



General Bid Bulletin No. 15
March 8, 2021

IFB NO. 20-031-6

SOUTH COMMUTER RAILWAY PROJECT
FOR PACKAGES CP S-04, CP S-05, 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 7)

For your information and guidance.

For the Bids and Awards Committee VI,

(SGD)
WEBSTER M. LAUREÑANA
Chairperson

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	2	Section 6-1A	SOW-9	2.1.2 CP S-07 South Depot Site Location	<p>The Contractor shall interface with S-06 contractor for permission to use the Banlic Station success road for construction purposes that S-06 Contractor will be building under its contract and connect to the southern end to construct the Depot Access road.</p> <p>The Contractor for S-06 will be required to give 24/7 access from day one of the contract to S-07 Contractor for 300+ truck movements each way per day. The first contractor on site will need to provide a haul road formation for use of both Contractors.</p>	<p>Please confirm that responsibility belongs to CP-S-06 to provide service road through Banlic station until beginning point of Depot Access road for CP S-07 Contractor starting from Contract day one.</p>	<p><i>Please refer to amended Supplementary Information - Access to Sites</i></p>
S-05	1	Section 2	BDS2	Bid Data Sheet	<p>B. Contents of Bidding Documents</p> 	<p>Regarding to the site data, providing the following reports is requested.</p> <ul style="list-style-type: none"> - Design report of viaduct with Precast Segmental Construction - Design report of Balance Cantilever Bridge - Design report of Cast In-situ Construction - Design report of Elevated Station 	<p><i>No such Reports are Available nor will be provided during Bidding.</i></p>
S-05	2	Section 6	II. Drawing	VIA00- ST – 0202, 0203	<p>CONSTRUCTION SEQUENCE PRECAST SEGMENTAL CONSTRUCTION</p>	<p>Clarification is requested whether the provided construction sequence and text in the drawings is mandatory requirement or only reference.</p>	<p><i>The provided construction sequence and text in the drawings is only reference.</i></p>
S-05	2	Section 6	II. Drawing	BC07 - ST – 8005, 8006	<p>BALANCED CANTILEVER BRIDGE BC07 CONSTRUCTION SEQUECE</p>	<p>Clarification is requested whether the provided construction sequence and text in the drawings is mandatory requirement or only reference.</p>	<p><i>The provided construction sequence and text in the drawings is only reference.</i></p>
S-05	2	Section 6	GS98	GS131.3		<p>We refer to the GS131.3 saying "The Contractor shall ensure that no works of any kind are carried out within the railway protection and safety zones without prior approval and that all necessary measures are correctly put into place and managed to ensure safe working at all times." Please provide the railway protection and safety zones.</p>	<p><i>GS 131.3 shall be amended to "The Contractor shall ensure that no works of any kind are carried out within the railway protection and safety zones, i.e. 6m from the center of PNR track, without prior approval and that all necessary measures are correctly put into place and managed to ensure safe working at all times."</i></p>
S-05	2	Section 6		DWG: NSRP-DWG-VIA00-ST-1271		<p>Please kindly advise the extent where noise barrier should be installed on the viaduct structures.</p>	<p><i>There is no noise barrier under CPS-05. Note comprehensive study was carried out to assess noise impacts from the proposed Project. Section 3.3.3 of the EIS discusses the Noise assessment for the SC Project (Appendix 6D – Baseline Environmental Conditions, Impact Assessment & Mitigation of the Bidding Documents). The detailed Noise and Vibration Analysis Report refer to Annex Volume III of the EIS.</i></p>
S-06	2	Section 6	II. Drawing	BR215- ST – 0031, 0032, 0033	<p>SAN CRISTOBAL ARCH BRIDGE CONSTRUCTION SEQUENCE</p>	<p>Clarification is requested whether the provided construction sequence and text in the drawings is mandatory requirement or only reference.</p>	<p><i>The provided construction sequence and text in the drawings is only reference.</i></p>
S-06	2	Section 6	II. Drawing	VIA00- ST – 0202, 0203	<p>CONSTRUCTION SEQUENCE PRECAST SEGMENTAL CONSTRUCTION</p>	<p>Clarification is requested whether the provided construction sequence and text in the drawings is mandatory requirement or only reference.</p>	<p><i>The provided construction sequence and text in the drawings is only reference.</i></p>

CP S04-07 Responses to Clarification Requests (Batch 7)

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S-06	2	Section 6	II. Drawing	BC07 - ST – 8005, 8006	BALANCED CANTILEVER BRIDGE BC07 CONSTRUCTION SEQUECE	Clarification is requested whether the provided construction sequence and text in the drawings is mandatory requirement or only reference.	<i>The provided construction sequence and text in the drawings is only reference.</i>
S-06	2	Section 6	GS98	GS131.3		We refer to the GS131.3 saying “The Contractor shall ensure that no works of any kind are carried out within the railway protection and safety zones without prior approval and that all necessary measures are correctly put into place and managed to ensure safe working at all times.” Please provide the railway protection and safety zones.	<i>GS 131.3 shall be amended to "The Contractor shall ensure that no works of any kind are carried out within the railway protection and safety zones, i.e. 6m from the center of PNR track, without prior approval and that all necessary measures are correctly put into place and managed to ensure safe working at all times."</i>
S-07	1A	Section 4A Bidding Forms – Bill of Quantities (BOQ)	-	Bill No. 2 Part F Miscellaneous Structures	-	Please clarify the coverage that conduit (80 & 200mm, Total 3,790m) for underground electrical represents for. We could only find 1 electrical line on the drawing (CP S-07_DPSFE) that connected partially.	<i>Revised drawings were issued under Bid Addendum No. 1 dated 10-Feb-2021. Refer to rev 21.1 drawings NSRP-DWG-DEP-5101, 5102, and 5103.</i>
S-07	2	Section 6 Employer’s Requirements (ERQ) I. Specifications	TS 500 - 442	TS 500 – Architectural Works	-	Please clarify Factory Acceptance Test for Elevators required or not. If required, please advise nos of participant. 557.1 Factory Inspection (by Engineer)	<i>The Bidders shall assume a total number of 6 persons for each FAT requirement (this includes Employer and Engineer representatives).</i>
S-07	1A 2	Section 4A Bidding Forms – Bill of Quantities (BOQ) Section 6 Employer’s Requirements (ERQ) II. Drawings)	-	Bill No.2 - Part G (NSRP-DWG-DEP-PL-3009)	-	There is no items for Deep Well in the BOQ. Please provide related BOQ.	<i>Please refer to updated BOQ to be issued under Addendum 3</i>
S-07	1A 2	Section 4A Bidding Forms – Bill of Quantities (BOQ) Section 6 Employer’s Requirements (ERQ) II. Drawings)	-	Bill No. 4-1.1 (NSRP-DWG-OCC-SN-7111)	-	There is an oil separator on the drawing (NSRP-DWG-OCC-SN-7111), but related items are missing on the BOQ. Please provide related BOQ.	<i>BOQ to be modified to include Oil Separator and shall be submitted under addendum 3</i>
S-07	1A 2	Section 4A Bidding Forms – Bill of Quantities (BOQ) Section 6 Employer’s Requirements (ERQ) II. Drawings)	-	Bill No. 4-1.1 (NSRP-DWG-OCC-7105~7108)	-	There are grease traps on the drawing (NSRP-DWG-OCC-7105~7108), but related items are missing on the BOQ. Please provide related BOQ.	<i>BOQ to be modified to include Oil Separator and shall be submitted under addendum 3</i>
S-07	1A 2	Section 4A Bidding Forms – Bill of Quantities (BOQ) Section 6 Employer’s Requirements (ERQ) II. Drawings)	-	Bill No. 4-1.1 (NSRP-DWG-OCC-FS-7700 NSRP-DWG-OCC-FS-7701 NSRP-DWG-OCC-FS-7762)	-	There is a gas (NOVEC-1230) fire suppression system for B1F and 1F on the drawing (NSRP-DWG-OCC-FS-7762), but related items are missing on the BOQ. Please provide related BOQ.	<i>Please refer to GBB No.11, Bid Addendum No.1, BOQ , Bill No. 4-1.1, Pay Item No. D630(6)e, D630(6)f, D630(6)g & D630(6)h</i>

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S-07	1A 2	Section 4A Bidding Forms – Bill of Quantities (BOQ) Section 6 Employer’s Requirements (ERQ) II. Drawings)	-	Bill No. 4-2.13 (NSRP-DWG-DEP-FS-7622)	-	Please clarify a discrepancy between drawing and BOQ. [FIRE PUMP] DWG : Capacity: 1200 gpm; Discharge Pressure: 828 kPa; 1800 rpm, 97 kW, 400V BOQ : Capacity: 1200 gpm; Discharge Pressure: 690 kPa; 1800 rpm, 75 kW, 400V [JOCKEY PUMP] DWG : Capacity: 120 gpm; Discharge Pressure: 897 kPa; 1800 rpm, 10 kW, 400V BOQ : Capacity: 120 gpm; Discharge Pressure: 760 kPa; 1800 rpm, 7.70 kW, 220V	<i>Please refer to GBB No.11, Bid Addendum No.1, BOQ, Bill No. 4-2.13, Part F.4 (Fire Fighting System Works), Pay Item No. D630(1)a & D630(2)a.</i>
S-07	1A 2	Volume 1A Section 4A Bidding Forms – Bill of Quantities (BOQ) (Volume 2 Section 6 Employer’s Requirements (ERQ)	-	Bill No. 4-2.15 (NSRP-DWG-DEP-FS-7621)	-	Please clarify a discrepancy between drawing and BOQ. [FIRE PUMP] DWG : Capacity: 750 gpm; Discharge Pressure: 828 kPa; 1800 rpm, 75 kW, 400V BOQ : Capacity: 1000 gpm; Discharge Pressure: 690 kPa; 1800 rpm, 62 kW, 400V [JOCKEY PUMP] DWG : Capacity: 75 gpm; Discharge Pressure: 897 kPa; 1800 rpm, 7.5 kW, 220V BOQ : Capacity: 100 gpm; Discharge Pressure: 760 kPa; 1800 rpm, 6.42 kW, 220V	<i>Please refer to GBB No.11, Bid Addendum No.1, BOQ, Bill No. 4-2.15, Part F.4 (Fire Fighting System Works), Pay Item No. D630(1)b & D630(2)b.</i>
S-07	1A	Volume 1A Section 4A Bidding Forms – Bill of Quantities (BOQ)	-	Bill No. 4-2.17 F.3 Bill No. 4-2.18 F.3	-	There are Sanitary Works for Bicycle Parking Shed and Motorbike Parking Shed on the BOQ, but we can't find related MEP drawings. Please provide us the drawings.	<i>For Bicycle Parking Refer 3-Drawings Nos. NSRP-DWG-BPS-GE-0012 [Rev 21.1], NSRP-DWG-BPS-SN-7001 [Rev 21.1], NSRP-DWG-BPS-SN-7111 [Rev 21.1]. For Motorcycle Parking Refer 3-Drawings Nos NSRP-DWG-MPS-GE-0012 [Rev 21.1], NSRP-DWG-MPS-SN-7001 [Rev 21.1], NSRP-DWG-MPS-SN-7111 [Rev 21.1].</i>
S-07	1A	Section 4A Bidding Forms – Bill of Quantities (BOQ)	-	-	-	It is supposed to use underground water to supply water for each buildings. Is there any additional plan for water supply such as city water?	<i>Please refer to GBB No.11, Bid Addendum No.1, Bill No. 8 - Provisional Sum, PS-8 - Water Supply System. This water supply system covers the complete system to include Deep Well, Water Purification System and other related works and ancillary items necessary for the Water Supply System to be functional and operational.</i>
S-07	1A	Section 4A Bidding Forms – Bill of Quantities (BOQ)	-	Bill No. 4-3.1	-	Faucets for Kitchen Sink, Ostomates Sink, Janitor Sink are omitted. Please clarify that the faucets to be added or not.	<i>Faucets for Kitchen Sink, Ostomates Sink, Janitor Sink are to be included in the rate. Item Description for the stated Pay Items to be modified in the BOQ and shall be submitted under addendum 2</i>
S-05	1	Sec 4-Bidding Forms	BF37	CP S-05 Engineer's Concept Program		Regarding the Key Date of the Project, Contractor should provide access with completion of minimum and continuous length of 3km, 6km, 9km and remaining metres on the viaduct section within KD 02 Stage. In accordance with the referred Program, it seems that Misc. Works (Parapet, Cable Ducts, OCS Post, Etc.) are not necessary to be completed within KD 02-1, 02-2, 02-3, 02-4. Please clarify if there is any Misc. Works which shall be completed within each Key Date among the bridge auxiliary items which are indicated in the Typical Section Drawing NSRP-DWG-VIA00-ST-0062 (Parapet, Cable Ducts, OCS Post, Protection Concrete Layer, Parapet Wall, Cable Trough Cover and etc.).	<i>The bidder is required to complete Misc. Works which shall be completed within each Key Date among the bridge auxiliary items which are indicated in the Typical Section Drawing NSRP-DWG-VIA00-ST-0062 (Parapet, Cable Ducts, OCS Post, Protection Concrete Layer, Parapet Wall, Cable Trough Cover and etc.).</i>

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S-05	2	Sec.6-IV		IV. Key Personnel, Equipment		In accordance with 'Detailed Summary of Bidding Documents', [Vol 2. - Part II Requirement - Section 6] comprises of 4 items I. Specification, II. Drawings, III. Supplementary Information and IV. Key Personnel, Equipment. And it seems that IV. Key Personnel, Equipment is corresponding with the files named [2.5 SCRP_Vol.6 Key Personnel.pdf], [2.6 SCRP_Vol.6 Equipment.pdf] in the soft copy of the tender document. However, those documents are not showing specific number "IV" on its letterhead or document cover. Please confirm the documents abovementioned are for the [Section 6. IV. Key Personnel, Equipment] without omission.	<i>Yes, the bidder's understanding is correct. Revised Volume 2, Section 6, Key Personnel table will be revised and issued in Addendum 2.</i>
S-05	3	Vol. 3 Sec.8	PCC 8	Table of Key Dates		There are two Items in the table with the same reference KD 07. Please clarify if it is an error and both are to be considered as sub-items of KD 07.	<i>This is a typographical error and it will be changed to KD-08. Refer to Addendum 2</i>
S-05	2	Sec.6-IA	SOW 12	Clause 2.2.6 / Construction of Pier No. 694 near the bridge abutment of Pan Philippine Highway 1 at KM 34+379		In order to verify the interference between the existing abutment and the works for the execution of Pier No. 694, please provide the available information of the Pan Philippine Highway 1	<i>A site visit is recommended. The pier does not clash with the road but support for the bridge abutment may be needed. Limited working space at southern corner as well as on southwest and southeast elevations. The design was done based on the topo survey. Please refer to DWG-BS03-ST-0014 for more details.</i>
S-05	2	Sec.6-II	03_CP S-05_VIA05	Drawing NSRP-DWG-VIA05-ST-0019		In the plan view of the referred drawing (NSRP-DWG-VIA05-ST-0019), at Km 36+400, there is a mark highlighting the existence of a railway bridge: "RAILWAY BRIDGE PACITA COMPLEX 1, AT STA TERESITA ST (TO BE DEMOLISHED) Please clarify if this work is included in the scope of works and, if so, provide the available information. Note that this structure is not listed in the "List of Historical Sites - Database" of Section 6-IA, Scope of Works, SOW-18.	<i>The removal of the existing bridge shall be by others.</i>
S-05	2	Sec.6-II	03_CP S-05_VIA05	Drawing NSRP-DWG-VIA05-ST-0032		In the plan view of the drawing, at Km 41+070, there is a mark highlighting the existence of a railway bridge: "RAILWAY BRIDGE BARANGAY PLATERO-TAGAPO" Please clarify if there is any work to be done on this bridge and, if so, provide the available information. Note that this structure is not listed in the "List of Historical Sites - Database" of Section 6-IA, Scope of Works, SOW-18.	<i>PNR's existing bridge, which is not listed in a historic building, will not be removed unless it interferes with construction work. Currently, only the PNR railway bridge over the Pasig River will be demolished. This cost of demolition is included in the PS of S-02. There are no plans to remove other existing bridges. If it is determined that it should be removed during construction period, the contractor will be instructed to perform the demolition of existing bridge as a variation.</i>
S-05	1,2	Section 4A BOQ Book 1 (Civil)	BOQ BILL 3 PART C 122 NSRP-DWG-BC07-ST-8105	Drainage Work (In Viaduct) BC07 Drainage Details		In accordance with the Bill 3 Part C 122, Diameter of Bridge Drainage only indicate 2 type (D200 and D350). While, there is D300 Pipe inside Viaduct in accordance with "NSRP-DWG-BC07-ST-8105". Shall the Bidder consider the rates for D300 is included in D350 drainage pipes? otherwise is it typo error? Kindly clarify which one will prevail for the Bidder's precise quotation.	<i>As per drawings there were two size of pipe in balanced cantilever: 300mm for BC07 and 350mm for BC02 & BC03 (see dwg no. NSRP-DWG-BC02-ST-3105, NSRP-DWG-BC03-ST-4105 and NSRP-DWG-BC07-ST-8105 New Item for the 300mm Drain Pipe shall be included in the Updated BOQ for Addendum 2.</i>

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S-05	1,2	Section 4A BOQ Book 1 (Civil)	BOQ BILL 3 PART D 217 NSRP-DWG- VIA00-ST-1321	Miscellaneous Work Bridge Deck Joint Seal and Cover Plate Detail	Bridge Deck Joint Sealing include Back-up Materials	As indicated in referenced drawing, the joint sealing material will only be applied below the track slab and remains will be covered by steel cover plate. Considering it, the bidder is of the opinion that the quantity mentioned in BOQ, whose unit is "lm" is excessive than the bidder's calculation. Kindly advise that whether the quantity in BOQ represents the entire width of deck slab joint or the specific length where sealing material is applied.	<i>The quantity in the BOQ was calculated considering the widths of the deck slab at the respective locations of the Bridge Deck Joint Sealing. Please refer to the Updated BOQ, Addendum 1; Bill No. 3, Item No. 217.</i>
S-05	2	Vol 2 Book 1 (Civil)	NSRP-DWG- VIA00-ST-1271	Noise Barrier Details	Note 3 The Extent where noise should be prevented shall be according to technical specification	Kindly advise in which specification the Bidder can find the length of each type of barrier, as there is no content regarding type in TS229.	<i>The detailed Noise and Vibration Analysis Report is provided in Volume 3, Annex III.</i>
S-05	2	Sec.6 II. Drawings	NSRP-DWG- VIA00-ST-0341	PILE CAP REINFORCEMENT SHEET 1	Difference of Bar Mark	In the drawing, there are 4-pilecap plan and section 1 drawing. Comparing with those two drawing, there is discrepancy between bar mark "B3" and "B4". Please clarify the discrepancy of two drawings and confirm which the Contractor shall follow.	<i>Please refer to NSRP-DWG-VIA00-ST-0341 to be issued as Rev 21.2.</i>
S-05	2	Sec.6 II. Drawings	NSRP-DWG- VIA05-RD-3021	MAINTENANCE ROAD PLAN	Embankment of Maintenance Road (ex. Ch.37+360)	Some drainages and creeks will be filled with filling materials due to maintenance road embankment. Please clarify whether the contractor shall divert the existing drain water or not.	<i>All drainage pipes, culverts, creeks and rivers shall be maintained in an operable state at all times. New maintenance road embankment will require suitable provision to maintain water flow. Please refer to DWG-VIA 05-DR-0122 & 4060 for details.</i>
S-04	2	Part II, Section 6	SOW 26-30	Appendices 3, 4, 5, 6, and 7	Description of items are mentioned as to be advised	Please clarify and provide necessary information for the mentioned items if they are being awaited from the contractor to advise for the project.Pre- study of these items is required to prepare any advise. Please Clarify.	<i>Bidder to clarify the question.</i>
S-04	2	2.2 SCRPP General Specification & Appendix 5	GS 17	108.1 Site Offices for the Employer & Engineer	The Engineers office shall be in reasonably close proximity to the Contractors Site Offices. The offices shall be approximately 700 SM on plan, excluding parking areas. Office area and facilities shall consider the impact of COVID-19 and the need for social distancing and may need to be amended accordingly.	As per our understanding given layout for employer & Engineer office in this appendix needs to be modified due to impact of Covid-19, we kindly request Employer suggestion regarding new Squaremeter of Office and information about total estimated occupancy inside office building.	<i>The bidder is advised that GS Appendix 5 will be revised and issued as Addendum 2</i>
S-04		Tender Drawing 02_CP S- 04_VIA00 03_CP S- 04_VIA04	27 of 172 30 of 45	1500 Dia Pile details	Pier No. 541 to 548 in drawing no. NSRP- DWG-VIA04-ST-0102	Table provided in Tender drawing 03_CP S-04_VIA04 with drawing no. NSRP-DWG-VIA04-ST-0102 shows Pier Type Type P1 r9, Type P2 r9 for column nos 541 to 548. However, cross section drawings does not show any such types of pier. So we understand it is type P1 & P2 Pier . Please confirm.	<i>Yes, the details of Pier Type P1 r9 is similar to Pier Type P1 and Pier Type P2 r9 is similar to Pier Type P2.</i>
S-04		Tender Drawing 02_CP S- 04_VIA00 03_CP S- 04_VIA04	27 of 172 32 of 45	1500 Dia Pile details	Pier No. 642 in drawing no. NSRP-DWG- VIA04-ST-0104	Table provided in Tender drawing 03_CP S-04_VIA04 with drawing no. NSRP-DWG-VIA04-ST-0104 shows Pier Type P6, and reinforcement type as P8. How ever Cross section drawings for pile doesnot show any such types of pier. So we kindly request to provide reinforcement details for P8 Type for P6 piers.	<i>Please refer to NSRP-DWG-VIA04-ST-0104 shall be issued as Rev 21.2</i>

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S-04		Tender Drawing 03_CP S-04_VIA04	33 of 45		Pier Type ABUT 6.3	Table provided in Tender drawing 03_CP S-04_VIA04 with drawing no. NSRP-DWG-VIA04-ST-01045 shows Pier Type ABUT 6.3, and reinforcement type as ABUT-6.3. However Cross section drawings for pile/Pier does not show any such types of pier. So we kindly request to provide reinforcement details of ABUT-6.3.	<i>Details of Abutment are shown in CIS70 Maintenance and Approach Ramp Bridges drawing set.</i>
S-04	2	Section 2, Book 1 (Civil)	-	Pile Cap Details	Drawings: CP S-04_CIS40 and CP S-04_CIS50	Pile cap dimensions for P-537, P-538, P-553, and P-554 are not provided in the drawing of CP S-04_CIS40 and CP S-04_CIS50. Please provide pile cap dimensions.	<i>Pile cap types of piers P-537, P-538, P-553, P-554 given in sheet number NSRP-DWG-VIA04-ST-0102 Rev 21 as Type D1, 6 PILES. Pile cap concrete details shown in NSRP-DWG-VIA00-ST-0301 Rev 21.2, Plan-6 pile group Pile cap reinforcement details shown in NSRP-DWG-VIA00-ST-0342 Rev 21, 6 Pile Pile cap Plan (Type B, C, D & D1).</i>
S-04	2	Section 2, Book 1 (Civil)	-	Pile Cap Details	Drawings: CP S-04_CIS60 and CP S-04_CIS90	Pile cap dimensions for P-610, P-611, P-613, P-642 and P-643 are not provided in the drawing of CP S-04_CIS60 and CP S-04_CIS90. Please provide pile cap dimensions.	<i>Pile cap types of piers P-610, P-611, P-613, P-642 and P-643 given in sheet number NSRP-DWG-VIA04-ST-0103 to 0104 Rev 21 as Type D1, 6 PILES. Pile cap concrete details shown in NSRP-DWG-VIA00-ST-0301 Rev 21.2, Plan-6 pile group Pile cap reinforcement details shown in NSRP-DWG-VIA00-ST-0342 Rev 21, 6 Pile Pile cap Plan (Type B, C, D & D1).</i>
S-04	1	Section 4A BoQ	26 of 130	201(2)a	Part A, 201(2)a, Pile cap excavation in dry condition	Please confirm that these excavation items include the volume of excavated box section and excluding the quantities of inclined excavation to protect soil stability.	<i>Yes, the excavation for box section is included. Inclined excavation did not considered instead offset 1 meter bothside of excavation. Technical Specification Annex A- TS 202.1.1.1 to be modified and shall be submitted under addendum 2</i>
S-04	1	Section 4A BOQ and SCRP Vol.2 Sec.6 IB Appendix 07 PNR-5 Handling of Historical Heritage	Bill no.1	GS118(11)	Demolish Buildings/Structures, recover and make an inventory of any rail materials and other strfacts dating from after the Philippines-American War used as construction material	Referring to "Table 2. Results of discussion with PNR" of "SCRP Vol.2 Sec.6 IB Appendix 07 PNR-5 Handling of Historical Heritage", the corresponding item is only "The Old Alabang station". There is no building or facilities established in and regarding Philippines-American War in CP S-04 section. Please confirm this understanding is correct.	<i>Correlation between BOQ and Provision Sums for historic structures is under re-assessment and will be advised to bidders in Addendum 3</i>
S-04	1	CP S-04 Vol.1A Sec.4A BOQ	23 of 130	SUMMARY OF BILL No.2 EARTHWORKS		According to SUMMARY OF BILL No.2 EARTHWORKS, there is not given in PART D RETAININGWALL in ACCESS ROAD. If it is correct that it is missing, please fill the box with the above items in BOQ.	<i>The Item, Retaining Wall in Access Road is added in the Summary of Bill Please refer to GBB No.11, Bid Addendum No.1, BOQ, Bill No.2, Summary of Bill</i>

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S-04					General Clarification	<p>According to the Tender Document, Land Accquation is done by Employer but expecting the difficulties to moving of the residents.</p> <p>After commencement day, If some residents still live in ROW.</p> <p>Do the Contractor has to move out the residents in ROW?</p> <p>Who is responsible for demolishing the existing building and house?</p> <p>During the underground Construction(Bored pile Installation, Earthwork Etc.), Unexpected underground utility is detection or destroyed by Contractor(Based on Tender Document, Employer contol the Utility).</p> <p>Is the Employer reponsible for the diversion and removal of the utility?</p> <p>Besides the issues above, the table shown on the left cell is summarizing the clarification of the Contractor. Please mark in the blank of the table.</p>	<p>Demolition of buildings within the RoW will be by the Contractor. Provisional Sum included as extent of work not finalized at time of soliciting bids. Employer is responsible for relocation of informal settlers in advance of Notice to Proceed of the Works. All utilities shall be diverted by the Utility Owners unless advised otherwise.</p>
S-05		Drawing	NSRP-DWG-VIA00-ST-1500	Deck Widening Summary		Please provide Track Circuit/Signaling Schematics/ Diagrams including impedance bonds, Signal Boxes to identify where & how many deck widening segments are.	<p>NSRP-DWG-VIA04 to be issued as Rev 21.2.</p>
S-06		Drawing	NSRP-DWG-VIA00-ST-1500	Deck Widening Summary		Please provide Track Circuit/Signaling Schematics/ Diagrams including impedance bonds, Signal Boxes to identify where & how many deck widening segments are.	<p>NSRP-DWG-VIA04 to be issued as Rev 21.2.</p>
S-04	2	Book 2, Drawing.	<p>1. Drawing no. NSRP-DWG-STA-ST-4001</p> <p>2. Drawing no. NSRP-DWG-ALA-ST-4101</p> <p>3. Drawing no. NSRP-DWG-MUN-ST-4101</p>	<p>1. General station General Notes Abbreviations and legend sheet 1</p>	Discrepancy of Compressive strength of Bored Piles	<p>Refer to drawing no. Drawing no. NSRP-DWG-STA-ST-4001 specify on the Table of item 6.0 Concrete that the 28 day concrete compressive cylinder strength (f_c) for BORED PILES (IN-SITU RC) is 40 Mpa.but shown on the Notes of Drawing no. NSRP-DWG-ALA-ST-4101 and NSRP-DWG-MUN-ST-4101 is 36 Mpa. for In-Situ RC Bored Piles. There is a discrepancy between the standard drawing and station drawings, please confirm that which one is correct and shall be adopted for the compressive strength of Bored Piles.</p>	<p>The concrete compressive strength (f_c) of the respective Stations will govern which is 36MPa. "UNLESS NOTED OTHERWISE ON THE DRAWINGS" is stated on STA-ST-4001 item 6.2.</p>
S-04	1,2	Volume 1 Part IA section 4 Bill of Quantities Volume 2 - Book 2 (Architectural)- Package CP S-04: Alabang Station Architectural Drawings		<p>BOQ No.4-1 Alabang Station Item no.522(4)</p> <p>NSRP-DWG-ALA-AR-3201 Rev.21 (September 2020)</p> <p>NSRP-DWG-ALA-AR-3202 Rev.21 (September 2020)</p> <p>NSRP-DWG-ALA-AR-3569 Rev.21 (September 2020)</p> <p>NSRP-DWG-ALA-AR-3571 Rev.21 (September 2020)</p> <p>NSRP-DWG-STA-AR-3504 Rev.21 (September 2020)</p>	<p>2400 x 1200 x 3mm thk 5mm Dia Perforated Aluminum Panel with Applied Polyester Powder Coating Finish on Steel Stud</p> <p>Elevation Sheet 1</p> <p>Elevation Sheet 2</p> <p>Schedule of Wall Finishes Sheet 1</p> <p>Schedule of Wall Types Sheet 1</p> <p>Typical details Wall Sheet 2</p>	<p>1.) DWG No. NSRP-DWG-ALA-AR-3569 Rev.21 Date September 2020, Specify 9 (WF9)--2400x1200x3 mm. THK Perforated Aluminium panel with applied polyester powder coating finish on steel stud while</p> <p>2.)DWG No. NSRP-DWG-ALA-AR-3571 Rev.21 Date September 2020 WT1 Wall type-1 specify as exterior wall which is same location as DWG No.NSRP-DWG-ALA-AR-3569 Rev.21 Date September 2020, Wall type 1 which shown on typical details wall as ACP-Aluminium Composite Panel system on Aluminium at Exterior wall (NSRP-DWG-STA-AR-3504).</p> <p>There is an discrepancy between DWG No. NSRP-DWG-ALA-AR-3569 Rev.21 Date September 2020 and DWG No. NSRP-DWG-ALA-AR-3571 Rev.21 Date September 2020 regarding material system for exterior wall. Please confirm the speccification of exterior wall.</p>	<p>As per specification the material used for the exterior /blank wall shall be Aluminum Composite Material with FEVE or PVDF coating.</p> <p>For the Aluminum Composite Material at Platform level, it shall be with 60% perforation. Drawings NSRP-ALA-AR-3569 (Rev.21) to be corrected.</p>

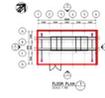
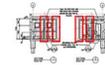
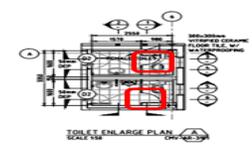
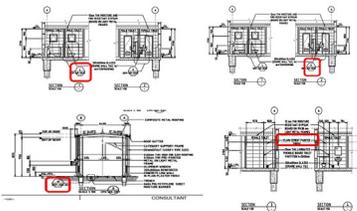
CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04		Volume 1 Part IA section 4 Bill of Quantities Volume 2 - Book 2 (Architectural)- Package CP S-04: Muntinlupa Station Architectural Drawings		BOQ No.4-2 Muntinlupa Station Item no.522(4) NSRP-DWG-MUN-AR-3201 Rev.21 (September 2020) NSRP-DWG-MUN-AR-3202 Rev.21 (September 2020) NSRP-DWG-MUN-AR-3422 Rev.21 (September 2020) NSRP-DWG-STA-AR-3504 Rev.21 (September 2020)	2400 x 1200 x 3mm thk 5mm Dia Perforated Aluminum Panel with Applied Polyester Powder Coating Finish on Steel Stud Elevation Sheet 1 Elevation Sheet 2 Stair Details Sheet 2 Typical details Wall Sheet 2	1.) BOQ 522(4) 2400 x 1200 x 3mm thk 5mm Dia Perforated Aluminum Panel with Applied Polyester Powder Coating Finish on Steel Stud. 2.) DWG No. NSRP-DWG-MUN-AR-3201 Rev.21, NSRP-DWG-MUN-AR-3202 Rev.21, NSRP-DWG-MUN-AR-3422 Rev.21 specifies Aluminum Cladding wall finish. 3.) DWG No. NSRP-DWG-STA-AR-3504 Rev.21 specifies ACP-Aluminium Composite Panel System on Aluminium at exterior wall. 4.) DWG No. NSRP-DWG-MUN-AR-3569 Rev.21 specifies exterior wall as 6 (WF6)-Aluminum Panels with calcium silicate on steel stud. There are discrepancies among the referred DWG and BOQ. Please confirm which one is the correct material and BOQ for exterior wall.	<i>As per specification the material used for the exterior blank wall shall be Aluminum Composite Material with FEVE or PVDF coating.</i> <i>For the Aluminum Composite Material at Platform level, it shall be with 60% perforation.</i>
S-04	2	Book 1 (Civil), Package CP S-04 - VIA04	Drawing no. NSRP-DWG- VIA04-ST-0038	General arrangement (span layout) KM.31+050 to 31+400	Note: 4. Special restrainer for active fault countermeasure applied from 30+889 to 31+229 restrainer drawings, refer to DWG. no. NSRP-DWG-VIA00-ST-1401	The design of a special restrainer shown in DWG. no. NSRP-DWG-VIA00-ST-1401 does not annotate the drawing detailed enough. Therefore we are asking if possible, to request another drawing with more information and details.	<i>Revised drawing to be issued as Rev 21.2 for Addendum 2</i>
S-05	2	Book 2, Drawing.	1. Drawing no. NSRP-DWG- STA-ST-4001 2. Drawing no. NSRP-DWG- SPO-ST-4101 3. Drawing no. NSRP-DWG- PTA-ST-4101 4. Drawing no. NSRP-DWG-BIN- ST-4101 5. Drawing no. NSRP-DWG- SRO-ST-4101	General station General Notes Abbreviations and legend sheet 1		Refer to drawing no. Drawing no. NSRP-DWG-STA-ST-4001 specify on the Table of item 6.0 Concrete that the 28 day concrete compressive cylinder strength (f'c) for BORED PILES (IN-SITU RC) is 40 Mpa, but shown on the Notes of Drawing no. NSRP-DWG-SPO-ST-4101, NSRP-DWG-PTA-ST-4101, NSRP-DWG-BIN-ST-4101 and NSRP-DWG-SRO-ST-4101 is 36 Mpa. for In-Situ RC Bored Piles. There is a discrepancy between the standard drawing and station drawings, please confirm that which one is correct and shall be adopted for the compressive strength of Bored	<i>The concrete compressive strength (f'c) of the respective Stations will govern which is 36MPa. "UNLESS NOTED OTHERWISE ON THE DRAWINGS" is stated on STA-ST-4001 item 6.2.</i>
S-05	1,2	1. Volume 1.1A, Sectioon 4A 2. Volumn 2, Book 2, Drawing.	1. Drawing no. NSRP-DWG- SPO-ST-4101 2. Drawing no. NSRP-DWG- PTA-ST-4101 3. Drawing no. NSRP-DWG-BIN- ST-4101 4. Drawing no. NSRP-DWG- SRO-ST-4101	Reinforcement Details Bored Piles	Discrepancy of quantity of Bored Piles between BOQ and station drawings.	Refer to station Drawings, there are the details and specified toe of bored piles which are difference from the quantity shown on BOQ. Please confirm that the toe level shown on station drawings are correct and shall be adopted.	<i>The linear meter quantity of bored pile can be calculated from the given pile schedule in the drawings.</i> <i>It is confirmed that the BOQ is consistent with the Drawing. Please refer to the Updated BOQ Addendum 1.</i>
S-05	3	Section 8	PCC 8	Summary of Key Dates	Key Dates	In the Key Dates table, last Key Date shall be KD 08 instead of KD 07. Please confirm.	<i>It is confirmed. Please refer to updated Bidding Documents</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	2	Book 2, Drawing.	1. Drawing no. NSRP-DWG-STA-ST-4001 2. drawing no. NSRP-DWG-CAB-ST-4101 3. Drawing no. NSRP-DWG-BAN-ST-4101 4. Drawing no. NSRP-DWG-CAL-ST-4101	General station General Notes Abbreviations and legend sheet 1		Refer to drawing no. Drawing no. NSRP-DWG-STA-ST-4001 specify on the Table of item 6.0 Concrete that the 28 day concrete compressive cylinder strength (f'c) for BORED PILES (IN-SITU RC) is 40 Mpa. but shown on the Notes of Drawing no. NSRP-DWG-CAB-ST-4101, NSRP-DWG-BAN-ST-4101 and NSRP-DWG-CAL-ST-4101 is 36 Mpa. for In-Situ RC Bored Piles. There is a discrepancy between the standard drawing and station drawings, please confirm that which one is correct and shall be adopted for the compressive strength of Bored	The concrete compressive strength (f'c) of the respective Stations will govern which is 36MPa. "UNLESS NOTED OTHERWISE ON THE DRAWINGS" is stated on STA-ST-4001 item 6.2.
S-06	1,2	1. Volume 1.1A, Sectoion 4A 2. Volumn 2, Book 2, Drawing.	1. Drawing no. NSRP-DWG-CAB-ST-4101 2. Drawing no. NSRP-DWG-BAN-ST-4101 3. Drawing no. NSRP-DWG-CAL-ST-4101	Reinforcement Details Bored Piles	Discrepancy of quantity of Bored Piles between BOQ and station drawings.	Refer to station Drawings, there are the details and specified toe of bored piles which are difference from the quantity shown on BOQ. Please confirm that the toe level shown on station drawings are correct and shall be adopted.	1. The linear meter quantity of bored pile can be calculated from the given pile schedule in the drawings. 2. It is confirmed that the BOQ is consistent with the Drawing. Please refer to the Updated BOQ Addendum 1.
S-07	1	1.3 CP S-07 Vol.1A Sec.4A BOQ 20201001	199	BILL OF QUANTITIES No. 4-2.21 CAR WASHING TRACK		Building Car washing track is has only quantity but is no drawing. Please give us more detail about structural and architectural works drawing for tender. 	Drawing Details of Car washing Track to be added at Architectural in NSRP- DWG-CWT-AR-3001,3011 and Structural Drawings NSRP-DWG-CWT-ST-3000 NSRP-DWG-CWT-ST-4101 NSRP-DWG-CWT-ST-4111 NSRP-DWG-CWT-ST-4121; Have been updated and to be Issued as Rev 21.2
S-07	2	Book2(Architectural),01_S07 ARCH,CP S-07_03_AR_URS	5	NSRP-DWG-URS-AR-3311		Please confirm, the stair which red circle in picture have floor finishing work if yes, please give us more detail finishing type work. 	Stair materials: Stainless Steel Gratings; Stair Details to be added in NSRP- DWG-URS-AR-3201,3313 as Addendum-2

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	2	Book2(Architectural),01_S07 ARCH,CP S-07_12_AR_DBS1	3	NSRP-DWG-DBS1-AR-3101		Please specify the type of floor Finishing. 	Floor Finish: T=50mm, Plain Cement Troweled Finish with Hardener to be added Floor finishes in NSRP- DWG-DBS1-AR-3101 as Addendum-2
S-07	2	Book2(Architectural),01_S07 ARCH,CP S-07_05_AR_CMV	6	NSRP-DWG-CMV-AR-3001		Please give us more detail about wall type. 	Wall type details to be added in NSRP- DWG-CMV-AR-3501 as in Addendum-2
S-07	2	Book2(Architectural),01_S07 ARCH,CP S-07_05_AR_CMV	6	NSRP-DWG-CMV-AR-3001		Please give us more detail about door type. 	Use 20mm thick phenolic board toilet partition. Door also must be phenolic board type. These will be shown in drawing Revision 21.2 and will also be reflected in the revised TS500.
S-07	2	Book2(Architectural),01_S07 ARCH,CP S-07_05_AR_CMV	6	NSRP-DWG-CMV-AR-3001		Please specify the painted area in the red frame. 	Use 300x600mm glazed ceramic wall tile to be installed from the finished floor up to the finished ceiling. These will be shown in drawing Revision 21.2 and will also be reflected in the revised TS500.
S-05	2	Section 6, II Drawings (Civil/Via00)		DWG N°. NSRP-DWG-VIA00-ST-0402	- Crack control recommendations for pier column and headstock only. Maximum concrete placement temperature should be keep at 24°C for 40MPa. - Crack control recommendations for pile caps only. Maximum concrete placement temperature should be keep at 28°C for 40MPa.	In order the contractor to evaluate the conditions to be considered for the characteristics of the concrete, would you kindly provide the requirements in relation the thermal cracks considering 30°C as practical concrete placement temperature taking into account the daily low temperature in Manila of 28°C.	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. Drawing NSRP-DWG-VIA00-ST-0403 shall be revised and issued to the Bidders.

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	2	Section 6, II Drawings (Civil/Via00)		DWG N°. NSRP-DWG-VIA00-ST-0402	- Crack control recommendations for pier column and headstock only. Maximum concrete placement temperature should be keep at 24°C for 40MPa. - Crack control recommendations for pile caps only. Maximum concrete placement temperature should be keep at 28°C for 40MPa.	In order the contractor to evaluate the conditions to be considered for the characteristics of the concrete, would you kindly provide the requirements in relation the thermal cracks considering 30°C as practical concrete placement temperature taking into account the daily low temperature in Manila of 28°C.	<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. Drawing NSRP-DWG-VIA00-ST-0403 shall be revised and issued to the Bidders.</i>
S-05	2	Part II- Section 6, IB General Specification		All clauses		LS items Time related charges will be paid proportionally over the contract period or everyone has different Payment Schedule?	<i>The bidder's understanding is correct in principle. However the bidder shall provide a detailed schedule of time related charges for Engineer's approval Bidder is advised that the BOQ will be updated where the unit of time relate items in Bill No.1 of the BOQ will be adjusted from LS to month. For traffic management items (GS 114), the current 1 item will be changed to 2 items, LS item and time related item.</i>
S-06	2	Section 6, II Drawings (Civil/Via00)		DWG N°. NSRP-DWG-VIA00-ST-0402	- Crack control recommendations for pier column and headstock only. Maximum concrete placement temperature should be keep at 24°C for 40MPa. - Crack control recommendations for pile caps only. Maximum concrete placement temperature should be keep at 28°C for 40MPa.	In order the contractor to evaluate the conditions to be considered for the characteristics of the concrete, would you kindly provide the requirements in relation the thermal cracks considering 30°C as practical concrete placement temperature taking into account the daily low temperature in Manila of 28°C.	<i>Please follow TS200 series.</i>
S-06	2	Section 6, II Drawings (Civil/Via00)		DWG N°. NSRP-DWG-VIA00-ST-0402	- Crack control recommendations for pier column and headstock only. Maximum concrete placement temperature should be keep at 24°C for 40MPa. - Crack control recommendations for pile caps only. Maximum concrete placement temperature should be keep at 28°C for 40MPa.	In order the contractor to evaluate the conditions to be considered for the characteristics of the concrete, would you kindly provide the requirements in relation the thermal cracks considering 30°C as practical concrete placement temperature taking into account the daily low temperature in Manila of 28°C.	<i>Please follow TS200 series.</i>
S-06	2	Part II- Section 6, IB General Specification		All clauses		LS items Time related charges will be paid proportionally over the contract period or everyone has different Payment Schedule?	<i>The bidder's understanding is correct in principle. However the bidder shall provide a detailed schedule of time related charges for Engineer's approval Bidder is advised that the BOQ will be updated where the unit of time relate items in Bill No.1 of the BOQ will be adjusted from LS to month. For traffic management items (GS 114), the current 1 item will be changed to 2 items, LS item and time related item.</i>
S-07	2	Sec.6 ERQ	TS-100-Annex A-10	TS-200, 204.1.1.4/ Permanent Casing	"エラー! 参照元が見つかりません。"	Please check and confirm correct Section to be referred for the Contents described in Japanese words as "エラー! 参照元が見つかりません。" described in the first paragraph of sub-clause 204.1.1.4.	<i>Refer to Sub-Clause 204.4.3.2 of TS 200</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	1	Sec.4A BoQ	1) Bill No.2 2) TS100-31 3) TS-100-Annex A-8	Bill of Quantities No.2 104 of Technical Specification / Subgrade Preparation		Regardless of requirements specified in Technical specification, there is no separate pay item for Subgrade preparation in Bill of Quantities and its quantity. Should Bidder consider this to include into the Pay Item for Embankment? Based on Section 104 of Technical Specification, Subgrade preparation would be individual pay item under separate Construction requirements. Please clarify.	<i>Please refer to Clause 104.1.1 of TS as below. "Payment for all work for the preparation of the subgrade, including shaping to the required levels and tolerances, other than as specified above shall be deemed to be included in the Pay Item for Embankment."</i>
S-07	2	Sec.6 ERQ	TS200-62	TS200, 204.4.4/ Obstructions	"エラー! 参照元が見つかりません。"	Please check and confirm correct Section to be referred for the Contents described in Japanese words as "エラー! 参照元が見つかりません。" described in the sub-clause 204.4.4.	<i>Japanese words shall be replaced with "Refer to Section 202"</i>
S-07	2	Sec.6 ERQ	TS200-181	TS200, 209.4.14/ Full-Size Tests	"エラー! 参照元が見つかりません。"	Please check and confirm correct Section to be referred for the Contents described in Japanese words as "エラー! 参照元が見つかりません。" described in the sub-clause 209.4.14.	<i>Japanese words shall be replaced with "Refer to Sub-Clause 209.1.2 of Annex-A"</i>
S-07	2	Sec.6 ERQ	TS200-27	Annex A-TS200, 209.1.1.3/ Miscellaneous Steelwork	"エラー! 参照元が見つかりません。"	Please check and confirm correct Section to be referred for the Contents described in Japanese words as "エラー! 参照元が見つかりません。" described in the sub-clause 209.1.1.3	<i>Japanese words shall be replaced with "Refer to Sub-Clause 209.6.4.2 of ST 200"</i>
S-07	2	Sec.6 ERQ	TS400-100	TS400, 408.3.7/ Galvanizing	"エラー! 参照元が見つかりません。"	Please check and confirm correct Section to be referred for the Contents described in Japanese words as "エラー! 参照元が見つかりません。" described in the sub-clause 408.3.7	<i>Japanese words shall be replaced with "Refer to 408.3.2.3 as Specified in Sub-Clause 408.3.7"</i>
S-07	2	Sec.6 ERQ	TS500-90	TS500, 504.2.3/ Bedding and Joint Sand	"エラー! 参照元が見つかりません。"	Please check and confirm correct Section to be referred for the Contents described in Japanese words as "エラー! 参照元が見つかりません。" described in the Article 3) and 4) of sub-clause 504.2.3	<i>Japanese words shall be replaced with "3) Refer to the Table 504.2.3-2 4) Refer to the Table 504.2.3-1"</i>
S-07	1	Sec.4A BoQ		BOQ-Bill No.2- Earthworks/Site Development-Part D- Structural Works Bored piles in dry condition	NSRP-DWG-DEP-RP-1926/ NSRP-SOUTH DEPOT PERIMETER WALL, PILED RC Retaining wall Type2	BOQ-Bill No.2-Earthworks/Site Development-PartD-Structural Worksshow that diameter and quantityof Bored piles in dry condition are 1,000mm (15,423m) and 1,500mm (16,065m) each. However, Drawing No.NSRP-DWG-DEP-RP-1926 named NSRP-SOUTH DEPOT PERIMETER WALL, PILED RC Retaining wall Type2 said diameter of each pile is 1,200mm and 1,500mm in the table 1. Please clarify this."	<i>Design Drawing of DEPOT PERIMETER WALL has been revised. Diameter of Bored piles is 1000mm and 1500mm.</i>
S-07	2	Sec.6 ERQ	TS-100	TS200, 109.3.7/ Backfilling	"Materials for backfilling on each side of the conduit for the full trench width and to an elevation of 300mm above the top of the conduit shall be fine, readily compactible soil or granular material selected from excavation or from a source of the Contractor's choice,...."	What is definition of readily compactible soil? Please confirm whether requirements of TS 103 for common soil for embankment is applicable otherwise please provide specific requirement.	<i>Please refer to TS 103.</i>
S-07	2	Sec.6 ERQ	TS-200	TS200, 205.2.1.2/ Strength in Transverse Direction	"If a sufficient junction strength can be ensured, it is suggested to set the tensile strength in the transverse direction from a minimum of 1/3 of the one in the longitudinal direction. "It is recommended that geosynthetics having an identical tensile strength in both the longitudinal direction and the transverse direction shall be adopted in the whole sections with or without electric poles so that the following reasons have been considered."	Please confirm biaxial geogrid with identical tensile strength in longitudinal and transverse direction shall be used, not uniaxial geogrid with 1/3 strength in transverse direction.	<i>This is to confirm the use of bi-axial geogrids. Kindly refer for TS200, 205.2.2.1.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	1	Volume 1A Section 4	n/a	527/528	Windows Schedule - All Stations CP S-04	Windows schedule for all of the stations are not the same on the Bill of Quantities	BOQ will be revised and issued to bidders in addendum 2
S-04	2		n/a	564(28)	Rubber Buffer	Kindly provide specification for rubber buffer.	<p>Use 300mmx900mm fabric-reinforced laminated (between structural steel angles) rubber dock bumper. These will be shown in drawing Revision 21.2 and will also be reflected in the revised TS400.</p> 
S-04	1	Volume 1A Section 4	n/a		Door Schedules - All stations	Door schedule for all of the stations are not the same on the Bill of Quantities	<p>BOQ is modified as per latest revised Drawings. Please refer to GBB No.11, Bid Addendum No.1: 1)BOQ, Bill No.4-1 & 4-2, 2)NSRP-DWG-ALA-AR-3561 to 3562 REV 21.1 & NSRP-DWG-MUN-AR-3561 to 3562 Rev 21.1</p>
S-04	2	Drawings		Pier Reinforcement Details		Please provide the reinforcement details for - Pier Type P8, Pier Reinforcement Type 11 - Pier Type P6-613, Pier Reinforcement Type 14	<p>Pier Type P8 Type 11 reinforcement detail given in NSRP-DWG-VIA00-ST-0682 Rev 21.</p> <p>Pier Type P6-613 Type 14 rebar detail shall be provided in NSRP-DWG-VIA00-ST-0654 Rev 21.2</p>
S-04	2	Section 6 Part I B - GS 131.3	GS 98	GS 131.3 Reference Plans	Request for PNR plans	Please provide PNR plans defining the railway protection and safety zones for Contractor to understand limits/boundaries requiring safety hoardings indicated in Section GS 131.4.	<p>GS 131.3 shall be amended to "The Contractor shall ensure that no works of any kind are carried out within the railway protection and safety zones, i.e. 6m from the center of PNR track, without prior approval and that all necessary measures are correctly put into place and managed to ensure safe working at all times."</p>
S-05	1	Volume 1A Section 4	n/a	527/528	Windows Schedule - All Stations CP S-04	Windows schedule for all of the stations are not the same on the Bill of Quantities	BOQ will be revised and issued to bidders in addendum 2
S-05	2		n/a	216(6)	Buffer Beaming	Please provide specification for buffer beaming.	<p>Refer to Sheet NSRP-DWG-SPO-ST-4522 rev 21 NSRP-DWG-PTA-ST-4522 rev 21 NSRP-DWG-BIN-ST-4522 rev 21 NSRP-DWG-SRO-ST-4522 rev 21</p> <p>The specifications TS400 will be updated.</p>
S-05	2		n/a	564(28)	Rubber Buffer	Kindly provide specification for rubber buffer.	<p>300mmx900mm fabric-reinforced laminated (between structural steel angles) rubber dock bumper. TS will be updated.</p> 

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	1	Volume 1A Section 4	n/a	405	Concrete Strength - San Pedro	Please clarify concrete strength of column for San Pedro station as the drawings states both 31 and 36MPa but BOQ states its 31MPa. NSCP-DWG-SPO-ST-4111 /NSCP-DWG-SPO-ST-4121	BOQ Pay Item 405(3)b --- Structural Concrete, Class AAA, 31 MPa for Column --- under Part C.1 of Bill 4-1 followed the design specification of NSRP-DWG-SPO-ST-4121, f'c = 31Mpa.
S-05	1	Volume 1A Section 4	n/a		Door Schedules - All stations	Door schedule for all of the stations are not the same on the Bill of Quantities	The BOQ shall be revised to reflect appropriate Item of works. Updated BOQ shall be issued as Addendum 2.
S-05	2	Section 6 Part 1 B - GS 131.3	GS 98	GS 131.3 Reference Plans	Request for PNR plans	Please provide PNR plans defining the railway protection and safety zones for Contractor to understand limits/boundaries requiring safety hoardings indicated in Section GS 131.4.	GS 131.3 shall be amended to "The Contractor shall ensure that no works of any kind are carried out within the railway protection and safety zones, i.e. 6m from the center of PNR track, without prior approval and that all necessary measures are correctly put into place and managed to ensure safe working at all times."
S-06	1	Volume 1A Section 4	n/a	527/528	Windows Schedule - All Stations CP S-04	Windows schedule for all of the stations are not the same on the Bill of Quantities	The BOQ shall be revised to reflect appropriate Item of works. Updated BOQ shall be issued as Addendum 2.
S-06	2		n/a	216(6)	Buffer Beaming	Please provide specification for buffer beaming.	For the BOQ, the assumed dimension is 170mm thick, height is 300mm, and length equal to the column width to which it will be installed.
S-06	2		n/a	564(28)	Rubber Buffer	Kindly provide specification for rubber buffer.	300mmx900mm Fabric reinforced laminated between structural steel angles rubber dock bumper. TS will be updated. 
S-06	1	Volume 1A Section 4	n/a		Door Schedules - All stations	Door schedule for all of the stations are not the same on the Bill of Quantities	The BOQ shall be revised to reflect appropriate Item of works. Updated BOQ shall be issued as Addendum 2.
S-06	2	Drawings		NSRP-DWG-VIA00-ST-0421	Pier Type P3	Please confirm the BD(mm) of Pier P-1050 should read 4,000 instead of 40.	Value of BD in drawing number NSRP-DWG-VIA00-ST-0421 is modified as 4000. Issued as Rev 21.2
S-06	2	Drawings		NSRP-DWG-VIA00-ST-0303	Pile Cap Orientation	Please confirm "W1" is representing to the side of the pile cap where is increasing chainage	W1 dimension shown in drawing number NSRP-DWG-VIA00-ST-0303 Rev 21, refers to the pilecap width in transverse direction.
S-06	2	Section 6 Part 1 B - GS 131.3	GS 98	GS 131.3 Reference Plans	Request for PNR plans	Please provide PNR plans defining the railway protection and safety zones for Contractor to understand limits/boundaries requiring safety hoardings indicated in Section GS 131.4.	GS 131.3 shall be amended to "The Contractor shall ensure that no works of any kind are carried out within the railway protection and safety zones, i.e. 6m from the center of PNR track, without prior approval and that all necessary measures are correctly put into place and managed to ensure safe working at all times."
S-04	1	Sec 4A BOQ	94		Clean out all watercourses 50m upstream of site, dispose of rubbish environmentally off site, trim banks of watercourses for lining	This item need related Technical Specification clause. Please, provide the Clause of Technical specification and the Criteria of payment.	Cleaning of watercourses will be added to Provisional Sum Section 4A in addendum 2

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	1	Sec 4A BOQ	94		Clean out all watercourses on site, dispose of rubbish environmentally off site, trim banks of watercourses for lining	This item need related Technical Specification clause. Please, provide the Clause of Technical specification and the Criteria of payment.	<i>Cleaning of watercourses will be added to Provisional Sum Section 4A in addendum 2</i>
S-04	1	Sec 4A BOQ	94		Clean out all watercourses 50m downstream of site, dispose of rubbish environmentally off site, trim banks of watercourses for lining	This item need related Technical Specification clause. Please, provide the Clause of Technical specification and the Criteria of payment.	<i>Cleaning of watercourses will be added to Provisional Sum Section 4A in addendum 2</i>
S-04	1	Sec 4A BOQ	94		Line all watercourses with rip-rap erosion protection	This item need related Technical Specification clause. Please, provide the Clause of Technical specification and the Criteria of payment.	<i>Cleaning of watercourses will be added to Provisional Sum Section 4A in addendum 2</i>
S-04	2	Sec 6 II drawing Maintenance Road	21			Please, Provide existing level and Finished level from 29+260 to 30+460 and from 32+380 to 32+900.	<i>Maintenance Road Alignment to follow existing road level. Refer to drawing NSRP-VIA04-RD-2008 Rev 21 for typical road cross section as reference.</i>
S-04	2	Sec 6 II drawing Structural SS 07-09	8, 14, 20		Drawing No. : NSRP-DWG-SS07-ST-4311 NSRP-DWG-SS08-ST-4311 NSRP-DWG-SS09-ST-4311	There is Soil Improvement by crushed stone in the drawing. But it can't be found at the BOQ, Please, clarify the Soil Improvement by crushed stone.	<i>The BOQ shall be revised to reflect appropriate Item of works. Updated BOQ shall be issued as Addendum 2. Pay Item No. 106(2) - Aggregate Subbase Course in Stations and Substations</i>
S-04	2	Sec 6 II drawing CP S-04_VIA04	20 vs 31		At Page 20, - P-611 : L=17m, P-613 : L=29m At table of Page 31, - P-611 : L=29m, P-613 : L=17m	Each page mentions different value for the bored pile length. Please, clarify it.	<i>Pile length for: P-611: L=32m, NSRP-DWG-VIA04-ST-0038 [Rev 21.2] and P-613: L=21.5m NSRP-DWG-VIA04-ST-0103 [Rev 21.2]</i>
S-04	2	Sec 6 II drawing CP S-04_ALA_ST	5 vs 22		At Page 5, - Bottom of Pile = -30.9m At Page 22, - EGL = -33.9m	Each page mentions different value for the bottom of pile at the structural drawing of Alabang Station. Please, clarify it.	<i>Please refer to NSRP-DWG-ALA-ST-4101 & NSRP-DWG-ALA-ST-4301 Rev 21.1 Addendum-1.</i>
S-04	1	Sec 4A BOQ	24	unit	Sqm' in the BOQ - 104 Subgrade Preparation (Common material)	There is 'Cubic meter' in the TS 100 Annex A of Technical Specification. Please, clarify it.	<i>TS 100 has been corrected. Revised TS to be issued as Addendum 2.</i>
S-04	2	Sec.6-IA Scope of Works		List of Historical Sites - Database		Please clarify the exact work scope of contractor for Historical Site. And please explain the detail works which contractor should do as per following Categories; - RS (Retrieve Structure) ; - MBD (May Be Demolition) ; - PCL (Protect in Current Location) ; - Reloc.(Protect and Relocate Elsewhere) ; - Dem.(Already Demolished) ;	<i>Please refer to GS 118.9 for the scope of Contractor for Historical Site</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	1	Sec 4A BOQ		GS118(14)	GS118(14) Demolition of Historical Structures and Building	Please clarify GS118(14) 'Demolition of Historical Structures and Building' in BOQ. - Designate the exact Historical Structures and Building which contractor shall demolish.	<i>Please refer to GS 118.9.1 Protection of PNR Stations : The old Historic PNR Buildings,/ Stations and Structures located along the existing SCRIP route are to be retained in place, protected and their condition preserved during construction, carefully dismantled and stored and later rebuilt in new locations given by PNR and agreed by the Cultural Agencies (this may involve partial demolition and rebuilding in the new locations), or demolished. The actions to be taken are given in the Appendix to the Scope of Works for each package. The overall list of Historic Buildings and Structures and their locations are given in Site Data. Additional information will be provided in Addendum 2</i>
S-04	1	Sec 4A BOQ		GS133(1) GS133(2) GS133(3)		Please clarify the Type and Size of trees relevant with BOQ items as following: - 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	<i>Bidder is advised that the Tree Inventory Report will be published through an Addendum 3.</i>
S-04		Site Data		Site Data 10.11 Site Data 10.12 (Omission)		Please provide the omitted Site Data Documents as below; - 10.11 Tree Survey Report - 10.12 Tree Cutting Relocation from PNR Private Land	<i>Tree survey information will be provided in Addendum 3.</i>
S-04		General			(Material used in Water Tank)	Please Confirm the Materials used in Water Tank Pipe Lines	<i>Shall be polypropylene pipe (PPR PN20) or approved equal Please refer to the drawing sheet no. NSRP-DWG-STA-PL-7001 Rev 21</i>
S-04	1	Section 4A BOQ	Bill No.4-2 BOQ - 85page	SANITARY WORKS		Please clarify schedule for the following items: - 75 mm Dia. Stainless Steel (SS) Rain Water Pipe - 150 mm Dia. Stainless Steel (SS) Rain Water Pipe - 100 mm Dia. Stainless Steel (SS) Rain Water Pipe - 250 mm Dia. Stainless Steel (SS) Rain Water Pipe	<i>Shall be heavy-duty stainless steel pipe gauge 24 type 316 or approved equal Please refer to the drawing sheet no. NSRP-DWG-STA-SN-8001 Rev 21</i>
S-05	1	Sec 4A BOQ	161		Clean out all watercourses 50m upstream of site, dispose of rubbish environmentally off site, trim banks of watercourses for lining	This item need related Technical Specification clause. Please, provide the Clause of Technical specification and the Criteria of payment.	<i>Cleaning of watercourses will be added to Provisional Sum Section 4A in addendum 2</i>
S-05	1	Sec 4A BOQ	161		Clean out all watercourses on site, dispose of rubbish environmentally off site, trim banks of watercourses for lining	This item need related Technical Specification clause. Please, provide the Clause of Technical specification and the Criteria of payment.	<i>Cleaning of watercourses will be added to Provisional Sum Section 4A in addendum 2</i>
S-05	1	Sec 4A BOQ	161		Clean out all watercourses 50m downstream of site, dispose of rubbish environmentally off site, trim banks of watercourses for lining	This item need related Technical Specification clause. Please, provide the Clause of Technical specification and the Criteria of payment.	<i>Cleaning of watercourses will be added to Provisional Sum Section 4A in addendum 2</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	1	Sec 4A BOQ	161		Line all watercourses with rip-rap erosion protection	This item need related Technical Specification clause. Please, provide the Clause of Technical specification and the Criteria of payment.	<i>Cleaning of watercourses will be added to Provisional Sum Section 4A in addendum 2</i>
S-05	2	Sec 6 II drawing Structural SS 10-14	8, 21, 28, 35		Drawing No. : NSRP-DWG-SS10-ST-4311 NSRP-DWG-SS12-ST-4311 NSRP-DWG-SS13-ST-4311 NSRP-DWG-SS14-ST-4311	There is Soil Improvement by crushed stone in the drawing. But it can't be found at the BOQ. Please, clarify the Soil Improvement by crushed stone.	<i>The BOQ shall be revised to reflect appropriate Item of works. Updated BOQ shall be issued as Addendum 2.</i>
S-05	2	Sec 6 II drawing Structural SS 10-14	14, 15		Drawing No. : NSRP-DWG-SS11-ST-4306, 4311	There is Soil cement column in the drawing. But it can't be found at the BOQ. Please, clarify the Soil cement column.	<i>It is confirmed that the Item for Soil Cement Column Foundation shall be reflected on the BOQ for Addendum 2.</i>
S-05	2	Sec 6 II drawing CP S-05_VIA05	18 vs 42		At Page 18, - P-818 : L=25.5m, P-819 : L=25.5m At table of Page 42, - P-818 : L=24m, P-819 : L=24m	Each page mentions different value for the bored pile length. Please, clarify it.	<i>Pile Lengths in NSRP-DWG-VIA00-ST-0103 has been modified in Rev 21.2 as P-818: L=25.5m P-819: L=25.5m</i>
S-05	2	Sec 6 II drawing CP S-05_SRO_ST	74 vs 75		At Page 74, - Bottom of Pile Cap EGL = -3000 At Page 75, - Bottom of Footing EL = -3.7m	Each page mentions different value for the bottom level of pile at the structural drawing of STA. Rosa Station. Please, clarify it.	<i>Refer Drawings: NSRP-DWG-SRO-ST-4701 NSRP-DWG-SRO-ST-4711 NSRP-DWG-SRO-ST-4712 NSRP-DWG-SRO-ST-4721 All Rev 21.2</i>
S-05	1	Sec 4A BOQ	27	unit	Sqm' in the BOQ - 104 Subgrade Preparation (Common material)	There is 'Cubic meter' in the TS 100 Annex A of Technical Specification. Please, clarify it.	<i>The correct unit of measurement for Pay item 104 Subgrade Preparation(Common Material) is "Sqm". TS 100 has been corrected. Revised TS to be issued as Addendum 2.</i>
S-05	2	Sec.6-IA Scope of Works		List of Historical Sites - Database		Please clarify the exact work scope of contractor for Historical Site. And please explain the detail works which contractor should do as per following Categories; - RS (Retrieve Structure) : - MBD (May Be Demolition) : - PCL (Protect in Current Location) : - Reloc.(Protect and Relocate Elsewhere) : - Dem.(Already Demolished) :	<i>Please refer to GS 118.9 for the scope of Contractor for Historical Site</i>
S-05	1	Sec 4A BOQ		GS133(1) GS133(2) GS133(3)		Please clarify the Type and Size of trees relevant with BOQ items as following; - 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	<i>Bidder is advised that the Tree Inventory Report will be published through an Addendum 3.</i>
S-05		Site Data		Site Data 10.11 Site Data 10.12 (Omission)		Please provide the omitted Site Data Documents as below; - 10.11 Tree Survey Report - 10.12 Tree Cutting Relocation from PNR Private Land	<i>Bidder is advised that the Tree Inventory Report published through an Addendum 3.</i>
S-05		CP S-05_04_SS_MPFSS_SS_10-14	NSRP-DWG-PSS12-SN-6112	SS12- Sanitary L/O, G.L	(Submersible Sump Pump)	In general there will be monorail Hoist to pull up Submersible Sump Pump for maintenance. However, We can't find it above part of Pump, Please Clarify.	<i>Updated drawings will be issued to bidders in Addendum-2.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	1	Section 4A BOQ	Bill No.4-2 BOQ - 89page	SANITARY WORKS		Please clarify schedule for the following items: - 75 mm Dia. Stainless Steel (SS) Rain Water Pipe - 150 mm Dia. Stainless Steel (SS) Rain Water Pipe - 100 mm Dia. Stainless Steel (SS) Rain Water Pipe - 250 mm Dia. Stainless Steel (SS) Rain Water Pipe	<i>The heavy duty stainless steel pipe guage 24 type 316 or approved equal are reflected on the drawings. Please refer to NSRO-DWG-STA-SN-8001 Rev 21. Also refer to TS 607.1.1 No.4.</i>
S-06	1	Sec 4A BOQ	143		Clean out all watercourses 50m upstream of site, dispose of rubbish environmentally off site, trim banks of watercourses for lining	This item need related Technical Specification clause. Please, provide the Clause of Technical specification and the Criteria of payment.	<i>This item is concerning the watercourses cleaning will be transferred to PS in Bill No.8. Please refer to updated BOQ</i>
S-06	1	Sec 4A BOQ	143		Clean out all watercourses on site, dispose of rubbish environmentally off site, trim banks of watercourses for lining	This item need related Technical Specification clause. Please, provide the Clause of Technical specification and the Criteria of payment.	<i>This item is concerning the watercourses cleaning will be transferred to PS in Bill No.8. Please refer to updated BOQ</i>
S-06	1	Sec 4A BOQ	143		Clean out all watercourses 50m downstream of site, dispose of rubbish environmentally off site, trim banks of watercourses for lining	This item need related Technical Specification clause. Please, provide the Clause of Technical specification and the Criteria of payment.	<i>This item is concerning the watercourses cleaning will be transferred to PS in Bill No.8. Please refer to updated BOQ</i>
S-06	1	Sec 4A BOQ	143		Line all watercourses with rip-rap erosion protection	This item need related Technical Specification clause. Please, provide the Clause of Technical specification and the Criteria of payment.	<i>This items concerning the watercouses with riprap erosion will be transferred to PS in Bill No.8. Please refer to updated BOQ</i>
S-06	1	Sec 4A BOQ	25	unit	Sqm' in the BOQ - 104 Subgrade Preparation (Common material)	There is 'Cubic meter' in the TS 100 Annex A of Technical Specification. Please, clarify it.	<i>The correct unit of measurement for Pay item 104 Subgrade Preparation(Common Material) is "Sqm". TS 100 has been corrected. Revised TS to be issued as Addendum 2.</i>
S-06	1	Sec 4A BOQ / Vol. 2 Sec 6 II drawing CP P S-06 ATG	31 / 6		In the BOQ : Embankment for At-grade Structure(Common Material) In the Drawing : Imported granular fill	For filling material at Embankment for At-grade structure, the expression of material in the BOQ were different with drawing. Please, Clarify which expression is governed?	<i>The correct description is "Embankment for At-Grade Structure (Imported granular fill). The BOQ shall be revised to reflect appropriate Item Description. Updated BOQ shall be issued as Addendum 2.</i>
S-06	2	Sec.6-IA Scope of Works		List of Historical Sites - Database		Please clarify the exact work scope of contractor for Historical Site. And please explain the detail works which contractor should do as per following Categories; - RS (Retrieve Structure) : - MBD (May Be Demolition) : - PCL (Protect in Current Location) : - Reloc.(Protect and Relocate Elsewhere) : - Dem.(Already Demolished) :	<i>Please refer to GS 118.9 for the scope of Contractor for Historical Site</i>
S-06	1	Sec 4A BOQ		GS133(1) GS133(2) GS133(3)		Please clarify the Type and Size of trees relevant with BOQ items as following; - 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	<i>Bidder is advised that the Tree Inventory Report will be published through an Addendum 3.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Site Data		Site Data 10.11 Site Data 10.12 (Omission)		Please provide the omitted Site Data Documents as below; - 10.11 Tree Survey Report - 10.12 Tree Cutting Relocation from PNR Private Land	<i>Bidder is advised that the Tree Inventory Report and will be published through an Addendum 3.</i>
S-06		CP S-06_04_SS_MPFSS_SS_15-18	NSRP-DWG-PSS16-ME-5661	SS-16 Mechanical Equip. Schedule	(ACW-01)	There is discrepancy between BOQ and design drawing. - in BOQ : ACW-02, 8 Sets - in Design drawing : ACW-01, 8 Sets Please clarify above item	<i>Correct tagging number is ACW-02 Equipment Schedule drawing sheet no. NSRP-DWG-PSS16-ME-5661 will be revised and issued to bidders in Addendum-2.</i>
S-06	1	Section 4A BOQ	Bill No.4-2 BOQ - 94page	SANITARY WORKS		Please clarify schedule for the following items: - 150 mm Dia. Stainless Steel (SS) Rain Water Pipe - 100 mm Dia. Stainless Steel (SS) Rain Water Pipe - 250 mm Dia. Stainless Steel (SS) Rain Water Pipe	<i>The heavy duty stainless steel pipe guage 24 type 316 or approved equal are reflected on the drawings. Please refer to NSRO-DWG-STA-SN-8001 Rev 21 Also refer to TS 607.1.1 No.4.a.</i>
S-05	General					We understand that contractor shall be handed over site free of encumbrances on Commencement date. Tree cutting, Shifting, Protection or relocation of overground & underground utilities will be the responsibility of Employer. Only unexpected utilities found during project execution needs to be relocated through the provisional sum provided in the contract. Kindly confirm/clarify.	<i>The bidder's understanding on utility is correct. The identified utilities shall be relocated by the Employer unless noted otherwise. However, responsibility for obtaining all necessary licenses, permits, and for cutting and relocation of trees is the responsibility of the contractor.</i>
S-06	Volume -1 (Part 1) Bidding procedures-	Section 3	EQC-25	2.4.2 - Construction Experience- Construction Experience in Key Activities	For the above or other contracts executed during the period stipulated in 2.4.1 above, a minimum construction experience in the following key activities: 3. Construction of Steel Tied Arch Bridge	Please clarify, experience in construction of through type Bow String Steel Girder tied at Deck level qualifies for this activity.	<i>Please refer to the Drawings, Arch Bridge Construction Sequence which illustrated Engineer's envisaged construction method for the viaduct. Bidder need to demonstrate their experience and capability of constructing the bridge using this type of construction method.</i>
S-06	General					We understand that contractor shall be handed over site free of encumbrances on Commencement date. Tree cutting, Shifting, Protection or relocation of overground & underground utilities will be the responsibility of Employer. Only unexpected utilities found during project execution needs to be relocated through the provisional sum provided in the contract. Kindly confirm/clarify.	<i>The bidder's understanding on utility is correct. The identified utilities shall be relocated by the Employer unless noted otherwise. However, responsibility for obtaining all necessary licenses, permits, and for cutting and relocation of trees is the responsibility of the contractor.</i>
	General					We understand that contractor shall be handed over site free of encumbrances on Commencement date. Tree cutting, Shifting, Protection or relocation of overground & underground utilities will be the responsibility of Employer. Only unexpected utilities found during project execution needs to be relocated through the provisional sum provided in the contract. Kindly confirm/clarify.	<i>The bidder's understanding on utility is correct. The identified utilities shall be relocated by the Employer unless noted otherwise. However, responsibility for obtaining all necessary licenses, permits, and for cutting and relocation of trees is the responsibility of the contractor.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	3	Sections 7 & 8	FIDIC (GCC) 48, PCC 4	14.5 / Plant and Materials intended for the Works	<p>[The General Conditions of Contract (GCC)]</p> <p>If the lists referred to in sub-paragraphs (b)(i) or (c)(i) below are not included in the Schedules this Sub-Clause shall not apply.</p> <p>The Engineer shall determine and certify each addition if the following conditions are satisfied:</p> <p>(a)... and either:</p> <p>(b) the relevant Plant and Materials: (i) are those listed in the Schedules for payment when shipped, (ii)..., (iii)... or</p> <p>(c) the relevant Plant and Materials: (i) are those listed in the Schedules for payment when delivered to the Site, and (ii)...</p> <p>The additional amount to be certified shall be the equivalent of eighty percent (80%) of the Engineer's determination of the cost of the Plant and Materials (including delivery to Site), taking account of the documents mentioned in this Sub-Clause and of the contract value of the Plant and Materials.</p> <p>[The Particular Conditions of Contract (PCC)]</p> <p>14.5(b)(i), 14.5(c)(i) Not applicable.</p>	<p>Please confirm that the remaining conditions of the Clause 14.5 will be in effect, even though excluding (b)(i), (c)(i) in accordance with PCC. Please clarify that the eighty percent (80%) of the cost of the Plant and Materials (including delivery to Site) certified by the Engineer will be paid to the Contractor in this regard.</p>	<p>1. The bidders assumption is correct the remaining conditions of the Clause 14.5 will be in effect.</p> <p>2. The bidder shall also refer to the Technical Specification detailing the Method of Payment in conjunction with Clause 14.5.</p>
S-04	1	Part IA, Section 4	26 of 130	Bill of Quantities, No. 3, Part A	<p>Item 201(2)a of pile cap excavation in dry condition, 201(4)d of backfilling, and 201(5)b of pile cap excavation (in dry conditions) (unsuitable materials)</p>	<p>Please confirm that the volume of excavation and backfilling for all these items are excluding the volume of extra excavation for slope stability.</p>	<p>BOQ includes slope stability quantity by offsetting of 1m bothside from the face of the structure.</p> <p>Method of Measurement in Technical Specification Annex A- TS 202.1.1.1 to be modified and shall be submitted under addendum 2</p>
S-04	1A	Part 1 / Section 4A Bill N.8 Schedule of Provisional Sums	128/130	PS-4	<p>Historical PNR Structure Protection/Relocation/Demolition</p> <p>The Contractor shall be responsible for the protection, relocation or demolition of all PNR old train stations and bridges along the project railway alignment, in accordance with the Philippines law and the governing Environmental Impact Statement (EIS) Report as reference guidelines.</p>	<p>Inline with the understanding of the PS-1 above, the Bidder assumes that the Employer will duly instruct the prescribed work items under the PS-4 pursuant to the Clause 13 of Conditions of Contract prior to the contractor's undertaking of any such work items.</p> <p>However, as an experienced contractor, the Bidder states that the handling of archaeological artifacts bears a very delicate process and very costly; likewise, it often impacts the Time for Completion. The Bidder is of the opinion that the values assigned to PS-4 is regarded low in consideration of the onerous process for the archaeological interests.</p> <p>The Employer is kindly requested to clarify.</p>	<p>Correlation between BOQ and Provision Sums for historic structures is under reassessment and will be advised to bidders in Addendum 3</p>
S-04	1A			PS-4A	Careful removal and relocation of Historic Structures and Buildings and reassembly / rebuilding in specified locations.		Correlation between BOQ and Provision Sums for historic structures is under reassessment and will be advised to bidders in Addendum 3
S-04	1A			PS-4B	Keep Buildings/Structures intact, move to store, relocate on site later.		Correlation between BOQ and Provision Sums for historic structures is under reassessment and will be advised to bidders in Addendum 3
S-04	1A			PS-4C	Keep Buildings/Structures intact, move to store, to be exhibited off site.		Correlation between BOQ and Provision Sums for historic structures is under reassessment and will be advised to bidders in Addendum 3

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	2	2.1 CP S-04 Vol.2 Sec.6-IA Scope of Works	13	2.4.4	<p>The Bidder shall provide with his Bid, full details of the materials proposed for each of the following elements of the Electrical and Mechanical Work:</p> <ul style="list-style-type: none"> a) Fire pump systems control panels; b) Lighting distribution and control panels; c) Essential lighting distribution boards; d) Small power distribution boards; e) Power Distribution Panels; f) Local Electrical Panels; g) Lighting Fixtures; h) Power, signal and control cabling; i) Automatic Fire Alarm and Smoke Control Systems; j) BMS system; k) Elevators; l) Escalators. m) Sewage Treatment Plant n) Septic Tanks <p>For each item, these details should include, but need not be limited to:</p> <ul style="list-style-type: none"> 1) Description 2) Catalogue Reference(s) 3) Brief Specification 4) Manufacturer Name 5) Country of Manufacture 6) The inclusion(s) made within the Price Bid for each of the item(s). 	Please confirm that required details of the materials can be given after award of the project instead of tendering stage.	<i>Bidder is advised that the the required details of materials shall be provided at tender stage as an addendum to its Technical Proposal.</i>
S-06	2	Section 6	-	Appendix 2	SCRCP CP S-06 - List of Historical Sites - Database	Most of the structures and the bridges shown on a list of the Appendix 2 are deemed to be included in the Provisional Sum. Please clarify the structures which are included in the Provisional Sum.	<i>Correlation between BOQ and Provision Sums for historic structures is under reassessment and will be advised to bidders in Addendum 3</i>
S-07	2	Section 6	-	Appendix 2	SCRCP CP S-07 - List of Historical Sites - Database	Most of the structures and the bridges shown on a list of the Appendix 2 are deemed to be included in the Provisional Sum. Please clarify the structures which are included in the Provisional Sum.	<i>Volume 2, Section 6-1, Scope of Works, Appendix 2, stated that "There are no buildings or structures listed fir this area which is currently agricultural land". Therefore the Provisional Sum for the Protection / Relocation / Demolition of Historical PNR Structures is not applicable</i>
S-05	2	01 Specification, 01 GS		GS 131.3 Reference Plans	<p>The Contractor shall request from the PNR plans defining the railway protection and safety zones.</p> <p>The Contractor shall ensure that no works of any kind are carried out within the railway protection and safety zones without prior approval and that all necessary measures are correctly put into place and managed to ensure safe working at all times.</p>	The contractor would like to kindly requesth the PNR plans defining the railway protection and safety zones.	<i>GS 131.3 shall be ammended to "The Contractor shall ensure that no works of any kind are carried out within the railway protection and safety zones, i.e. 6m from the center of PNR track, without prior approval and that all necessary measures are correctly put into place and managed to ensure safe working at all times."</i>
S-06	2	01 Specification, 01 GS		GS 131.3 Reference Plans	<p>The Contractor shall request from the PNR plans defining the railway protection and safety zones.</p> <p>The Contractor shall ensure that no works of any kind are carried out within the railway protection and safety zones without prior approval and that all necessary measures are correctly put into place and managed to ensure safe working at all times.</p>	The contractor would like to kindly requesth the PNR plans defining the railway protection and safety zones.	<i>GS 131.3 shall be ammended to "The Contractor shall ensure that no works of any kind are carried out within the railway protection and safety zones, i.e. 6m from the center of PNR track, without prior approval and that all necessary measures are correctly put into place and managed to ensure safe working at all times."</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-51	204.2.6 Test Piles	Load tests for axial load capacity, shall be carried out after 28 days design strength is achieved.	As per our experience, load tests is able to be carried out to derive strength from end bearing and side friction for the test piles before 28 days design strength is achieved, for example 14 days after concrete pouring. Please clarify whether the Contractor can carry out the load tests for axial load capacity before 28 day concrete curing.	<i>The pile concrete must achieve the characteristic 28-day strength. Due to the high magnitude of load use in the test, we need to ensure failure of the concrete does not occur.</i>
S-04	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-52	204.2.6.1 Initial Load Test	The initial load test shall be cyclic load test for the test piles... Initial load test shall be referred to Static Load Test in Section 204.2.6.2.	According to Clause 204.2.6.1, the initial load test shall be cyclic load test for the test piles but the loading procedure specified in Clause 204.2.6.2 for static load test should follow the Quick Load Test Method in ASTM D1143/D1143M. Please clarify whether the loading procedure for test piles follow cyclic load test or Quick Load Test.	<i>The static load test on the piles shall be "Cyclic" and shall be in accordance with ASTM D1143 and the Drawings. Quick load tests are not allowed.</i>
S-04	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-52	204.2.6.2 Static Load Tests	tension static load test, lateral load test	There is no specified test load for tension load test and lateral load test in TS and Drawings. Please clarify whether tension load test and lateral load test are included in Static Load Tests to Test Piles. If so, please provide detailed test load and loading procedure, etc..	<i>No lateral or Tension load test are expected</i>
S-04	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-53	204.2.7.1 General	the type of field work	"The field work shall consist of excavation, drilling of boreholes..., standard penertrion tests, in-situ vane tests, static and dynamic cone penetration test, other field tests, as specified by the Engineer and preparation of bore logs." However, Clause 204.1.1.2 Geotechnical Investigation Works in TS-200 Annex-A indicate that field work is only boring and standard penetration test(SPTs). Please specify the type and quantities of field works for geotechnical investigation.	<i>Refer to TS0204.2.7.4 Data Required</i>
S-04	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-55	204.2.7.4 Data Required	type and quantities of lab tests	"The data...shall cover the soil classification, paricle size distribution, moisture content, density and void ratio, shear strength, compressibility, permeability where dewatering is expected, chemical analysis of soil and ground water for aggressive elements." As per Clause 204.1.1.2 Geotechnical Investigation Works B. Laboratory Test in TS-200 Annex-A indicate the type and quantities of lab tests to be carried out in each borehole. 1. Please clarify the Contractor shall follow Clause 204.1.1.2 B. Laboratory Test in TS-200 Annex-A for type and quantities of lab tests. 2. It is assumed that the type and quantities of UU, CU, UCS, Consolidation are too much to takes long time for the Contractor to prepare Geotechnical Investigation Report and not all necessary for pile design. Please adjust it for early beginning of pile construction.	<i>Please refer to TS 204 series for the requirement.</i>
S-04	1	Vol.1 Sec.4-A	BILL OF QUANTITIES No. 3	Part B.4	-	Part B.4 of the BOQ, for SUPERSTRUCTURAL WORK (SEGMENTAL BOX GIRDER- PRE-CAST SEGMENT METHOD) doesn't include any quantities for the girders of w=11.5m. However, this section of 11.5m appears in drawings NSRP-DWG-VIA04-ST-0037 and 0038 in the following stretches: 1) Between piers P-606 and P-610 2) Between piers P-613 and P-616 The Company is kindly requested to clarify the aforementioned discrepancy and report their impact on the BOQ, if any.	<i>The BOQ shall be revised to include Item of Work for the 11.5m width Precast Segmental Box Girder. Updated BOQ shall be issued as Addendum 3.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	1	Vol.1 Sec.4	BF43	BIM and CMMS Implementation	-	In accordance with the referred clause, the bidder should propose BIM and CMMS Implementation plan. However, in according to General Specification, related information is only about PMIS in Appendix 9 of GS100. Kindly provide the required specification about BIM and CMMS implementation.	<i>Bidder refers to BF 43 while the applicable Section is BF 45. Bidder is advised that the information can be found in the following documents: 1. Appendix 9 issued in Addendum 2 2. BIM Information Management Flow to be issued in Addendum 2. 3. Section 3 - Page EQC 13 - Item 4.5 BIM and CMMS Implementation. 4. Section 4 - Page 45 - BIM and CMMS Implementation</i>
S-04	1A	Vol.1A Sec.4A Bill of Quantities No.1 General Requirements	GS118 (14)	Demolition of Historical Structures and Building	-	According to the BOQ item GS118(14), It is required to filled with cost for "Demolition of Historical Structures and Building". However, it is hard to find the works matched with this work in the Appendix 2 to section 6 IA Scope of Works (SOW). In this regard, kindly clarify work information required to be included in GS118 (14). * Remark BOQ items GS118(7) ~ GS118(13) about the treatment for the existing Historical Structures and Building are matched with items in the Appendix 2 to section 6 IA Scope of Works (SOW) one by one except GS118(14) as mentioned above.	<i>Correlation between BOQ and Provision Sums for historic structures is under reassessment and will be advised to bidders in Addendum 3</i>
S-04	2	Vol.2 Sec.6 IA Scope of Works Appendix 4	SOW-21	RAP Survey	-	In the referred section, detail of Demolitions to be provided in an Addendum when the result of the RAP Survey are known. In this regard, please provide us the addendum.	<i>The demolitions arising from RAP are still to be quantified. Hence a provisional sum is included for this work.</i>
S-04	2	Vol.2 Sec.2	Drawing NSRP-DWG-VIA04-ST-0103	Pier P-610	-	In the referred drawing P-610 is solved with pier Type P8, which pier head is designed to support spans with same thickness. On the contrary, the two adjacent spans are of 2400mm (north) and 3400mm (south, CIS90-1 bridge). The Company is kindly requested to clarify this matter.	<i>Pier Type P8 concrete detail for pier P-610 shown in NSRP-DWG-VIA00-ST-0511 shall be updated to show a step detail for the transition from 2.4m to 3.0m superstructure depth. NSRP-DWG-VIA00-ST-0511 shall be revised as Rev 21.2 I.</i>
S-04	2	Vol.2 Sec.2	Drawing NSRP-DWG-VIA04-ST-0041	Plan view, between piers P-642 and P-643	-	A railway bridge is shown in the referred location, marked as "to be demolished (by others)". Nevertheless, this structure is not listed in Appendix 2 Historic Buildings and Structures, in Vol.2 Sec.6-IA Scope of Works (page SOW-17). Company is kindly requested to clarify the works that would need to be performed, if any.	<i>In the Old PNR Structures Matrix_PNR_180621_v01-07, the Railway Bridge in St. Andrew's St and the Railway Bridge in Waling Waling St shall be demolished.</i>
S-04	2	Vol.2 Sec.2	NSRP-DWG-VIA04-ST-0035	Plan and elevation views	-	Company is requested to provide details of Maintenance Track.	<i>Details of Maintenance Track and Approach Ramps are shown in CIS70 drawing set.</i>
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S-04_04_ALA_ME_PL_SN_FS	Drawing NSRP-DWG-ALA-ME-5661 NSRP-DWG-ALA-ME-5662	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 4-1 ALABANG STATION"	As indicated in referenced drawing, the following equipments are not listed on "BILL OF QUANTITIES No. 4-1" while the equipment list on drawing has. Please clarify which is correct. [FAN] SF-01, SF-02 [SMOKE EXHAUST FAN] SEF-01,02,03 [PRESSURIZATION FAN] PF-01	<i>SF-01 & SF-01 (as indicated in NSRP-DWG-ALA-ME-5662) are "By Others" and are excluded in the scope of work. For SEF-01,02,03 & PF-01, Please refer to the Updated BOQ Addendum 1, Bill 4-1, Mechanical Works, Fans - which is reflective of the item of works for Smoke Exhaust Fan & Pressurization Fan.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S-04_04_ALA_ME_PL_SN_FS	Drawing NSRP-DWG-ALA-PL-5828	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 4-1 ALABANG STATION"	As indicated in referenced drawing, the Q'ty for ELECTRIC WATE HEATER is indicated as 12-UNIT while "BILL OF QUANTITIES No. 4-1" has 6-UNIT. Please clarify this.	Correct Quantity = 12 ea. Please refer to the Updated BOQ Addendum 1, Bill 4-1, Plumbing Fixtures, Item 607(14).
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S-04_04_ALA_ME_PL_SN_FS	Drawing NSRP-DWG-ALA-SN-6021	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 4-1 ALABANG STATION"	As indicated in referenced drawing, the capacity for Waste Water Plant is 55cum/day but it is indicated 25cum/day on "BILL OF QUANTITIES No. 4-1". Please clarify this.	Correct Capacity = 55cum/day. Please refer to the Updated BOQ Addendum 1, Bill 4-1, Sanitary Works, Item 618(9).
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S-04_04_ALA_ME_PL_SN_FS	Drawing NSRP-DWG-ALA-FS-6631	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 4-1 ALABANG STATION"	As indicated in referenced drawing, the capacity for Fire Water Tank is 120cum but it is indicated 110cum on "BILL OF QUANTITIES No. 4-1". Please clarify this.	Correct Capacity = 120cum. Please refer to the Updated BOQ Addendum 1, Bill 4-1, Firefighting System Works, Item 630(1).
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S-04_04_ALA_ME_PL_SN_FS	Drawing NSRP-DWG-ALA-FS-6631	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 4-1 ALABANG STATION"	As indicated in referenced drawing, the Q'ty for Fire Extinguisher Clean Agent Type is indicated as 14ea while "BILL OF QUANTITIES No. 4-1" has 13ea. Please clarify this.	Correct Quantity = 15 ea. Please refer to the revised Drawing No. NSRP-DWG-ALA-FS-6631 [21.1] Addendum 1. Please also refer to updated BOQ Addendum 1, Bill 4-1, Firefighting System Works, Item 630(5)b.
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S-04_04_ALA_ME_PL_SN_FS	Drawing NSRP-DWG-ALA-FS-6608	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 4-1 ALABANG STATION"	As indicated in referenced drawing, it have the floor control valve assembly(Gate V/V, Check V/V, etc) but not include on "BILL OF QUANTITIES No. 4-1". Please clarify this.	Please refer to the updated BOQ Addendum 1, Bill 4-1, Firefighting System Works, Item 630(14) - Fire Control Valve Assembly.
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S-04_04_MUN_ME_PL_SN_FS	Drawing NSRP-DWG-MUN-ME-5616,5621,5631,5632	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 4-2 MUNTINLUPA STATION"	As indicated in referenced drawing, the following items for AIR DUCT are not listed on "BILL OF QUANTITIES No. 4-2" while the equipment list on drawing has. Please clarify this. W=1350mm, H=450mm Exhaust Air Duct W=1150mm, H=500mm Exhaust Air Duct W=950mm, H=400mm Exhaust Air Duct W=700mm, H=350mm Exhaust Air Duct W=600mm, H=350mm Exhaust Air Duct W=600mm, H=2500mm Exhaust Air Duct	The ducts referred to by the Bidder are "Smoke Exhaust Duct" (SED) and not Exhaust Air Duct. Please refer to the drawing Nos. NSRP-DWG-MUN-ME-5621, 5631 & 5632. Also refer to Addendum 1 drawing No. NSRP-DWG-MUN-ME-5616 [21.1]. For the ducting items, Please refer to the Updated BOQ Addendum 1, Bill 4-2, Mechanical Works, Air Duct.
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S-04_04_MUN_ME_PL_SN_FS	Drawing NSRP-DWG-MUN-ME-5616,5621,5631,5632	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 4-2 MUNTINLUPA STATION"	As indicated in referenced drawing, the Q'ty for Exhaust Air Grille (600x500) is not listed on "BILL OF QUANTITIES No. 4-2" while the equipment list on drawing has. Please clarify this.	The Bidder is advised to identify in particular the Drawing No. he is referring to. (No Exhaust Air Grille (600x500) is reflected on the Bidder's indicated Drawings)
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S-04_04_MUN_ME_PL_SN_FS	Drawing NSRP-DWG-MUN-ME-5616,5621,5631,5632	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 4-2 MUNTINLUPA STATION"	As indicated in referenced drawing, the Q'ty for Air Register (1800x600) is not listed on "BILL OF QUANTITIES No. 4-2" while the equipment list on drawing has. Please clarify this.	Size for Air Register at Station Electrical Room shall be 1650x550. Please refer to NSRP-DWG-MUN-ME-5606 [21.1] Addendum 1. Please also refer to the Updated BOQ Addendum 1. Design Team to update NSRP-DWG-MUN-ME-5631 to be issued as Addendum 2.
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S-04_04_MUN_ME_PL_SN_FS	Drawing NSRP-DWG-MUN-ME-5662	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 4-2 MUNTINLUPA STATION"	As indicated in referenced drawing, the total required airflow for EF-12 is 830L/S with 4ea. Since total airflow used to be divided its Q'ty, airflow for each fan shall be 830L/S / 4ea = 207.5L/S. In this regards, the airflow on "BILL OF QUANTITIES No. 4-2 MUNTINLUPA STATION" shall be from 830L/S to 207.5L/S accordingly.	Total Required Airflow is 3320 L/s. Design Team to update drawing NSRP-DWG-MUN-ME-5662 and shall be issued as Addendum 2,

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S- 04_04_MUN_ME _PL_SN_FS	Drawing NSRP-DWG- MUN-ME-5662	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 4-2 MUNTINLUPA STATION"	As indicated in referenced drawing, the following equipments are not listed on "BILL OF QUANTITIES No. 4-2" while the equipment list on drawing has. Please clarify which is correct. [FAN] SF-01, SF-02 [SMOKE EXHAUST FAN] SEF-01,02.,03 [PRESSURIZATION FAN] PF-01	<i>SF-01 & SF-01 (as indicated in NSRP-DWG-MUN-ME-5662) are "By Others" and are excluded in the scope of work. For SEF-01,02,03 & PF-01, Please refer to the Updated BOQ Addendum 1, Bill 4-2, Mechanical Works, Fans - which is reflective of the item of works for Smoke Exhaust Fan & Pressurization Fan.</i>
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S- 04_04_MUN_ME _PL_SN_FS	Drawing NSRP-DWG- MUN-PL-5828	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 4-2 MUNTINLUPA STATION"	As indicated in referenced drawing, the capacity for Hydropneumatic Pressure Tank is 20 liter but it is indicated 25 liter on "BILL OF QUANTITIES No. 4-2". Please clarify this.	<i>Correct Capacity = 20 liters. Please refer to the Updated BOQ Addendum 1, Bill 4-2, Plumbing Works, Water Tank, Item 617(3)d.</i>
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S- 04_04_MUN_ME _PL_SN_FS	Drawing NSRP-DWG- MUN-PL-5828	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 4-2 MUNTINLUPA STATION"	As indicated in referenced drawing, it have the Electric water instantaneous water heater but not include on "BILL OF QUANTITIES No. 4-2". Please clarify this.	<i>Please refer to the Updated BOQ Addendum 1, Bill 4-2, Plumbing Works, Instantaneous Single Point Water Heater.</i>
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S- 04_04_MUN_ME _PL_SN_FS	Drawing NSRP-DWG- MUN-FS-6631	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 4-2 MUNTINLUPA STATION"	As indicated in referenced drawing, the capacity for Fire Water Tank is 120cum but it is indicated 110cum on "BILL OF QUANTITIES No. 4-2". Please clarify this.	<i>Correct Capacity = 120cum. Please refer to the Updated BOQ Addendum 1, Bill 4-2, Firefighting System Works, Item 630(1).</i>
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S- 04_04_MUN_ME _PL_SN_FS	Drawing NSRP-DWG- MUN-FS-6631	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 4-2 MUNTINLUPA STATION"	As indicated in referenced drawing, the Q'ty for Fire Extinguisher ABC Dry Chemical Type is indicated as 11ea while "BILL OF QUANTITIES No. 4-2" has 9ea. Please clarify this.	<i>Correct Quantity = 11 ea. Please refer to the Updated BOQ Addendum 1, Bill 4-2, Firefighting System Works, Item 630(5)a.</i>
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S- 04_04_SS_MPFS SS_07-09	Drawing NSRP-DWG-PSS7/8/9- ME-5608	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 6-1/2/3 SUBSTATION 7/8/9"	As indicated in referenced drawing, it have the 150mm Dia. Outside Air Intake / Exhaust Duct but not include on "BILL OF QUANTITIES No. 6-1/2/3 SUBSTATION 7/8/9". Please clarify this.	<i>Please refer to the Updated BOQ Addendum 1, Bill Nos. 6-1; 6-2; & 6-3; Mechanical Works, Air Ducts, Item 605(1)e.</i>
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S- 04_04_SS_MPFS SS_07-09	Drawing NSRP-DWG-PSS7/8/9- ME-5661	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 6-1/2/3 SUBSTATION 7/8/9"	As indicated in referenced drawing, it have EF-02 on equipment schedule but not include on "BILL OF QUANTITIES No. 6-1/2/3 SUBSTATION 7/8/9". Please clarify this.	<i>Please refer to the Updated BOQ Addendum 1, Bill Nos. 6-1; 6-2; & 6-3; Mechanical Works, Fans, Item 612(18)a1.</i>
S-04	2	Vol.2 Book-2 4-6 MPFS Drawings	CP S- 04_04_SS_MPFS SS_07-09	Drawing NSRP-DWG-PSS7/8/9- PL-6611	1.3 CP S-04 Vol.1A Sec.4A "BILL OF QUANTITIES No. 6-1/2/3 SUBSTATION 7/8/9"	As indicated in referenced drawing, it have 40/32mm Dia. Pipe for Domestic Water Supply pipe but not include on "BILL OF QUANTITIES No. 6-1/2/3 SUBSTATION 7/8/9". Please clarify this.	<i>Please refer to the Updated BOQ Addendum 1, Bill Nos. 6-1; 6-2; & 6-3; Plumbing Works, Pipes and Pipe Accessories, Item 607(1)d & Item 607(1)e.</i>
S-04	1	Vol.1 1.3 CP S-04 Vol.1A Sec.4A BOQ	57	Plumbing Fixture	-	As indicated in referenced BOQ. Please advise us any preferred brand of Plumbing fixture.	<i>No preferred brand of Plumbing Fixtures as long as it is within the Technical Specification for fixtures.</i>
S-04	1	Vol.1 1.3 CP S-04 Vol.1A Sec.4A BOQ	57	WWTP	-	As indicated in referenced BOQ and drawing(NSRP-DWG-ALA-SN-6021 Alabang station waste water treatment plan & section) Please advise us WWTP provider and contact point	<i>Bidders to outsource supplier.</i>
S-04	1	Vol.1 1.3 CP S-04 Vol.1A Sec.4A BOQ	103	Portable Toilet	-	As indicated in reference BOQ, This 'Portable toilet seems like permanent purpose toilet. However, there is no specific requirement. Please advise us more detail information.	<i>Portable Toilets for Substations are already deleted and revised to Permanent Toilet.</i>
S-04	2	Vol.2 Specification SCRIP_TS 600	211	637 Automatic irrigation system	-	As indicated in reference specification, The clause mentioned 'Automatic irrigation system'. However, in the drawing and BOQ we could not find relevant items. Please clarify whether mentioned system is under contractor scope or not. If yes, Please advise us coverage of system and more detail information.	<i>Automatic Irrigation is not part of scope.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	2	Vol.2 Sec.6 IC. TS 200	Page.83	206.4 Classes of Concrete	-	The compressive strength of structural concrete for retaining wall and drainage required by specification is different from drawings(E.g NSRP-DWG-VIA05-DR-1302 Note.4) and BOQ descriptions(Bill No.3 Item No.206(9)d, Bill No.5 Item No.206(8)d). Please clarify which one is correct.	<i>Pay item 206(9)d is not applicable in CP S-05 bill no. 3.</i> <i>In BOQ, compressive strength of structural concrete for drainage is 28MPa as described in Pay item no. 206(8)d-- Structural Concrete, 28 MPa for (Main and Transverse) Drainage, matched with drawing no. NSRP-DWG-VIA00-DR-1302 Note 4 Rev 21</i> <i>For retaining wall design compressive strength, Refer to Table 1:Material Specification drawing NSRP-DWG-VIA05-RD-2015 Rev 21 under concrete environment.</i>
S-05	2	Vol.2 Sec.6 IC. TS 100	Page.42	108.2 Material Requirements	-	Any bidding document including clause 108.2 does not clearly mention the compressive strength of concrete for PCCP. Please confirm it.	<i>Refer TS108.2.12 for minimum compressive strength requirements</i>
S-05	2	Vol.2 Sec.5 II. Drawings	NSRP-DWG-SRO-AR-3021 Rev.21 & NSRP-DWG-VIA05-ST-0035 Rev.21	SANTA ROSA STATION ACCESS MAP & GENERAL ARRANGEMENT	Difference of R.O.W and Temporary PNR Track Line	1. Outline of R.O.W is different from each drawing. We can find new R.O.W which is highlighted in red in the drawing ref. AR-3021, but it is not the same in ST-0035. Please clarify which one is correct. 2. Outline of Temporary PNR Track is different in two drawings. In Particular, we can find curved Temporary PNR Track Line near Pier No 880 and 881 in the drawing ref. ST-0035, but there is a straight line in the drawing ref AR-3021. Please clarify which one is correct.	<i>The outline of Temporary PNR Track on drawing NSRP-DWG-SRO-AR-3021 will be corrected to match with NSRP-DWG-VIA05-ST-0035. This will be submitted as part of Addendum 3 with revision number 21.2</i>
S-05	2	Vol 2 General Specification	GS 97	GS 131 WORKS IN THE VICINITY OF EXISTING OPERATION PHILIPPINE NATIONAL RAILWAY 131.1 GENERAL	For Specific PNR conditions refer to Appendix 6 - Works in the vicinity of the Philippines National Railway.	Please provide appropriate appendix for 'Works in the vicinity of the Philippines National Railway'. Appendix 6 provided is for the environmental contents.	<i>Bidder is advised that the correct reference is Appendix 7. The change will be made in Addendum 3.</i>
S-05	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-51	204.2.6 Test Piles	Load tests for axial load capacity, shall be carried out after 28 days design strength is achieved.	As per our experience, load tests is able to be carried out to derive strength from end bearing and side friction for the test piles before 28 days design strength is achieved, for example 14 days after concrete pouring. Please clarify whether the Contractor can carry out the load tests for axial load capacity before 28 day concrete curing.	<i>The pile concrete must achieve the characteristic 28-day strength. Due to the high magnitude of load use in the test, we need to ensure failure of the concrete does not occur.</i>
S-05	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-52	204.2.6.1 Initial Load Test	The initial load test shall be cyclic load test for the test piles... Initial load test shall be referred to Static Load Test in Section 204.2.6.2.	According to Clause 204.2.6.1, the initial load test shall be cyclic load test for the test piles but the loading procedure specified in Clause 204.2.6.2 for static load test should follow the Quick Load Test Method in ASTM D1143/D1143M. Please clarify whether the loading procedure for test piles follow cyclic load test or Quick Load Test.	<i>The static load test on the piles shall be "Cyclic" and shall be in accordance with ASTM D1143 and the Drawings. Quick load tests are not allowed.</i>
S-05	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-52	204.2.6.2 Static Load Tests	tension static load test, lateral load test	There is no specified test load for tension load test and lateral load test in TS and Drawings. Please clarify whether tension load test and lateral load test are included in Static Load Tests to Test Piles. If so, please provide detailed test load and loading procedure, etc..	<i>No lateral or Tension load test are expected</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-53	204.2.7.1 General	the type of field work	<p>"The field work shall consist of excavation, drilling of boreholes..., standard penertrion tests, in-situ vane tests, static and dynamic cone penetration test, other field tests, as specified by the Engineer and preparation of bore logs." However, Clause 204.1.1.2 Geotechnical Investigation Works in TS-200 Annex-A indicate that field work is only boring and standard penetration test(SPTs).</p> <p>Please specify the type and quantities of field works for geotechnical investigation.</p>	<i>Refer to TS0204.2.7.4 Data Required</i>
S-05	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-55	204.2.7.4 Data Required	type and quantities of lab tests	<p>"The data...shall cover the soil classification, paricle size distribution, moisture content, density and void ratio, shear strength, compressibility, permeability where dewatering is expected, chemical analysis of soil and ground water for aggressive elements." As per Clause 204.1.1.2 Geotechnical Investigation Works B. Laboratory Test in TS-200 Annex-A indicate the type and quantities of lab tests to be carried out in each borehole.</p> <p>1. Please clarify the Contractor shall follow Clause 204.1.1.2 B. Laboratory Test in TS-200 Annex-A for type and quantities of lab tests. 2. It is assumed that the type and quantities of UU, CU, UCS, Consolidation are too much to takes long time for the Contractor to prepare Geotechnical Investigation Report and not all necessary for pile design. Please adjust it for early beginning of pile construction.</p>	<i>Refer to TS 204 series</i>
S-05	1	Vol.1 Sec.4	BF43	BIM and CMMS Implementation	-	<p>In accordance with the referred clause, the bidder should propose BIM and CMMS Implementation plan. However, in according to General Specification, related information is only about PMIS in Appendix 9 of GS100. Kindly provide the required specification about BIM and CMMS implementation.</p>	<p><i>Bidder refers to BF 43 while the applicable Section is BF 45.</i></p> <p><i>Bidder is advised that the information can be found in the following documents:</i></p> <ol style="list-style-type: none"> <i>1. Appendix 9 to be issued in Addendum 2</i> <i>2. BIM Information Management Flow to be issued in Addendum 2.</i> <i>3. Section 3 - Page EQC 13 - Item 4.5 BIM and CMMS Implementation.</i> <i>4. Section 4 - Page 45 - BIM and CMMS Implementation</i>
S-05	1A	Vol.1A Sec.4A Bill of Quantities No.1 General Requirements	GS118 (14)	Demolition of Historical Structures and Building	-	<p>According to the BOQ item GS118(14), It is required to filled with cost for "Demolition of Historical Structures and Building". However, it is hard to find the works matched with this work in the Appendix 2 to sectyion 6 IA Scope of Works (SOW). In this regard, kindly clarify work information required to be included in GS118 (14).</p> <p>* Remark BOQ items GS118(7) ~ GS118(13) about the treatment for the existing Historical Structures and Building are matched with items in the Appendix 2 to section 6 IA Scope of Works (SOW) one by one except GS118(14) as mentioned above.</p>	<i>Bidder is advised that Appendix 3 to 7 will be removed from Vol. 2 Sec IA, Scope of Works in tender Addendum 3.</i>
S-05	2	Vol.2 Sec.6 IA Scope of Works Appendix 4	SOW-23	RAP Survey	-	<p>In the referred section, detail of Demolitions to be provided in an Addendum when the result of the RAP Suvvey are known. In this regard, please provide us the addendum.</p>	<i>Bidder is advised that Appendix 3 to 7 will be removed from Vol. 2 Sec IA, Scope of Works in tender Addendum 3.</i>
S-05	1A	Vol.1A Sec.4A	BILL OF QUANTITIES No. 3	Part B.3	-	<p>Company is kindly requested to confirm if anti-graffiti coating to piers is required in sub-structural work (pier work) and, if so, if it should be included as an additional lump sum item in Part B.3.</p>	<i>It is confirmed that the anti-graffiti coating to piers is required. Please refer to the Updated BOQ Addendum 1, Bill No. 3, Part B.3, Item 211.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	1A	Vol.1A Sec.4A BOQ	Bill no.4-1 Bill no.4-2 Bill no.4-3	-	Generator, DB-GEN	According to DWG. NSRP-DWG-BIN-EL-5011, NSRP-PTA-EL-5011 and NSRP-SPO-EL-5011 Genset is included in the Scope of Work. However It is not showing on the BOQ. Please clarify whether Genset is tenderer's scope of work or not. The captioned drawing shows DB-GEN panel, however BOQ doesn't show the same. Please clarify.	<i>The Generator Set is covered by the scope of work. Please refer to the Updated BOQ, Addendum 1, Electrical Works, Generator Set of the respective Bill Nos. 4-1, 4-2 and 4-3.</i>
S-05	2	Vol.2. 04_S05. Elec	BIN-EL-5011, PTA-EL-5011, SPO-EL-5011, SRO-EL-5011	-	Capacitor Bank (APFC)	Refer to above captioned drawing, it seems that APFC is tenderer's scope of work. However it is not showing on the BOQ. Please clarify.	<i>The APFC is not covered in the scope of Work. Drawing shall be modified by Design Team to designate APFC as "By Others". Revised drawing to be issued as Addendum 2.</i>
S-05	2	Vol.2. 04_S05. Elec	BIN-EL-5011, PTA-EL-5011, SPO-EL-5011	-	ATS	Refer to the above captioned drawing, the capacity of ATS is 800AF/AT. However the capacity of the same on the BOQ is 1,200A. Please clarify which one is correct.	<i>The correct ATS capacity is 800AF/AT. Please refer to the Updated BOQ Addendum 1.</i>
S-05	2	Vol.2. 04_S05. Elec	BIN-EL-5011, PTA-EL-5011, SPO-EL-5011	-	FP-CP	There are 2 nos. of FP-CP panel on the drawing, however it is 1 no. FP-CP panel on the BOQ. Please clarify.	<i>The FP-CP is a subsidiary item to Fire Pumps (Ref. TS 600, Section 630-Fire Fighting System, Clause 630.1.1, Under Rate of Pay Items, Item (2)Pumps; Sub-Item 2(e)). FP-CP shall be deleted from the BOQ. Updated BOQ shall be issued as Addendum 2.</i>
S-05	1A	Vol.1A Sec.4A BOQ	Bill no.4-3	Part D	Elevator	Bill no.4-1 : The DESCRIPTION of Item no 557(13)b is shows 2 nos of Elevator(3&4), however the Quantity of the same shows 4 sets. Please clarify.	<i>Item 557(13)b under Bill 4-1 covers Elevator 3,4,5 & 6. Total Quantity = 4 set. Please refer to the Updated BOQ Addendum 1.</i>
S-05	1A	S-05 Vol.1A Sec.4A	All stations BOQ	-	Other finishing works	Please confirm how many hours of fire resistance are required for station roof frame steel structure in accordance with local regulation. (1hour? Or 2 hours fire resistance?)	<i>For fire rating resistance please refer to fire compartmentation and fire escape plan Dwg nos. NSRP-DWG-SPO-AR-3901,NSRP-DWG-SPO-AR-3902 and NSRP-DWG-SPO-AR-3903, NSRP-DWG-BIN-AR-3901,NSRP-DWG-BIN-AR-3902 and NSRP-DWG-BIN-AR-3903, NSRP-DWG-PTA-AR-3901,NSRP-DWG-PTA-AR-3902 and NSRP-DWG-PTA-AR-3903 rev 21.2 submitted as part of Addendum 2.</i>
S-05	1A	S-05 Vol.1A Sec.4A	Substation 11 BOQ	-	Earth works	According to dwg(NSRP-DWG-SS11-ST-SS11-4306), SS11 area require Φ600 soil cement piles(appx. 2,000 nos x 9m) under foundations but this item is not shown in BOQ. Can we include it in excavation item?	<i>Please refer to the Updated BOQ Addendum 1, Bill No. 6-2 - Substation No. 11, Part D.1, Item 405(18).</i>
S-05	1A	S-05 Vol.1A Sec.4A	All substations BOQ	-	Doors and windows	In BOQ of all substations, all window items are missing. Please confirm that tender shall just follow BOQ first and later it can be settled by final remeasurement.	<i>Please refer to the Updated BOQ Addendum 1, Bill Nos. 6-1 through 6-5, Architectural Works, Doors and Windows.</i>
S-05	1A	S-05 Vol.1A Sec.4A	Binan station BOQ No. 4-3	-	Structure works	For Binan station, bored pile Φ800, Φ1000 is not shown in structure dwg (NSRP-DWG-ST-4101) but this items are included in BOQ. Do we need to price it, changing Φ800 to Φ1200, Φ1000 to Φ1500?	<i>The 800mm and 1000mm Bored Piles are for the Elevated Pedestrian Walkway. Please refer to the drawing Nos. NSRP-DWG-BIN-ST-4601_21]; NSRP-DWG-BIN-ST-4621; NSRP-DWG-BIN-ST-4701; and also to NSRP-DWG-BIN-ST-4721_21.1] Addendum 1.</i>
S-05	1A	S-05 Vol.1A Sec.4A	All stations BOQ	-	Doors and windows	There are quite many discrepancies of size and quantities between BOQ and DWG for doors and windows. Please confirm that tender shall just follow BOQ first and later this discrepancies can be settled by final remeasurement based on as-built dwg.	<i>Please refer to the Updated BOQ Addendum 1, Bill Nos. 4-1 through 4-4, Part C.2-Architectural Works, Doors and Windows.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	1A	S-05 Vol.1A Sec.4A	All stations BOQ	-	Doors and windows	Please confirm glass specification and thickness for "Fixed glass louver" "Sliding glass window", which is not mentioned clearly in DWG and Specification(TS 500).	<i>For fixed glass louver and sliding window the material finishing and glazing will be (12mm THK Low-E laminated glass with aluminum framing) .Affected drawings (NSRP-DWG-SPO-AR-3563,NSRP-DWG-BIN-AR-3563, NSRP-DWG-PTA-AR-3563) will be corrected and submitted as part of Addendum 3 in response to bidder's query, with revision number 21.2</i>
S-06	2	Vol.2 Sec.6-II	04_CP S-06_BR215	Drawing NSRP-DWG-BR215-ST-0153	-	The paint system defined in note 10 includes a definition of layers which accumulated minimum dry fill thickness (MDFT) doesn't match the total MDFT of the system: - Total MDFT = 225 microns - Accumulated MDFT = 250 microns (1st layer 75 microns, 2nd layer 125 microns, top coat 50 microns) Please clarify the values of the proposed paint system.	<i>The first layer is 75 micros, the second layer is 125 micro. (The second layer is striped on 75 micro brushes) However, the total of the first and second layers is at least 225 micros. Topcoat is 50 micros.</i>
S-06	2	Vol.2 Sec.6 IC. TS 200 Annex A	Page.42	220.1.1.3 Method of Measurement	-	Wire-enclosed riprap(gabions) is measured as the number in "square meters" of surface area in the clause 220.1.1.3. However, the unit of this item is "cubic meter" at the Bill of Quantities No.4 Item No.220(3)c. Please clarify.	<i>The correct unit of measurement for Item 220(3)c Wire-enclosed riprap(gabions) is "cubic meter". TS Clause 220.1.1.3 shall be revised and to be issued as Addendum 2.</i>
S-06	1A	Vol.1A Sec.4A BOQ	No.3	Item No.209(17)	-	In order to produce an accurate estimate, BM(Bill of material) for Steel Tied Arch Bridge(San Cristobal River Crossing) is required. Please provide us.	<i>Please refer to the Technical Specifications, TS 200, Section 209-Steel Structures, Clause 209.1-The Work - which states that "work shall consist of furnishing, fabricating, and erecting steel structures and structural steel portions of other structures in accordance with these Specifications, and the contract documents."</i>
S-06	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-52	204.2.6.1 Initial Load Test	The initial load test shall be cyclic load test for the test piles... Initial load test shall be referred to Static Load Test in Section 204.2.6.2.	According to Clause 204.2.6.1, the initial load test shall be cyclic load test for the test piles but the loading procedure specified in Clause 204.2.6.2 for static load test should follow the Quick Load Test Method in ASTM D1143/D1143M. Please clarify whether the loading procedure for test piles follow cyclic load test or Quick Load Test.	<i>The static load test on the piles shall be "Cyclic" and shall be in accordance with ASTM D1143 and the Drawings. Quick load tests are not allowed.</i>
S-06	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-52	204.2.6.2 Static Load Tests	tension static load test, lateral load test	There is no specified test load for tension load test and lateral load test in TS and Drawings. Please clarify whether tension load test and lateral load test are included in Static Load Tests to Test Piles. If so, please provide detailed test load and loading procedure, etc..	<i>No lateral or Tension load test are expected</i>
S-06	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-53	204.2.7.1 General	the type of field work	"The field work shall consist of excavation, drilling of boreholes..., standard penetration tests, in-situ vane tests, static and dynamic cone penetration test, other field tests, as specified by the Engineer and preparation of bore logs." However, Clause 204.1.1.2 Geotechnical Investigation Works in TS-200 Annex-A indicate that field work is only boring and standard penetration test(SPTs). Please specify the type and quantities of field works for geotechnical investigation.	<i>Refer to TS0204.2.7.4 Data Required</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-55	204.2.7.4 Data Required	type and quantities of lab tests	<p>"The data...shall cover the soil classification, particle size distribution, moisture content, density and void ratio, shear strength, compressibility, permeability where dewatering is expected, chemical analysis of soil and ground water for aggressive elements."</p> <p>As per Clause 204.1.1.2 Geotechnical Investigation Works B. Laboratory Test in TS-200 Annex-A indicate the type and quantities of lab tests to be carried out in each borehole.</p> <p>1. Please clarify the Contractor shall follow Clause 204.1.1.2 B. Laboratory Test in TS-200 Annex-A for type and quantities of lab tests. 2. It is assumed that the type and quantities of UU, CU, UCS, Consolidation are too much to takes long time for the Contractor to prepare Geotechnical Investigation Report and not all necessary for pile design. Please adjust it for early beginning of pile construction.</p>	<i>Refer to TS 204 series</i>
S-06	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-59	204.3.8 Access Tubes for Cross-Hole Sonic Log Testing	access tube inside diameter	<p>"Access tubes for cross-hole sonic log testing shall be steel pipe of 3.6mm minimum wall thickness and at least 38.1mm inside diameter." However, Clause 401.3.7 in TS 400 indicate inside diameter is at least 138.1mm.</p> <p>Please clarify which one is correct between TS 200 and TS 400 for inside diameter for access tubes for cross-hole sonic log testing.</p>	<i>Correct access tube inside diameter for cross hole sonic log testing is 38.1mm. TS200 is correct. Clause 401.3.7 in TS400 shall be revised.</i>
S-06	1	Vol.1 Sec.4	BF44	BIM and CMMS Implementation	-	<p>In accordance with the referred clause, the bidder should propose BIM and CMMS Implementation plan. However, in according to General Specification, related information is only about PMIS in Appendix 9 of GS100. Kindly provide the required specification about BIM and CMMS implementation.</p>	<p><i>Bidder refers to BF 43 while the applicable Section is BF 45.</i></p> <p><i>Bidder is advised that the information can be found in the following documents:</i></p> <ol style="list-style-type: none"> <i>1. Appendix 9 to be issued in Addendum 2</i> <i>2. BIM Information Management Flow to be issued in Addendum 2.</i> <i>3. Section 3 - Page EQC 13 - Item 4.5 BIM and CMMS Implementation.</i> <i>4. Section 4 - Page 45 - BIM and CMMS Implementation</i>
S-06	1A	Vol.1A Sec.4A Bill of Quantities No.1 General Requirements	GS118 (14)	Demolition of Historical Structures and Building	-	<p>According to the BOQ item GS118(14), It is required to filled with cost for "Demolition of Historical Structures and Building". However, it is hard to find the works matched with this work in the Appendix 2 to section 6 IA Scope of Works (SOW). In this regard, kindly clarify work information required to be included in GS118 (14). * Remark BOQ items GS118(7)~ GS118(13) about the treatment for the existing Historical Structures and Building are matched with items in the Appendix 2 to section 6 IA Scope of Works (SOW) one by one except GS118(14) as mentioned above.</p>	<i>Correlation between BOQ and Provision Sums for historic structures is under reassessment and will be advised to bidders in Addendum 3</i>
S-06	2	Vol.2 Sec.6 1A Scope of Works Appendix 4	SOW-22	RAP Survey	-	<p>In the referred section, detail of Demolitions to be provided in an Addendum when the result of the RAP Survey are known. In this regard, please provide us the addendum.</p>	<i>Bidder is advised that Appendix 3 to 7 will be removed from Vol. 2 Sec 1A, Scope of Works in tender Addendum 3.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	1	Section 3	EQC 25	2.4.2/ Construction Experience in Key Activities	<p><Requirement> May be complied with by the Bidder or by Specialist Subcontractor. If Specialist Subcontractors are proposed by the Bidder for key activities, each Specialist Subcontract must have experience in related key activity as a single entity.</p> <p>If the key activity is to be undertaken by a Specialist Subcontractor, the Employer shall require evidence of the subcontracting agreement from the Bidder.</p>	<p>4. The Bidder intends to nominate a specialist subcontractor that have experience as a Joint Venture member in a project which includes 18,6 km of elevated structures using precast segmental span by span technique and including also bored pile, caps and piers. The Bidder's share in the project was approximately 40%.</p> <p>In case of participation as a specialist subcontractor, we kindly ask to clarify if the above-mentioned reference would meet the requirement set out at 2.4.2. Construction Experience in Key Activities of Section 3 Evaluation and Qualification Criteria settled for a single entity participation.</p>	<p><i>Bidder is requested to take note of 2.4.2 where it states that " If Specialist Subcontractors are proposed by the Bidder for key activities, each Specialist Subcontract must have experience in related key activity as a single entity."</i></p>
S-06	2	Part II – Requirements; Section 6 – The Employer's Requirements; IB – General Specification	GS91	128.2 Defects Liability	<p>"Should any equipment or plant remain out of service and prevent the commissioning and/or operation of the railway, due to reasons of failure by the Contractor to perform his duties under the DNP, the Employer reserves his rights to seek General Damages at Law commensurate with his operating costs (if any) and loss of operational revenues."</p>	<p>The Bidder notes an inconsistency between the contract conditions under Multilateral Development Bank Harmonised Edition June 2010 (FIDIC) and the General Specifications.</p> <p>Under Volume 2; Part II – Requirements; Section 6 – The Employer's Requirements; IB – General Specification (GS) Clause 128.2, the following is stated:</p> <p>"Should any equipment or plant remain out of service and prevent the commissioning and/or operation of the railway, due to reasons of failure by the Contractor to perform his duties under the DNP, the Employer reserves his rights to seek General Damages at Law commensurate with his operating costs (if any) and loss of operational revenues."</p> <p>However, Clause 17.6 of the FIDIC provides for a general exclusion to indirect or consequential loss or damage subject only to certain exclusions (ie. Sub-Clause 8.7, Sub-Clause 11.2, Sub-Clause 15.4, Sub-Clause 16.4, Sub-Clause 17.1, Sub-Clause 17.4(b) and Sub-Clause 17.5, fraud, deliberate default or reckless misconduct), none of which seem to be carving out the circumstances under 128.2 above.</p> <p>We note that FIDIC takes precedence in case of inconsistency.</p> <p>Can the Employer please advise how it intends to deal with this inconsistency during delivery?</p>	<p><i>GS will be amended. FIDIC will take precedence in case of inconsistencies.</i></p>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	2	Part II – Requirements; Section 6 – The Employer’s Requirements; IB – General Specification	GS86	126.7 Responsibility for Failed Interfaces	<p>Quite apart from those delay damages however, where one Interfacing Contractors work is delayed due to a failure on the part of another, increased or additional costs are likely to be claimed against the Employer under the terms of the third party contract.</p> <p>In the event the Employer should be obliged to compensate any such third party claims, the amount paid shall, subject to Clause 2.5 of the GCC, be counter-charged against the defaulting Contractor. Such charge would constitute general damages, and would not be included within any calculation of delay damages limits under GCC Clause 8.7.</p>	<p>The Bidder notes an inconsistency between the contract conditions under Multilateral Development Bank Harmonised Edition June 2010 (Fidic) and the General Specifications.</p> <p>Under Volume 2; Part II – Requirements; Section 6 – The Employer’s Requirements; IB – General Specification (GS) Clause 126.7, the following is stated:</p> <p>“Quite apart from those delay damages however, where one Interfacing Contractors work is delayed due to a failure on the part of another, increased or additional costs are likely to be claimed against the Employer under the terms of the third party contract.</p> <p>In the event the Employer should be obliged to compensate any such third party claims, the amount paid shall, subject to Clause 2.5 of the GCC, be counter-charged against the defaulting Contractor. Such charge would constitute general damages, and would not be included within any calculation of delay damages limits under GCC Clause 8.7.”</p> <p>However, Clause 17.6 of the FIDIC provides for a general exclusion to indirect or consequential loss or damage subject only to certain exclusions (ie. Sub-Clause 8.7, Sub-Clause 11.2, Sub-Clause 15.4, Sub-Clause 16.4, Sub-Clause 17.1, Sub-Clause 17.4(b) and Sub-Clause 17.5, fraud, deliberate default or reckless misconduct), none of which seem to be carving out the circumstances under 126.7 above.</p> <p>We note that FIDIC takes precedence in case of inconsistency.</p> <p>Question 1: Can the Employer please advise how it intends to deal with this inconsistency during delivery?</p> <p>Question 2: the first paragraph of the extract provided above refers to “a failure on the part...”. Can the Employer please clarify what type of “failure” would trigger this right? (i.e. presumably a failure to comply with its interface coordination obligations)</p>	<p><i>GS will be amended. FIDIC will take precedence in case of inconsistencies.</i></p>
S-06	1	Part I – Bidding Procedures Section 4A – Bill of Quantities		PS-1	Archeological Monitoring	<p>GS 118.9.3 reference given under the description of the PS-1 item does not seem to match the scope of the Provisional Sum. The Provisional Sum seems to deal with the fees and activities necessary when finding an unexpected archeological interest on site. However, given the unknown nature of the scope of the provisional sum, the contractor is not able to assess the adequacy of the amount allowed for the scope, nor include this scope in its programme. Furthermore, the Multilateral Development Bank Harmonised Edition June 2010 (FIDIC) already deals with the finding of items of archeological value under Clause 4.24 Fossils. Please clarify the purpose of this Provisional Sum and how is this meant to be interpreted together with FIDIC.</p>	<p><i>GS 118.9.3 will be revised to read GS 118.7.6 & GS 118.7.7 in Addendum 2.</i></p> <p><i>The purpose of provisional sum is to cover all cost incurred by the contractor in dealing with any archeological findings and the bidder is required to consider this in his programme of works</i></p>
S-06	3	Part III – Conditions of Contract; Particular Conditions PCC		General	General	<p>There appears to be an arbitrary use of the terms "Accepted Contract Amount" and "Contract Price" through the PCC. Please review these terms and correct if the Employer considers it appropriate.</p>	<p><i>Use of "Accepted Contract Amount" and "Contract Price" in the PCC is correct. The employer considers no change.</i></p>

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	3	Sec. 8 Part B	PCC 17	15.2 Termination by Employer	<i>Add new Subclause 15.2(g) as follows: "the Engineer gives two consecutive Notices to update the Program and accelerate the works to include mitigation measures required to ensure compliance with Clause 8.2 [Time for Completion] and the Contractor fails to update the Program and demonstrate acceleration of the works within a reasonable period of time determined by the Engineer."</i>	<p>The new Sub-clause 15.2(g) deals with accelerations of the Program of works. There is no implication of the reason for the Engineer to release such notice, and the Engineer decides what the reasonable time in submitting relative documents. This may result in giving the Engineer too much discretion in deciding the Termination of the Contract. We believe the acceleration in the new sub-clause refers to rectification of delays and such rectification may be carried out in accordance with sub-clause 8.6 Rate of Progress, as it already suggests such adjustment of the program by the Contractor upon notice by the Engineer.</p> <p>As such, please consider the following re-wording of the newly suggested sub-clause for Termination by the Employer.</p> <p>Add new sub-clause 15.2(g) as follows: "Fails to update the Program and demonstrate acceleration of the works within reasonable period of time determined by the Engineer after the Engineer gives two consecutive Notices in accordance with Clause 8.6 [Rate of Progress] to update the Program to rectify delays in the works and include reasonable mitigation measures required to comply with Clause 8.2 [Time for Completion]. Notwithstanding the above, the reasonable period shall not be less than 56 days."</p>	<i>No change will be made to the current sub-clause</i>
S-06	2	Part II – Requirements Section 6 - Employer's Requirements IB – General Specification	GS52	118.5.1 Soil Management Plan	Known contaminated soil is dealt with under 118.5.2.2. If further contaminated soil is identified, the Contractor shall minimize the disturbance of contaminated land and shall implement the control measures to manage and prevent surface water runoff from such land into any surface water body. If the Engineer requires contaminated soil to be excavated it shall be dealt with under 118.5.2.2.	<p>It is indicated in GS 118.5 that the Contractor is to deal with "known" contaminated soils under 118.5.2.2. Please clarify in which item of the BOQ these costs of managing and disposal of contaminated/hazardous material should be included. Also, please provide quantified data of contaminated material in order to estimate the cost and time of managing this scope of works.</p> <p>In addition to dealing with "known" contamination, the clause continues to explain the contractor's obligations in relation to the identification of further contaminated soils (ie unknown contamination). Please confirm that the contractor shall be entitled to claim under 4.12 of the Conditions of Contract in circumstances where unknown contamination is identified.</p>	<i>Please refer to Section 3.1.3.4. Soil Quality (Soil Contamination) of the EIS (Appendix 6). However, in case contaminated soils are discovered during site works, the Contractor shall determine the actual volume of contaminated soil and shall deal with such as required under GS 118.5.2.2. The costs of management and disposal of identified contaminated soils shall be charged to the Contractor's environmental management and monitoring budget.</i>
S-06	2	Part II – Requirements Section 6 - Employer's Requirements IA - Scope of Works	SOW - 15	2.4.4 Standardisation of Electrical and Mechanical Equipment	"the information received under (f) above	<p>Please clarify what the reference to (f) in sentence "the information received under (f) above" means as the reference seems incorrect.</p>	<i>Bidder is advised that the reference will change to item '6' in Addendum 3.</i>
S-06	3	Part III – Conditions of Contract; Particular Conditions PCC	-	19.1 Definition of Force Majeure	N/A (related to H&S COVID19)	<p>Recent pandemic event has considerably hampered the pursuit of critical socio-economic development undertakings in general, including that of the construction industry, and the related risks associated therewith presently remains unpredictable. In the light of this, may we suggest to please consider including Pandemic outbreaks as an exceptional event under the definition of Force Majeure.</p> <p>Add following at the end of clause 19.1 : (vi) Diseases and other health-related disorders declared by competent, internationally-recognized and authorized health institutions such as the World Health Organization (WHO) as pandemic outbreaks, such as novel coronavirus (COVID19), Severe Acute Respiratory Syndrome (SARS), etc.</p>	<i>No. Bidders shall prepare their bids taking into account all Covid related clauses in the bidding documents</i>
S-05	2	Vol.2, Drawings Book 2 (Architectural) - STRUCT - Structural_SS_10-14	-	SUBSTATION SS11 - STRUCTURAL CONCRETE WORKS - SOIL CEMENT COLUMN EQUIPMENT PAD DETAILS	-	<p>Please clarify if the ø600 Soil Cement Column is included in other items or it has a separate item on reference drawing NSRP-DWG-SS11-ST-4306. Please advice?</p>	<i>The ø600 Soil Cement Column are only for Substation 11. They are used to support the Substation building and the various equipment pads.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	2	Volume 2, Section 3, Book 2 - San Pedro Station Architectural Drawings	-	DWG No. NSRP-DWG-SPO-AR-3563	-	Please provide the material, finishing, type of glazing to be used for the windows. Please advice?	<i>For fixed glass louver and sliding window the material finishing and glazing will be (12mm THK Low-E laminated glass with aluminum framing) .Affected drawings (NSRP-DWG-SPO-AR-3563) will be corrected and submitted as part of Addendum 3, with revision number 21.2</i>
S-05	2	Volume 2, Section 3, Book 2 - San Pedro Station Architectural Drawings	-	DWG No. NSRP-DWG-SPO-AR-3033 DWG No. NSRP-DWG-SPO-AR-3101	-	Station Elec Rm - Wall finish in schedule is WF-02, but wall finish in the drawing is WF-03 Janitor's Room - Wall finish in schedule is WF-02, but wall finish in the drawing is WF-05 Paid Area - Wall finish in schedule is WF-01 and WF-06, but wall finish in the drawing is WF-02, Please advice?	<i>For Station Elec. Rm, wall finish should be WF2. For Janitor's room wall finishes, both WF2 & WF5 are applicable (WF2-outer side wall finish; WF5-inner side wall finish). Will add WF5 on NSRP-DWG-SPO-AR-3033 (Schedule of Finishes). For Paid Area, finish for inner walls should be WF2, and WF6 on the exterior side. Will remove WF1 from the Schedule of Finishes. (WF2 & WF6 will prevail). Affected drawings (NSRP-DWG-SPO-AR-3033 & 3569) will be corrected and submitted as part of Addendum 3, with revision number 21.2</i>
S-05	-	SCRP -05 Bill No.5 Drainage System & River Bank Protection	-	12_CP S-05_Main Drainage (NSRP-DWG-VIA05-DR-0112 to VIA-DR-0148)	-	111(30)a2 to 111(37)f Manhole/Catch Basin Type 2- No indicated Type 2 for Manhole/ Catch Basin based on Drainage Schedule of 12_CP S-05_Main Drainage (NCRP-DWG-VIA05-DR-0112 to VIA-DR-0148)	<i>Type 2 Manhole/Catch Basins were indicated in CP S-05 Stations(Binan,Pacita,San Pedro and Santa Rosa) Drainage Schedule . Please refer to Reference Drawings:NSRP-DWG-BIN-DR-2004_[21]; NSRP-DWG-PTA-DR-2004_[21]; and also to NSRP-DWG-SPO-DR-2004_[21.1] Addendum 1; and NSRP-DWG-SRO-DR-2004_[21]. Also refer to the Updated BOQ Addendum 1.</i>
S-05	-	12_CP S-05_Main Drainage	-	12_CP S-05_Main Drainage (NSRP-DWG-VIA05-DR-0007 to VIA-DR-0112)	-	Embankment and Temporary Slope Protection for the Existing Creeks and Canal for Realignment, Please confirm under what pay item? See NSRP-DWG-VIA0-DR-0007(Schedule of Canal Realignment),VIA-DR-0112 to VIA-DR-0148(Main Alignment)	<i>BoQ to submit as part of Addendum 3 and update incorporating embankment and temporary slope protection for creeks/canal using this pay item: 1) 201(2)4b Structural Excavation for Realigned Canal including slope protection. 2) 103(1)d Embankment for existing Canal (Selected Borrow material)</i>
S-05	2	Volume 2, Drawing Book 2 (Architectural) - STRUCT_SPO_ST	-	NSRP-DWG-SPO-ST-4121, NSRP-DWG-SPO-ST-4131, NSRP-DWG-PTA-ST-4121, NSRP-DWG-PTA-ST-4131	-	Please indicate/provide label for the location of slab on fill.	<i>Only NSRP-DWG-SPO-ST-4121 and NSRP-DWG-PTA-ST-4121 have slab on fill for this query. Updated sheets showing the labels will be issued as rev 21.2 as part of Addendum 3.</i>
S-05	2	Volume 2, Drawing Book 2 (Architectural) - ARCH_SPO_AR	-	NSRP-DWG-SPO-AR-3631	-	WS3-02: Emergency Exit Signage, WS3-03, DS1-12: Maintenance Office Sign, please confirm under what pay item? See NSRP-DWG-SPO-AR-3631 DS3-05: Fire Exit Signage in drawing but DS3-08: Fire Exit in BOQ, DS4-02: Multi-Purpose Toilet Signage in drawing but DS3-04: Restroom (Multi-Purpose) Signage in BOQ.	<i>The BOQ shall be revised to include WS3-02, DS1-12, DS3-05 and DS4-02. Updated BOQ shall be issued as Addendum 3. No work Item for WS3-03.</i>
S-05	2	Volume 2, Drawing Book 2 (Architectural) - ARCH_SPO_AR	-	NSRP-DWG-SPO-AR-3621	-	720mmx1300mm, H=480mm, Center Table in BOQ but 480mmx270mm, H=130mm, Center Table in schedule. 600mm x 600mm, H=750mm, Metal Side Table with Drawer not in the drawing. Please advice?	<i>480mm x 270mm, H=130mm is the correct Center table dimension . Please refer to NSRP-DWG-SPO-AR-3623 (Furniture & Equipment Legend). Metal Side table with drawer is not included in the scope. Therefore, will remove Metal Side Table in BOQ for Addendum 3.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	2	Volume 2, Section 3, Book 2 (Architectural) - BIN_AR/PTA_AR/SPO_AR/SRO_AR	-	DWG No. NSRP-DWG-BIN-AR-3034 DWG No. NSRP-DWG-BIN-AR-3521 to 3523	-	Please provide detail for FF13 located at platform level indicated in schedule of finishes. There is no NSRP-DWG-STA-AR-3031 in the general drawings given. Please advice?	<i>Schedule of Finishes for CPS-02 to CPS-06 are provided on each station (ex. NSRP-DWG-BIN-AR-3031 TO 3033). It is not necessary to provide detail for FF13 (MEMBRANE INSULATION BARRIER ON TROWELED FINISH CONCRETE) as this is applied before the floor finish, but this shall be added on the legend (NSRP-DWG-BIN-AR-3515 to 3523). Affected drawings (NSRP-DWG-BIN-AR-3515 & 3523) will be corrected and submitted as part of Addendum 3, with revision number 21.2</i>
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_01_SRO_AR	-	NSRP-DWG-SRO-AR-3563	-	Kindly confirm the Pay Item No. for the following items found in drawings but no listed in BOQ (Doors and Windows): W12, W13, W15, W16, and SH6. Please advice?	<i>BOQ to be revised. Updated BOQ shall be issued as Addendum 3.</i>
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_01_SRO_AR	-	NSRP-DWG-SRO-AR-3631 to NSRP-DWG-SRO-AR-3633	-	Kindly confirm the Pay Item No. for the following items found in drawings but no listed in BOQ (Signages): DS1-18, DS2-03, and DS3-05. Please advice?	<i>BOQ to be revised. Updated BOQ shall be issued as Addendum 3.</i>
S-05	2	Vol.2, Drawings Book 2 (Architectural) - STRUCT - Structural_SS_10-14	11	SUBSTATION SS11 - STRUCTURAL CONCRETE WORKS - SOIL CEMENT COLUMN EQUIPMENT PAD DETAILS	-	Please clarify if the ø600 Soil Cement Column is included in other items or it has a separate item on reference drawing NSRP-DWG-SS11-ST-4306.	<i>Please refer to the Updated BOQ Addendum 1, Bill No. 6-2-Substation No. 11, Part D.1, Item 405(18).</i>
S-05	2	Volume 2, Section 3, Book 2 - San Pedro Station Architectural Drawings	-	DWG No. NSRP-DWG-SPO-AR-3563	-	Please provide the material, finishing, type of glazing to be used for the windows, please advice?	<i>Drawing NSRP-DWG-SPO-AR-3563 (Schedule of Windows) to be updated and provided with material,finishing and glazing (12mm THK clear laminated glass with aluminum framing).Affected drawings (NSRP-DWG-SPO-AR-3563 & 3564) will be corrected and submitted as part of Addendum 3, with revision number 21.2</i>
S-05	2	Volume 2, Section 3, Book 2 - San Pedro Station Architectural Drawings	-	DWG No. NSRP-DWG-SPO-AR-3033 DWG No. NSRP-DWG-SPO-AR-3101	-	Station Elec Rm - Wall finish in schedule is WF-02, but wall finish in the drawing is WF-03 Janitor's Room - Wall finish in schedule is WF-02, but wall finish in the drawing is WF-05 Paid Area - Wall finish in schedule is WF-01 and WF-06, but wall finish in the drawing is WF-02. Please advice?	<i>For Station Elec. Rm, wall finish should be WF2. For Janitor's room wall finishes, both WF2 & WF5 are applicable (WF2-outer side wall finish; WF5-inner side wall finish). Will add WF5 on NSRP-DWG-SPO-AR-3033 (Schedule of Finishes). For Paid Area, finish for inner walls should be WF2, and WF6 on the exterior side. Will remove WF1 from the Schedule of Finishes. (WF2 & WF6 will prevail). Affected drawings (NSRP-DWG-SPO-AR-3033 & 3569) will be corrected and submitted as part of Addendum 3, with revision number 21.2</i>
S-05	-	12_CP S-05_Main Drainage	6/84	12_CP S-05_Main Drainage (NSRP-DWG-VIA05-DR-0007)Schedule of Canal Realignment	-	Earthworks and Structural Works for Canal Realignment (Cast In Place RCBC), Please confirm under what Pay Items? See 12_CP S-05_Main Drainage (NSRP-DWG-VIA05-DR-0007)Schedule of Canal Realignment	<i>The BOQ shall be updated to incorporate earthworks & structural works for the canal realignment. Updated BOQ shall be issued as Addendum 3.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	-	SCR P -05 Bill No.5 Drainage System & River Bank Protection	-	12_CP S-05_Main Drainage (NSRP-DWG-VIA05-DR-0112 to VIA-DR-0148)	-	111(30)a2 to 111(37)f Manhole/Catch Basin Type 2- No indicated Type 2 for Manhole/ Catch Basin based on Drainage Schedule of 12_CP S-05_Main Drainage (NCRP-DWG-VIA05-DR-0112 to VIA-DR-0148) . Please advice?	<i>Please refer to Addendum 1 drawing Nos. NSRP-DWG-BIN-DR-2002_[21.1]; NSRP-DWG-PTA-DR-2002 & 2003_[21.1]; NSRP-DWG-SPO-DR-2002 to 2004_[21.1]; NSRP-DWG-SPO-DR-2011_[21.1]; and NSRP-DWG-SRO-DR-2002_[21.1]. Please also refer to the Updated BOQ Addendum 1.</i>
S-05	-	12_CP S-05_Main Drainage	-	12_CP S-05_Main Drainage (NSRP-DWG-VIA05-DR-0007 to VIA-DR-0112)	-	Embankment and Temporary Slope Protection for the Existing Creeks and Canal for Realignment, Please confirm under what pay item? See NSRP-DWG-VIA0-DR-0007(Schedule of Canal Realignment),VIA-DR-0112 to VIA-DR-0148(Main Alignment)	<i>The BOQ shall be updated to incorporate embankment & temporary slope protection for the existing creeks and canal. Updated BOQ shall be issued as Addendum 3.</i>
S-05	-	12_CP S-05_Main Drainage	-	12_CP S-05_Main Drainage (NSRP-DWG-VIA05-DR-0112 to VIA05-DR-0148)	-	Please provide Manhole Type for At-Grade Mainline Drainage and Schedule see NSRP-DWG-VIA05-0112 to NSRP-DWG-VIA05-0148?	<i>There is only one manhole type for the drainage in the mainline. this is located in sheet NSRP-DWG-VIA00-DR-1304. For Manhole types near the stations, this can be found the stations drainage package</i>
S-05	-	13_CP S-06_Main Drainage	8/102	NSRP-DWG-VIA06-DR-0007	-	Earthworks and Structural Works for Canal Realignment (Cast In Place RCBC), Please confirm under what Pay Items? See 12_CP S-06_Main Drainage (NSRP-DWG-VIA06-DR-0007)Schedule of Canal Realignment	<i>Earthworks and Structural works for Canal Realignment indicated in NSRP-DWG-VIA06-DR-007 Rev 21 is included in BOQ. Bill No. 5 under the following pay item numbers: Part A - Earthworks: Pay Item no. 201(4)a & 201(4)d Part B - Structural Works: Pay Item no. 206(8)d, 206(10)d, 207(1)e & 207(1)b</i>
S-05	2	Volume 2, Drawing Book 2 (Architectural) - STRUCT_SP0_S T	7/55 8/55 7/58 8/58	NSRP-DWG-SPO-ST-4121, NSRP-DWG-SPO-ST-4131, NSRP-DWG-PTA-ST-4121, NSRP-DWG-PTA-ST-4131	-	Please indicate/provide label for the location of slab on fill. Please advice?	<i>Only NSRP-DWG-SPO-ST-4121 and NSRP-DWG-PTA-ST-4121 have slab on fill for this query. Updated sheets showing the labels will be issued as rev 21.2 as part of Addendum 3.</i>
S-05	2	Volume 2, Drawing Book 2 (Architectural) - ARCH_SP0_AR	78/85	NSRP-DWG-SPO-AR-3631	-	WS3-02: Emergency Exit Signage, WS3-03, DS1-12: Maintenance Office Sign, please confirm under what pay item? See NSRP-DWG-SPO-AR-3631 DS3-05: Fire Exit Signage in drawing but DS3-08: Fire Exit in BOQ, DS4-02: Multi-Purpose Toilet Signage in drawing but DS3-04: Restroom (Multi-Purpose) Signage in BOQ. Please advice?	<i>BOQ, Bill No.4-1, Part C.2-Architectural Works/Signages, to be revised and this will be made available within a revised BOQ in Addendum No.3.</i>
S-05	2	Volume 2, Drawing Book 2 (Architectural) - ARCH_SP0_AR	75/85	NSRP-DWG-SPO-AR-3621	-	720mmx1300mm, H=480mm, Center Table in BOQ but 480mmx270mm, H=130mm, Center Table in schedule. 600mm x 600mm, H=750mm, Metal Side Table with Drawer not in the drawing	<i>BOQ is revised. Please refer to GBB No.11, Bid Addendum No.1, Vol. 2/CP S-05 Vol.1A Sec4A BOQ 20210118, Bill No. 4-1 Part E (Miscellaneous Works), Pay Item No. 554(19)</i>
S-05	2	Volume 2, Section 3, Book 2 (Architectural) - BIN_AR/PTA_AR/SPO_AR/SRO_AR	-	DWG No. NSRP-DWG-BIN-AR-3034 DWG No. NSRP-DWG-BIN-AR-3521 to 3523	-	Please provide detail for FF13 located at platform level indicated in schedule of finishes. There is no NSRP-DWG-STA-AR-3031 in the general drawings given.	<i>Schedule of Finishes for CPS-02 to CPS-06 are provided on each station (ex. NSRP-DWG-BIN-AR-3031 TO 3033). It is not necessary to provide detail for FF13 (MEMBRANE INSULATION BARRIER ON TROWELED FINISH CONCRETE) as this is applied before the floor finish, but this shall be added on the legend (NSRP-DWG-BIN-AR-3515 to 3523). Affected drawings (NSRP-DWG-BIN-AR-3515 & 3523) will be corrected and submitted as part of Addendum 3, with revision number 21.2</i>
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_01_SRO_AR	57/93	NSRP-DWG-SRO-AR-3563	-	Kindly confirm the Pay Item No. for the following items found in drawings but no listed in BOQ (Doors and Windows): W12, W13, W15, W16, and SH6	<i>BOQ, Bill No.4-4, Part C.2-Architectural Works/Doors and Windows, to be revised to include W12, W13, W15, W16 and SH6 and this will be made available within a revised BOQ in Addendum No.3.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_01_SRO_AR	77/93	NSRP-DWG-SRO-AR-3631 to NSRP-DWG-SRO-AR-3633	-	Kindly confirm the Pay Item No. for the following items found in drawings but no listed in BOQ (Signages): DS1-18, DS2-03, and DS3-05	BOQ, Bill No.4-4, Part C.2-Architectural Works/Signages, to be revised to include DS1-18, DS2-03 and DS3-05 and this will be made available within a revised BOQ in Addendum No.3
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_05_BIN/PTA/SPO/SRO_ROADS	11/13	BIN/PTA/SPO/SRO-CW-1072	Section A for Installation Details of Traffic Signs	Kindly verify the diameter of the bolt with hexagonal head installed for the 19 mm thk plate	12mm diameter of bolt. Revised drawing CW-1072 Rev 21.2 to be issued in Addendum 3 to all affected Stations under CP S-04 to CP S-06.
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_01_SRO_AR	55-56/93	NSRP-DWG-PTA-AR-3561 to NSRP-DWG-PTA-AR-3562	-	Kindly confirm if D7: W=700mm x H=2100mm, Single Leaf Fire-rated with Bottom Louver and Narrow Lite Steel Flush Door and Jamb with Honeycomb Insulation, Fluorourethane Baking Finish, should be in BOQ for Pacita Station. D7 can be found in the drawings, but not listed as a pay item in the BOQ.	BOQ is revised as per latest revised Drawings. Please refer to GBB No.11, Bid Addendum No.1: 1)Vol. 2/CP S-05 Vol.1A Sec.4A BOQ 20210118/ Bill No.4-2, Pay Item No. 526(7)a 2)Vol. 2/02_Book 2/01_S05 ARCH/CP S-05_01_PTA_AR/ NSRP-DWG-PTA-AR-3561 to 3562 REV 21.1
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_01_SRO_AR	55-56/93	NSRP-DWG-PTA-AR-3561 to NSRP-DWG-PTA-AR-3562	-	Please verify if D9 is "Not Used" as shown in the schedule of doors. Item is listed in BOQ as pay item 526(9) with quantity of 4.	BOQ is revised. Please refer to GBB No.11, Bid Addendum No.1: Vol. 2/CP S-05 Vol.1A Sec4A BOQ 20210118/ Bill No.4-2, Pay Item No. 526(9) is deleted
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_01_BIN_AR	56-57/94	NSRP-DWG-BIN-AR-3561 to NSRP-DWG-BIN-AR-3562	-	Please verify if D7 is "N.A." as shown in the schedule of doors. Item is listed in BOQ as pay item 526(7) with quantity of 1.	BOQ is revised. Please refer to GBB No.11, Bid Addendum No.1: Vol. 2/CP S-05 Vol.1A Sec4A BOQ 20210118/ Bill No.4-3, Pay Item No. 526(7) is deleted
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_01_BIN_AR	56/94	NSRP-DWG-BIN-AR-3561	-	Please verify size of Fire Glass for D8 placed in Multipurpose Toilet at the Ground Floor.	Size of Fire Glass/ view glass for D8 is 200mm x 200mm. Please refer to drawings NSRP-DWG-BIN-AR-3561 & 3562 (Schedule of Doors)
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_01_SPO_AR and Volume 2_03 Book 2 (Architectural) - SCRP_Gen. DWGs_Arch.-Architecture	79/85	NSRP-DWG-SPO-AR-3632, NSRP-DWG-STA-AR-3592	-	Please provide details for signages DS4-02 to DS4-08	Please refer to Schedule of Signages (NSRP-DWG-STA-AR-3591 & 3592). We do not have DS4-02 to DS4-08. Drawings NSRP-DWG-SPO-AR-3631 to 3633 will be corrected to remove DS4-02 to DS4-08 from the legend. These will be submitted in Addendum 3 in response to bidder's query, with revision number 21.2
S-05	2	Volume 2_03 Book 2 (Architectural) - SCRP_Gen. DWGs_Arch.-Architecture	5/37	-	-	Pay item 504(2) is defined as 90 x 90 x 90mm, Granite Brick At-Grade Paving, with 90 mm thickness, however NSRP-DWG-STA-AR-3501 (Interlocking Block, Permeable) shows that the brick paving has a thickness of 60 mm.	Granite Brick At-Grade paving should be 90 x 90 x 60mm THK. Refer to drawing NSRP-DWG-STA-AR-3501

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_01_SPO/PTA/BIN/SRO_AR	-	NSRP-DWG-BIN/PTA/SPO/SRO-AR-3431	Down Stand Wall Detail	Please clarify the thickness for the fire rated tempered glass. The thickness specified in the detail is 12mm while the thickness in stated in the BOQ is 23mm.	BOQ is revised. Please refer to GBB No.11, Bid Addendum No.1: Vol. 2/CP S-05 Vol.1A Sec4A BOQ 20210118/ Bill No.4-1, 4-2, 4-3 & 4-4, Pay Item No. 530(7)
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_01_SPO/PTA/BIN_AR	-	NSRP-DWG-BIN/PTA/SPO/SRO-AR-3567	-	The dimensions for the louvers in the BOQ do not reflect the same dimensions found in the schedule.	For Bill No. 4-1 & 4-3: BOQ, Part C.2-Architectural Works/Doors and Windows, to be revised and this will be made available within a revised BOQ in Addendum No.3. For Bill No. 4-2 & 4-4: BOQ is revised Please refer to GBB No.11, Bid Addendum No.1: Vol. 2/CP S-05 Vol.1A Sec4A BOQ 20210118/ Bill No. 4-2 & 4-4, Part C.2 Architectural Works/ Doors and Windows
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_01_PTA_AR	-	NSRP-DWG-PTA-AR-3033, NSRP-DWG-PTA-AR-3569	-	Please verify wall finishes for Railway Elec. Rm, SER, TER, TUR, SUR, Service Hallway, AFC Room, and AFC UPS. The rooms specified have listed contrasting finishes.	Wall finish of Railway Elec. Rm, SER, TER, SUR, TUR and AFC room should be WF2. For AFC UPS room, wall finish would be WF3 (ACID RESISTANT PAINT TYPE FINISH). The description of WF3 on all Schedule of Finishes will be changed from (EXPOSED STRUCTURE WITH 100mm NON COMBUSTIBLE INSULATION) into (ACID RESISTANT PAINT TYPE FINISH).Affected drawings (NSRP-DWG-PTA-AR-3033 & 3569) will be corrected and submitted as Addendum 3 in response to bidder's query, with revision number 21.2
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_01_BIN_AR	-	NSRP-DWG-BIN-AR-3033, NSRP-DWG-BIN-AR-3569	-	Please verify wall finishes for Railway Elec. Rm, Station Electrical Room, AFC Room, and AFC UPS. The rooms specified have listed contrasting finishes.	Wall finish of Railway Elec. Rm, Station Elec. Rm and AFC room should be WF2. For AFC UPS room, wall finish would be WF3 (ACID RESISTANT PAINT TYPE FINISH). The description of WF3 on all Schedule of Finishes will be changed from (EXPOSED STRUCTURE WITH 100mm NON COMBUSTIBLE INSULATION) into (ACID RESISTANT PAINT TYPE FINISH).Affected drawings (NSRP-DWG-BIN-AR-3033 & 3569) will be corrected and submitted as Addendum 3 in response to bidder's query, with revision number 21.2
S-05	1	Volume 1 1.3 CP S-05 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-1 Plumbing Works Pumps Item no. 615(1)f	-	Please specify the type of Constant Booster Pump (CPS).	Please refer to Volume 2, Section 6 – IC Technical Specification TS 600 – Mechanical, Sanitary and Plumbing, 615.2.10 / Variable Speed Domestic Water Booster Pump Set
S-05	1	Volume 1 1.3 CP S-05 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-1 Sanitary Works Item no. 618(11) NSRP-DWG-SPO-SN-6021	-	Conflict between the Capacity on BOQ and Drawings for Waste Water Treatment. Please confirm which will govern?	BOQ is revised. Please refer to GBB No.11, Bid Addendum No.1: Vol. 2/CP S-05 Vol.1A Sec4A BOQ 20210118/ Bill No.4-1, Pay Item No. 618(11)
S-05	1	Volume 1 1.3 CP S-05 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-2 Plumbing Fixtures NSRP-DWG-PTA-PL-5828	-	Conflict between the Quantity on BOQ and Equipment Schedule for Water Heater. Please confirm which will govern?	BOQ is revised. Please refer to GBB No.11, Bid Addendum No.1: Vol. 2/CP S-05 Vol.1A Sec4A BOQ 20210118/ Bill No.4-2, Pay Item No. 614(16)

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	1	Volume 1 1.3 CP S-05 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-2 Plumbing Works Pumps Item no. 615(1)i	-	Please specify the type of Constant Booster Pump (CPS).	<i>Please refer to Volume 2, Section 6 – IC Technical Specification TS 600 – Mechanical, Sanitary and Plumbing, 615.2.10 / Variable Speed Domestic Water Booster Pump Set</i>
S-05	1	Volume 1 1.3 CP S-05 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-2 Sanitary Works Item no. 618(1)a NSRP-DWG-PTA-SN-6021	-	Conflict between the Capacity on BOQ and Drawings for Waste Water Treatment. Please confirm which will govern?	<i>BOQ, Bill No.4-2, Part F.3-Sanitary Works/ Pay Item No. 618(1)a, to be revised and this will be made available within a revised BOQ in Addendum No.2</i>
S-05	1	Volume 1 1.3 CP S-05 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-3 Plumbing Fixtures NSRP-DWG-BIN-PL-5828	-	Conflict between the Quantity on BOQ and Equipment Schedule for Water Heater. Please confirm which will govern?	<i>BOQ is revised. Please refer to GBB No.11, Bid Addendum No.1: Vol. 2/CP S-05 Vol.1A Sec4A BOQ 20210118/ Bill No.4-3, Pay Item No. 614(16)</i>
S-05	1	Volume 1 1.3 CP S-05 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-3 Plumbing Works Pumps Item no. 615(1)h	-	Please specify the type of Constant Booster Pump (CPS).	<i>Please refer to Volume 2, Section 6 – IC Technical Specification TS 600 – Mechanical, Sanitary and Plumbing, 615.2.10 / Variable Speed Domestic Water Booster Pump Set</i>
S-05	1	Volume 1 1.3 CP S-05 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-3 Sanitary Works Item no. 618(13) NSRP-DWG-BIN-SN-6021	-	Conflict between the Capacity on BOQ and Drawings for Waste Water Treatment. Please confirm which will govern?	<i>BOQ is revised. Please refer to GBB No.11, Bid Addendum No.1: Vol. 2/CP S-05 Vol.1A Sec4A BOQ 20210118/ Bill No.4-3, Pay Item No. 618(13)</i>
S-05	1	Volume 1 1.3 CP S-05 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-4 Plumbing Works Pumps Item no. 615(1)l	-	Please specify the type of Constant Booster Pump (CPS).	<i>Please refer to Volume 2, Section 6 – IC Technical Specification TS 600 – Mechanical, Sanitary and Plumbing, 615.2.10 / Variable Speed Domestic Water Booster Pump Set</i>
S-05	1	Volume 1 1.3 CP S-05 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-1 Fire Water Tank Item no. 630(1) NSRP-DWG-SPO-FS-6631	-	Conflict between the Capacity on BOQ and Drawing for FRP Fire Water Tank. Please confirm which will govern.	<i>BOQ is revised. Please refer to GBB No.11, Bid Addendum No.1: Vol. 2/CP S-05 Vol.1A Sec4A BOQ 20210118/ Bill No.4-1, Pay Item No. 630(1)</i>
S-05	1	Volume 1 1.3 CP S-05 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-1 Jockey Pump Item no. 630(3) NSRP-DWG-SPO-FS-6631	-	Please specify the type of Jockey Pump.	<i>Please refer to Volume 2, Section 6 – IC Technical Specification TS 600 – Mechanical, Sanitary and Plumbing, 615.2.16 / Jockey Pump</i>
S-05	1	Volume 1 1.3 CP S-05 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-1 Fire Extinguisher Clean Agent Type Item no. 630(5)b NSRP-DWG-SPO-FS-6631	-	Please Specify what type of clean agent.	<i>Please refer to Volume 2, Section 6 – IC Technical Specification TS 600 – Mechanical, Sanitary and Plumbing, 630.4.2 / Materials (Portable Fire Extinguisher)</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	1	Volume 1 1.3 CP S-05 Vol.1A Sec.4A BOQ	-	Bill No. 4-1 black steel pipe Item no. 630(7)a to h	-	Please confirm if Seamless or ERW.	<i>Please refer to Volume 2, Section 6 – IC Technical Specification TS 600 – Mechanical, Sanitary and Plumbing, 630.2.2.1 / Piping (Fire Fighting System)</i>
S-05	1	Volume 1 1.3 CP S-05 Vol.1A Sec.4A BOQ	-	Bill No. 4-1 stand pipe and hose system Item no. 630(8)	-	Please clarify the items included in stand pipe and hose system.	<i>Please refer to Drawing No. NSRP-DWG-STA-FS-9001 Rev 21/General Notes/Stand Pipe and Hose, Item Nos. (1) through (9) and NSRP-DWG-STA-FS-9011 Rev 21/General Station Standard Details Sheet 1</i>
S-05	-	13_CP S-06 Main Drainage	-	NSRP-DWG-VIA06- DR-0007 , VIA06-DR- 0172	-	Main Drainage Alignment location 54+780 between P-1205 & P-1206, indicated that there is Canal to be converted to culvert under Maintenance Road, Please confirm under what pay item? See NSRP-DWG-VIA06-DR-0007(Schedule of Canal Realignment),VIA06-DR-0172 (Main Alignment)	<i>Earthworks and Structural works for Canal Realignment indicated in NSRP-DWG-VIA06-DR-007 is included in BOQ, Bill No. 5 under the following pay item numbers: Part A - Earthworks: Pay Item no. 201(4)a & 201(4)d Part B - Structural Works: Pay Item no. 206(8)d, 206(10)d, 207(1)e & 207(1)b</i>
S-05	2	Volume 2, Section 6 - IC Technical Specification Annex A - TS 500	-	TS 572.1 Metal Louvers - Method of Measurement	-	Please verify if method of measurement for louvers is "square meter", instead of "each" that is listed in the provided BOQ.	<i>Technical Specification Annex A-TS 500/527.1 Method of Measurement (Metal Louver) to be revised and this will be made available in Addendum No.3.</i>
S-05	-	SCRP -05 and SCRP-06 Bill No.5 Drainage System & River Bank Protection	-	Bill of Quantities PART A EARTHWORKS	-	Clean out all watercourses 50m upstream of site, dispose of rubbish environmentally off site, trim banks of watercourses for lining(1 lumpsum). (Needs necessary details and breakdown)	<i>Watercourses Items shall be deleted from the Bill No. 5 and shall be transferred to the Provisional Sum (Bill No. 8). and this will be made available within a revised BOQ in Addendum No.2.</i>
S-05	-	SCRP -05 and SCRP-06 Bill No.5 Drainage System & River Bank Protection	-	Bill of Quantities PART A EARTHWORKS	-	Clean out all watercourses on site, dispose of rubbish environmentally off site, trim banks of watercourses for lining (1 lumpsum). (Needs necessary details and breakdown)	<i>Watercourses Items shall be deleted from the Bill No. 5 and shall be transferred to the Provisional Sum (Bill No. 8). and this will be made available within a revised BOQ in Addendum No.2.</i>
S-05	-	SCRP -05 and SCRP-06 Bill No.5 Drainage System & River Bank Protection	-	Bill of Quantities PART A EARTHWORKS	-	Clean out all watercourses 50m downstream of site, dispose of rubbish environmentally off site, trim banks of watercourses for lining(1 lumpsum) (Needs necessary details and breakdown)	<i>Watercourses Items shall be deleted from the Bill No. 5 and shall be transferred to the Provisional Sum (Bill No. 8). and this will be made available within a revised BOQ in Addendum No.2.</i>
S-05	-	SCRP -05 and SCRP-06 Bill No.5 Drainage System & River Bank Protection	-	Bill of Quantities PART A EARTHWORKS	-	Line all watercourses with rip-rap erosion protection(1lumpsum)(Needs necessary details and lumpsum)	<i>Watercourses Items shall be deleted from the Bill No. 5 and shall be transferred to the Provisional Sum (Bill No. 8). and this will be made available within a revised BOQ in Addendum No.2.</i>
S-05	2	Volume 2, Section 6 - IC Technical Specification Annex A - TS 500	A-33	TS 572.1 Metal Louvers - Method of Measurement	Aluminum louvers of Manual operable and fixed type with various size and configuration of louvers are measured in "Square Meter"...	Please verify if method of measurement for louvers is "square meter", instead of "each" that is listed in the provided BOQ. Please advice?	<i>Technical Specification Annex A-TS 500/527.1 Method of Measurement for Metal Louver to be revised and this will be made available in Addendum No.3.</i>
S-05	2	Volume 2_03 Book 2 (Architectural)	-	-	-	Please provide details for pay item 506(6)c - "W = 100mm, Stainless Steel Tile Border"	<i>For Tile border please use 30mm THK. granite with polished finish. For details please refer to drawing no. NSRP-DWG-STA-AR-3502 to be revised and submitted in Addendum 3.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	2	Volume 2_03 Book 2 (Architectural)	-	-	-	BOQ and drawings indicates that granite tiles have a thickness of 20 mm. Please verify if granite tiles provided are granite stones or tiles. Usually, granite tiles would be much thinner than 20 mm.	<i>This should be 30mm THK honed granite stone. Drawing NSRP-DWG-STA-AR-3501 will be updated and submitted as Addendum 3 in response to bidder's query, with revision number 21.2</i>
S-06	-	13_CP S-06_Main Drainage	-	NSRP-DWG-VIA06- DR-0007	-	Earthworks and Structural Works for Canal Realignment (Cast In Place RCB), Please confirm under what Pay Items? See 12_CP S-06_Main Drainage (NSRP-DWG-VIA06-DR-0007)Schedule of Canal Realignment	<i>Earthworks and Structural works for Canal Realignment indicated in NSRP-DWG-VIA06-DR-007 Rev 21 is included in BOQ, Bill No. 5 under the following pay item numbers: Part A - Earthworks: Pay Item no. 201(4)a & 201(4)d Part B - Structural Works: Pay Item no. 206(8)d, 206(10)d, 207(1)e & 207(1)b</i>
S-06	-	13_CP S-06_Main Drainage	-	NSRP-DWG-VIA06- DR-0007 , VIA06-DR- 4271	-	Embankment for the Existing Canals and Temporary Slope Protection for Realignment, Please confirm under what pay item? See NSRP-DWG-VIA06-0007(Schedule of Canal Realignment),VIA06-DR-014 to VIA06-DR-4271(Main Alignment)	<i>BOQ to be revised to incorporate the Embankment and Temporary Slope Protection and this will be made available within a revised BOQ in Addendum No.3.</i>
S-06	-	13_CP S-06_Main Drainage	-	NSRP-DWG-VIA06- DR-0007 , VIA06-DR- 0168	-	Main Drainage Alignment location 53+330 between P-1171 & P-1172, indicated that there is Canal to be converted to culvert under Maintenance Road, Please confirm the Length of the Canal and Under what pay item? See NSRP-DWG-VIA06-DR-0007(Schedule of Canal Realignment),VIA06-DR-0168 (Main Alignment)	<i>The length of canal for realignment at location 53+330 is stated in Schedule of Canal Realignment, As per drawing NSRP-DWG-VIA06-DR-007 Rev 21. Earthworks and Structural works for Canal Realignment indicated in NSRP-DWG-VIA06-DR-007 Rev 21 is included in BOQ, Bill No. 5 under the following pay item numbers: Part A - Earthworks: Pay Item no. 201(4)a & 201(4)d Part B - Structural Works: Pay Item no. 206(8)d, 206(10)d, 207(1)e & 207(1)b</i>
S-06	-	13_CP S-06_Main Drainage	-	NSRP-DWG-VIA06- DR-0007 , VIA06-DR- 0172	-	Main Drainage Alignment location 54+780 between P-1205 & P-1206, indicated that there is Canal to be converted to culvert under Maintenance Road, Please confirm under what pay item? See NSRP-DWG-VIA06-DR-0007(Schedule of Canal Realignment),VIA06-DR-0172 (Main Alignment)	<i>Earthworks and Structural works for Canal Realignment indicated in NSRP-DWG-VIA06-DR-007 Rev 21 is included in BOQ, Bill No. 5 under the following pay item numbers: Part A - Earthworks: Pay Item no. 201(4)a & 201(4)d Part B - Structural Works: Pay Item no. 206(8)d, 206(10)d, 207(1)e & 207(1)b</i>
S-06	-	13_CP S-06_Main Drainage	-	NSRP-DWG-VIA06- DR-0007 , VIA06-DR- 4271	-	Embankment for the Existing Canals and Temporary Slope Protection for Realignment, Please confirm under what pay item? See NSRP-DWG-VIA06-0007(Schedule of Canal Realignment),VIA06-DR-014 to VIA06-DR-4271(Main Alignment)	<i>BOQ to be revised to incorporate the Embankment and Temporary Slope Protection and this will be made available within a revised BOQ in Addendum No.3.</i>
S-06	-	13_CP S-06_Main Drainage	29/102	NSRP-DWG-VIA06- DR-0007 , VIA06-DR- 0168	-	Main Drainage Alignment location 53+330 between P-1171 & P-1172, indicated that there is Canal to be converted to culvert under Maintenance Road, Please confirm the Length of the Canal and Under what pay item? See NSRP-DWG-VIA06-DR-0007(Schedule of Canal Realignment),VIA06-DR-0168 (Main Alignment). Please advice?	<i>The length of canal for realignment at location 53+330 is stated in Schedule of Canal Realignment, As per drawing NSRP-DWG-VIA06-DR-007 Rev 21. Earthworks and Structural works for Canal Realignment indicated in NSRP-DWG-VIA06-DR-007 Rev 21 is included in BOQ, Bill No. 5 under the following pay item numbers: Part A - Earthworks: Pay Item no. 201(4)a & 201(4)d Part B - Structural Works: Pay Item no. 206(8)d, 206(10)d, 207(1)e & 207(1)b</i>
S-06	-	13_CP S-06_Main Drainage	34/102	NSRP-DWG-VIA06- DR-0007 , VIA06-DR- 0172	-	Main Drainage Alignment location 54+780 between P-1205 & P-1206, indicated that there is Canal to be converted to culvert under Maintenance Road, Please confirm under what pay item? See NSRP-DWG-VIA06-DR-0007(Schedule of Canal Realignment),VIA06-DR-0172 (Main Alignment). Please advice?	<i>Earthworks and Structural works for Canal Realignment indicated in NSRP-DWG-VIA06-DR-007 Rev 21 is included in BOQ, Bill No. 5 under the following pay item numbers: Part A - Earthworks: Pay Item no. 201(4)a & 201(4)d Part B - Structural Works: Pay Item no. 206(8)d, 206(10)d, 207(1)e & 207(1)b</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	-	12_CP S-05_Main Drainage	-	13 CP S-06 Main Drainage (NSRP-DWG-VIA05-DR-0149 to VIA05-DR-0178)	-	Please provide Manhole Type for At-Grade Mainline Drainage and Schedule see NSRP-DWG-VIA05-0149 to NSRP-DWG-VIA05-0178.	<i>There is only one manhole type for the drainage in the mainline. this is located in sheet NSRP-DWG-VIA00-DR-1304. For Manhole types near the stations, this can be found the stations drainage package</i>
S-06	2	Volume 2_03 Book 2 (Architectural) - CP S-06_01_CAB_AR	54-55/83	NSRP-DWG-CAB-AR-3561 to NSRP-DWG-CAB-AR-3562	-	Please verify presence of D15 in drawings. BOQ and CAB-AR-3562 shows that there is D15 with a quantity of 4, however CAB-AR-3561 shows there is no D15.	<i>BOQ is revised as per latest revised Drawings. Please refer to GBB No.11, Bid Addendum No.1: 1)Vol. 2/CP S-06 Vol.1A Sec.4A BOQ 20210118/ Bill No.4-1, Pay Item No. 526(15) 2)Vol. 2/02_Book 2/01_S06 ARCH/CP S-06_01_CAB_AR/ NSRP-DWG-CAB-AR-3561 to 3562 REV 21.1</i>
S-06	1	Volume 1 1.3 CP S-06 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-1 Plumbing Works Pumps Item no. 615(1)e	-	Please specify the type of Constant Bosster Pump (CPS).	<i>Please refer to Volume 2, Section 6 – IC Technical Specification TS 600 – Mechanical, Sanitary and Plumbing, 615.2.10 / Variable Speed Domestic Water Booster Pump Set</i>
S-06	1	Volume 1 1.3 CP S-06 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-1 Sanitary Works Item no. 618(15) NSRP-DWG-CAB-SN-6021	-	Conflict between the Capacity on BOQ and Drawings for Waste Water Treatment. Please confirm which will govern?	<i>BOQ is revised. Please refer to GBB No.11, Bid Addendum No.1: Vol. 2/CP S-06 Vol.1A Sec.4A BOQ 20210118/ Bill No.4-1, Pay Item No. 618(15)</i>
S-06	1	Volume 1 1.3 CP S-06 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-2 Plumbing Works Pumps Item no. 615(1)g	-	Please specify the type of Constant Bosster Pump (CPS).	<i>Please refer to Volume 2, Section 6 – IC Technical Specification TS 600 – Mechanical, Sanitary and Plumbing, 615.2.10 / Variable Speed Domestic Water Booster Pump Set</i>
S-06	1	Volume 1 1.3 CP S-06 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-2 Sanitary Works Item no. 618(16) NSRP-DWG-BAN-SN-6021	-	Conflict between the Capacity and Quantity on BOQ and Drawings for Waste Water Treatment. Please confirm which will govern?	<i>Correct capacity = 21 cum/day. The BOQ shall be revised for appropriate capacity. Updated BOQ shall be issued as Addendum 2.</i>
S-06	1	Volume 1 1.3 CP S-06 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-3 Plumbing Works Pumps Item no. 615(1)c	-	Please specify the type of Constant Bosster Pump (CPS).	<i>CPS shall be variable speed constant pressure booster pump (Direct on Line).</i>
S-06	1	Volume 1 1.3 CP S-06 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-3 Sanitary Works Item no. 618(17) NSRP-DWG-CAL-SN-6021	-	Conflict between the Capacity on BOQ and Drawings for Waste Water Treatment. Please confirm which will govern?	<i>Correct capacity = 70 cum/day. The BOQ shall be revised for appropriate capacity. Updated BOQ shall be issued as Addendum 2.</i>
S-06	1	Volume 1 1.3 CP S-06 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-1 Fire Water Tank Item no. 630(1) NSRP-DWG-CAB-FS-6631	-	Conflict between the Capacity on BOQ and Drawing for FRP Fire Water Tank. Please confirm which will govern.	<i>Correct capacity = 120cum. The BOQ shall be revised for appropriate capacity based from drawing No. NSRP-DWG-CAB-FS-6631_[21.1]. Updated BOQ shall be issued as Addendum 2.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	1	Volume 1 1.3 CP S-06 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-1 Jockey Pump Item no. 630(3) NSRP-DWG-CAB-FS- 6631	-	Please specify the type of Jockey Pump.	<i>Jockey pump shall be vertical multi-stage close coupled jockey pump</i>
S-06	1	Volume 1 1.3 CP S-06 Vol.1A Sec.4A BOQ Volume 2 Book 2 MPFS	-	Bill No. 4-1 Fire Extinguisher Clean Agent Type Item no. 630(5)b NSRP-DWG-CAB-FS- 6631	-	Please Specify what type of clean agent.	<i>Use HCFC123, HALOTRON, NOVEC 1230 or Approved equal</i>
S-06	1	Volume 1 1.3 CP S-06 Vol.1A Sec.4A BOQ	-	Bill No. 4-1 black steel pipe Item no. 630(7)a to h	-	Please confirm if Seamless or ERW.	<i>Black steel pipe shall be Seamless, Schedule 40</i>
S-06	-	13_CP S-06_Main Drainage	-	NSRP-DWG-VIA06- DR-0007 , VIA06-DR- 0172	-	Main Drainage Alignment location 54+780 between P-1205 & P-1206, indicated that there is Canal to be converted to culvert under Maintenance Road, Please confirm under what pay item? See NSRP-DWG-VIA06-DR-0007(Schedule of Canal Realignment),VIA06-DR-0172 (Main Alignment)	<i>Appropriate Item of works shall be established for the Canal to be covered to culvert under Maintenance Road at location 54+780. Updated BOQ shall be issued as Addendum 3.</i>
S-06	2	Volume 2, Section 6 - IC Technical Specification Annex A - TS 500	-	TS 572.1 Metal Louvers - Method of Measurement	-	Please verify if method of measurement for louvers is "square meter", instead of "each" that is listed in the provided BOQ.	<i>Technical Specification Annex A-TS 500/527.1 Method of Measurement for Metal Louver to be revised and this will be made available in Addendum No.2.</i>
S-06	-	SCRP -05 and SCRP-06 Bill No.5 Drainage System & River Bank Protection	-	Bill of Quantities PART A EARTHWORKS	-	Clean out all watercourses 50m upstream of site, dispose of rubbish environmentally off site, trim banks of watercourses for lining(1 lumpsum). (Needs necessary details and breakdown)	<i>Watercourses Items shall be deleted from the Bill No. 5 and shall be transferred to the Provisional Sum (Bill No. 8), and this will be made available within a revised BOQ in Addendum No.2.</i>
S-06	-	SCRP -05 and SCRP-06 Bill No.5 Drainage System & River Bank Protection	-	Bill of Quantities PART A EARTHWORKS	-	Clean out all watercourses on site, dispose of rubbish environmentally off site, trim banks of watercourses for lining (1 lumpsum). (Needs necessary details and breakdown)	<i>Watercourses Items shall be deleted from the Bill No. 5 and shall be transferred to the Provisional Sum (Bill No. 8), and this will be made available within a revised BOQ in Addendum No.2.</i>
S-06	-	SCRP -05 and SCRP-06 Bill No.5 Drainage System & River Bank Protection	-	Bill of Quantities PART A EARTHWORKS	-	Clean out all watercourses 50m downstream of site, dispose of rubbish environmentally off site, trim banks of watercourses for lining(1 lumpsum) (Needs necessary details and breakdown)	<i>Watercourses Items shall be deleted from the Bill No. 5 and shall be transferred to the Provisional Sum (Bill No. 8), and this will be made available within a revised BOQ in Addendum No.2.</i>
S-06	-	SCRP -05 and SCRP-06 Bill No.5 Drainage System & River Bank Protection	-	Bill of Quantities PART A EARTHWORKS	-	Line all watercourses with rip-rap erosion protection(1lumpsum)(Needs necessary details and lumpsum)	<i>Watercourses Items shall be deleted from the Bill No. 5 and shall be transferred to the Provisional Sum (Bill No. 8), and this will be made available within a revised BOQ in Addendum No.2.</i>
S-06	2	Volume 2, Section 6 - IC Technical Specification Annex A - TS 500	-	TS 572.1 Metal Louvers - Method of Measurement	Aluminum louvers of Manual operable and fixed type with various size and configuration of louvers are measured in "Square Meter"...	Please verify if method of measurement for louvers is "square meter", instead of "each" that is listed in the provided BOQ. Please advice?	<i>Technical Specification Annex A-TS 500/527.1 Method of Measurement for Metal Louver to be revised and this will be made available in Addendum No.3.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	2	Volume 2_03 Book 2 (Architectural)	-	-	-	Please provide details for pay item 506(6)c - "W = 100mm, Stainless Steel Tile Border"	<i>For Tile border please use 30mm THK. granite with polished finish. For details please refer to drawing no. NSRP-DWG-STA-AR-3502 to be revised and issued as Addendum 3</i>
S-06	2	Volume 2_03 Book 2 (Architectural)	-	-	-	BOQ and drawings indicates that granite tiles have a thickness of 20 mm. Please verify if granite tiles provided are granite stones or tiles. Usually, granite tiles would be much thinner than 20 mm.	<i>This should be 30mm THK honed granite stone. Drawing NSRP-DWG-STA-AR-3501 will be updated and issued as Addendum 3 in response to bidder's query, with revision number 21.2 *The same response on item 1822</i>
S-07	2	-	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-OCC-EL- 5021, 5022	-	Reference: OCC Building- Electrical The scope of supply and installation work for interconnection cables between S/G and electrical rooms is not clear. Please refer to the clouds in Red in the next figure for instance. As you see, there is a battery limit in the middle of cable in the drawing. Please clarify who will get responsibility for the works.	<i>The feeder cables from the Main distribution panel to connect to the load side breaker of the Switchgear is part of electrical contractors scope of work. The S/G is scope of others.</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-OCC-EL- 5050	-	Reference: OCC Building- Electrical The BPP3 and BPP4 distribution panels are not considered in the drawing, but the items of BPP3, BPP4 and their Q'ty are defined in the BOQ. Please clarify if those panels shall be considered or not.	<i>The BPP3 and BPP4 distribution panels have been deleted from the BOQ. Please refer to the updated BOQ, Addendum 1, Bill 4-1.1, Part F.5-Electrical Works, Power Distribution Panels.</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-OCC-EL- 5222	-	Reference: OCC Building- Electrical The RLP2 distribution panel is defined in the lighting layout on the roof unlike the configuration in the main feeder scheme plan and SLD drawing. Please clarify if the panel shall be considered or not. If the RLP2 distribution panel is not needed, please update the BOQ accordingly. Because, the panel is considered in the BOQ currently.	<i>The RLP2 distribution panel has been deleted from the BOQ. Please refer to the updated BOQ, Addendum 1, Bill 4-1.1, Part F.5-Electrical Works, Power Distribution Panels.</i>
S-07	2	-	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-OCC-EL- 5222	-	Reference: OCC Building- Electrical It seems to redraw the connection diagram of RLP1-2 on the roof to be connected to distribution group #1 (i.e. RLP1). Because, the name belongs to the distribution group #1, but the link is heading to the group #2 as shown in the next figure. Please clarify it.	<i>NSRP-DWG-OCC-EL-5222 to be issued as v21.2 in Addendum 3</i>
S-07	2	-	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-OCC-EL- 5222	-	Reference: OCC Building- Electrical There is no RELP1 distribution panel on the roof defined, but its link has been considered. Please clarify if it is a typo or if the panel design shall be updated.	<i>RELP1 will be deleted.NSRP-DWG-OCC-EL-5222 to be issued as v21.2 as Addendum 3</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	1A	Volume 1A Sec.4A BoQ	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-OCC-EL- 5041	-	Reference: OCC Building- Electrical The distribution panels (CER-1LP-1, CER-1PP1, CER-PUMP) as shown in the next figure are defined in the main feeder schematic diagram drawing (numbered "NSRP-DWG-OCC-EL-5041"), but not in the BOQ and the SLD drawings (numbered "NSRP-DWG-OCC-EL-5021, 5022") Please clarify if those panels shall be considered or not.	SECURITY HOUSE2, CENTRAL EQUIPMENT ROOM BLDG shall not be considered.Refer to NSRP-DWG-OCC-EL-5281 v21.2
S-07	1A	Volume 1A Sec.4A BoQ	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-OCC-EL- 5281	-	Reference: OCC Building- Electrical Some buildings not defined in the bidding are defined in the BMS DIAGRAM drawing numbered "NSRP-DWG-OCC-EL-5281" such as SECURITY HOUSE2, CENTRAL EQUIPMENT ROOM BLDG and etc. Please clarify if those buildings shall be considered in this project or not. As far as we know, according to the BMS definition in the BOQ, there are only 15 buildings with BMS as follows: Please confirm. - OCC BUILDING - LIGHT REPAIR SHOP - UNSCHEDULED REPAIR SHOP - WHEEL RE-PROFILING SHOP - CATENARY MAINTENANCE VEHICLE SHOP - FUEL PUMP HOUSE 1 - OIL STORAGE FOR LIGHT REPAIR SHOP - HAZARDOUS STORE - TRUCK GARAGE BUILDING - TRACK MAINTENANCE OFFICE - MAINTENANCE CAR SHOP - PUMP HOUSE FOR FIRE WATER TANK 1 - PUMP HOUSE FOR FIRE WATER TANK 2 - SECURITY HOUSE 1 - CANTEEN	SECURITY HOUSE2, CENTRAL EQUIPMENT ROOM BLDG shall not be considered.Refer to NSRP-DWG-OCC-EL-5281 v21.2
S-07	1A	Volume 1A Sec.4A BoQ	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-OCC-EL- 5431	-	Reference: OCC Building- Electrical According to the drawings of the lightning protection equipment of the OCC building numbered "NSRP-DWG-OCC-EL-5431", there is a 70sqmm MDBCW on the roof of the building, but there is no such item in the OCC Building BOQ. Please clarify it.	BOQ to be updated to revise the pay item 100sqmm MDBCW, changed to 70sqmm MDBCW based on drawing NSRP-DWG-OCC-EL-5431 & 5432, rev 21 Revised BOQ to be issued in Addendum 3.
S-07	1A	Volume 1A Sec.4A BoQ	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-LRS-EL- 5041	-	Reference: Light Repair shop - Electrical The LP-UPS1 distribution panel is defined in the main feeder scheme plan unlike the configuration in the SLD drawing and BOQ of LRS building. Please clarify if the panel shall be considered or not.	Please refer to the updated BOQ, Addendum 1, Bill 4-1.2, Part F.5, Power Distribution Panel, Panel LRS-UPS1.

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	2	-	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-OCC-EL-5021 NSRP-DWG-LRS-EL-5021	-	Reference: (General rules) The MCCB design rule for a spare feeder is applied differently for each buildings. Please clarify general design rules for spare feeders as follows: 1. MCCB shall be considered for the SPARE feeders? 2. If yes, the alarm signal from MCCBs to the BMS shall be considered for all SPARE feeders? For example) A) MCCBs considered for SPARE feeders B) MCCBs not considered for SPARE feeders	<i>MCCB shall be considered for the SPARE feeders and alarm signals to the BMS shall be considered..</i>
S-07	2	-	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-URS-EL-5051 NSRP-DWG-URS-EL-5231	-	Reference: Unscheduled Repair Shop - Electrical Regarding distribution panels, the Main feeder cable layout drawing (NSRP-DWG-URS-EL-5051) says its location on the west, i.e. on the column #1, while the power layout and panel board load schedule drawing (NSRP-DWG-URS-EL-5231) says on the east, i.e. on the column #8 Please confirm the exact location to consider.	<i>The exact location of distribution panels is at column #8. NSRP-DWG-URS-EL-5051 to be issued as v21.2 as Addendum 3</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-URS-EL-5430	-	Reference: Unscheduled Repair Shop - Electrical The specifications and quantities for LIGHTNING PROTECTION SYSTEM defined in the drawings and the BOQ are different. Please clarify it. For example) Air terminal : 2 sets in BOQ, but 6 sets in the drawing MDBCW : 108m in the BOQ, but at least 220m in the drawing Specification of MDBCW : 70sqmm in the BOQ, but 30 sqmm in the drawing.	<i>Please refer to the updated BOQ, Addendum 1, Bill 4-2.1, Part F.5, Lightning Protection System.</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-WRS-EL-5021	-	Reference: Wheel Re-profiling Shop- Electrical The distribution panel named "UNDERFLOOR WHEEL RE_PROFILING LATHE" in the next figure is considered in the drawing, but the item of the panel and its Q'ty are not defined in the BOQ. Please clarify if the panel shall be considered or not.	<i>The distribution panel named "UNDERFLOOR WHEEL RE_PROFILING LATHE" shall be considered in BOQ.</i> <i>BOQ to be updated to include the pay item for the Panel UNDERFLOOR WHEEL RE_PROFILING LATHE based on drawing NSRP-DWG-WRS-EL-5021, rev. 21.1</i> <i>Revised BOQ to be submitted as Addendum 3</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-WRS-EL-5021	-	Reference: Wheel Re-profiling Shop - Electrical The specifications and quantities for LIGHTNING PROTECTION SYSTEM defined in the drawings and the BOQ are different. The LIGHTNING PROTECTION SYSTEM is not defined in the BOQ at all, but is considered in the drawing. Please clarify it.	<i>As per Drawing No. NSRP-DWG-WRS-EL-5081, the quantity of Air terminal is 4 and MDBCW 30 sqmm.</i> <i>Please refer to the updated BOQ, Addendum 1, Bill 4-2.2, Part F.5, Lightning Protection System.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	1A	Volume 1A Sec.4A BoQ	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-CMV-EL- 5021	-	Reference: Cat. Maintenance Vehicle Shop - Electrical Q1) The specifications and quantities for LIGHTNING PROTECTION SYSTEM defined in the drawings and the BOQ are different. Please clarify it. For example) Air terminal : 2 sets in BOQ, but 5 sets in the drawing Specification of MDBCW : 60sqmm in the BOQ, but 30 sqmm in the drawing. [IMAGE HERE] Q2) In addition, the 38sqmm of MDBCW on the shop floor is not defined in the BOQ, but in the drawing. Please clarify it. Q3) Regarding this issue, such discrepancy occurs for most of all buildings as far as we know. Please review the specification and Q'ty of the lightning protection system for all buildings.	<i>As per Drawing No. NSRP-DWG-CMV-EL-5021, the quantity of Air terminal is 5 and MDBCW 30 sqmm.</i> <i>Based on latest BOQ , under Bill No 4-2.3, Part F.5 --- Electrical Works, pay items are as follows:</i> <i>PIN D711(1)f --- Air Terminal, 600mm Height, Class 1 (min) --- 5 sets</i> <i>PIN D703(8)f --- 30sqmm Medium Drawn Bare Copper Wire --- 143 Lm.</i> <i>Q2) BOQ to be updated to include pay item for 38mm dia MDBCW. Updated BOQ to be issued As Addendum 3</i>
S-07	2	-	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-WPH1-EL- 5011 NSRP-DWG-WPH1-EL- 5051	-	Reference: Water pump house 1 - Electrical Regarding a distribution panel, the drawing numbered NSRP-DWG-WPH1-EL-5011 says its location on the north, while the drawing numbered NSRP-DWG-WPH1-EL-5051 says on the south. Please confirm the exact location to consider.	<i>The distribution panel shall be considered in the south. NSRP-DWG-WPH1-EL-5011 to be issued as v21.2 as Addendum 3</i>
S-07	2	-	-	Book 1 (Civil) / 04_CP S-07_DPSFE Drawing No. NSRP-DWG-DEP-PL- 3009	-	Reference: Water pump house 1 Deep well - Civil The specifications of the Deep Well defined in the drawings and in the BOQ are different. i.e.) The specifications for bored depth and diameter in BOQ are defined 50m and D100 respectively, while the drawing specifies 120m and D200 of casing pipe. Please clarify the specification to consider.	<i>Drawing is only for reference. The contractor must verify all the design parameters of deep well by means of geotechnical survey. Please refer to NOTES on NSRP-DWG-DEP-PL-3009 REV</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	WATER SUPPLY (SOFTSCAPE (PLANTING)) D563(3) Ground water pump and piping D563(3) Pumps for potable water D563(3) Pumps for raw water distribution and irrigation	-	Q1) Please let us know the technical specification of each pump to be used for ground water, potable water and raw water. Q2) Also, please confirm that all electrical items such as cables and conduits required to drive the pump are considered in BOQ. Q3) Plus, please specify detailed items with specification and quantities for Pumps and Pipes instead of "ls".	<i>Q1) For ground water and raw water pump is not part of the scope. For Potable water please refer NSRP-DWG-DEP-PL-3006 Rev 21</i> <i>Q2) Cost for all electrical items such as cables and conduits required for the pump are to be included in the rates of Pumps. Please refer to SCRP_TS 600 Annex A, Sections 615 for the cost inclusions of Pumps</i> <i>Q3) Q3) Please refer to the updated BOQ, Addendum 1, Bill 4-2.13, Part F.2-Plumbing Works, Item D615(3)a.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	1A	Volume 1A Sec.4A BoQ	-	WATER SUPPLY (SOFTSCAPE (PLANTING)) D563(3) Provide treatment plant to treat ground water for potable use	-	Please let us know where to place the potable water plant.	<i>Location will depend on geotechnical survey on the actual water table on the area. Please refer to Note No. 5 on NSRP-DWG-DEP-PL-3008 Rev 21</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	CONDUIT AND CABLE TRAYS (For all buildings)	-	Please specify detailed items and quantities for the Underground Conduit of each building instead of "1 lot"	<i>Please refer to SCRP_TS 700_Annex A, Section 707 --- Conduit and Cable Trays, for the components / cost inclusions for the Conduit. Also, please refer to NSRP-DWG-DEP-EL-5101 to 5103, rev. 21.1, for the section details of the Underground Conduit.</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	DOORS AND WINDOWS (For all buildings) D534(3) The Master Key System or Card Key System	-	Please clarify the unit for The Master Key System or Card Key System instead of "Lot".	<i>Master Key is measured in "each." Please refer to SCRP_TS 500_Annex A, Section 534 which states as follows: Quantity of the Master Key and Card Key System is measured per "Each" based on the number of doors included / specified by the Specifications, drawings, or as instructed by the Engineer.</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	TRUCK GARAGE BUILDING C.1 STRUCTURAL WORKS Bill No. 4-2.10 MAINTENANCE CAR SHOP C.1 STRUCTURAL WORKS Bill No. 6-1 S.DEPOT SECTIONING POST C.1 STRUCTURAL WORKS 402(7) Test Pile	-	Please specify the unit of the Test Pile instead of "Nos." The units for other identical items are "l.m", not "Nos."	<i>The correct unit of measure for the Test Pile is l.m. BOQ shall be revised and Updated BOQ shall be issued as Addendum 3.</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	TOILET FIXTURES AND ACCESSORIES (CANTEEN) D619(22) Kitchen Lavatory	-	Please specify the unit for Kitchen Lavatory instead of "Lot".	<i>It is confirmed that the unit for Kitchen Lavatory is ea. BOQ shall be revised. Updated BOQ shall be issued as Addendum 2.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	1A	Volume 1A Sec.4A BoQ	-	BOQ) D630(2) Jockey Pump (PUMP HOUSE FOR FIRE WATER TANK 1, 2) Drawings) Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-OCC-EL- 5022	-	Please clarify the following specifications of each pump power : for OCC Jockey Pumps - 7.7kW in the BOQ, but defined as 14hp(10.44kW) in the drawing : for LRS Jockey Pumps - 6.42W in the BOQ, but defined as 12.5hp(9.36kW) in the drawing Which capacity will prevail for the pump?	<i>BOQ shall be revised for appropriate capacities. Updated BOQ shall be issued as Addendum 3. Please also refer to drawing No. NSRP-DWG-DEP-FS-7621 & 7622 rev.1</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	BOQ) D630(1) Fire Pump (PUMP HOUSE FOR FIRE WATER TANK 1, 2) Drawings) Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-OCC-EL- 5022	-	Please clarify the following specification of each pump power : for OCC fire Pumps - 75kW in the BOQ, but defined as 130hp(97kW) in the drawing : for LRS fire Pumps - 62W in the BOQ, but defined as 120hp(98.5kW) in the drawing Which capacity will prevail for the pump?	<i>BOQ shall be revised for appropriate capacities. Updated BOQ shall be issued as Addendum 3 . Please also refer to drwg No. NSRP-DWG-DEP-FS-7621 & 7622 rev 21</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	D706(1)bd POWER DISTRIBUTION PANEL (OCC BUILDING) Panel for Signaling Communication Requirements (inc. 50kVA UPS)	-	Should the cost for supplying 50kVA UPS be included in the commercial proposal? If yes, please let us know relevant technical specification or drawings for quotation.	<i>Yes. As clearly indicated in the Item Description- 50kVA UPS is included in Item D706(1)bd.</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	D708(6)k Junction Box for MFD (S.DEPOT SECTIONING POST)	-	The definition of MFD is not clear. Please explain what the MFD equipment is. Plus, please let us know the relevant item or clause in the technical specification.	<i>Please refer to the Technical Specifications, TS 700, Section 708.3-Lighting Control System; Clause 708.3.2- Receptacles (Outlet).</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	D607(4)b 51mm Dia. Black Steel Pipe for Compressed Air System D607(4)a 64mm Dia. Black Steel Pipe for Compressed Air System	-	Please explain what the compressed air system means. Who will be the responsible for the supply and installation work of the compressed air system? Is the Compressed Air System supplied by another contractor? We can't find such items in BOQ. Please clarify.	<i>Please refer to drawings NSRP-DWG-LRS-ME-6138 and 6141 to 6144, rev. 21for the complete detail of Compressed Air System piping. Compressed Air System Equipment are excluded in the SOW (i.e. to be installed By Others). Please refer to SCRP_TS 600, Section 627 for the technical specifications. For Q3)Only the piping works for the Compressed Air System is included in the SOW. Please refer to the updated BOQ, Addendum 1, Bill 4-1.2, Part F.1-Mechanical Works, Compressed Air System Equipment, Item Nos. D607(4)a and D607(4)b.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	1A	Volume 1A Sec.4A BoQ	-	Bill No.2 205(2) Geogrid, 37.5KN/m 205(3) Geogrid, 75.0KN/m	-	Geogrid quantities are quite different from our calculation basing on drawing. In particular geogrid 75kN/m quantity 443,536sqm reaches more 500% of our calculation 80k sqm. Please check and provide quantity calculation data for these items.	<i>Please refer to the Updated BOQ Item Nos. 205(2) and 205(3) of Addendum 1.</i>
S-07	-	-	-	-	-	Could you kindly provide us quantity calculation data for BOQ pay items?	<i>Bidder shall raise query for clarification if Bidder found any discrepancies in the quantities.</i>
S-07	2	Volume 2 Sec.6 ERQ	II. Drawings	NSRP-DWG-DEP-RD-8009, 8010, 8011, 8012, 8014 Access Track H=2.0m without OCS POLE, Access Track H=2.0m with OCS POLE, Access Track H=3.0m without OCS POLE, Access Track H=3.0m with OCS POLE, Access Track wall facing reinforcement details sheet 2	-	What is width of "With OCS POLE" section which applies heavy Geogrid reinforcement as Drawing 8010 and 8012? Is it 3 meters as shown in plan drawings shown herewith?	<i>"With OCS Pole" size as shown in plan in RD-8014 having a width of 850mm and length of 3000mm.</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	Bill No.2 202(2) Removal of Existing Lined Canal (quantity=430 lm)	-	Existing Lined Canal inside ROW should be relocated outside however detail design like section/plan drawing and payitem for construction is not found in BOQ except removal item. Please advise us how to price construction of relocated lined canal.	<i>BOQ shall be revised to include relocated lined canal (or realigned NIA Canal). Updated BOQ shall be issued as Addendum 3.</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	Bill No.2 205(8) Embankment for GRS Retaining Wall (quantity=34,962cum)	-	How can we calculate quantity for this item in GRS sections? We need specific guideline for measurement method such as projecting plane with certain angle from certain point at existing ground level otherwise it causes serious confusion in pricing.	<i>Please refer to Volume 2, 02_Book 1 (Civil); 03_CP S-07 Structures and look for the applicable Reference Drawings for the Depot Retaining (GRS) Wall.</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	Bill No.2 205(8) Embankment for GRS Retaining Wall (quantity=34,962cum)	-	How can we calculate quantity for this item in GRS sections? We need specific guideline for measurement method such as projecting plane with certain angle from certain point at existing ground level otherwise it causes serious confusion in pricing.	<i>Please refer to Volume 2, 02_Book 1 (Civil); 03_CP S-07 Structures and look for the applicable Reference Drawings for the Depot Retaining (GRS) Wall.</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	Bill No.2 103(4) Crushed Gravel Fill	-	In referred TS 103, no requirement is found regarding Crushed Gravel Fill material. Please provide specific requirement for material and construction.	<i>The crushed gravel fill is not applicable in CP S-07, Bill No. 2.</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	Bill No.2 Anti-graffiti coating to piers 3m high from ground level to all exposed concrete	-	Please provide Keyplan and Specification for Anti-graffiti coating to piers 3m high from ground level to all exposed concrete	<i>Please refer to TS 200 Clause 232 for the Anti Graffiti coating on piers.</i>
S-07	2	Volume 2 Sec.6 ERQ	-	NSRP-DWG-DEP-RD-1929 Perimeter wall facing details	-	What about payment for 100mm overlapping quantity of geogrid? Is it payable or should it be allowed in unit price without measurement?	<i>Bidder should include geogrid-overlapping in the unit price.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	1A	Volume 1A Sec.4A BoQ	-	Bill No.2 206(10)c Blind layer concrete/Lean concrete (t=100mm), 15MPa for Earth Retaining System, including Crushed Stone layer(200mm) 206(10)i1 Blind layer concrete/Lean concrete (t=100mm), 15MPa for Retaining wall, including compacted crushed stone layer (200mm) 206(10)m Blind layer concrete/Lean concrete (t=100mm), 15MPa for Electrical Manhole, including compacted crushed stone layer (200mm)	-	What about measurement for crushed stone layer? Is it measured separately or should be allowed in unit price of blind concrete without separate measurement? Please clarify.	<i>Please refer to the "Item Descriptions" of Item 206(10c and 206(10)i1. As clearly described, the respective Item of Works is inclusive of the crushed stone layer.</i>
S-07	2	Volume 2 Sec.6 ERQ	-	NSRP-DWG-DEP-RD-1927, 1928 Perimeter GRS retaining wall type 3 (H=8m) Perimeter GRS retaining wall type 3 (H=10m)	-	It is supposed that blind concrete(10mm) and crushed stone layer(200mm) is missing under piled slab and its quantity shall be paid by pay item "206(10)c Blind layer concrete/Lean concrete(100mm), 15MPa for Earth Retaining System, including Crushed Stone layer". Please confirm it.	<i>Design Team shall modify the Drawing for appropriate details. Revised drawing shall be issued as Addendum 3.</i>
S-04	1	Volume 1 Sec.4A BOQ 201001	Bill no.5	111(9)a	Manhole/Catch Basin, TYPE1(for 0.5m X 0.1m-0.5m RCBC)	Regarding the content in the bracket, we assume that "0.5m" indicates the clear width of the manhole, but then what does "0.1m-0.5m" indicate? It does not seem to match the depth of manholes on drawings. Please can the intended meaning of the numbers be clarified? This question duplicates in many other manhole descriptions.	<i>The sizes in bracket indicates manhole for rectangular channel with "0.5m" clear width and "0.1m-0.5m" less than or equal to 500mm clear depth.</i>
S-04	2	Book 2 CP S-04_Drainage Details	DRG No. NSRP-DWG-VIA00-DR-1406	111(47)d	Drainage Channel Outfall, TYPE 6 (for 0.5m X 0.1m~0.5m RCBC)	Referring to DRG No. NSRP-DWG-VIA00-DR-1406 OUTFALL TYPE 5, the dimensions of the RC retaining wall and the RIP-RAP works are not identified. Please can detailed drawings be provided?	<i>The Concrete headwall will be based on DR-1421. Riprap works will depend on the final grading onsite during construction</i>
S-04	1A	Vol.1A Sec.4A BOQ	26	207(2)a	Reinforcing Steel, Grade 60 for Bored Pile	Please advise whether this item includes the quantity of acoustic pipe? If not, please can the quantity be provided?	<i>Reinforcing Steel, Grade 60 for Bored Pile does not include quantity of acoustic pipe. The acoustic pipes (tubes for sonic logging test) - are subsidiary items to the Bored Pile Items. Please refer to the Pile Notes; Pile Test, Item No. (6) of drawing No. NSRP-DWG-DEP-RD-1933 Rev. 21.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	1A	Vol.1A Sec.4A BOQ	27	208(1)c	Prestressing Steel for Precast Segmental Box Girder	Please clarify whether this item includes the quantity of Screw-thread steel bars? If not, please can the quantity be provided?	<i>The screw-thread steel bars shall be a subsidiary item to the Specialist Erection Equipment. Please refer to the Technical Specifications, TS 200 Annex A, Section 206, Clause 206.1.1.8-Specialist Erection Equipment; part of second paragraph which states that "It shall also include subsequent demobilization and mobilization from site to site, establishment on each bridge site, re-testing and re-commissioning, operation and maintenance of the equipment, all labor, tools, special plant, equipment and incidentals for the erection of the precast segmental box girders by the span by span method as shown on the Drawings."</i>
S-04	1A	Vol.1A Sec.4A BOQ	27	208(1)c	Prestressing Steel for Precast Segmental Box Girder	Please clarify whether this item includes the quantity of anchorages, corrugated pipe and grouting? If not, please can the quantities be provided?	<i>Prestressing Steel includes the anchorages, corrugated pipes and grouting. Please refer to the Technical Specifications, TS 200, Section 208; Clause 208.1-The Work; Paragraph 2 which states that "This work shall include the furnishing and installation of any appurtenant items necessary for the particular prestressing system to be used, including but not limited to ducts, anchorage assemblies, and grout used for pressure grouting ducts".</i>
S-04	1A	Vol.1A Sec.4A /Vol2- Book 1 (Civil)- 03_CP S-04_VIA04	27 /19-20	PART B.5, 206(2)a, 207(2)e 208(1)b/ DWG No. NSRP-DWG-VIA04-ST-0037 and DWG No. NSRP-DWG-VIA04-ST-0038	SUPERSTRUCTURAL WORK (SEGMENTAL BOX GIRDER-PRE-CAST SEGMENT METHOD)	There are 3 sizes of PRE-CAST Segmental box girders in the BOQ, but, beside the 3 sizes mentioned, there is another size – being 1150mm wide from P606-P616 as shown on DWG No. NSRP-DWG-VIA04-ST-0037 and DWG No. NSRP-DWG-VIA04-ST-0038. Please can it be clarified which document has priority?	<i>The quantity of 11.5m width segmental box girder is included in pay item 206(3)a .</i>
S-04	1A	Vol.1A Sec.4A/Vol2-Book2 (Architectural) -04_S04 ELEC/CP S-04_03_ALA_EL	61	BILL OF QUANTITIES No. 4-1, Conduit and Cable Tray, 707(1)c; 707(1)b 707(1)f/ DWG No. NSRP-DWG-ALA-EL-5201 and DWG No. NSRP-DWG-EL-5205	Cable Tray	There are 3 sizes of Cable Tray in the BOQ, but beside the 3 sizes mentioned, there is another size – being 900mm wide as shown on DWG No. NSRP-DWG-ALA-EL-5201 and DWG No. NSRP-DWG-EL-5205. Please can it be clarified which document has priority?	<i>Sizes of cable tray in DWG No. NSRP-DWG-ALA-EL-5201 and DWG No. NSRP-DWG-EL-5205 are both correct 900mm wide and shall be considered in BOQ. The drawings are consistent with the design requirements. The BOQ shall be revised to include all appropriate item of works. Updated BOQ shall be issued as Addendum 3.</i>
S-04	1A	Vol.1A Sec.4A/Vol2-Book2 (Architectural) -04_S04 ELEC/CP S-04_03_ALA_EL	59	BILL OF QUANTITIES No. 4-1, Wires and Cables, 703(1)d, 703(1)f, 703(1)g, 703(1)h, 703(1)j, 707(1)l,707(1)m,707(1)n / NSRP-DWG-ALA-EL-5011	Cable	There are 8 sizes of Cable in the BOQ, but beside the 8 sizes mentioned, there is another "size", being 4C x 250 sq.mm THHN + 1C x 125sqmm TW(G) as shown on DWG No. NSRP-DWG-ALA-EL-5011. Please can it be clarified which document has priority? GG	<i>4C x 250 sq.mm THHN + 1C x 125sqmm TW(G) as shown on DWG No. NSRP-DWG-ALA-EL-5011 for MDB4 main cable is correct and shall be considered in BOQ. The drawing is consistent with the design requirements. The BOQ shall be revised to include all appropriate item of works. Updated BOQ shall be issued as Addendum 3.</i>
S-04	1A	Vol.1A Sec.4A/Vol2-Book2 (Architectural) -04_S04 ELEC/CP S-04_03_ALA_EL , CP S-04_03_MUN_EL	-	BILL OF QUANTITIES No. 4-1, 4-2/NSRP-DWG-ALA-EL-5011, NSRP-DWG-MUN-EL-5011	Generator	There are generators shown on both drawings but it seems no generators in the BOQ. Please can it be clarified which document has priority.	<i>Please refer to the updated BOQ, Addendum 1, Bill Nos. 4-1 and 4-2, Part F.5-Electrical Works, Generator Set.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	2	Vol.2A Sec.4A, sec.5A/01_Specifications-02_TS-SCRIP_TS 600	-	CPS-04, BILL OF QUANTITIES No. 4-1,4 2./CPS-05BILL OF QUANTITIES No. 4-1,4 2,4-3,4-4/T-600	TS 600 - 147	The sewage treatment plant parameters in the list are not consistent with the technical specifications. Please clarify which document is priority.	<i>TS/drawings will prevail. Please refer to the updated BOQ, Addendum 1, Bill Nos. 4-1 and 4-2, Part F.3-Sanitary Works.</i>
S-04	2	Vol.2A Sec.4A, Vol2-Book2 (Architectural) -05_S04 MPFS/CP S-04_04_ALA_ME_PL_SN_FS, CP S-04_04_MUN_ME_PL_SN_FS	-	CPS-04, BILL OF QUANTITIES No. 4-1,4 2/DWG No. NSRP-DWG-ALA-ME-5661, DWG No. NSRP-DWG-MUN-ME-5661	FANS	There are four fans numbered SEF-02, SEF-03, SEF-04, and PF-01 in the drawing, but they are not in the list. Please clarify which one shall prevail.	<i>SEF-02, SEF-03, SEF-04 and PF-01 are already included, reference drwg NSRP-DWG-ALA-5661 & NSRP-DWG-ALA-5661 rev. 21.1 Please refer to the Updated BOQ, Addendum 1, Bill Nos. 4-1 and 4-2, Part F.1-Mechanical Works, Fans.</i>
S-04	2	02-book (Civil) 02_CP S-04_VIA00 Bill no.3	Bill no.3	207(2)a	Splicing of bars for Reinforcing Cage	Refer to DRG No. NSRP-DWG-VIA00-ST-0321/0322, refer to Bars details of Pile, the drawing shows using coupler; but the note shows all pile longitudinal bars shall be tack welded, please clarified.	<i>Splicing of pile longitudinal bars are prohibited and requires the use of couplers. Notes in the following sheets shall be revised. NSRP-DWG-VIA00-ST-0321 NSRP-DWG-VIA00-ST-0322 NSRP-DWG-VIA00-ST-0323 NSRP-DWG-VIA00-ST-0324 NSRP-DWG-VIA00-ST-0325 Affected drawings shall be revised and issued as Rev 21.2 as Response to Bid Clarification.</i>
S-04	1	Volume1- 1.3 Vol.1A Sec.4A BOQ	Bill no.4-1	216(6)	Buffer Beaming	We cannot find the detailed drawing or specification of buffer beaming. Please provide the detailed drawing and the specification of buffer beaming	<i>For the detailed drawings, refer to sheets NSRP-DWG-MUN-ST-4522 and NSRP-DWG-ALA-ST-4522 rev 21 . For specifications, refer to TS400 Sec 417 Elastomeric Bearing Pad as Addendum 2</i>
S-04	3	Vol.3 Part III- Conditions of Contract	PCC 3	8.7 & 14.15(b)-Delay damages for the Works(0.05%)...in achieving each Key Date for the respective elements of the Works,.....	1) How to calculate the delay damages for the delay in achieving the Key Date indicated in Appendix 1-page PCC 6, PCC 7 & PCC 8) by the Employer. Please clarify 2) We suggest the delay damages in achieving each Key Date to be considered based on whole Works instead of respective elements for the Key Date. Please clarify	<i>Please refer to PCC 8.7. Delay Damage will be applied to total Contract Price. Please refer to FIDIC clause for the definition of Contract Price.</i>
S-04	2	Vol.2 - Part II - Requirements - Section 6 - Employer's Requirements - IA - Scope of Works	SOW - 17	Appendix 2	This Appendix.....Works. Up to date information will be provided by an Addendum.	This is a Lump Sum item in the BOQ. In the event, Bidders did not receive any up to date information for the Appendix A from the Employer during tender stage, but receive revise "Up to date Information" for Appendix A during construction stage. We consider this work as a variation to the contract referring to Clause 13 "Variations and Adjustment" instead of referring to Clause 4.10 "Site Data" Page 25 of FIDIC MDB. Please confirm	<i>BOQ will be revised as part of Addendum 3. Bidder shall refer to Provisional Sum items.</i>
S-04	2	Vol. 2 - 02 Book 1 (Civil) - 03 CP S-04_VIA04	-	General Arrangement (Span Layout)	-	The drawing indicated many types of "Soil Class" range from 2,5,7,8,9 & etc., however we are unable to find the description for these types of soil. Please advise	<i>Soil Class Table indicating the plot of SPT N count versus depth is shown in NSRP-DWG-VIA00-ST-1910 Rev 21.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	1	Vol. 1, Part 1 - Bidding Procedures, Section 4 - Bidding Forms	-	BOQ No. 3, Part B Structure Works	B.1, Sub-Structural Work (Foundation Work) - Bored Pile	We notice the BOQ didn't include the provision for "drilling into rock" or hard material. a) How to classify the material is "rock" or "hard material" if we encounter this type of material when carry out the bored piling work. Please advise	BOQ Bill No. 3, Item 204(1)-Geotechnical Investigation Works is provided in the BOQ to determine soil parameters and rock characteristics. Please refer to the Technical Specifications, TS 200, Section 204-Bored Piles; Clause 204.2.7-Geotechnical Investigation Works; Sub-Clause 204.2.7.1-General.
S-05	1	Volume 1- Sec.4A BOQ 201001	Bill no.5	111(9)a	Manhole/Catch Basin, TYPE1(for 0.5m X 0.1m-0.5m RCBC)	Regarding the content in the bracket, we assume that "0.5m" indicates the clear width of the manhole, but then what does "0.1m-0.5m" indicate? It does not seem to match the depth of manholes on drawings. Please can the intended meaning of the numbers be clarified? This question duplicates in many other manhole descriptions.	Sizes in bracket indicates manhole for rectangular channel with "0.5m" clear width and "0.1m-0.5m" less than or equal to 500mm clear depth.
S-05	1	Volume 1- Section 4A Volume 2, Book 2 (Civil) -11_CP S-05 Drainage Details-DRG No. NSRP-DWG-VIA00-DR-1406	Bill no.5	111(47)d	Drainage Channel Outfall, TYPE 6 (for 0.5m X 0.1m-0.5m RCBC)	Referring to DRG No. NSRP-DWG-VIA00-DR-1406 OUTFALL TYPE 5, the dimensions of the RC retaining wall and the RIP-RAP works are not identified. Please can detailed drawings be provided?	The Concrete headwall will be based on DR-1421. Riprap works will depend on the final grading onsite during construction
S-05	1	Volume1, Section 4A 201001	Bill no.3	204(2)a	-	1 M diameter bored piles are shown in the BOQ for S 05 but it seems they are not shown on the drawings? Please could the location and details of these piles be identified on relevant drawings?	Please refer to NSRP-DWG-VIA00-ST-1690 Rev 21 for the location and details of bored piles.
S-05	2	Vol.2A 02_Book 1 (Civil)	131	02_CP S-05_VIA00-ST-1271	NOISE BARRIER DETAILS	There is only a diagrammatic drawing for parapet wall. We can't calculate the quantity without specific dimension. Please provide the quantity of the parapet wall in linear meter.	Refer to Technical Specifications. If contractor shall obtain approval from the Engineer when Noise Barrier details needs to be changed.
S-05	2	Vol.2A Sec.4A, sec.5A/01 Specifications-02_TS-SCRIP_TS 600	-	CPS-04, BILL OF QUANTITIES No. 4-1,4 2, /CPS-05BILL OF QUANTITIES No. 4-1,4 2,4-3,4,4/T-600	TS 600 - 147	The sewage treatment plant parameters in the list are not consistent with the technical specifications. Please clarify which document is priority.	TS/drawings will prevail. Capacity of Waste Water Treatment Plant. The BOQ shall be revised for the appropriate capacities of the Waste Water Treatment Plant. Updated BOQ shall be issued as Addendum 2.
S-05	2	Vol.2A Sec.4A, Vol2-Book2 (Architectural) -05_S04 MPFS/CP S-04_04_ALA_ME_PL_SN_FS, CP S-04_04_MUN_ME_PL_SN_FS	-	CPS-04, BILL OF QUANTITIES No. 4-1,4 2/DWG No. NSRP-DWG-ALA-ME-5661, DWG No. NSRP-DWG-MUN-ME-5661	FANS	There are four fans numbered SEF-02, SEF-03, SEF-04, and PF-01 in the drawing, but they are not in the list. Please clarify which one shall prevail.	SEF-02, SEF-03, SEF-04 and PF-01 are already included, reference drwg NSRP-DWG-ALA-5661 & NSRP-DWG-ALA-5661 rev. 21.1 Please refer to the Updated BOQ, Addendum 1, Bill Nos. 4-1, 4-2 and 4-3, Part F.1-Mechanical Works, Fans.
S-05	2	02-book (Civil) 02_CP S-04_VIA00 Bill no.3	Bill no.3	207(2)	Splicing of bars for Reinforcing Cage	Refer to DRG No. NSRP-DWG-VIA00-ST-0321/0322, refer to Bars details of Pile, the drawing shows using coupler; but the note shows all pile longitudinal bars shall be tack welded, please clarified.	Splicing of pile longitudinal bars are prohibited and requires the use of couplers. Notes in the following sheets shall be revised. NSRP-DWG-VIA00-ST-0321 NSRP-DWG-VIA00-ST-0322 NSRP-DWG-VIA00-ST-0323 NSRP-DWG-VIA00-ST-0324 NSRP-DWG-VIA00-ST-0325 Affected drawings shall be revised and issued as Rev 21.2 as Response to Bid Clarification.

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	1	Volume1- 1.3 Vol.1A Sec.4A BOQ	Bill no.4-1	216(6)	Buffer Beaming	We cannot find the detailed drawing or specification of buffer beaming. Please provide the detailed drawing and the specification of buffer beaming.	<i>For the detailed drawings, refer to sheets NSRP-DWG-SPO-ST-4522, NSRP-DWG-PTA-ST-4522, NSRP-DWG-BIN-ST-4522 and NSRP-DWG-SRO-ST-4522 rev 21 . For specifications, refer to TS400 Sec 417 Elastomeric Bearing Pad as Addendum 2</i>
S-05	2	Vol. 2 - 02 Book 1 (Civil) - 03 CP S-04_VIA04	-	General Arrangement (Span Layout)	-	The drawing indicated many types of "Soil Class" range from 2,5,7,8,9 & etc., however we are unable to find the description for these types of soil. Please advise	<i>Soil Class Table indicating the plot of SPT N count versus depth is shown in NSRP-DWG-VIA00-ST-1910 Rev 21.</i>
S-05	1	Vol. 1, Part I - Bidding Procedures, Section 4 - Bidding Forms	-	BOQ No. 3, Part B Structure Works	B.1, Sub-Structural Work (Foundation Work) - Bored Pile	We notice the BOQ didn't include the provision for "drilling into rock" or hard material. a) How to classify the material is "rock" or "hard material" if we encounter this type of material when carry out the bored piling work. Please advise	<i>BOQ Bill No. 3, Item 204(1)-Geotechnical Investigation Works is provided in the BOQ to determine soil parameters and rock characteristics. Please refer to the Technical Specifications, TS 200, Section 204-Bored Piles; Clause 204.2.7-Geotechnical Investigation Works; Sub-Clause 204.2.7.1-General.</i>
S-05	2	Vol. 2, Part II- Requirements, Section 6- Employers Requirements, IC- Technical Specification, TS 200	TS-100-Annex A-9	204.1.1.2-Geotechnical Investigation Works	The measurement for payment of Geotechnical Investigation Works, either proposed by the Contractor and approved by the Engineer or as directed by the Engineer for purposes of confirming geotechnical properties of soil and rock and to determine the founding elevation of the bored piles specified in the Drawings, s.....	a) According to "CP S04-07 Responses to Clarification Requests (Batch 2)", 2nd row, Final Respond, that "The Works design is Detailed Design and the Bills of Quantities have been measured to reflect the Detailed Design", so under what circumstances that the Engineer will directed the Contractor to carry out Geotechnical Investigation Works for bored piles as per the Final Respond that "The Works design is Detailed Design". Please clarify b) The implication is for the Item a) above require additional time and resources will be deployed to the site when the Contractor carried out any Works directed by the Employer representative, vice versa no additional time and resources if will be deployed the design is completed. Please advise	<i>In situation where there will be change to the design in board piles as a result of the geotechnical investigation, the BOQ quantities shall be adjusted.</i>
S-06	2	Volume 2 Section 6	IB GS 100 Appendix 5- Page 6	5.4.1 List of Vehicles	-	Please advise if the Contractor is to provide work boats for each of the rivers listed in each package, or only for those rivers listed in the "Notes" column ?.	<i>Bidder shall refer to revised Appendix 5 to be issued in Addendum 2.</i>
S-06	1	Volume 1 Section 4	BF24	Management & Supervision -Site Organization	-	Please can definitions be provided for "1 – Project Management Chart", "3 – Site Management Charts" and "5 – Work Supervision Resources Chart"?	<i>Bidder is advised there is no specific definition of these charts and the bidders shall develop these charts in line with its experience on similar projects.</i>
S-06	2	02_Book 1 (Civil)- 03_CP S-06_VIA06	20	-	-	It seems that the MAMATID FUTURE STATION at KM52+42 is not shown in the BOQ. Is it a reserved station? Please can it be confirmed whether or not this station is included in the scope of works. ?	<i>"Mamatid Station" label has been removed and labeled as "STATION UNDECIDED (BY OTHERS) in NSRP-DWG-VIA06-ST-0031 Rev 21.2.</i>
S-06	2	Sec.6-IA Scope of Works	19	-	-	If the chainage of CABUYAO STATION is KM45+109, it should be in section S05, which does not match the drawing. Please can the chainage be confirmed?	<i>Correct chainage of 48+107 as per latest General Arrangement drawing sheet NSRP-DWG-VIA06-ST-0018 Rev 21 and Keyplan drawing sheet NSRP-DWG-VIA00-ST-0020 Rev 21.1</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	1	Volume 1- Sec.4A BOQ 201001	Bill no.3	T/S No. 209	Steelworks – Steel Tied Arch Bridge – San Cristobal River Crossing	Please clarify if nuts and bolts are included in BOQ item of 209(17) or not. If not, please can the quantity be advised?	<i>Bolts and nuts are included in the BOQ Item 209(17). Please refer to the Technical Specifications, TS 200, Section 209-Steel Structures, Clause 209.1-The Work - which states that "work shall consist of furnishing, fabricating, and erecting steel structures and structural steel portions of other structures in accordance with these Specifications, and the contract documents."</i>
S-06	2	Sec.6- M IA Scope of Works	SOW-11	2.2.3 Viaduct Structure and Superstructure	-	37.5m(1nos),30m(13nos.)25m(3nos); The Numbers of spans given in the SOW do not seem to match the drawings, such as: The 10.3 m wide spans of 37.5m length are stated to be 2no. but the drawings show only 1no. Similarly, the 6.3 m wide spans are shown on drawings as 1 no. of 37.5 m length, 13 no. of 30m length, and 3 no. of 25m length but shown differently in the SOW table. Please can this be clarified?	<i>Bidder to follow the drawings</i>
S-06	1	Sec.4A BOQ 201001	Bill no.5	111(9)a	Manhole/Catch Basin, TYPE1(for 0.5m X 0.1m-0.5m RCBC)	Regarding the content in the bracket, we assume that "0.5m" indicates the clear width of the manhole, but then what does "0.1m-0.5m" indicate? It does not seem to match the depth of manholes on drawings. Please can the intended meaning of the numbers be clarified? This question duplicates in many other manhole descriptions.	<i>Sizes in bracket indicates manhole for rectangular channel with "0.5m" clear width and "0.1m-0.5m" less than or equal to 500mm clear depth.</i>
S-06	2	Volume 2- book (Civil) - 11_CP S-06_Drainage Details-DRG No. NSRP-DWG-VIA00-DR-1406	Bill no.5	111(47)d	Drainage Channel Outfall, TYPE 6 (for 0.5m X 0.1m-0.5m RCBC)	Referring to DRG No. NSRP-DWG-VIA00-DR-1406 OUTFALL TYPE 5, the dimensions of the RC retaining wall and the RIP-RAP works are not identified. Please can detailed drawings be provided ?	<i>The Concrete headwall will be based on DR-1421. Riprap works will depend on the final grading onsite during construction</i>
S-06	2	03_CP S-06_VIA06	0NSRP-DWG-VIA06-ST-0023	-	-	The drawing shows a station at Gulod at 49+733, but we have not located a relevant drawing or an item in the BOQ. Pleas can this be clarified?	<i>"Gulod Station" label has been removed and labeled as "STATION UNDECIDED (BY OTHERS)" in NSRP-DWG-VIA06-ST-0023 Rev 21.2.</i>
S-06	2	-	P35 P13-14	03-CP S-06-VIA06 and 10_CP S-06_ATG.	-	The number of bored cast-in-situ piles (dia. 1m) of the U-SHAPED RETAINING WALL is inconsistent. Please can the correct number be advised ?.	<i>Xrefs attached in NSRP-DWG-ATG-ST-6100 Rev 21, NSRP-DWG-VIA06-ST-0052 Rev 21.2 drawings are the latest. Xref in drawings NSRP-DWG-VIA06-ST-0036 and 0037 updated in Addendum 2</i>
S-06	2	-	P35	03_CP S-06_VIA06	-	Please can the structural form of the superstructure from DAT-18S to DAT-15S be confirmed. Is it to be a U-SHAPED RETAINING WALL or PRECAST SEGMENTAL?	<i>DAT-18S/N to DAT-15S/N is Precast Segmental Box Girder. Please refer to drawing number NSRP-DWG-VIA06-ST-0052 Rev 21.2 and NSRP-DWG-VIA06-ST-0053 Rev 21.2.</i>
S-06	1	Volume 1 Section 4	P39	1.2 CP S-06 Vol.1 Sec.4 20201027	-	Please can a drawing be provided covering locations from 1180A to 1189 as mentioned in the Engineer's concept program, as shown in the following Figure.	<i>Piers P-1180A to P-1189 are shown in the following drawings: NSRP-DWG-VIA06-ST-0034 Rev 21 NSRP-DWG-VIA06-ST-0035 Rev 21</i>
S-06	1	-	P39	1.2 CP S-06 Vol.1 Sec.4 20201027	-	Please can it be confirmed if the work of the U-shaped retaining wall KM1+400-DAT -25 is within package 6 or not , as shown in the following Figure.	<i>U Shape Retaining Wall is part of Package CP S-07.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	2	02-book (Civil) - 02_CP S-04_VIA00 Bill no.3	Bill no. 3	207(2)a	Splicing of bars for Reinforcing Cage	Refer to DRG No. NSRP-DWG-VIA00-ST-0321/0322, refer to Bars details of Pile, the drawing shows using coupler; but the note shows all pile longitudinal bars shall be tack welded, please clarified.	<i>Splicing of pile longitudinal bars are prohibited and requires the use of couplers. Notes in the following sheets shall be revised. NSRP-DWG-VIA00-ST-0321 NSRP-DWG-VIA00-ST-0322 NSRP-DWG-VIA00-ST-0323 NSRP-DWG-VIA00-ST-0324 NSRP-DWG-VIA00-ST-0325 Affected drawings shall be revised and issued as Rev 21.2.</i>
S-06	1	Volume1- 1.3 Vol.1A Sec.4A BOQ	Bill no.4-1	216(6)	Buffer Beaming	We cannot find the detailed drawing or specification of buffer beaming. Please provide the detailed drawing and the specification of buffer beaming.	<i>For the detailed drawings, refer to sheets NSRP-DWG-CAB-ST-4522, NSRP-DWG-BAN-ST-4522 and NSRP-DWG-CAL-ST-4522 rev 21 . For specifications, refer to TS400 Sec 417 Elastomeric Bearing Pad as Addendum 2</i>
S-06	2	Vol. 2 - 02 Book 1 (Civil) - 03 CP S-04_VIA04	-	General Arrangement (Span Layout)	-	The drawing indicated many type of "Soil Class" range from 2,5,7,8,9 & etc., however we are unable to find the description for these type of soil. Please advise	<i>Soil Class Table indicating the plot of SPT N count versus depth is shown in NSRP-DWG-VIA00-ST-1910 Rev 21.</i>
S-06	1	Vol. 1, Part I - Bidding Procedures, Section 4 - Bidding Forms	-	BOQ No. 3, Part B Structure Works	B.1, Sub-Structural Work (Foundation Work) - Bored Pile	We notice the BOQ didn't include the provision for "drilling into rock" or hard material. a) How to classify the material is "rock" or "hard material" if we encounter this type of material when carry out the bored piling work. Please advise	<i>BOQ Bill No. 3, Item 204(1)-Geotechnical Investigation Works is provided in the BOQ to determine soil parameters and rock characteristics. Please refer to the Technical Specifications, TS 200, Section 204-Bored Piles; Clause 204.2.7-Geotechnical Investigation Works; Sub-Clause 204.2.7.1-General.</i>
S-07	2	Vol. 2, Part II- Requirements, Section 6 - Employer's Requirements, IA- Scope of Works	SOW-12	Item 2.2.7 Diversion of NIA Canal	The current irrigation canal running along the northern perimeter wall andIt would need to be diverted out of the Depot land.....as shown below.	No provision of irrigation canal diversion in the BOQ and no drawing provided of how this irrigation canal to be diverted in the tender document. Please advise	<i>The Item of Works for the Irrigation Canal Diversion (or the realigned NIA canal) shall be included in the revised BOQ. Updated BOQ shall be issued as Addendum 3. Please refer to drawing No. NSRP-DWG-DEP-DR-2744 Rev. 21.</i>
S-07	2	Vol. 2 - 02 Book 1 (Civil) - 03 CP S-04_VIA04	-	General Arrangement (Span Layout)	-	The drawing indicated many type of "Soil Class" range from 2,5,7,8,9 & etc., however we are unable to find the description for these type of soil. Please advise	<i>Please clarify for which package this query is for. Column D indicates "S-07" Column G indicates "Vol. 2 - 02 Book 1 (Civil) - 03 CP S-04_VIA04" Response to query is for CP S-04 since we do not have General Arrangement Drawings for CP S-07: Soil Class Table indicating the plot of SPT N count versus depth is shown in NSRP-DWG-VIA00-ST-1910 Rev 21.</i>
S-07	1	Vol. 1, Part I - Bidding Procedures, Section 4 - Bidding Forms	-	BOQ No. 3, Part B Structure Works	B.1, Sub-Structural Work (Foundation Work) - Bored Pile	We notice the BOQ didn't include the provision for "drilling into rock" or hard material. a) How to classify the material is "rock" or "hard material" if we encounter this type of material when carry out the bored piling work. Please advise	<i>BOQ Bill No. 2 & Bill No. 3, Item 204(1)-Geotechnical Investigation Works is provided in the BOQ to determine soil parameters and rock characteristics. Please refer to the Technical Specifications, TS 200, Section 204-Bored Piles; Clause 204.2.7-Geotechnical Investigation Works; Sub-Clause 204.2.7.1-General.</i>
S-05	1A	Volume 1A, Sec. 4A	BOQ 4-4	718(2) Generator Set	-	There is shown 33kVA, 3P Generator Set on BOQ. Please clarify whether it is included in electrical work.	<i>Yes, it is included under Bill No. 4-4 , Part F.5 Electrical Works based on drawing NSRP-DWG-SRO-EL-5011, rev 21</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	2	Volume 2_Specifications	TS 700	706.1.5 Power Distribution Panel	Short Circuit and Coordination Study	Please provide the information of applied basis criteria in design for short circuit currents to be selected the actual overcurrent protection devices based on comply with full selectivity condition.	<i>Short circuit currents values was based on short circuit design analysis report and selective coordination study of each station.</i>
S-05	2	Volume 2_Drawing	NSRP-DWG-SPO-EL-5408	Lighting Layout Concourse Level	-	There is not shown lighting in AFC room. Please let us know the M&E scope of work in this room.	<i>Lighting Layout Plan were provided for the AFC Room.Refer to NSRP-DWG-SPO-EL-5408 v21.</i>
S-05	2	Volume 2_Drawing	NSRP-DWG-SPO-EL-5422	Convenience Outlet Layout Concourse Level	-	There is not shown power outlet for AFC gate on layout plan. Please clarify how to be considered it.	<i>Power Outlets for AFC gates are scope of Railway System</i>
S-05	2	Volume 2_Drawing	NSRP-DWG-SPO-EL-5505	Panel-board Load Schedule	-	There is just shown power supply for motor in panel-board without start method and control sequence. Please provide the information for motor start method and control sequence as per mechanical fan & pump, etc.	<i>For motors less than 15 HP (11kW), direct online shall be applied. For motors rated at 15HP (11kW) and above, starters shall be applied; type of motor starter shall be as per manufacturer recommendation.</i>
S-05	2	Volume 2_Drawing	NSRP-DWG-SPO-EL-5803	CCTV System Diagram	-	There is not shown CCTV camera at platform area on diagram. Please inform us whether require any other interface with platform CCTV for system integration operation.	<i>CCTV cameras at platform level are scope of Railway System</i>
S-05	2	Volume 2_Sec.6	General Specification GS 126	Interface Management, Coordination and Communication	GS Appendix 4	According to GS 126.1 and GS Appendix 4, there are many interface items Civil Packages should be reflected to their Plan & Program between Civil packages and NS-01. Please provide the program/schedule of NS-01 to be reflected to the schedule/Program of CP S-05 including NS-01's design schedule.	<i>900mm and 1000mm diameter of bored piles is already included.</i>
S-05	1A	Vol.1A Sec.4A		Part C. Structural works	-	Size of bored pile shown on the BOQ does not match up with the drawings. For example, 900mm diameter bored pile and 1,000mm diameter bored pile are shown on the drawings (NSRP-DWG-SRO-ST-4601, 4621, 4721), but there are not items of these size piles on the BOQ of Sta. Rosa station. Please clarify whether the BOQ will be changed before tender closing or the tender amount will include these bored piles which are not shown on the BOQ.	<i>The BOQ shall be revised to include the 900mm and 1000mm dia. Bored Piles. Updated BOQ sahl be issued as Addendum 3.</i>
S-06	2	Vol.2_Specification	TS 700	706.1.5 Power Distribution Panel	Short Circuit and Coordination Study	Please provide the information of applied basis criteria in design for short circuit currents to be selected the actual overcurrent protection devices based on comply with full selectivity condition.	<i>Short circuit currents values was based on short circuit design analysis report and selective coordination study of each station.</i>
S-06	2	Volume 2, Drawing	NSRP-DWG-BAN-EL-5421	Convenience Outlet Layout Concourse Level	-	There is not shown power outlet for AFC gate on layout plan. Please clarify how to be considered it.	<i>Power Outlets for AFC gates are scope of Railway System</i>
S-06	2	Volume 2, Drawing	NSRP-DWG-BAN-EL-5505	Panel-board Load Schedule	-	There is just shown power supply for motor in panel-board without start method and control sequence. Please provide the information for motor start method and control sequence as per mechanical fan & pump, etc.	<i>For motors less than 15 HP (11kW), direct online shall be applied. For motors rated at 15HP (11kW) and above, starters shall be applied; type of motor starter shall be as per manufacturer recommendation.</i>
S-06	2	Volume 2, Drawing	NSRP-DWG-BAN-EL-5803	CCTV System Diagram	-	There is not shown CCTV camera at platform area on diagram. Please inform us whether require any other interface with platform CCTV for system integration operation.	<i>CCTV cameras at platform level are scope of Railway System</i>
S-06	2	Volume 2, Drawing	NSRP-DWG-CAB-ST-4401-4404	Cabuyao Station Structural Drawings	Cabuyao Station Concrete Works – Schedules and Details Foundation Girders	According to NSRP-DWG-CAB-ST-4401, the length of Extra Top Bar and Extra Bottom Bar has been indicated on TYPICAL GIRDER/BEAM DETAIL. However, the FOUNDATION GIRDER SCHEDULE shows extra top bar and extra bottom bar in the section. There are no information of length of EXTRA BOTTOM BAR in support section. Please clarify the length of Extra Bottom Bar in the END SECTION.	<i>Updated sheet NSRP-DWG-CAB-ST-4401 showing the correct detail of foundation girder will be issued as rev 21.2 as Addendum 3</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	2	Vol.2 Book 2 01_S07 ARCH 04_S07 MPFS	NSRP-DWG- WRS-AR-3501 NSRP-DWG- WRS-ME-6111	-	-	1. LED location in architectural drawing (above) conflicts with cassette air-conditioner in the mechanical drawing (below). Please advise which to follow. 2. Please advise if any sprinklers are to be installed.	1. To Update NSRP-DWG-WRS-ME-6111 Rev 21.2 as Addendum 3 2. No Sprinkler to be installed.
S-07	2	Vol.2 Book 2 01_S07 ARCH 04_S07 MPFS	NSRP-DWG- CMV-AR-3501 NSRP-DWG- CMV-ME-6111	-	-	1. LED location in architectural drawing (above) conflicts with cassette air-conditioner in the mechanical drawing (below). Please advise which to follow. 2. Please advise if any sprinklers are to be installed.	1. To Update NSRP-DWG-WRS-ME-6111 Rev 21.2 as Addendum 3 2. No Sprinkler to be installed.
S-07	2	Vol.2 Book 2 01_S07 ARCH 02_S07 STRUC	NSRP-DWG- TMO-AR-3101 NSRP-DWG- TMO-ST-4111	-	-	Columns highlighted in red is not shown in the architectural drawing(above), where they are shown in structural drawings(below). Please). Please advise which to follow.	To be reflect in architectural drawing NSRP-DWG-TMO-AR-3101 Rev 21.2 as Addendum 3
S-07	2	Vol.2 Book 2 01_S07 ARCH 04_S07 MPFS	NSRP-DWG- TMO-AR-3301 NSRP-DWG- TMO-ME-6111	-	-	1. LED location in architectural drawing (above) conflicts with cassette air-conditioner in the mechanical drawing (below). Please advise which to follow. 2. Please advise if any sprinklers are to be installed.	1. To Update NSRP-DWG-TMO-ME-6111 Rev 21.2 as Addendum 3 2. No Sprinkler to be installed.
S-07	2	Vol.2 Book 2 01_S07 ARCH	NSRP-DWG-URS- AR-3311	-	-	Gantry crane is by others. Kindly advise if structural support highlighted in red are also by others as they are not shown in structural drawings.	1. Overhead gantry crane is by others but the structural support is already provided in the drawings (see NSRP-DWG-URS-ST-4601 as Rev 21.1) as per bidders clarification
S-07	2	Vol.2 Book 2 01_S07 ARCH 02_S07 STRUC	NSRP-DWG- WRS-AR-3301 NSRP-DWG- WRS-ST-4121	-	-	Discrepancy between architectural drawings and structural drawings. Kindly confirm to follow structural drawings.	To revise architectural drawing NSRP-DWG-WRS-AR-3301 Rev 21.2 and issued as Addendum 3
S-07	2	Vol.2 Book 2 01_S07 ARCH	CP S-07_13- 14_AR_WPH1- AR-3201 CP S-07_13- 14_AR_WPH1- AR-3601	-	-	Window tag in drawings shows W6, where as window tag in schedule shows W5. Please advise	To update W6 instead of W5 NSRP-DWG- WPH1-AR-3201 Rev 21.2 and issued as Addendum 3
S-07	2	Vol.2 Book 2 01_S07 ARCH	NSRP-DWG- WPH2-AR-3201	-	-	Discrepancy of slab level between elevation(+150mm) and section. Please advise which to follow.	To provide line for floor slab in sections /for slab is +150mm in architectural drawing NSRP-DWG-WPH2-AR-3201 Rev 21.2 and issue as Addendum 3
S-07	2	Vol.2 Book 2 01_S07 ARCH	NSRP-DWG-DSP- AR-3101 NSRP-DWG-DSP- ST-4111	-	-	Discrepancy in layout between architectural and structural drawings. Please advise which drawing to follow.	NSRP-DWG-DSP-ST-4111 rev 21.2 will be updated and issued as Addendum 3

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	2	Book 2 01_S07 ARCH 02_S07 STRUC 03_S07 ELEC	NSRP-DWG-OCC-AR-3101 NSRP-DWG-OCC-ST-4121 NSRP-DWG-OCC-EL-5050	Drawings	-	For Basement Floor; Discrepancy between Architectural plan and Electrical & Structural plan. Structural & Electrical drawing shows wall opening required for 'Bus duct tunnel', but missing in Architectural drawing. Please advise which to follow	<i>For the structural drawings, bus duct tunnel had been removed previously. Correction on the missing wall will be updated on NSRP-DWG-OCC-ST-4121 rev 21.2 and 2021.NSRP-DWG-OCC-EL-5050 to be issued as v21.2 in Addendum 3</i>
S-07	-	Book 2 01_S07 ARCH 02_S07 STRUC	NSRP-DWG-OCC-AR-3102 NSRP-DWG-OCC-AR-3202 NSRP-DWG-OCC-ST-4131	Drawings	-	For Ground Floor; Discrepancy between Architectural Plan & Elevation and Structural Plan. Architectural Plan & Elevation shows staircase but missing in Structural Plan. Also, no blow up plan and section is included. Please clarify and provide additional details.	<i>Updated sheet NSRP-DWG-OCC-ST-4131 reflecting missing stairs as well as the structural details and section, which will be provided on additional sheet, will be issued as rev 21.2 in Addendum 3</i>
S-07	-	Book 2 01_S07 ARCH 02_S07 STRUC 04_S07 MPFS	NSRP-DWG-OCC-AR-3102, 3203, 3204, 3205 NSRP-DWG-OCC-ST-4131, 4142, 4143, 4144, 4151 NSRP-DWG-OCC-SN-7121, 7131, 7141, 7151	Drawings	-	For ALL Floors; Discrepancy between Architectural & MPFS plan and Structural plan. Floor opening for SPPS-3 (GF-RD), is shown in Architectural & MPFS plan but missing in Structural Plan. Also, size and location of floor opening required for SPPS-3, is clashing with concrete beam. Kindly confirm and clarify if structural drawings are to follow.	<i>For shafts opening, architectural drawing NSRP-DWG-OCC-AR-3102 Rev 21.2 will be revised and to be issued as Addendum 3</i> <i>The following structural plans will be updated to rev 21.2 and to be issued as Addendum 3: NSRP-DWG-OCC-ST-4131 NSRP-DWG-OCC-ST-4141 NSRP-DWG-OCC-ST-4142 NSRP-DWG-OCC-ST-4143 NSRP-DWG-OCC-ST-4144 NSRP-DWG-OCC-ST-4151</i>
S-07	-	Book 2 01_S07 ARCH 02_S07 STRUC 04_S07 MPFS	NSRP-DWG-OCC-AR-3102, 3203, 3204, 3205 NSRP-DWG-OCC-ST-4131, 4141, 4142, 4143, 4144, NSRP-DWG-OCC-SN-7121, 7131, 7141, 7151	Drawings	-	Discrepancy between Architectural & MPFS plans and Structural plans. Floor openings for below pipe shafts are shown in Architectural & MPFS plans (highlighted in red) but missing in Structural plans. - SPPS-4, SPPS-5 & SPPS-6: from GF to 5F - SPPS-7 & SPPS-8: from GF to 3F Kindly clarify and confirm which drawings are to follow.	<i>For shafts opening, architectural drawing NSRP-DWG-OCC-AR-3102 Rev 21.2 will be revised and to be issued as Addendum 3</i> <i>The following structural plans will be updated to rev 21.2 and to be issued as Addendum 3: NSRP-DWG-OCC-ST-4131 NSRP-DWG-OCC-ST-4141 NSRP-DWG-OCC-ST-4142 NSRP-DWG-OCC-ST-4143 NSRP-DWG-OCC-ST-4144 NSRP-DWG-OCC-ST-4151</i>
S-07	-	Book 2 01_S07 ARCH 02_S07 STRUC	NSRP-DWG-OCC-AR-3432, 3434, NSRP-DWG-OCC-ST-4381, 4382	Drawings	-	For Staircase-1 & 2; Discrepancy between Architectural section & Structural stair details. Number of risers shown in Architectural section and annotation indicating staircase type shown in Structural detail drawings are different. Kindly confirm which drawings are to follow.	<i>The number of stair risers in the structural drawings are only indicative. Kindly follow the architectural details for the number of stair risers. Sheets NSRP-DWG-OCC-ST-4381 and NSRP-DWG-OCC-ST-4381 will be updated as rev. 21.2 as Addendum 3.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	-	Book 2 01_S07 ARCH 02_S07 STRUC	NSRP-DWG-OCC-AR-3101, 3102, 3103, 3104, 3105 NSRP-DWG-OCC-ST-4121, 4131, 4141, 4142, 4143, 4144, 4151	Drawings	-	For ALL Floors; There is a discrepancy between Architectural plan and Structural plan for floor openings required for MPFS, Electrical and Elevator shaft. As highlighted, size and location of openings are different and some openings are clashing with concrete beam. Kindly confirm and clarify which drawings are to follow. Opening locations shown in Structural plan (Solid hatch) overlaid onto Architectural plan. ① Elevator-1 shaft. (from B1 to RD) ② EPS-1 (from GF to RD) ③ MPS-1 (from GF to RD) ④ SPPS-2 (GF) ⑤ Opening in Janitor Room: No annotation ⑥ EPS-2 (from GF to 4F) ⑦ EPS-3 (from GF to 4F) ⑧ EPS-4 (from GF to 4F) Arch.: Ground floor plan EPS-5 (from GF to 4F)	<i>Architectural drawing number NSRP-DWG-OCC-AR-3101 to 3105 Rev 21.2 will be revised and issued as Addendum 3</i> <i>The following structural plans will be updated and issued as rev 21.2 in Addendum 3:</i> <i>NSRP-DWG-OCC-ST-4121</i> <i>NSRP-DWG-OCC-ST-4131</i> <i>NSRP-DWG-OCC-ST-4141</i> <i>NSRP-DWG-OCC-ST-4142</i> <i>NSRP-DWG-OCC-ST-4143</i> <i>NSRP-DWG-OCC-ST-4144</i> <i>NSRP-DWG-OCC-ST-4151</i>
S-07	-	Book 2 01_S07 ARCH 02_S07 STRUC	NSRP-DWG-OCC-AR-3101, 3102, 3103, 3104, 3105 NSRP-DWG-OCC-ST-4121, 4131, 4141, 4142, 4143, 4144, 4151	Drawings	-	For ALL Floors; There is a discrepancy between Architectural plan and Structural plan for floor openings required for MPFS, Electrical and Elevator shaft. As highlighted, size and location of openings are different and some openings are clashing with concrete beam. Kindly confirm and clarify which drawings are to follow. Opening locations shown in Structural plan (Solid hatch) overlaid onto Architectural plan. ⑩ Elevator-2 shaft. (from B1 to RD) ⑪ EPS-6 (from GF to RD) ⑫ SPPS-9 (from GF to RD) ⑬ MPS-2 (from GF to RD) Arch.: Ground floor plan	<i>Architectural drawing number NSRP-DWG-OCC-AR-3101 to 3105 Rev 21.2 will be revised and issued as Addendum 3</i> <i>The following structural plans will be updated and issued as rev 21.2 as Addendum 3</i> <i>NSRP-DWG-OCC-ST-4121</i> <i>NSRP-DWG-OCC-ST-4131</i> <i>NSRP-DWG-OCC-ST-4141</i> <i>NSRP-DWG-OCC-ST-4142</i> <i>NSRP-DWG-OCC-ST-4143</i> <i>NSRP-DWG-OCC-ST-4144</i> <i>NSRP-DWG-OCC-ST-4151</i>
S-07	2	Vol2. Specification	TS 700	706.1.5 Power Distribution Panel	Short Circuit and Coordination Study	Please provide the information of applied basis criteria in design for short circuit currents to be selected the actual overcurrent protection devices based on comply with full selectivity condition.	<i>Short circuit currents values was based on short circuit design analysis report and selective coordination study of each station.</i>
S-07	2	Vol2. Drawing	NSRP-DWG-OCC-EL-5671	Panel-board Load Schedule		There is just shown power supply for motor in panel-board without start method and control sequence. Please provide the information for motor start method and control sequence as per mechanical fan & pump, etc.	<i>For motors less than 15 HP (11kW), direct online shall be applied. For motors rated at 15HP (11kW) and above, starters shall be applied; type of motor starter shall be as per manufacturer recommendation.</i>
S-07	2	Vol.2 & Drawing	NSRP-DWG-OCC-ST-4101	PILE SETOUT PLAN	Notes 4. pile length 31~33.0m	We kindly request of pile toe level at each piles.	<i>Refer to sheet NSRP-DWG-OCC-ST-4301 rev 21.1 for elevation of Pile Toe</i>
S-07	2	Vol.2 & Drawing	NSRP-DWG-URS-ST-4101	PILE SETOUT PLAN	Notes 4. Top level of piles shall be FGL -2.4m, pile length 33.0m	Please, clarify whether all of piles on the drawing have same length of 33.0m. If not, we kindly request of pile toe level at each piles.	<i>The drawing plan indicates each pile's top of pile elevation and their respective pile lengths. All piles without indications have top of pile elevations and pile lengths as shown on the notes.</i>

CP S04-07 Responses to Clarification Requests (Batch 7)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	2	Vol.2 & Drawing	NSRP-DWG-WRS-ST-4101	PILE SETOUT PLAN	Notes 4. Top level of piles shall be FGL -2.03m, pile length 32.0m	Please, clarify whether all of piles on the drawing have same length of 32.0m. If not, we kindly request of pile toe level at each piles.	<i>The drawing plan indicates each pile's top of pile elevation and their respective pile lengths. All piles without indications have top of pile elevations and pile lengths as shown on the notes.</i>
S-07	-	Site Data	411	8.1.2 Natural Condition of Depot Site (2) Flood risk Figure 8.1.1.9	Site Data 10.17 Depot Design Report (S-07)	The report showed the 100-year Flood Hazard Map at South Depot Location. Please provide low return period (for example, 5 or 10-year) Flood Hazard Map or flooding levels. If impossible, Please provide following items for hydraulic analysis of San Cristobal River. - Flow rate of San Cristobal River for each return period - Section data of San Cristobal River from project area to Laguna Lake - Water level of Laguna Lake for each return period	<i>The 100year + Climate Change condition was used to analyze the Flow Depth at San Cristobal River. This is considered as the design discharge for the river. For other locations of building, the flood depth from Project NOAH + freeboard was adopted.</i>
S-07	2	Volume 2 Section 6	-	NSRP-DWG-DEP-RD-1935	-	We refer to the drawing no. NSRP-DWG-DEP-RD-1935. Please advise if it is compulsory to construct the retaining wall after full height of the embankment. If yes, please advise if horizontal construction joints will be allowed.	<i>Contractor shall follow the sequence in the Drawing. The arrangement of construction joints shall be subject to Engineer's approval.</i>
S-07	2	Volume 2 Section 6	-	NSRP-DWG-DB1-ST-4104, NSRP-DWG-DB2-ST-4104,	-	We refer to the drawings no. NSRP-DWG-DB1-ST-4101 and NSRP-DWG-DB2-ST-4101. The number of bored piles captured from those drawings is 216 nos. and BOQ (Low-Strain Pile Integrity Testing) indicates only 166 nos. Please clarify.	<i>The BOQ shall be revised for the appropriate quantity of the Low-Strain Pile Integrity Testing. Updated BOQ shall be issued as Addendum 2.</i>
S-07	1	Volume 1 Section 4A	-	-	-	We refer to the quantities of the embankment in Section 4A Bills of Quantities No.2. We afraid that the quantities of the actual volume of the embankment could be increased a lot for the existing ground's weak conditions. Please clarify if it is the Client's intention to measure it based on the actual volumes.	<i>In situation where there will be change to the embankment design as a result of the geotechnical investigation, the BOQ quantities shall be adjusted.</i>