b Structural Concrete, Class "AAA" (31 Mpa) for Slab on Fill (At-Grade Beam) 403(1) Reinforcing Steel, Grade 40 1. Please provide details of trench drain. 2. Please confirm if concrete volume and reinforcement already included in BOQ Quantity	1)Please refer to drawing no. NSRP-DWG-DEP-AR-3513 Rev21. 2)The BOQ shall be revised to include Item No. 405(11)b for trench drain. Updated / revised BOQ shall be issued as Addendum 4. Reinforcement for trench drain is included in Item 403(1).
S-07		Volume 2, 02 Book 2 (Architectural), 01 S07 Arch Bid Bulletin 16, Volume 1A Sec.4A BOQ_Add.2_20210 310	NSRP-DWG-WPH2-AR-3201	Pump House for Fire Water Tank 2 Bill of Quantities 4-2.15		Trench Drain w/ Stainless Steel Grating BOQ 405(7)b Structural Concrete, Class "AAA" (31 Mpa) for Slab on Fill (At-Grade Beam) 403(1) Reinforcing Steel, Grade 40 1. Please provide details of trench drain. 2. Please confirm if concrete volume and reinforcement already included in BOQ Quantity	1)Please refer to drawing no. NSRP-DWG-DEP-AR-3513 Rev21. 2)The BOQ shall be revised to include Item No. 405(11)b for trench drain. Updated / revised BOQ shall be issued as Addendum 4. Reinforcement for trench drain is included in Item 403(1).
S-07		Vol. 02, Section 6 Appendix 15	Page 14	BIM Information Mgmt Flow		Please verify the direction indicated on Section 2 (see item 2 page 14) that BIM will focus on As-built Models	Contractor's to develop LOD 300 BIM Models provided by Employer/Engineer, to produce the LOD 500 As-built models and drawings.
S-07		Vol. 02, Section 6 Appendix 15	Page 25	BIM Information Mgmt Flow		Based on Item 4 Cluster/ Contract Packages, we will only have one (1) cluster. Please confirm for CPS07 will be under Cluster 001.	Confirmed CP S-07 is under Cluster 001.
S-07		Vol. 02, Section 6 Appendix 15		BIM Information Mgmt Flow	3. Under Section 7 COBie Standards	Please verify who will conduct actual onsite measurement for As-Built Model development, Is it by Contractor or by 3rd Party?	Contractor will conduct the actual onsite measurement and survey to be able to validate the developed As-built model.
S-07		Vol. 02, Section 6 Appendix 15		BIM Information Mgmt Flow	4. Under Section 7.7.2. COBie Information	1. Who would provide the COBie data sheet content. 2. Will this be given by the Client, if NO, will this be produce from the DCP4 by the BIM.	Upon receipt of the LOD 300 models from the Employer/Engineer, the Contractor shall develop and produce the COBie data sheet.

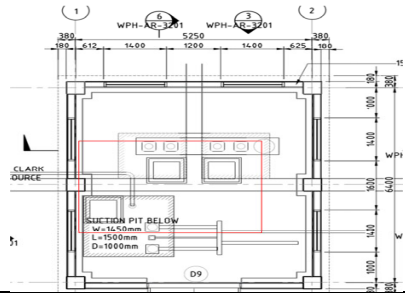
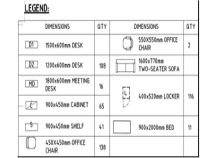
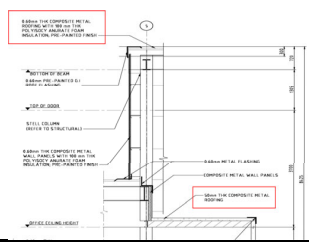
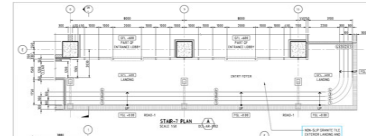
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S-07		Vol. 02, Section 6 Appendix 15		BIM Information Mgmt Flow	5. Under Section 9.1 Asset Information Model:	<p>1. Please verify who shall obtain/provide the Asset Information.</p> <p>2. Will it be provided to BIM team, if NO, will the BIM team be required to include Asset Information Coordinator within its the personnel listing.</p>	<p><i>The Contractor to develop the Asset Information based on the actual installation of machines/equipemtns and provide the Asset Information Register to the Facility Operator.</i></p> <p><i>Asset Information will be developed and provided by the Contractor's BIM Team. The Contractor may or may not hire an Asset Information Coordinator at no additional cost.</i></p>
S-07		Vol. 02, Section 6 Appendix 15		BIM Information Mgmt Flow Under Section 10 Submission Requirements – This section discusses the deliverables per stage.	<p>10. Submission Requirements</p> <p>10.1 Preliminary Design Stage</p> <p>During the preliminary design stage, the model elements shall be modeled as overall existing models with indicative dimension, etc., height, volume, location and orientation. The contractor shall prepare the following deliverables:</p> <ul style="list-style-type: none"> BIM Execution Plan Site Elevation, Elevation, At-Grade & Line Work As-Built Model of Existing As-Built Model of Proposed TSS, Utility Building, Elevation and At-Grade Station & Yards etc. As-Built Model of Proposed Underground Station and Tunnel etc. <p>10.2 Pre-Final Design Stage</p> <p>At this stage, individual BIM Models shall be created and merged to provide clash detection and resolution, also to be used for drawing production before site</p>	<p>Please confirm if will just focus on As-built Modeling as indicated on Section 2. If No, Please verify if this shall include all the other stages. Please provide list of requirements.</p>	<p><i>LOD 300 models provided by the Employer/Engineer will be developed by the Contractor to produce the LOD 500 As-built models and drawings.</i></p>
S-07		Vol. 02, Section 6 Appendix 15		BIM Information Mgmt Flow 7. Under Section 11.8.3. BIM Delivery Organizational Chart	<p>11.8.3 BIM Delivery Organization Chart</p> <p>11.8.3.1 BIM Delivery Organization Chart</p> <p>11.8.3.2 BIM Delivery Organization Chart</p>	<p>Please confirm if all the personnel list indicated the EIR Role list are included. If not, kindly indicated which personnel are required</p>	<p><i>No, not all listed personnel in the EIR will be required, however it is up to the Contractor to decide which personnel is necessary to perform the job as required.</i></p>
S-07		Vol. 02, Section 6 Appendix 15		BIM Information Mgmt Flow Under Section 12 – Project Information Delivery Strategy	<p>12. Project Information Model (PIM) Deliverable Strategy</p> <p>The purpose of this section is to define the strategy for information delivery at each stage of the project.</p> <p>The PIM consists of a set of federated building information models with associated nomenclature of data and documentation which shall be progressively developed by the Contractor and delivered to the Employer through a series of information exchanges as defined by the EIR.</p> <ul style="list-style-type: none"> Design Control Point 1 (DCP1) – Preliminary Engineering Design Control Point 2 (DCP2) – In Process, Approx. 60% level of design completion Design Control Point 3 (DCP3) – Pre-Final Approval, 80% level of design completion Design Control Point 4 (DCP4) – Design is 100% complete including issue for construction Design Control Point 5 (DCP5) – Construction Start Design Control Point 6 (DCP6) – As-Built Model <p>Models shall start as design intent models and shall be developed into construction and As-Built models as construction progress design commences by the construction teams. Necessary information required and agreed in the Employer Plan of Works, shall be included in the models.</p>	<p>This section indicates that 100% Design Model shall be developed into Construction Model and then As-built Model. Please confirm.</p>	<p><i>Confirmed the LOD 300 Design model will be developed by the Contractor into LOD 500 construction model and as-built model.</i></p>
S-07		Vol. 02, Section 6 Appendix 15		BIM Information Mgmt Flow Under Appendix D: Autodesk Civil 3D, Section 3.1 – Model Structure; and Appendix E: Autodesk Revit, Section 5	<p>3. Volume Strategy</p> <p>3.1 Model Structure</p> <p>As aforementioned, road models are split according to the Work Packages Zones and possibly further into smaller parts, such as junctions, local roads, main roads.</p> <p>3.1.1 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.2 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.3 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.4 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.5 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.6 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.7 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.8 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.9 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.10 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.11 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.12 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.13 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.14 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.15 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.16 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.17 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.18 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.19 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.20 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.21 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.22 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.23 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.24 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.25 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.26 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.27 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.28 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.29 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.30 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.31 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.32 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.33 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.34 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.35 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.36 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.37 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.38 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.39 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.40 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.41 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.42 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.43 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.44 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.45 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.46 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.47 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.48 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.49 ProjectWise Resource Organization (To be confirmed)</p> <p>3.1.50 ProjectWise Resource Organization (To be confirmed)</p>	<p>1. This indicates Projet Wise. Please confirm if this refers to Bentley Project Wise.</p> <p>2. Please confirm that Client shall be the one to host ProjectWise and access to be provided to BIM teams.</p>	<p><i>Confirmed it is Bentley ProjectWise.</i></p> <p><i>The Employer/Engineer will be the administrator of ProjectWise, access will be provided to the Contrator's BIM Teams and other stakeholders if necessary. However, the Contractor willreimburse the cost of its portion of ProjectWise to the Employer/Engineer</i></p>
S-07		Vol. 02, Section 6 Appendix 15		BIM Information Mgmt Flow		<p>Kindly confirm for BIM Team:</p> <p>a) Deployed on-site?</p> <p>b) Remote from office or from Home</p> <p>c) Combined Remote and On-site?</p>	<p><i>It is recommended that BIM Team is deployed On-site, however due to the current situation the Contractor have the option to use a combined remote and on-site BIM Team.</i></p>

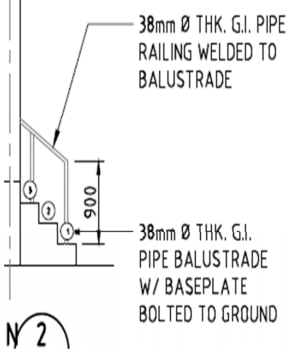
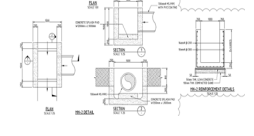

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07		Vol. 02, Section 6 Appendix 15			Support and Training a) Autodesk - Revit b) Autodesk Civil 3-D c) Autodesk - NavisWorks d) Common Data Environment (CDE) e) Bentley - Project Wise Design Integration : 10.00.01.71 f) Bentley - Project Wise Integration for Revit g) BIM Essentials (3D to 5D) (12 clients) - 40hrs discipline	Please confirm if training are included for each software. If Yes, how many person and how many hours are to be considered.	<i>There will be no training.</i>
S-07		Volume 02, _Book 2 (Architectural), 01_S07 ARCHI, CP-S 07_02_AR_LRS	NSRP-DWG-LRS-AR-3531 NSRP-DWG-LRS-AR-3831	LRS Wall Section and Details Partition Plan Cyclone Wire Mesh Wall		Please provide pay item for Cyclone Wire Mesh Wall.	<i>BOQ to be revised to include pay item for Cyclone Wire Mesh Fence in accordance to drawings NSRP-DWG-LRS-AR-3531 & 3831, rev. 21. Updated BOQ shall be issued as Addendum 4.</i>
S-07		Volume 02, _Book 1 (Civil), 04_CP S-07_DPSFE	167 of 214	NSRP-DWG-DEP-DR-2744 Demolition, Removal and Realignment of Existing NIA Canal/Earth Canal		Please provide pay item for the following: 1. Removal of Earth Canal 2. Realignment of Earth Canal 3. Demolition and Removal of NIA Canal 4. Realignment of NIA Canal	<i>For Demolition and Removal of Existing NIA Canal/Earth Canal, please refer to Bill No.2 Pay Item No. 202(2) For Realignment of Existing NIA Canal/Earth Canal, refer to Bill No.5 Part A, Part B & Part F.</i>
S-07		Volume 2, 02_CP S-07_Roads	NSRP-DWG-DEP-RD-1827 & NSRP-DWG-DEP-RD-1828	South Depot Perimeter Fence Details Column Ties		Please provide spacing of column ties for perimeter fence	<i>The spacing of column ties for perimeter fence is 300mm. Which is reflected on NSRP-DWG-DEP-RD-1827 Rev.. 21.2</i>
S-07		Volume 1, 1.3 CP S-07 Vol.1A Sec.4A BOQ 20201001 Volume 2, 02 Book 2 (Architectural), CP S-07_17_AR_SH1	174 and 175 of 225 3-4 and 8-9 of 9	Doors and Windows Schedule of Doors and Windows Bill of Quantity		Please confirm if item D526(18)d G3 and D526(24) W=5000mm Vehicle Entrance Gate Including Post for Security House are the same. If yes, please verify BOQ 526(18)b (qty is 2 ea), and BOQ D526(24) (qty is 2 ea) for Security House.	<i>Please refer to the revised / Updated BOQ, Bill No. 4-2.16 which shall be issued as Addendum 4.</i>
S-07		Volume 2, 02_Book 2 (Architectural), 01_S07 ARCH, CP S-07_17_AR_SH1	NSRP-DWG-SH1-AR-3201	Bill 4-2.16 Security House 1 D526(18)c G2 for Security House: W1000mm x H2500mm, Single Swing Galvanized Steel Tubular Gate , Painted Finish		The BOQ quantity for pay item D526(18)c is 2 but as reflected on drawings, quantity is 1 only. Please confirm our understanding that D526(18)c G2 for Security House: W1000mm x H2500mm, Single Swing Galvanized Steel Tubular Gate , Painted Finish is as per plan (illustrated below)	<i>Please refer to the revised / Updated BOQ, Bill No. 4-2.16 which shall be issued as Addendum 4.</i>

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S-07		Volume 2, 02_Book 2 (Architectural), 01_S07 ARCH, CP S-07_17_AR_WPH1 Volume 2, 02_Book 2 (Architectural), 01_S07 ARCH, CP S-07_17_AR_WPH2	NSRP-DWG-WPH1-AR-3101 NSRP-DWG-WPH1-AR-3101	Fire Water Tank 1 and 2 Pump House 1 and 2 Manhole Cover and Ladder rung		Please provide details and Pay Item for Manhole Cover and ladder rung	<i>1) For Manhole cover and ladder rung Please refer to drawing no. NSRP-DWG-DEP-PL-3006 REV 21.3 2)The BOQ shall be revised to include work items for the Manhole Cover and Ladder Rung. Updated / revised BOQ shall be issued as Addendum 4.</i>																		
S-07		Volume 2, 02_Book 2 (Architectural), 01_S07 ARCH, CP S-07_02_AR_LRS	56 of 57	NSRP-DWG-LRS-AR-3851 Furniture requirement for LRS		Furniture and Equipment Layout Plan shows in the legend that there shall be 900x2000 Single Bed for Male & Female Bedrooms. Please provide pay item for 900x2000 Single Bed under BOQ Bill No. 4-1.2.	<i>The BOQ shall be revised to include work item for the 900x2000mm single bed. Updated / revised BOQ shall be issued as Addendum 4.</i>																		
S-07		Volume 1, 1.3 CP S-07 Vol.1A Sec.4A BOQ Bid Bulletin 16, Volume 1A Sec.4A BOQ_Add.2_20210 310	22 of 225 22 of 76 16 of 62	Bill of Quantities, General Requirements GBB 14 GBB 15	GS 133 (1) Trees to be root balled within Property - 1 L.s. GS 133 (2) Trees within 3rd party property - 1 L.s. As per Bid Bulletin 14 and 15, tree inventory report will be provided in addendum 3	1. Please verify how many are the trees are considered in this payitem. 2. Please provide Site Data Documents, for us to identify the number of trees: 10.11 Tree Survey Report 10.12 Tree Cutting Relocation from PNR Private Land	<i>Bidder is referred to Provisional Sum inserted in Addendum 3 for Tree Cutting/Rlocation</i>																		
S-07		GBB 18 Volume 02, _Book 2 (Architectural), 02_S07 STRUC, CP S 07_05_CMV_ST	Page 45 of 51 NSRP-DWG-CMV-AR-3501 NSRP-DWG-CMV-AR-3601	Catenary Maintenance Vehicle Shop Composite Metal Roofing		As per BB18, For composite metal roofing, refer to sheet NSRP-DWG-CMV-AR-3501 rev21 QUERY: Please provide pay item for 50mm thk Composite Metal Roofing.	<i>Please refer to the updated BOQ, Item No. D512(2) which is based from drawing no. NSRP-DWG-CMV-AR-3601, rev. 21.3. Updated BOQ shall be issued as Addendum 4.</i>																		
S-07		GBB 20 Volume 02, _Book 2 (Architectural), 02_S07 ARCH, CP-S 07_01_AR-OCC Volume 02, _Book 1 (Specifications), 02_TS SCRP_TS 500	Page 26 of 28 NSRP-DWG-OCC-AR-3437 Page 60 of 495	OCC - Floor Finishes TS 500: 6) Stone Flooring Granite tile for exterior landing of stairs and ramps Floor finish for landing of exterior stairs and ramps shall be 900mm x 1200mm x 30mm Honed Granite.	<table border="1" data-bbox="1098 1375 1439 1480"> <tr> <td>Entrance Hall Stair Steps</td> <td>Honed Granite (Juprana Colombo) Local granite, stone-banded</td> <td>900 x 1200 x30mm 600 x 600 x 30mm</td> </tr> <tr> <td>Ramps (PWTD)</td> <td>Honed Granite (Juprana Colombo)</td> <td>900 x 1200 x30mm</td> </tr> <tr> <td>Ramps</td> <td>Pebble washed out</td> <td># 05</td> </tr> <tr> <td>Baseboard</td> <td>Honed Granite (Juprana Colombo) Local granite, stone-banded</td> <td>150 x 600 x30mm</td> </tr> <tr> <td>Non-slip Tile</td> <td>Special Concrete</td> <td>300 x 300 x30mm</td> </tr> <tr> <td>Tactile Strips</td> <td>Stainless Steel</td> <td>300 x300mm</td> </tr> </table> 	Entrance Hall Stair Steps	Honed Granite (Juprana Colombo) Local granite, stone-banded	900 x 1200 x30mm 600 x 600 x 30mm	Ramps (PWTD)	Honed Granite (Juprana Colombo)	900 x 1200 x30mm	Ramps	Pebble washed out	# 05	Baseboard	Honed Granite (Juprana Colombo) Local granite, stone-banded	150 x 600 x30mm	Non-slip Tile	Special Concrete	300 x 300 x30mm	Tactile Strips	Stainless Steel	300 x300mm	As per BB20, Yes, 900mm x 1200mm x 30mm Honed Granite (Juprana Colombo). QUERY: Please provide payitem	<i>The BOQ shall be revised to include work item for 900mm x 1200mm x30mm Honed Granite (Juprana Colombo) for the landing of exterior stairs and ramps. Updated / revised BOQ shall be issued as Addendum 4.</i>
Entrance Hall Stair Steps	Honed Granite (Juprana Colombo) Local granite, stone-banded	900 x 1200 x30mm 600 x 600 x 30mm																							
Ramps (PWTD)	Honed Granite (Juprana Colombo)	900 x 1200 x30mm																							
Ramps	Pebble washed out	# 05																							
Baseboard	Honed Granite (Juprana Colombo) Local granite, stone-banded	150 x 600 x30mm																							
Non-slip Tile	Special Concrete	300 x 300 x30mm																							
Tactile Strips	Stainless Steel	300 x300mm																							

CP S04-07 Responses to Clarification Requests (Batch 17)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07		Volume 02, _Book 2 (Architectural), 01_SO7 ARCH, CP-S 07_01_AR_FPH Bid Bulletin 16, Volume 1A Sec.4A BOQ_Add.2_20210 310	NSRP-DWG-FPH1-AR-3101	Railing for Stair Bill No. 4-2.4 Fuel Pump House 1 Elevation BOQ D506(7)e Stainless Steel Railing for Ramp, Stairs(Furnished, Fabricated & Insta Installed)		As per Plan, 38mmØ thk G.I. pipe railing welded to balustrade. Please verify conflict in Plan and BOQ D506(7)e Description, which shall govern	<i>Please refer to the updated BOQ which is based from drawing no. NSRP-DWG-FPI-AR-3101 Rev21.3 . Updated / revised BOQ shall be issued as Addendum 4.</i>
S-07		Volume 2, 02_Book 1 (Civil), 04_CP S-07_DPSFE	NSRP-DWG-DEP-DR-2671 Rev. 21.2	DEPOT PUMP SUMP - Manhole (MH-2)		1. Please provide pay item for Manhole (MH-2)	<i>The BOQ shall be revised to include work item for the MH-2. Updated / revised BOQ shall be issued as Addendum 4.</i>
S-06		Volume 3 Section 8	PCC 3	PCC 6.5 Normal Working Hours	Overtime shall be permitted, providing the Contractor shall obtain the Engineer express approval to carry out such overtime at least five working days ahead of the planned overtime working.	When the Engineer is required to witness the work activity during the overtime, please clarify who needs to pay for the Engineer's overtime. If the Contractor needs to pay for this, please clarify the rate.	<i>Bidder is advised that the Contractor will not be required to cover the costs of Engineer's overtime. However, the Contractor will be required to provide the Engineer advance notice of out of hours working</i>
S-06		Volume 1 Section 3, IFB	EQC25, P.1	2.4.2 (3), 3 Construction of Steel Tied Arch Bridge		The below bridge is known as kind of tied arch bridge. Thus, contractors understand that such bridge certainly meets the requirement. Please clarify Employer's understanding is same or not.	<i>The bridge shown in the picture is more like a truss type bridge. Bidder needs to provide more information to justify the compliance to the requirement as steel tied arch bridge.</i>
S-06		Volume 2 Section 6 II Drawings	CP S-06 :BR215	NSRP-DWG-BR215-ST-0153	Paint System of Exterior Surfaces for Tied Arch	Aesthetic Top coat on site shall be painted over all on 4th cost shop although both paint materials are same. Please confirm our understanding is correct.	<i>Correct. The purpose of the site coat is to ensure that any blemishes resulting from transportation or erection are covered.</i>
S-06		Volume 2 Section 6 II Drawings	CP S-06 :BR215	NSRP-DWG-BR215-ST-0153	Stripe Coat for Tied Arch	Please clarify what is the paint material of Stripe Coat for exterior and interior surface. Is the paint material of Stipe Coat same as 1st coat?	<i>The stripe coat is the same paint material as the 2nd coat for both interior and exterior.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Volume 2 Section 6 II Drawings	CP S-06 :BR215	NSRP-DWG-BR215-ST-0153	Minimum Dry Film Thickness of Paint for Tied Arch	Total of dry film thickness of following paint layer shall be controlled by minimum dry film thickness (MDFT). Please confirm our understanding is correct. <Exterior Surface> 1st coat shop is 75 micros, Stripe coat is 75 micros, 2nd coat shop is 125 micros, 3rd coat shop is 125 micros, 4th coat shop is 50 micros. Total of dry film thickness is 450 (MDFT 425 micros). <Interior Surface> 1st coat shop is 75 micros, Stripe coat is 75 micros, 2nd coat shop is 125 micros Total of dry film thickness is 275 (MDFT 225 micros).	<i>Bidder understanding is correct.</i>
S-06		Volume 2 Section 6 II Drawings	CP S-06 :BR215	NSRP-DWG-BR215-ST-0153	Blast Clean at Site and for Exterior Area	Blast clean is very difficult to be applied at site and interior of steel box. Can the power tool be used for these location instead of blast.	<i>Blast cleaning and the first paint coats are to be done at the fabrication yard (not on site).</i>
S-06		Volume 2 Section 6 II Drawings	CP S-06 :BR215	NSRP-DWG-BR215-ST-0153	Paint System of Contact Surface of Concrete for Tied Arch	Please clarify whether any paint is required to the contact surface of concrete. If necessary, please clarify the paint system.	<i>Concrete is only in contact with steelwork at the top of stringer beams and the top of deck cross girders. Top of beams (in contact with concrete) should be painted in the same way as the rest of the bridge.</i>
S-06		Volume 2 Section 6 II Drawings	CP S-06 :BR215	NSRP-DWG-BR215-ST-0153	Mill Primer of Steel Material for Tied Arch	Please clarify whether any mill primer (shop primer) is required on steel material. If necessary, please clarify the paint system.	<i>The primer is the first coat as per the paint specification. This is to be applied in the shop.</i>
S-06		Volume 2 Section 6 I-C Technical Specification (TS)	TS200-184	209.5.6.3 Surface Conditions	Faying surface condition of slip-critical joint for Tied Arch	Please clarify whether any paint is required to the faying surface for slip critical joint of Tied Arch. Because the necessary of paint is depended on the design calculation. If necessary, please clarify the paint system.	<i>Please refer to note 5 on drawing No. NSRP-DWG-BR215-ST-0153. Rev 21.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Volume 2 Section 6 I-C Technical Specification (TS)	TS200-215	211.2.2 Weather Condition	Atmospheric and Surface Temperature for Painting	The atmospheric and surface temperature at or above 38 degree is very difficult for painting condition in hot Asian countries included with the Philippines. The temperature limitation specified by the paint manufacturer and "Painting Manual for Highway Bridges by Japan Road Association" are different from 38 degree. Therefore the temperature limitation is requested to be changed.	<i>The contractor shall be allowed to propose alternatives for the temperature limitation as specified by the manufacturer. Any proposal shall be Reviewed and subject to approval by the Engineer-of-record.</i>
S-06		Volume 2 Section 6 II Drawings	CP S-06 :BR215	NSRP-DWG-BR215-ST- 0161	Camber for Tied Arch	The Drawing of Tied Arch shows "No precamber required". However the Technical Specification 209.2.3 describes "A camber diagram shall be furnished to the Engineer by the Fabricator" Please clarify which is correct.	<i>No precamber of Arch Rib is required; the note on drawing NSRP-DWG-BR215-ST-0161 Rev..21</i>
S-06		Volume 2 Section 6 I-C Technical Specification (TS)	Annex A TS200-28	Table 209.1-2 Mass per 100 Bolts	Mass of High Strength Bolt	The mass of High Strength Bolt shown in Table 209.1-2 is so different from the nominal one. The nominal weight is more heavy than Table 209.1-2 and depended on the length. Therefore the nominal weight is requested to be applied for measurement.	<i>Agreed.</i>
S-06		Volume 2 Section 6 II Drawings	CP S-06 :BR215	NSRP-DWG-BR215-ST- 162,163,165,167	Sectional Elevation - Arch Rib	Please clarify the mean "ARCH RIB SIMILAR, BUT MIRRORRED". Is Tied Arch completely symmetric from the center of the span and longitudinal direction?	<i>Yes, the Tied Arch is completely symmetrical about the centre of the span.</i>
S-06		Volume 2 Section 6 II Drawings	CP S-06 :BR215	NSRP-DWG-BR215-ST- 113-116	Corrosion Specification of Bearing for Tied Arch	The drawing specifies Plasma Arc Spraying using Aluminum - Magnesium for the corrosion specification of Bearing. Can the alternative spray method be proposed?	<i>Yes. However, the alternative must reflect accepted international standards</i>
S-06		Volume 2 Section 6 II Drawings	CP S-06 :BR215	NSRP-DWG-BR215-ST- 171,172,197	Material of Formwork Tube for Tied Arch	Please clarify the material/grade for the formwork tube ϕ 244.5mm x 6.3mm.	<i>Refer to Drawing NSRP-DWG-BR215-ST-0241 Rev. 21.3; top and bottom formwork tube to be fabricated from Mild Steel.</i>

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S-06		Volume 2 Section 6 II Drawings	CP S-06 :BR215	NSRP-DWG-BR215-ST- 0153		According to STEELWORK NOTES: 9. PROTECTION SYSTEM for Exterior surface in the drawing said the color will be confirmed. Is it possible to temporarily set the paint color at the time of bidding to "GRAY color" for cost estimation	<i>Yes, bridge top paint coat can be assumed to be grey in colour</i>
S-06		Volume 2 Section 6 II Drawings	CP S-06 :BR215	NSRP-DWG-BR215-ST- 0153		AESTHETIC TOP COAT; According to drawing said the exterior surface will be executed the paint on site. Is it possible to change the work condition to shop paint except the painting at bolt joint area?	<i>The purpose of the site coat is to ensure that any blemishes resulting from transportation or erection are covered. Please paint the final aesthetic coat on site.</i>
S-04		Volume 2 Part II - Requirements Section 6 - Employer's Requirements IC - Technical Specification 203.4..3.2	Page 45	Time of Removal		It is understood that Contractor remove form or/and supports for walls columns, and side of beams and all other vertical surfaces after 1 day, and 2 days of curing respectively. And also it is understood that minimum percentage design strength shall be achieved as stated. However, according to Concrete Supplier in Philippines, to acquire 70-80% of minimum percentage design strength it will take around 1 week. Accordingly the requirements of minimum percentage design strength for the above cases seem too severe. Please advise in this regard.	<i>As per TS 203.4.3.2, the removal of supporting forms or falsework shall not begin until the concrete is found to have the minimum percentage design strength indicated. Forms shall not be removed until the concrete has sufficient strength to prevent damage to the surface; The contractor is allowed to propose alternatives for the time of removal. Any proposal shall be reviewed and subject to approval by the Engineer-of-record.</i>
S-05		Volume 2 Part II - Requirements Section 6 - Employer's Requirements IC - Technical Specification 203.4..3.2	Page 45	Time of Removal		It is understood that Contractor remove form or/and supports for walls columns, and side of beams and all other vertical surfaces after 1 day, and 2 days of curing respectively. And also it is understood that minimum percentage design strength shall be achieved as stated. However, according to Concrete Supplier in Philippines, to acquire 70-80% of minimum percentage design strength it will take around 1 week. Accordingly the requirements of minimum percentage design strength for the above cases seem too severe. Please advise in this regard.	<i>As per TS 203.4.3.2, the removal of supporting forms or falsework shall not begin until the concrete is found to have the minimum percentage design strength indicated. Forms shall not be removed until the concrete has sufficient strength to prevent damage to the surface; The contractor is allowed to propose alternatives for the time of removal. Any proposal shall be reviewed and subject to approval by the Engineer-of-record.</i>

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S-06		Volume 2 Part II - Requirements Section 6 - Employer's Requirements IC - Technical Specification 203.4..3.2	Page 45	Time of Removal		<p>It is understood that Contractor remove form or/and supports for walls columns, and side of beams and all other vertical surfaces after 1 day, and 2 days of curing respectively. And also it is understood that minimum percentage design strength shall be achieved as stated.</p> <p>However, according to Concrete Supplier in Philippines, to acquire 70-80% of minimum percentage design strength it will take around 1 week. Accordingly the requirements of minimum percentage design strength for the above cases seem too severe.</p> <p>Please advise in this regard.</p>	<p><i>As per TS 203.4.3.2, the removal of supporting forms or falsework shall not begin until the concrete is found to have the minimum percentage design strength indicated.</i></p> <p><i>Forms shall not be removed until the concrete has sufficient strength to prevent damage to the surface;</i></p> <p><i>The contractor is allowed to propose alternatives for the time of removal. Any proposal shall be reviewed and subject to approval by the Engineer-of-record.</i></p>
S-04		Sec 4A BOQ	94		Clean out all watercourses 50m downstream of site, dispose of rubbish environmentally off site, trim banks of watercourses for lining	Please clarify if watercourse lining is part of this scope. If so, what type of lining to be used?	<i>This water course lining was already deleted in the BoQ and included as part of Bill 8 Provisional Sum.</i>
S-04		Sec 4A BOQ	94		Line all watercourses with erosion protection as Employer's Requirements	Please clarify what type of erosion protection as per employer's requirements	<i>This erosion protection was already deleted in the BoQ and included as part of Bill 8 Provisional Sum.</i>
S-04		Volume 2			Structural Steel Quantity for Roof	Please confirm if the difference between actual weight and BOQ weight of the structural steel members will be claimed as an additional quantity if the current cross section for structural steel is not available.	<p><i>Bidder is advised this is an ad-measurement contract.</i></p> <p><i>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.</i></p> <p><i>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.</i></p>

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S-04		Volume 2			Structural Steel Quantity for Secondary Steel Members of PTFE Membranes	Please confirm if the quantity for the secondary steel members for the PTFE Mebrane is already included in the Pay Item 408(11) for Structural steel for PTFE Membrane	<p><i>Bidder to clarify query as to which are meant as "Secondary Steel Members"</i></p> <p><i>The BOQ quantity for PIN 408(11) under Bill No 4-1 includes ALL frame members as shown in drawings NSRP-DWG-ALA-ST-4161 & 4166 Rev.. 21.1; NSRP-DWG-ALA-ST-4501 & 4503 Rev.. 21; and, NSRP-DWG-ALA-ST-4502 Rev.. 21.3 ; ; NSRP-DWG-ALA-ST-4511 Rev.. 21.1; and, NSRP-DWG-ALA-ST-4512 Rev.. 21.</i></p> <p><i>Equally, the BOQ quantity for PIN 408(11) under Bill No 4-2 includes ALL frame members as shown in drawings NSRP-DWG-MUN-ST-4161 & 4166 Rev.. 21.1; NSRP-DWG-MUN-ST-4501 & 4502 Rev.. 21; NSRP-DWG-MUN-ST-4511 Rev.. 21.1; and, NSRP-DWG-MUN-ST-4512 Rev.. 21.</i></p>
S-04		Section 6 of Volume 2 - TS200 Technical Specification			As per CP S04-07 Responses to Clarification Request (Batch 11) state that the mass concrete is with reinforcement concrete like Pile Cap. Hence, also state stated the contractor shall comply with the recommendations of TS200 206.7.8.6 and TS200 Clause 206.7.8.5 regarding the cooling of the concrete.	Please confirm that we need to provide pre-installed cooling pipes on every pile cap to comply with the specification TS200 206.7.8.5. This method is not mostly practiced in construction of pile cap in the Philippines.	<i>The contractor shall be allowed to propose alternatives for concrete cooling during implementation. Any proposal shall be Reviewed and subject to approval by the Engineer-of-record.</i>
S-04		Volume 1; 1.3b CP S 04 Vol.1A Sec.4A BOQ_Add.2_20210 310	All Stations		Steel Doors Finish - Fluorourethane Baking Finish	Kindly provide specification of this finish for steel doors.	<i>Refer to TS 528.4.1.1 (Related Section) and Section 528.2.2 (Materials) for the complete specifications of the Fluorourethane Baking Finish</i>
S-04		Volume 1; 1.3b CP S 04 Vol.1A Sec.4A BOQ_Add.2_20210 310	All Stations	534	Doors and Windows - The Master Key System	Kindly provide specification/details of this item	<i>Refer to TS 534.2.3 (Keying) for the details and requirements</i>
S-04		Volume 2; 02_Book 2 (Architectural); 01_S04 GENERAL; SCRP_Gen. DWGs_Arch.-Architecture	NSRP-DWG-STA-AR-3503	522	250mm diameter Frame for Perforated and Solid Alternate Folding Aluminum Sheet	Kindly advise us the material specification of the 250mm dia. for the frame of Perforated and Solid Alternate Folding Aluminum Sheet	<i>250 mm dia galvanized iron pipe, Schedule 40</i>

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S-04		Volume 2; 02_Book 2 (Architectural); 01_S04 GENERAL; SCRP_Gen. DWGs_Arch.-Architecture	NSRP-DWG-STA-AR-3505	522(2)	180mm diameter Frame for Powder Coated Aluminum Ceiling Panel	Kindly advise us the material specification of the 180mm dia. for the item 522(5) of BOQ - 25mm x 100mm, 300mm C/C Space Powder Coated Aluminum and 90mm x 200mm x 15mm Galvanizes Steel frame Ceiling Panel including 180mm Dia. Main Ceiling Frame at East and West Side of Station Building	<i>Refer to NSRP-DWG-STA-ST-4033 Rev..21.3 for the specification of the 180 mm diameter Frame.</i>																																													
S-04		Volume 2		<table border="1"> <tr><td>Altery</td><td>15</td><td>14</td><td>13</td><td>0</td></tr> <tr><td>Workshop</td><td>9</td><td>11</td><td>19</td><td>0</td></tr> <tr><td>Sanitary</td><td>6</td><td>15</td><td>21</td><td>0</td></tr> <tr><td>Paths</td><td>9</td><td>7</td><td>16</td><td>0</td></tr> <tr><td>Drain</td><td>11</td><td>9</td><td>25</td><td>0</td></tr> <tr><td>Sanitary Room</td><td>5</td><td>12</td><td>17</td><td>0</td></tr> <tr><td>Columns</td><td>7</td><td>11</td><td>18</td><td>11</td></tr> <tr><td>Doors</td><td>20</td><td>9</td><td>29</td><td>0</td></tr> <tr><td>Chimney</td><td>13</td><td>15</td><td>10</td><td>0</td></tr> </table>	Altery	15	14	13	0	Workshop	9	11	19	0	Sanitary	6	15	21	0	Paths	9	7	16	0	Drain	11	9	25	0	Sanitary Room	5	12	17	0	Columns	7	11	18	11	Doors	20	9	29	0	Chimney	13	15	10	0	Access Hatches	Please check what will govern on the qty of Access Hatch for Each Package. MPF or Arch Qty?	<p><i>Both shall govern;</i></p> <p><i>For Mechanical:</i> Please refer to (NSRP-DWG-ALA-ME-5608, NSRP-DWG-ALA-ME-5616 Rev. 21.2) , (NSRP-DWG-ALA-ME-5638, NSRP-DWG-ALA-ME-5646 Rev. 21.1) , (NSRP-DWG-MUN-ME-5608, NSRP-DWG-MUN-ME-5616 Rev. 21.2) , (NSRP-DWG-MUN-ME-5638, NSRP-DWG-MUN-ME-5646 Rev. 21.1)</p> <p><i>For Architectural :</i> Please refer to NSRP-DWG-MUN-AR-3431, NSRP-DWG-MUN-AR-3432 Rev.. 21.3 And NSRP-DWG-ALA-AR-3431, NSRP-DWG-ALA-AR-3432 Rev.. 21.3</p>
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S-04		Volume 2		10) The vent hood must be capable of operating as cooling mode down to -10°F with optional manufacturer supplied low ambient kit.	Mechanical - HVAC Units	Please confirm if Item 10 on TS 604.1.4 General is applicable to units that will be supplied to NSCR.	<i>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.</i>																																													
S-04				Concrete Temperature	GBB 20, 13 April 2021	Please confirm what type elements of the concrete are requiring the pre-cooling and/ or post cooling. The type of elements should be included, pile, pile cap, column, pier head, precast segmental, cast in situ bridge, balanced cantilever bridge, precast parapet, upstand wall and protective concrete. If this is in relation to the size of the cross-section, please advice the detailed dimension.	<p><i>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.</i></p> <p><i>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.</i></p> <p><i>At no stage during the concreting process should the temperature of the fresh concrete exceed 35 degree C.</i></p>																																													

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S-05		Volume 2			Soil Cement Columns	<p>Please provide technical specifications for soil cement columns. There are no provided specifications under TS 400.</p> <p>a. Average Target Strength of Soil Cement Columns (on site)</p> <p>b. Grout Mix Design - kg of cement per cubic meter of in-situ soil, cubic meter of water per kg of cement</p> <p>c. Additives requirement – kg of additives per cubic of in-situ soil</p>	<p><i>Technical specifications for soil cement columns are provided on TS 418 Jet grouting issued in Addendum 3</i></p>
S-05		Volume 2			Structural Steel Quantity for Roof	<p>Please confirm if the difference between actual weight and BOQ weight of the structural steel members will be claimed as an additional quantity if the current cross section for structural steel is not available.</p>	<p><i>Bidder is advised this is an ad-measurement contract.</i></p> <p><i>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.</i></p> <p><i>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.</i></p>

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S-05		Volume 2			Structural Steel Quantity for Secondary Steel Members of PTFE Membranes	Please confirm if the quantity for the secondary steel members for the PTFE Mebrane is already included in the Pay Item 408(11) for Structural steel for PTFE Membrane	<p><i>Bidder to clarify query as to which are meant as "Secondary Steel Members"</i></p> <p><i>The BOQ quantity for PIN 408(11) under Bill No 4-1 includes ALL frame members as shown in drawings NSRP-DWG-SPO-ST-4161 & 4166 (Rev.. 21); NSRP-DWG-SPO-ST-4501 (Rev.. 21); and, NSRP-DWG-SPO-ST-4502 & 4503 (Rev.. 21.1); ; NSRP-DWG-SPO-ST-4511 (Rev.. 21.1); and, NSRP-DWG-SPO-ST-4512 (Rev.. 21).</i></p> <p><i>Equally, the BOQ quantity for PIN 408(11) under Bill No 4-2 includes ALL frame members as shown in drawings NSRP-DWG-PTA-ST-4161 & 4166 (Rev.. 21); NSRP-DWG-PTA-ST-4501 (Rev.. 21); NSRP-DWG-PTA-ST-4502 (Rev.. 21.1); NSRP-DWG-PTA-ST-4511 (Rev.. 21.1); and, NSRP-DWG-PTA-ST-4512 (Rev.. 21).</i></p> <p><i>Lastly, the BOQ quantity for PIN 408(11) under Bill No 4-3 includes ALL frame members as shown in drawings NSRP-DWG-BIN-ST-4161 & 4166 (Rev.. 21.1); NSRP-DWG-BIN-ST-4501 (Rev.. 21); NSRP-DWG-BIN-ST-4502 (Rev.. 21.1); NSRP-DWG-BIN-ST-4511 (Rev.. 21.1); and, NSRP-DWG-BIN-ST-4512 (Rev.. 21).</i></p>
S-05		Volume 2			TS 418 Jet Grouting (Soil Cement)	There is no TS 418 on the given technical specifications. Please also clarify if it will be done by jet grouting or soil cement column.	<i>Technical specifications for soil cement columns are provided on TS 418 Jet grouting issued in Addendum 3</i>
S-05		Volume 1; 1.3b CP S 05 Vol.1A Sec.4A BOQ_Add.2_20210 310	All Stations		Steel Doors Finish - Fluorourethane Baking Finish	Kindly provide specification of this finish for steel doors.	<i>Refer to TS 528.4.1.1 (Related Section) and Section 528.2.2 (Materials) for the complete specifications of the Fluorourethane Baking Finish</i>
S-05		Volume 1; 1.3b CP S 05 Vol.1A Sec.4A BOQ_Add.2_20210 310	All Stations	534	Doors and Windows - The Master Key System	Kindly provide specification/details of this item	<i>Refer to TS 534.2.3 (Keying) for the details and requirements</i>

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S-05		Volume 2; 02_Book 2 (Architectural); 01_S05 GENERAL; SCRP_Gen. DWGs_Arch.-Architecture	NSRP-DWG-STA-AR-3503	522	250mm diameter Frame for Perforated and Solid Alternate Folding Aluminum Sheet	Kindly advise us the material specification of the 250mm dia. for the frame of Perforated and Solid Alternate Folding Aluminum Sheet	250 mm dia galvanized iron pipe, Schedule 40																																													
S-05		Volume 2; 02_Book 2 (Architectural); 01_S05 GENERAL; SCRP_Gen. DWGs_Arch.-Architecture	NSRP-DWG-STA-AR-3505	522(2)	180mm diameter Frame for Powder Coated Aluminum Ceiling Panel	Kindly advise us the material specification of the 180mm dia. for the item 522(5) of BOQ - 25mm x 100mm, 300mm C/C Space Powder Coated Aluminum and 90mm x 200mm x 15mm Galvanizes Steel frame Ceiling Panel including 180mm Dia. Main Ceiling Frame at East and West Side of Station Building	Please refer to drawing no. NSRP-DWG-STA-ST-4033 Rev.21.3. Please also refer to the updated TS 500, Section 522 which shall be issued as Addendum No.4.																																													
S-05		Volume 2		<table border="1"> <tr><td>Admiral</td><td>15</td><td>20</td><td>20</td><td>9</td></tr> <tr><td>Multimedia</td><td>9</td><td>20</td><td>20</td><td>9</td></tr> <tr><td>San Nels</td><td>6</td><td>20</td><td>21</td><td>9</td></tr> <tr><td>Pedia</td><td>9</td><td>7</td><td>20</td><td>9</td></tr> <tr><td>Erer</td><td>18</td><td>9</td><td>20</td><td>9</td></tr> <tr><td>Santa Rosa</td><td>5</td><td>11</td><td>17</td><td>9</td></tr> <tr><td>Cebu</td><td>7</td><td>11</td><td>18</td><td>11</td></tr> <tr><td>Berik</td><td>20</td><td>9</td><td>20</td><td>9</td></tr> <tr><td>Calanta</td><td>15</td><td>11</td><td>20</td><td>9</td></tr> </table>	Admiral	15	20	20	9	Multimedia	9	20	20	9	San Nels	6	20	21	9	Pedia	9	7	20	9	Erer	18	9	20	9	Santa Rosa	5	11	17	9	Cebu	7	11	18	11	Berik	20	9	20	9	Calanta	15	11	20	9	Access Hatches	Please check what will govern on the qty of Access Hatch for Each Package. MPF or Arch Qty?	<p>Both shall govern;</p> <p>For Mechanical: Please refer to NSRP-DWG-BIN-ME-5608 Rev. 21.2 ,NSRP-DWG-BIN-ME-5616 Rev. 21.2 ,(NSRP-DWG-BIN-ME-5638,NSRP-DWG-BIN-ME-5646 Rev. 21.1),NSRP-DWG-PTA-ME-5608 Rev. 21.2 ,NSRP-DWG-PTA-ME-5616 ,(NSRP-DWG-PTA-ME-5638,NSRP-DWG-PTA-ME-5646 Rev. 21.1),NSRP-DWG-SPO-ME-5608 Rev. 21.1 ,NSRP-DWG-SPO-ME-5616 Rev. 21.2 ,NSRP-DWG-SPO-ME-5638 Rev. 21.1 ,NSRP-DWG-SPO-ME-5646 Rev. 21.1 ,NSRP-DWG-SRO-ME-5608Rev. 21.3 ,NSRP-DWG-SRO-ME-5616 Rev. 21 ,(NSRP-DWG-SRO-ME-5638,NSRP-DWG-SRO-ME-5646 Rev.21)</p> <p>For Architectural: Please refer to NSRP-DWG-SPO-AR-3431, NSRP-DWG-SPO-AR-3432 Rev.. 21.3 ,NSRP-DWG-PTA-AR-3431, NSRP-DWG-PTA-AR-3432 Rev.. 21.3 , NSRP-DWG-BIN-AR-3431, NSRP-DWG-BIN-AR-3432 Rev.. 21.3 , NSRP-DWG-SRO-AR-3431, NSRP-DWG-SRO-AR-3432 Rev.. 21.3</p>
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S-05		Volume 2		10) The outdoor unit shall be capable of operating in cooling mode down to -10°F with optional manufacturer supplied low ambient kit.	Mechanical - HVAC Units	Please confirm if Item 10 on TS 604.1.4 General is applicable to units that will be supplied to NSCR.	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 for batch 16 query.																																													

CP S04-07 Responses to Clarification Requests (Batch 17)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05		Volume 2			Rooms with Noise Criteria (NC)	Please provide equivalent sound level (dB) for Rooms which requires which have required Noise Criteria.	<i>Please refer to TS 605.1.3 Item No. 1 Sound Pressure Level.</i>
S-05				Concrete Temperature	GBB 20, 13 April 2021	Please confirm what type elements of the concrete require pre-cooling and/ or post cooling. The type of elements should include pile, pile cap, column, pier head, precast segmental, cast in situ bridge, balanced cantilever bridge, precast parapet, upstand wall and protective concrete. If this is in relation to the size of the cross-section, please advise the detailed dimension.	<i>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.</i>
S-06		Volume 2			Structural Steel Quantity for Roof	Please confirm if the difference between actual weight and BOQ weight of the structural steel members will be claimed as an additional quantity if the current cross section for structural steel is not available.	<i>Bidder is advised this is an ad-measurement contract. 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.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Volume 2			Structural Steel Quantity for Secondary Steel Members of PTFE Membranes	Please confirm if the quantity for the secondary steel members for the PTFE Mebrane is already included in the Pay Item 408(11) for Structural steel for PTFE Membrane	<p><i>Bidder to clarify query as to which are meant as "Secondary Steel Members"</i></p> <p><i>The BOQ quantity for PIN 408(11) under Bill No 4-1 includes ALL frame members as shown in drawings NSRP-DWG-CAB-ST-4161 (Rev.. 21); NSRP-DWG-CAB-ST-4166 (Rev.. 21.2); NSRP-DWG-CAB-ST-4501 & 4503 (Rev.. 21.3); and, NSRP-DWG-CAB-ST-4502 (Rev.. 21.1); ; NSRP-DWG-CAB-ST-4511 (Rev.. 21.2); and, NSRP-DWG-CAB-ST-4512 (Rev.. 21).</i></p> <p><i>Equally, the BOQ quantity for PIN 408(11) under Bill No 4-2 includes ALL frame members as shown in drawings NSRP-DWG-BAN-ST-4161 & 4166 (Rev.. 21); NSRP-DWG-BAN-ST-4501 (Rev.. 21); NSRP-DWG-BAN-ST-4502 (Rev.. 21.3); NSRP-DWG-BAN-ST-4511 (Rev.. 21.3); and, NSRP-DWG-BAN-ST-4512 (Rev.. 21).</i></p> <p><i>Lastly, the BOQ quantity for PIN 408(11) under Bill No 4-3 includes ALL frame members as shown in drawings NSRP-DWG-CAL-ST-4161 & 4166 (Rev.. 21.3); NSRP-DWG-CAL-ST-4501 (Rev.. 21); NSRP-DWG-CAL-ST-4502 & 4503 (Rev.. 21.1); NSRP-DWG-CAL-ST-4511 (Rev.. 21.1); and, NSRP-DWG-CAL-ST-4512 (Rev.. 21).</i></p>
S-06		Volume 1; 1.3b CP S 06 Vol.1A Sec.4A BOQ_Add.2_20210 310	All Stations		Steel Doors Finish - Fluorourethane Baking Finish	Kindly provide specification of this finish for steel doors.	<i>Refer to TS 528.4.1.1 (Related Section) and Section 528.2.2 (Materials) for the complete specifications of the Fluorourethane Baking Finish</i>
S-06		Volume 1; 1.3b CP S 06 Vol.1A Sec.4A BOQ_Add.2_20210 310	All Stations	534	Doors and Windows - The Master Key System	Kindly provide specification/details of this item	<i>Refer to TS 534.2.3 (Keying) for the details and requirements</i>
S-06		Volume 2; 02_Book 2 (Architectural); 01_S06 GENERAL; SCRP_Gen. DWGs_Arch.-Architecture	NSRP-DWG-STA-AR-3503	522	250mm diameter Frame for Perforated and Solid Alternate Folding Aluminum Sheet	Kindly advise us the material specification of the 250mm dia. for the frame of Perforated and Solid Alternate Folding Aluminum Sheet	<i>250 mm dia galvanized iron pipe, Schedule 40</i>

CP S04-07 Responses to Clarification Requests (Batch 17)

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S-06		Volume 2; 02_Book 2 (Architectural); 01_S06 GENERAL; SCRP_Gen. DWGs_Arch.-Architecture	NSRP-DWG-STA-AR-3505	522(2)	180mm diameter Frame for Powder Coated Aluminum Ceiling Panel	Kindly advise us the material specification of the 180mm dia. for the item 522(5) of BOQ - 25mm x 100mm, 300mm C/C Space Powder Coated Aluminum and 90mm x 200mm x 15mm Galvanizes Steel frame Ceiling Panel including 180mm Dia. Main Ceiling Frame at East and West Side of Station Building	Refer to NSRP-DWG-STA-ST-4033 Rev..21.3 Dated March 26 2021 for the specification of the 180 mm diameter Frame.																																																						
S-06		Volume 2		Access Hatches	<table border="1"> <tr><td></td><td>Alabang</td><td>15</td><td>24</td><td>30</td><td>9</td></tr> <tr><td>CP04</td><td>Muntinlupa</td><td>9</td><td>10</td><td>19</td><td>8</td></tr> <tr><td></td><td>San Pedro</td><td>6</td><td>15</td><td>21</td><td>9</td></tr> <tr><td></td><td>Pacta</td><td>9</td><td>7</td><td>16</td><td>9</td></tr> <tr><td></td><td>Binan</td><td>16</td><td>9</td><td>25</td><td>0</td></tr> <tr><td>CP05</td><td>Santa Rosa</td><td>5</td><td>12</td><td>17</td><td>9</td></tr> <tr><td></td><td>Cebuano</td><td>7</td><td>11</td><td>18</td><td>12</td></tr> <tr><td></td><td>Batic</td><td>20</td><td>9</td><td>29</td><td>9</td></tr> <tr><td>CP06</td><td>Calamba</td><td>15</td><td>15</td><td>30</td><td>9</td></tr> </table>		Alabang	15	24	30	9	CP04	Muntinlupa	9	10	19	8		San Pedro	6	15	21	9		Pacta	9	7	16	9		Binan	16	9	25	0	CP05	Santa Rosa	5	12	17	9		Cebuano	7	11	18	12		Batic	20	9	29	9	CP06	Calamba	15	15	30	9	Please check what will govern on the qty of Access Hatch for Each Package. MPF or Arch Qty?	<p>Both shall govern;</p> <p>For Mechanical: Please refer to NSRP-DWG-BAN-ME-5608 Rev. 21.3, NSRP-DWG-BAN-ME-5616 Rev. 21.2 ,NSRP-DWG-BAN-ME-5638 Rev. 21.1 ,NSRP-DWG-BAN-ME-5646 Rev. 21.2 ,(NSRP-DWG-CAB-ME-5608 ,NSRP-DWG-CAB-ME-5616 Rev. 21.3 d) ,NSRP-DWG-CAB-ME-5638 Rev. 21 ,NSRP-DWG-CAB-ME-5646Rev. 21.1 ,NSRP-DWG-CAL-ME-5608 Rev. 21.3 ,NSRP-DWG-CAL-ME-5616Rev. 21.2 ,NSRP-DWG-CAL-ME-5638 Rev. 21.1 ,NSRP-DWG-CAL-ME-5646Rev. 21.2</p> <p>For Architectural Please refer to NSRP-DWG-CAB-AR-3431, NSRP-DWG-CAB-AR-3432, NSRP-DWG-BAN-AR-3431, NSRP-DWG-BAN-AR-3432, NSRP-DWG-CAL-AR-3431, NSRP-DWG-CAL-AR-3432, Rev.. 21.3</p>
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CP S04-07 Responses to Clarification Requests (Batch 17)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	<i>Final Response</i>
S-06		Volume 1, Section 4	BF 15	AFFILIATE COMPANY GUARANTEE	<p>Paragraph 1 & 2 We have been informed that [name of Contractor] (hereinafter called the "Contractor") is submitting an offer for the above-referenced Contract in response to your invitation, and that the conditions of your invitation require its offer to be supported by an affiliate company guarantee.</p> <p>In consideration of you, the Employer, awarding the Contract to the Contractor, we [name of affiliated company] irrevocably and unconditionally guarantee to you, as a primary obligation, that (i) throughout the duration of the Contract, we will make available to the Contractor our financial, technical capacity, expertise and resources required for the Contractor's satisfactory performance of the Contract; and (ii) we are fully committed, along with the Contractor, to ensuring a satisfactory performance of the Contract.</p> <p>Signs [position in parent/subsidiary company] x 2 blocks</p>	<p>The Bidder is intending to submit the Bid as a JV.</p> <p>In this case, the Bidder would like to clarify that;</p> <p>[name of Contractor] shall be a Member of JV [name of affiliated company] shall be a subsidiary, parent entity, or affiliate of the above-mentioned Member of the JV. [position in parent/subsidiary company] shall be the name of company and position of the above-mentioned Member of JV and the subsidiary, parent entity, or affiliate of the above-mentioned Member of the JV respectively.</p> <p>Is the Bidder's understanding correct? if not, please specify whose name shall be written in each blanks.</p>	<p><i>The Bidder's understanding is correct.</i></p>
S-06		Volume 1, Section 4	BF 58	Form EXP-2 Construction Experience in Key Activities		<p>The Bidder would like to clarify that in case of the Bidder would submit an Experience of a subsidiary, parent entity, or affiliate as its own Experience upon submission of Affiliate Company Guarantee, the name which shall be written in the Form shall be the subsidiary, parent entity, or affiliate of the Bidder? Or, it can be the name of the Bidder itself?</p>	<p><i>The name shall be the subsidiary, parent entity or affiliate of the Bidder.</i></p>
S-06		Volume 1, Section 4	BF 58	Form EXP-2 Construction Experience in Key Activities		<p>In case of the entity who have done the required Key Activities has changed its name of the entity, the Bidder would like to clarify that below documents and its translation with notarization shall satisfy the Employer for the proof of its transformation of the name and the Experience;</p> <ul style="list-style-type: none"> - Certificate of All Registered Matters - CORINS Application form of Construction Results Transfer 	<p><i>The Bidder is advised to submit all necessary documents to justify the compliance to the requirement.</i></p>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Volume 1, Section 3	EQC 25	2.4.2 Construction Experience in Key Activities	If the key activity is to be undertaken by a Specialist Subcontractor, the Employer shall require evidence of the subcontracting agreement from the Bidder.	The Bidder would like to confirm that the Bidder is only requested to submit the subcontracting agreement after the Contract dully signed by and between the Employer and the Bidder (Contractor). In case it's necessary to submit the subcontracting agreement, please accept that the Bidder may only submit the draft subcontracting agreement without signature.	<i>No. The Employer shall require evidence of the subcontracting agreement from the Bidder together with the bid submission.</i>
S-06		Volume 1, Section 4 and Volume 2, Section 6	BF 22, 23 and Page 2 of 13	Equipment	In Page BF 23 (Form EQU): "...to demonstrate clearly that it has the capability to meet the equipment requirements indicated in Section 6 (Employer's Requirements)..." In Page 1 of 13 (Section 6 - Equipment Requirements): " The lists of Equipment per package follow from Page 3 onwards." referring to Page 11 of 13 Equipment Requirements for S-06	The Bidder would like to clarify which Equipment Form to use for the Bid: a. Form EQU: Equipment in Page BF 23 (Section 4 - Bidding Forms), or b. Equipment form in Page 2 of 13 (Section 6 - Equipment Requirement) with additional row for "Proposed Works where this equipment will be used and the purpose".	<i>Please use Form EQU provided in Section 4 - Bidding Forms.</i> <i>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.</i>
S-06		Volume 2, Section 6	Page 11 of 13	Equipment Requirement for S-06	In Page BF 23 (Form EQU): "...to demonstrate clearly that it has the capability to meet the equipment requirements indicated in Section 6 (Employer's Requirements)..." In Page 1 of 13 (Section 6 - Equipment Requirements): " The lists of Equipment per package follow from Page 3 onwards." referring to Page 11 of 13 Equipment Requirements for S-06	Various Equipment are listed in Section 6 "Equipment Requirements for S-06". The Bidder would like to clarify that it is acceptable not to comply with all the listed Equipment specially if the said Equipment are not necessary in completing the construction work and/or intended method of work.	<i>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.</i>
S-06		Volume 2, Section 6	Page 11 of 13	Equipment Requirement for S-06	Protection Fencing	Bidder would like to clarify if submission of Form EQU: Equipment is applicable to Protection Fencing since this is materials to be fabricated only and will be purchased during implementation stage.	<i>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.</i>
S-06		Volume 2, Section 6	Page 11 of 13	Equipment Requirement for S-06	Cofferdams	Bidder would like to clarify if submission of Form EQU: Equipment is applicable as Bidder understands that cofferdam will use steel sheet piles that will be purchased during implementation.	<i>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.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Volume 2, Section 6	Page 11 of 13	Equipment Requirement for S-06	Jack up Barge	Bidder would like to clarify if submission of Form EQU: Equipment is applicable even if barge is not used in our methodology.	<i>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.</i>
S-06		Volume 2, Section 6	Page 11 of 13	Equipment Requirement for S-06	Workboats	Bidder would like to clarify if submission of Form EQU: Equipment is applicable even if workboat is not used in our methodology.	<i>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.</i>
S-05		Vol 1 Sect 3 ECQ 5		Clause 1.2.3.1.1	Personnel of Technical Proposal and Addendum 2 Vol 2 Supplementary Info Minimum Key Personnel Required for CP S-05 & CPS-96	It is requested to add the key staff key position: - Deputy Director (Overall Coordinator for all Construction and Design Activity. to attend all project meeting). - Structural Design Engineer for Steel Structures - Manager for Transport, Lifting and Installation of Girder, Steel Structures and other heavy equipment and materials. - Procurement Manager, (tracking of material delivery, local or foreign source). - Please clarify the above suggestion is a variational cost.	<i>The listed key staff is for bid submission purpose. There will be no change to the said list.</i>
S-06		Vol 1 Sect 3 ECQ 5		Clause 1.2.3.1.1	Personnel of Technical Proposal and Addendum 2 Vol 2 Supplementary Info Minimum Key Personnel Required for CP S-05 & CPS-96	It is requested to add the key staff key position: - Deputy Director (Overall Coordinator for all Construction and Design Activity. to attend all project meeting). - Structural Design Engineer for Steel Structures - Manager for Transport, Lifting and Installation of Girder, Steel Structures and other heavy equipment and materials. - Procurement Manager, (tracking of material delivery, local or foreign source). - Please clarify the above suggestion is a variational cost.	<i>The listed key staff is for bid submission purpose. There will be no change to the said list.</i>

CP S04-07 Responses to Clarification Requests (Batch 17)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	<i>Final Response</i>
ALL				General Bid Bulletin No. 16 Responses to Clarification Requests (Batch 8)	If the Bidder's construction experience is as a Lead Joint Venture partner in an Integrated Joint Venture and the Bidder has been managing in all aspects of the works in the contract, the Bidder may claim the experience in such contract to satisfy the requirement stated here. Otherwise, the Bidder shall demonstrate in full details that Bidder's designated scope of works in the Joint Venture can satisfy the requirement stated here.	The Employer is requested to further explain the definition of "the Bidder has been managing in all aspects of the works in the contract".	<i>The Bidder should have been involved in all key aspects of the construction of the particular works in the contract.</i>