



General Bid Bulletin No. 22
April 29, 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 13)

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 13)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	1	Vol.1 Section 4, 4A	BF4,	BOQ, Preamble clause 3	CP S04-07 Responses to Clarification Requests (Batch 2)	<p>We understand that the quantities given in BOQ are an estimate and are not to be taken as the actual, final and correct quantities of the work to be carried out by the contract so the basis of payment will be the actual quantities of work ordered and carried out in conformity with the Specifications and the Drawings, as measured by the Engineer and valued at the rates and prices in the priced BOQ.</p> <p>However, in the responses to clarification requests, Admeasurement is the measurement of change from the Detailed Design to the revised designs as instructed and this will not require wholesale remeasurement.</p> <p>Please clarify that Employer will pay based on the actual quantities of the work to be carried out by the contract, not only difference in quantities between BOQ and actual but also change from the detailed design to the revised designs as instructed.</p>	<p><i>The quantities in the BOQ are accurate and measured from Detailed Design. Admeasurement is the measurement of change from Detailed Design to revised Detailed Design and /or Variations as instructed by the Engineer.</i></p> <p><i>Further, any obvious errors detected in quantification in the BOQ shall, subject to the agreement of the Engineer, be re-measured and corrected. The Contractor is not expected to take the risk of errors in quantities.</i></p> <p><i>Bidder is advised that PCC Clause 1.1.6.12 related to ad-measurement definition will be removed in Addendum 3.</i></p> <p><i>However, changes from Detailed Design to revised designs post-award as instructed shall be a VO and shall be covered by GCC Clause 13.</i></p>
S-07	3	Volume 3 Part 3 – COC Section 8	PCC-7	Attachment 1 Summary of Key dates	KD02 - Provision of access for CP NS-01 (trackwork and E&M Systems) to electric equipment rooms to enable installation of equipment	<p>We kindly request of conditions for access for CP NS-01. Please describe (or explain) in detail about the conditions of finish work, M&E work, and temporary facility to provide access for CP NS-01.</p>	<p><i>The provision of access for CPNS-01 shall be clear and free conditions.</i></p>
S-07	3	Volume 3 Part 3 – COC Section 8	PCC-7	Attachment 1 Summary of Key dates	KD03 - Provision of Access to Depot Stabling Yard and Depot Buildings for CP NS-01 (trackwork and E&M Systems) to commence installation	<p>We kindly request of conditions for access for Depot Stabling Yard and Depot Buildings for CP NS-01. Please describe (or explain) in detail about the conditions of finish work, M&E work, and temporary facility to provide access for CP NS-01.</p>	<p><i>The provision of access for CPNS-01 shall be clear and free conditions.</i></p>
S-07	2	Vol.2 2.4 SCRIP_Supplementary Information 201119	Page29	DPWH interface	Closure of minor north-south road at west end of depot while underpass built.	<p>Please confirm that Contractor can construct underpass without diverting north-south road at west end of depot. If the road can be closed to allow traffic only for the construction, please inform the available duration of road closure entitled to Contractor.</p>	<p><i>For the detour (diversion road) under construction, the Contractor shall confirm the construction schedule and the situation of the site before the construction and prepare a detour plan and adjust it with GCR. After that, determine the detour in consultation with the road administrator.</i></p>

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S-07	2	Volume2 2.4 SCRIP_Supplementary Information 201119	Page29	DPWH interface	Diversion road along north and east side of depot	Please clarify meaning and extent of the scope “Diversion road along north and east side of depot”. Reference drawing or sketch will be appreciated.	<i>For the detour (diversion road) under construction, the Contractor shall confirm the construction schedule and the situation of the site before the construction and prepare a detour plan and adjust it with GCR. After that, determine the detour in consultation with the road administrator.</i>
S-07	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-07 including NS-01’s design schedule.	<i>The interface with CPNS-01 shall be refer to related Key Dates.</i>
S-07	1	Vol.1 Section 4, 4A & CP S04-07 Responses to Clarification Requests (Batch 2)	BF4,	BOQ, Preamble clause 3	P S04-07 Responses to Clarification Requests (Batch 2)	<p>We understand that the quantities given in BOQ are an estimate and are not to be taken as the actual, final and correct quantities of the work to be carried out by the contract so the basis of payment will be the actual quantities of work ordered and carried out in conformity with the Specifications and the Drawings, as measured by the Engineer and valued at the rates and prices in the priced BOQ.</p> <p>However, in the responses to clarification requests, Admeasurement is the measurement of change from the Detailed Design to the revised designs as instructed and this will not require wholesale remeasurement.</p> <p>Please clarify that Employer will pay based on the actual quantities of the work to be carried out by the contract, not only difference in quantities between BOQ and actual but also change from the detailed design to the revised designs as instructed.</p>	<p><i>The quantities in the BOQ are accurate and measured from Detailed Design. Admeasurement is the measurement of change from Detailed Design to revised Detailed Design and /or Variations as instructed by the Engineer.</i></p> <p><i>Further, any obvious errors detected in quantification in the BOQ shall, subject to the agreement of the Engineer, be re-measured and corrected. The Contractor is not expected to take the risk of errors in quantities.</i></p> <p><i>Bidder is advised that PCC Clause 1.1.6.12 related to ad-measurement definition will be removed in Addendum 3.</i></p> <p><i>However, changes from Detailed Design to revised designs post-award as instructed shall be a VO and shall be covered by GCC Clause 13.</i></p>
S-07	2	Volume 2 Section 6	-	NSRP-DWG-DEP-RD-1926	-	We refer to the drawing no. NSRP-DWG-DEP-RD-1926. It seems different from GRS Retaining Wall Type 1&3 in terms of not only the shape but also the construction sequence. Please provide the construction sequence for Piled RC Retaining Wall Type 2.	<i>It is Contractor's responsibility to propose construction Plan and agree with Engineer.</i>

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S-07	2	Volume 2 Section 6	-	NSRP-DWG-DEP-DR-2617 NSRP-DWG-DEP-DR-2103	-	We refer to the drawing no. NSRP-DWG-DEP-DR-2617 and we noted that the drainage line shown on the drawing is outside of project Right-of-Way. Please clarify if the S-07 Contractor shall acquire the land by himself for the construction of that drainage as it is outside of project Right-of-Way.	<i>Bidder is advised that the Civil Contractor is not required to acquire the land. However, the actual work outside the ROW related to the drainage is within the Civil Contractor scope. The ROW drawings are being update and will be part of IFC drawings.</i>
S-05	2	Volume 2, Section 6, II Drawings	-	NSRP-DWG-VIA00-ST-0062	-	According to Drawing No. NSRP-DWG-VIA00-ST-0062, a trackwork contractor (CP-NS-01) will construct the tracks to be built on the girder. In connection with this, the Bidder was wondering if the Bidder (i.e., Civil Contractor) would need to install the protective concrete layer on the girder. Please clarify. In addition, if the protective concrete layer is within the scope of work to be completed by the Civil Contractor, please advise if the protective concrete layer is casted in advance of the trackwork or not.	<i>The protective concrete is a scope of Bidder and casted in advance of the trackwork.</i>
S-05	3	Volume 3, Section 8	PCC 11	PCC 4.6	Co-operation At the end of final Paragraph, add the following: "The Contractor shall obtain the information in respect of plinths, block-outs, holes, hooks, and other instruments required for the installation and testing of E&M system from CP NS-01 Contractor [E&M Systems and Track Works] to reflect in working / shop drawings which will be prepared by the Contractor."	Based on the reference text, it is the Bidder's understanding that the Bidder (i.e., the contractor) will need to prepare working / shop drawings based on the information provided from from CP NS-01 Contractor. The Bidder kindly requests the Client to provide when the Bidder is expected to receive such information from CP NS-01 Contractor, if the CP NS-01 Contractor has been selected. If it is not the case, the Bidder was wondering if the Client could share such information as of today so that the Bidder could reflect such information as a part of the proposal.	<i>The Bidder is advised to refer to the General Specifications, Section GS126-Interface Management, Coordination and Communication. In addition, Please also refer to the General Specifications Appendix 4-Coordination.</i>
S-05	3	Volume 3, Section 8	PCC 7	SUMMARY OF KEY DATES	-	According to KD 02 appeared in the table, KD 02 require a minimum and continuous length of certain meters on the viaduct. The Bidder was wondering if the Client could eliminate the word 'continuous' from the KD 02.	<i>Please refer to the revised wording in Addendum 3.</i>

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S-05	2	Volume 2 TS-500_Annex A	13	507.1.1 / Method of Measurement	507.1.1 Method of Measurement 2) Warranty certificate against factory defects on the equipment and defects in installation workmanship, including repair or replacement of the components that fail, for five (5) years from Date of Substantial Completion of the Work, with written approval from the Engineer.	The referred technical specification indicates that the warranty periods are five (5) years. However, "GS 128 DEFECTS LIABILITY" and "Particular Conditions PCC, Part A – Contract Data" indicate that the Contractor shall be responsible for 365 days for the warranty period. After terminated DNP (365 days), Client will contact the subcontractors directly that submitted Warranty certificate gaurantees as indicated in this specification and that the subcontractors shall be responsible for remaining Warranty certificate periods. Please clarify the exact warranty period associated with 507.1.1.	<i>Please refer to revised GS Clause 128.1 in Addendum 3.</i>
S-05	2	Volume 2 TS-500, TS-500_Annex A	166, AnnexA-20	514.1.8 / Warranty, 514.1.1 / Method of Measurement	514.1.8 Warranty 1) Manufacturer's Warranty: Provide manufacturer's standard warranty document executed by authorized company official; warranty period: ten (10) years commencing on Date of Substantial Completion; 2) Installer's Warranty: Provide warranty signed by installer as follows: a) Installer warrants that, upon completion of the work, surfaces treated with waterproofing will remain free of water leakage resulting from defective workmanship or materials for a period of Ten (10) years from Date of Substantial Completion; 514.1.1 Method of Measurement e) Warranty certificate against factory defects on the material and defects in installation workmanship, including repair or replacement, for ten (10) years from Date of Substantial Completion, with written approval from the Engineer	The referred specification indicates that the warranty periods are ten (10) years. However, "GS 128 DEFECTS LIABILITY" and "Particular Conditions PCC, Part A – Contract Data" indicate that the Contractor shall be responsible for 365 days for the warranty period. After termination of DNP (365 days), Client will contact the subcontractors directly that submitted Warranty certificate gaurantees as indicated in this specification and that the subcontractors shall be responsible for remaining Warranty certificate periods. Please clarify the exact warranty period associated with 514.1.8.	<i>Please refer to revised GS Clause 128.1 in Addendum 3.</i>
S-05	2	Volume 2 TS-500, TS-500_Annex A	249, AnnexA-29	523.2.5 / Warranty, 523.1.1 / Method of Measurement	523.2.5 Warranty All materials supplied and installed or erected shall be in accordance with this specification and shall be guaranteed against water leakage and discoloration of membrane faulty materials and workmanship for ten (10) years. 523.1.1 Method of Measurement e) Warranty certificate against factory defects on the material and defects in installation workmanship, including repair or replacement of the components that fail (i.e. leakage or discoloration), for ten (10) years from Date of Substantial Completion, with written approval from the Engineer	The referred specification indicates that the warranty periods are ten (10) years. However, "GS 128 DEFECTS LIABILITY" and "Particular Conditions PCC, Part A – Contract Data" indicate that the Contractor shall be responsible for 365 days for the warranty period. After terminated DNP (365 days), Client will contact the subcontractors directly that submitted Warranty certificate gaurantees as indicated in this specification and that the subcontractors shall be responsible for remaining Warranty certificate periods. Please clarify the exact warranty period associated with 523.2.5.	<i>Please refer to revised GS Clause 128.1 in Addendum 3.</i>

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S-05	2	Volume 2 TS-500, TS-500_Annex A	280, AnnexA-34	528.1.11 / Warranty, 528.1.1 / Method of Measurement	<p>532.1.7 Warranty 1) Manufacturer's Warranty: Submit, for Employer's acceptance, manufacturer's standard warranty document executed by an authorized company official. 2) Warranty period: minimum one year parts and labor, not including scaffolding, lifts, or other means to reach the inaccessible areas. 3) Motors and motor control systems: Manufacturer's standard non-depreciating five (5)-year warranty. (Note: Refer to manufacturer's product data and /or consult with manufacturer's representative for warranty information/ requirements.)</p> <p>528.1.1 Method of Measurement 7) Warranty certificate against factory defects on the materials and defects in installation workmanship, including repair or replacement of the defective work / material, for five (5) years from Date of Substantial Completion, with written approval from the Engineer</p>	<p>The referred specification indicates that the warranty periods are ten (10) years. However, "GS 128 DEFECTS LIABILITY" and "Particular Conditions PCC, Part A – Contract Data" indicate that the Contractor shall be responsible for 365 days for the warranty period. After terminated DNP (365 days), Client will contact the subcontractors directly that submitted Warranty certificate gaurantees as indicated in this specification and that the subcontractors shall be responsible for remaining Warranty certificate periods.</p> <p>Please clarify the exact warranty period associated with 528.1.1.</p>	<p><i>Please refer to revised GS Clause 128.1 in Addendum 3.</i></p>
S-05	2	Volume 2 TS-500, TS-500_Annex A	311, AnnexA-38	532.1.17 / Warranty, 532.1.1 / Method of Measurement	<p>532.1.7 Warranty 1) Manufacturer's Warranty: Submit, for Employer's acceptance, manufacturer's standard warranty document executed by an authorized company official. 2) Warranty period: minimum one year parts and labor, not including scaffolding, lifts, or other means to reach the inaccessible areas. 3) Motors and motor control systems: Manufacturer's standard non-depreciating five (5)-year warranty. (Note: Refer to manufacturer's product data and /or consult with manufacturer's representative for warranty information/ requirements.)</p> <p>532.1.1 Method of Measurement 7) Warranty certificate against factory defects on the materials and defects in installation workmanship, including repair or replacement of the defective work / material, for five (5) years from Date of Substantial Completion, with written approval from the Engineer</p>	<p>The referred specification indicates that the warranty periods are five (5) years. However, "GS 128 DEFECTS LIABILITY" and "Particular Conditions PCC, Part A – Contract Data" indicate that the Contractor shall be responsible for 365 days for the warranty period. After terminated DNP (365 days), Client will contact the subcontractors directly that submitted Warranty certificate gaurantees as indicated in this specification and that and then the subcontractors shall be responsible for remaining Warranty certificate periods.</p> <p>Please clarify the exact warranty period associated with 532.1.17.</p>	<p><i>Please refer to revised GS Clause 128.1 in Addendum 3.</i></p>

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S-05	2	Volume 2 TS-500_Annex A	AnnexA-42	536.1.1 / Method of Measurement	536.1.1 Method of Measurement f) Warranty certificate against factory defects on the materials and defects in installation workmanship, including repair or replacement of the defective work / material, for ten (10) years from Date of Substantial Completion, with written approval from the Engineer	The referred specification indicates that the warranty periods are ten (10) years. However, "GS 128 DEFECTS LIABILITY" and "Particular Conditions PCC, Part A – Contract Data" indicate that the Contractor shall be responsible for 365 days for the warranty period. After terminated DNP (365 days), Client will contact the subcontractors directly that submitted Warranty certificate gaurantees as indicated in this specification and that the subcontractors shall be responsible for remaining Warranty certificate periods. Please clarify the exact warranty period associated with 536.1.1.	<i>Please refer to revised GS Clause 128.1 in Addendum 3.</i>
S-05	2	Volume 2 TS-500_Annex A	AnnexA-43	537.1.1 / Method of Measurement	537.1.1 Method of Measurement 4) Warranty certificate against factory defects on the materials and defects in installation workmanship, including repair or replacement of the defective work / material, for ten (10) years from Date of Substantial Completion, with written approval from the Engineer	The referred specification indicates that the warranty periods are ten (10) years. However, "GS 128 DEFECTS LIABILITY" and "Particular Conditions PCC, Part A – Contract Data" indicate that the Contractor shall be responsible for 365 days for the warranty period. After terminated DNP (365 days), Client will contact the subcontractors directly that submitted Warranty certificate gaurantees as indicated in this specification and that the subcontractors shall be responsible for remaining Warranty certificate periods. Please clarify the exact warranty period associated with 537.1.1.	<i>Please refer to revised GS Clause 128.1 in Addendum 3.</i>
S-05	2	Volume 2 TS-500_Annex A	AnnexA-55	549.1.1 / Method of Measurement	549.1.1 Method of Measurement a) Warranty certificate against factory defects on the materials and defects in installation workmanship, including repair or replacement of the defective work / material, for ten (10) years from Date of Substantial Completion, with written approval from the Engineer	The referred specification indicates that the warranty periods are ten (10) years. However, "GS 128 DEFECTS LIABILITY" and "Particular Conditions PCC, Part A – Contract Data" indicate that the Contractor shall be responsible for 365 days for the warranty period. After terminated DNP (365 days), Client will contact the subcontractors directly that submitted Warranty certificate gaurantees as indicated in this specification and that the subcontractors shall be responsible for remaining Warranty certificate periods. Please clarify the exact warranty period associated with 549.1.1.	<i>Please refer to revised GS Clause 128.1 in Addendum 3.</i>
S-05	2	Volume 2, Specification TS 500	-	557.1	The works in this section specifies the requirements for the design, supply, installation and maintenance of electro-hydraulic elevators.	VVVF MRL type elevators are specified on the drawing. However, TS 557 is associated with electro-hydraulic type elevators. Please provide the specification relevant to VVVF MRL type elevators.	<i>VVVF MRL type elevators are specified and there is no hydraulic type used in the project. Please refer to revised TS500 in Addendum 3.</i>

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S-05	2	Volume 2, Drawing	-	NSRP-DWG-BIN-AR-3566		Please confirm that MELCO (*Mitsubishi Electric Corporation) standard is compulsorily applied to Escalators as well as Elevators.	<i>The Bidder is advised that the Elevators and Escalators shall be in accordance with the provisions as set forth in the Technical Specifications, TS 500, Section 557-Elevators and Section 558 -Escalators in conjunction with the Drawings, the BOQ and other related Contract Documents.</i>
S-05	2	Volume 2, Specification TS 500	-	558.3.1	Theoretical transport capacity 9000 persons/hour	Please confirm that Escalator shall meet the requirement in terms of transport capacity 9000 persons/hour with 1000mm step width.	<i>The Bidder is advised to refer to the Technical Specifications. Escalators shall be in accordance with the provisions as set forth in the Technical Specifications, TS 500, Section 558 -Escalators in conjunction with the Drawings, BOQ and other related Contract Documents.</i>
S-05	2	Volume 2, Specification TS 700	-	715.3	A standby power pack shall be provided capable of operating the CCTV system continuously for eight (8) hours minimum without recharging.	Although both drawings and BOQ specifies 2 hours UPS for CCTV system, TS700 specifies eight (8) hours operation minimum without recharging. Please clarify this discrepancy in between.	<i>The BOQ shall be revised to descope CCTV System related Work Items. CCTV System shall be covered by the E&M Contractor or "By Others". Updated BOQ shall be revised as Addendum 3.</i>
S-05	-	TS 700 Annex A	-	707.1.1	CONDUIT AND CABLE TRAYS Painting where specified on the Drawing	Painting for conduit and cable trays is mentioned on TS 700A. However, painting is not specified on drawings. Please clarify if the painting work belongs to the Bidder or not.	<i>Painting for conduit and cable trays is mentioned on TS 700A. The painting works are part of the bidder's works.</i>
S-05	2	Volume 2, Specification TS 700	-	713.2.8 713.2.14	The BMS supplier/constructor shall assume full responsibility for the design, engineering selection of devices, installation and turn-over of the system and guarantee is satisfactory/performance as described herein. Central software includes Operating System. Data Base Management, Communication Control, Operator Interface, Scheduler, Time and Event Programs and Energy Management. BMS Software – shall determine how the interaction takes place, data is displayed, printer output is formatted. Software shall run on PC-based operating systems and shall use a graphical user interface (GUI).	The Bidder understands that BMS will be designed by E&M system contractor (i.e., others) since it controls and intergrates all facilities in SCRP buildings. Please confirm that the Bidder (i.e., Civil contractor) is only responsible for items specified in BOQ/Drawing while all works relevant to TS 700 such as design, engineering, main equipment and software will be carried out by E&M system contractor (i.e., others).	<i>No. BMS is a supply design and install work. As stated in the drawing notes, Vendor to verify all necessary components, equipment, devices, accessories & interfaces in their shop drawing design and ensure system compatibility based. On jobsite condition, manufacturer recommendation and applicable standards and regulations, required tests, analysis and/or simulation and by performing required functional and integration test during testing and commissioning stage. Its a collaborative work between E&M contractor and the bidder.</i>

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S-05	1	Volume 1, Part IA, Section 4A BOQ Volume 2, Drawing	-	-	-	In terms of quantities, there are several discrepancies between BOQ and Drawings. For example, quantities of cables, wires, conduits and trays do not match in between BoQ and the drawing. Please advise if the Bidder shall consider additional cost in BOQ provided to the Bidder without revising quantities. (For example, cables in BOQ is 100m, but shown to be 150m in the drawing. In this case the Bidder takes price associated with 150m-long cable and plug in BOQ instead of keeping the price associated with 100m-long cable)	<i>The BOQ shall be revised for the appropriate work item descriptions and quantities based from the drawings. Updated/revised BOQ shall be issued as Addendum 3.</i>
S-05	1	Volume 1, Part IA, Section 4A BOQ Volume 2, Drawing	-	-	-	In terms of capacity, there are several discrepancies between BOQ and Drawings. For example, capacity of generator (250kVA and 313kVA) and ATS (800AT and 225AT) are different in between the BoQ and the drawing. Please confirm which one is correct.	<i>The BOQ shall be revised for the appropriate work item descriptions (such as capacities) based from the drawings. Updated/revised BOQ shall be issued as Addendum 3.</i>
S-05	2	Volume 2, Specification TS 500	-	557, 558	-	Please advise whether the Bidder shall include Elevator & Escalator Monitoring & Control system for each station.	<i>The contractor shall be responsible for the full integration of the elevator control and monitoring system with SCADA including all necessary, writing, termination and connection. For further details, refer TS 557.2.8 (Controller) Item (10).</i>
S-05	2	Volume 2, Specification TS 700	-	NSRP-DWG-BIN-EL-5801/5803 715.1.1	The CCTV/Surveillance system shall operate as a completely supervised Closed Circuit Television System integrated to Building Management System (BMS).	According to specification, CCTV system is required to intergrate with BMS. However CCTV system is connected to Security company directly on drawing and BMS diagram does not include CCTV system. Please clarify.	<i>TS 700, BoQ and drawings were already corrected under Addendum 3.</i>
S-05	2	Volume 2, Drawing	-	NSRP-DWG-BIN-EL-5011	-	Although the PCS part is shown to be the part of future work scope on the drawing, there is an item associated with the PCS part. The bidder was wondering if the PCS part is within the Bidder's SoW.	<i>PCS is not part of the Bidder's scope of work. Any future works shall be designed and coordinated by DOTr.</i>
S-05	2	Volume 2, drawing	-	-	-	1. Please kindly provide the Bidder with the size of wall mounted fans (for all stations). 2. Please provide the Bidder with the dimension of motorized fire damper/fire damper attached to the wall mounted exhaust fan (for all station) as stated in the reference image.	<i>Equipment & duct accessories sizes are indicative, to follow final approved equipment. Initial selected dimension is 500x500 (wall-mounted fan & MD/FD).</i>
S-05	-	General	-	-	-	Please provide the Bidder with the grease trap material and capacity.	<i>All stations shall be designed as stainless grease trap material</i>
S-05	-	General	-	-	-	Please provide the specification of the material to be used in water tank pipe lines.	<i>Please refer to revised TS607.2.3 in Addendum 3.</i>

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S-05	2	Volume 2, drawing	-	NSRP-DWG-BIN-PL-5828	-	Please provide the specification of the material to be used for 500 drain pipe connected to drain water tank.	<i>PVC Series 1000. Please refer to revised TS607.2.2 in Addendum 3.</i>
S-05	2	Volume 2, drawing	-	NSRP-DWG-BIN-SN-6106 NSRP-DWG-PTA-SN-6104	-	Please provide the specification of the material to be used for 1500 drain pipe on ground level at Binan station (gridline A-D, 6-7), and Pacita station (gridline A-C, 4-6).	<i>PVC Series 1000. Please refer to revised TS607.2.2 in Addendum 3.</i>
S-05	2	Volume 2, drawing	-	NSRP-DWG-SPO-SN-6108	-	Please provide the layout of collector pipe line for 500 WS from concourse level to ground level for San Pedro station (gridline A,2; A,7; A,18; F,2; F,5; F,7; F,13).	<i>Please refer to updated drawing NSRP-DWG-SPO-SN-6104 Rev 21.2.</i>
S-05	1	Volume 1, Part IA, Section 4A BOQ. Volume 2, Specification TS 600	-	607.2.2 Polyvinyl Chloride Pipe and Fittings	1) Polyvinyl chloride pipes and fittings shall be used for: a) Soil, waste, vents and drain pipe and fittings and downspouts	For the pipe material used in Rainwater line downspout, the Bidder has found the discrepancy in between the general notes with BOQ (i.e., refers to Stainless steel) and the technical specification (i.e., refers to PVC). Please clarify which one the Bidder must follow.	<i>Please refer to updated TS 607.2.1 and TS 607.2.2.</i>
S-05	2	Volume 2, drawing	-	NSRP-DWG-BIN-SN-6106	-	Please confirm the specification of the material to be used for 2500 drain pipe at ground level connected to rainwater line downspout if stainless steel or PVC (for all station).	<i>Please refer to updated TS 607.2.1.</i>
S-05	2	Volume 2, Drawing	-	NSRP-DWG-BIN-ME-5608	-	Please indicate the size of the FD connected to EF-13.	<i>This is indicative, to follow final approved equipment. Initial selected dimension is 500x500.</i>
S-05	2	Volume 2, Drawing	-	NSRP-DWG-SRO-ME-5616	-	Please provide size of exhaust air grille serving EF-04	<i>The size of exhaust air grille serving EF-04 shall refer to drawing Rev. 21.3.</i>
S-05	-	General	-	-	-	Please provide the cut-in pressure of Jockey pump for both San Pedro & Sta Rosa station.	<i>Please refer to NSRP-DWG-SPO-FS-6631 REV 21.3 Bidder is advised that Sta Rosa, drawing will be submitted in Addendum 4.</i>
S-05	-	General	-	-	-	The bidder would like the client to kindly request the provision of the layout/plan of automation system for each station.	<i>Automation system is scope of work of contractor with BMS specialist in coordination with E&M contractor for interface works.</i>

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S-06	2	Volume 2, Section 6, II Drawings	-	NSRP-DWG-VIA00-ST-0062	-	<p>According to Drawing No. NSRP-DWG-VIA00-ST-0062, a trackwork contractor (CP-NS-01) will construct the tracks to be built on the girder. In connection with this, the Bidder was wondering if the Bidder (i.e., Civil Contractor) would need to install the protective concrete layer on the girder. Please clarify.</p> <p>In addition, if the protective concrete layer is within the scope of work to be completed by the Civil Contractor, please advise if the protective concrete layer is casted in advance of the trackwork or not.</p>	<i>The protective concrete is a scope of Bidder and casted in advance of the trackwork.</i>
S-06	3	Volume 3, Section 8	PCC 11	PCC 4.6	<p>Co-operation At the end of final Paragraph, add the following: "The Contractor shall obtain the information in respect of plinths, block-outs, holes, hooks, and other instruments required for the installation and testing of E&M system from CP NS-01 Contractor [E&M Systems and Track Works] to reflect in working / shop drawings which will be prepared by the Contractor."</p>	<p>Based on the reference text, it is the Bidder's understanding that the Bidder (i.e., the contractor) will need to prepare working / shop drawings based on the information provided from CP NS-01 Contractor.</p> <p>The Bidder kindly requests the Client to provide when the Bidder is expected to receive such information from CP NS-01 Contractor, if the CP NS-01 Contractor has been selected. If it is not the case, the Bidder was wondering if the Client could share such information as of today so that the Bidder could reflect such information as a part of the proposal.</p>	<i>The Bidder is advised to refer to the General Specifications, Section GS126-Interface Management, Coordination and Communication. In addition, Please also refer to the General Specifications Appendix 4-Coordination.</i>
S-06	3	Volume 3, Section 8	PCC 7	SUMMARY OF KEY DATES	-	<p>According to KD 02 appeared in the table, KD 02 require a minimum and continuous length of certain meters on the viaduct.</p> <p>The Bidder was wondering if the Client could eliminate the word 'continuous' from the KD 02.</p>	<i>The meaning of "continuous" is minimum length with 500m. Please refer to the update in Addendum 3.</i>
S-06	2	Volume 2 TS-500_Annex A	13	507.1.1 / Method of Measurement	<p>507.1.1 Method of Measurement 2) Warranty certificate against factory defects on the equipment and defects in installation workmanship, including repair or replacement of the components that fail, for five (5) years from Date of Substantial Completion of the Work, with written approval from the Engineer.</p>	<p>The referred technical specification indicates that the warranty periods are five (5) years. However, "GS 128 DEFECTS LIABILITY" and "Particular Conditions PCC, Part A – Contract Data" indicate that the Contractor shall be responsible for 365 days for the warranty period. After terminated DNP (365 days), Client will contact the subcontractors directly that submitted Warranty certificate gaurantees as indicated in this specification and that the subcontractors shall be responsible for remaining Warranty certificate periods.</p> <p>Please clarify the exact warranty period associated with 507.1.1.</p>	<i>Please refer to revised GS Clause 128.1 in Addendum 3.</i>

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S-06	2	Volume 2 TS-500, TS-500_Annex A	166, AnnexA-20	514.1.8 / Warranty, 514.1.1 / Method of Measurement	<p>514.1.8 Warranty 1) Manufacturer's Warranty: Provide manufacturer's standard warranty document executed by authorized company official; warranty period: ten (10) years commencing on Date of Substantial Completion; 2) Installer's Warranty: Provide warranty signed by installer as follows: a) Installer warrants that, upon completion of the work, surfaces treated with waterproofing will remain free of water leakage resulting from defective workmanship or materials for a period of Ten (10) years from Date of Substantial Completion;</p> <p>514.1.1 Method of Measurement e) Warranty certificate against factory defects on the material and defects in installation workmanship, including repair or replacement, for ten (10) years from Date of Substantial Completion, with written approval from the Engineer</p>	<p>The referred specification indicates that the warranty periods are ten (10) years. However, "GS 128 DEFECTS LIABILITY" and "Particular Conditions PCC, Part A – Contract Data" indicate that the Contractor shall be responsible for 365 days for the warranty period. After termination of DNP (365 days), Client will contact the subcontractors directly that submitted Warranty certificate gaurantees as indicated in this specification and that the subcontractors shall be responsible for remaining Warranty certificate periods.</p> <p>Please clarify the exact warranty period associated with 514.1.8.</p>	<p><i>Please refer to revised GS Clause 128.1 in Addendum 3.</i></p>
S-06	2	Volume 2 TS-500, TS-500_Annex A	249, AnnexA-29	523.2.5 / Warranty, 523.1.1 / Method of Measurement	<p>523.2.5 Warranty All materials supplied and installed or erected shall be in accordance with this specification and shall be guaranteed against water leakage and discoloration of membrane faulty materials and workmanship for ten (10) years.</p> <p>523.1.1 Method of Measurement c) Warranty certificate against factory defects on the material and defects in installation workmanship, including repair or replacement of the components that fail (i.e. leakage or discoloration), for ten (10) years from Date of Substantial Completion, with written approval from the Engineer</p>	<p>The referred specification indicates that the warranty periods are ten (10) years. However, "GS 128 DEFECTS LIABILITY" and "Particular Conditions PCC, Part A – Contract Data" indicate that the Contractor shall be responsible for 365 days for the warranty period. After terminated DNP (365 days), Client will contact the subcontractors directly that submitted Warranty certificate gaurantees as indicated in this specification and that the subcontractors shall be responsible for remaining Warranty certificate periods.</p> <p>Please clarify the exact warranty period associated with 523.2.5.</p>	<p><i>Please refer to revised GS Clause 128.1 in Addendum 3.</i></p>

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S-06	2	Volume 2 TS-500, TS-500_Annex A	280, AnnexA-34	528.1.11 / Warranty, 528.1.1 / Method of Measurement	532.1.7 Warranty 1) Manufacturer's Warranty: Submit, for Employer's acceptance, manufacturer's standard warranty document executed by an authorized company official. 2) Warranty period: minimum one year parts and labor, not including scaffolding, lifts, or other means to reach the inaccessible areas. 3) Motors and motor control systems: Manufacturer's standard non-depreciating five (5)-year warranty. (Note: Refer to manufacturer's product data and /or consult with manufacturer's representative for warranty information/ requirements.) 528.1.1 Method of Measurement 7) Warranty certificate against factory defects on the materials and defects in installation workmanship, including repair or replacement of the defective work / material, for five (5) years from Date of Substantial Completion, with written approval from the Engineer	The referred specification indicates that the warranty periods are ten (10) years. However, "GS 128 DEFECTS LIABILITY" and "Particular Conditions PCC, Part A – Contract Data" indicate that the Contractor shall be responsible for 365 days for the warranty period. After terminated DNP (365 days), Client will contact the subcontractors directly that submitted Warranty certificate gaurantees as indicated in this specification and that the subcontractors shall be responsible for remaining Warranty certificate periods. Please clarify the exact warranty period associated with 528.1.1.	<i>Please refer to revised GS Clause 128.1 in Addendum 3.</i>
S-06	2	Volume 2, Specification TS 500	-	557.1	The works in this section specifies the requirements for the design, supply, installation and maintenance of electro-hydraulic elevators.	VVVF MRL type elevators are specified on the drawing. However, TS 557 is associated with electro-hydraulic type elevators. Please provide the specification relevant to VVVF MRL type elevators.	<i>VVVF MRL type elevators are specified. There is no hydraulic type used in the project. Please refer to revised TS500 in addendum 3.</i>
S-06	2	Volume 2, Drawing	-	NSRP-DWG-BIN-AR- 3566		Please confirm that MELCO (*Mitsubishi Electric Corporation) standard is compulsorily applied to Escalators as well as Elevators.	<i>Not Mandatory. As long as the supplier can meet the required elevator and escalator specs, that would be acceptable but subject to approval of the Designer.</i>
S-06	2	Volume 2, Specification TS 500	-	558.3.1	Theoretical transport capacity 9000 persons/hour	Please confirm that Escalator shall meet the requirement in terms of transport capacity 9000 persons/hour with 1000mm step width.	<i>It is confirmed that the escalator's transport capacity is at 9000 persons/hour with 1000mm step width.</i>
S-06	2	Volume 2, Specification TS 700	-	701.1.2	Provide raceway systems for future system wide contractors as indicated.	Raceway systems for SWC is specified on neither Drawings nor BOQ. Please confirm this system is excluded from the Bidder's SoW.	<i>Excluded from the Bidder's SOW.</i>
S-06	-	TS 700 Annex A	-	707.1.1	CONDUIT AND CABLE TRAYS Painting where specified on the Drawing	Painting for conduit and cable trays is mentioned on TS 700A. However, painting is not specified on drawings. Please clarify if the painting work belongs to the Bidder or not.	<i>Painting for conduit and cable trays is mentioned on TS 700A. The painting works are part of the bidder's works.</i>

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S-06	2	Volume 2, Drawing Specification TS 700	-	NSRP-DWG-BIN-EL-5801/5802 713.2.7 1)~3)	STATION BMS DIAGRAM/ BMS INPUT/OUTPUT LIST Provide Building Management System necessary for the construction of the project as specified. Such work includes, but is not limited to the following including hardware, power supply, communication interphase software and all required accessories.	Requirements in TS 713.2.7 1)~3) are much more complicated than BMS schematic diagram drawings. Please advise which one prevail out of TS and the drawing. And kindly provide responsibility matrix for BMS between the Bidder (i.e., Civil contractor) and others (e.g., E&M system contractor) so that the Bidder clearly understand the Bidder's SoW for hardware, software, device and testing.	<i>BMS is a supply, design and install work. As stated in the drawing notes, Vendor to verify all necessary components, equipment, devices, accessories & interfaces in their shop drawing design and ensure system compatibility based. On jobsite condition, manufacturer recommendation and applicable standards and regulations, required tests, analysis and/or simulation and by performing required functional and integration test during testing and commissioning stage. Its a collaborative work between E&M contractor and the bidder. TS will govern. Drawings represent the input/output list for the BMS specialist to provide detail design, supply and install work.</i>
S-06	2	Volume 2, Specification TS 700	-	713.2.8 713.2.14	The BMS supplier/constructor shall assume full responsibility for the design, engineering selection of devices, installation and turn-over of the system and guarantee is satisfactory/performance as described herein. Central software includes Operating System. Data Base Management, Communication Control, Operator Interface, Scheduler, Time and Event Programs and Energy Management. BMS Software – shall determine how the interaction takes place, data is displayed, printer output is formatted. Software shall run on PC-based operating systems and shall use a graphical user interface (GUI).	The Bidder understands that BMS will be designed by E&M system contractor (i.e., others) since it controls and intergrates all facilities in SCRP buildings. Please confirm that the Bidder (i.e., Civil contractor) is only responsible for items specified in BOQ/Drawing while all works relevant to TS 700 such as design, engineering, main equipment and software will be carried out by E&M system contractor (i.e., others).	<i>TS will govern. BMS is under the scope of work of a BMS specialist which is included in the scope of work of the bidder.</i>
S-06	2	Volume 2, Specification TS 500	-	557, 558	-	Please advise whether the Bidder shall include Elevator & Escalator Monitoring & Control system for each station.	<i>The Contractor shall be responsible for the full integration of the elevator control and monitoring system with SCADA including all necessary, writing, termination and connection. For further details, refer to TS 557.2.8 (Controller) Item (10).</i>
S-06	2	Volume 2, Specification TS 700	-	NSRP-DWG-BIN-EL-5801/5803 715.1.1	The CCTV/Surveillance system shall operate as a completely supervised Closed Circuit Television System integrated to Building Management System (BMS).	According to specification, CCTV system is required to intergrate with BMS. However CCTV system is connected to Security company directly on drawing and BMS diagram does not include CCTV system. Please clarify.	<i>TS700, BoQ, and Drawings have been revised under Addendum 3. CCTV System is the scope of work of CP NS-01: E&M Systems & Track Works.</i>

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S-06	2	Volume 2, Drawing	-	NSRP-DWG-BIN-EL-5011	-	Although the PCS part is shown to be the part of future work scope on the drawing, there is an item associated with the PCS part. The bidder was wondering if the PCS part is within the Bidder's SoW.	<i>PCS is scope by others (future works). Bidder's scope will only be the roughing-ins but the cables are excluded from the scope of work of the bidder.</i>
S-06	2	Volume 2, drawing	-	-	-	1. Please kindly provide the Bidder with the size of wall mounted fans (for all stations). 2. Please provide the Bidder with the dimension of motorized fire damper/fire damper attached to the wall mounted exhaust fan (for all station) as stated in the reference image.	<i>Equipment & duct accessories sizes are indicative, to follow final approved equipment. The initial selected dimension is 500x500 (wall-mounted fan & MD/FD).</i>
S-06	-	General	-	-	-	Please provide the Bidder with the grease trap material and capacity.	<i>All stations shall have stainless steel grease traps.</i>
S-06	-	General	-	-	-	Please provide the specification of the material to be used in water tank pipe lines.	<i>PPR PN 20. Bidder is advised to refer to the updated TS 607.2.3 in Addendum 3</i>
S-06	2	Volume 2, drawing	-	NSRP-DWG-BIN-PL-5828	-	Please provide the specification of the material to be used for 500Ø drain pipe connected to drain water tank.	<i>PVC Series 1000. Bidder is advised to refer to the updated TS 607.2.2 in Addendum 3.</i>
S-06	2	Volume 2, drawing	-	NSRP-DWG-BIN-SN-6106 NSRP-DWG-PTA-SN-6104	-	Please provide the specification of the material to be used for 150Ø drain pipe on ground level at Binan station (gridline A-D, 6-7), and Pacita station (gridline A-C, 4-6).	<i>PVC Series 1000. Bidder is advised to updated TS 607.2.2. in Addendum 3.</i>
S-06	2	Volume 2, drawing	-	NSRP-DWG-BIN-SN-6106	-	Please confirm the specification of the material to be used for 250Ø drain pipe at ground level connected to rainwater line downspout if stainless steel or PVC (for all station).	<i>Heavy Duty Stainless Steel Pipe Gauge 24 Type 316. Bidder is advised to refer to updated TS 607.2.1. in Addendum 3.</i>
S-06	2	Volume 2, drawing	-	-	-	Please confirm if the Bidder considers a scupper drain per downspout at platform level as indicated at blow up detail.	<i>Scupper Drain is only for DS-41 to DS-48 as these are on the Emergency Staircase roof deck. Please refer to NSRP-DWG-CAB-SN-6110, NSRP-DWG-BAN-SN-6110 & NSRP-DWG-CAL-SN-6110 Rev 21.3.</i>
S-06	2	Volume 2, Drawing	-	NSRP-DWG-BIN-ME-5608	-	Please indicate the size of the FD connected to EF-13.	<i>This is indicative, to follow final approved equipment. Initial selected dimension is 500x500.</i>
S-06	2	Volume 2, Drawing	-	NSRP-DWG-SRO-ME-5616	-	Please provide size of exhaust air grille serving EF-04	<i>The size of exhaust air grille serving EF-04 will be added under rev. 21.3 in Addendum 4.</i>

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S-06	-	General	-	-	-	Please provide the cut-in pressure of Jockey pump for both San Pedro & Sta Rosa station.	<i>Jockey Pump cut-in pressure is 100psi for San Pedro and Sta. Rosa Station. Please refer to NSRP-DWG-SPO-FS-6631 REV 21.3 in Addendum 3. For Sta Rosa, drawing will be submitted on in Addendum 4.</i>
S-06	-	General	-	-	-	The bidder would like the client to kindly request the provision of the layout/plan of automation system for each station.	<i>Automation system is under BMS specialist scope of work. BMS is a design, supply and install work. This is a bidder scope of work with a BMS specialist.</i>
S-07	1A	Volume 1A Sec 4A BOQ		Preamble	<p>2) This Contract is an admeasurement contract for the design (to the extent specified in the Contract), execution, completion and remedying any defect in the work of Civil works as specified in the Contract.</p> <p>3) The Bills of Quantities have been prepared by the Employer to provide a common and uniform basis for bidding. The quantities given therein are accurate and represent the work shown on the drawings, described in the Scope of Works and the Specification at the time of Bid Submission. The final quantities of the work to be carried out by the contractor in the fulfilment of his obligations under the Contract will be determined in accordance with Clause 12 of the GCC.</p> <p>6) The basis of payment will be the actual quantities of work ordered and carried out in conformity with the Employer's requirements and the Drawings, as measured by the Engineer and valued at the rates and prices in the priced Bills of Quantities, where applicable and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract</p>	<p>If the response in item 1, 2 & 3 is "yes", the contractor will be paid based on the actual quantities measured regardless if there are changes or not in the drawings. Therefore the ad measurement will be applied on the items with unit of no/sets/lm (with various scope of works per unit of item) or Lump sum items. The quantities to be measured are those items with changes only.</p> <p>If the response in item 1 & 2 is "no", the contractor should consider in his unit price the plus or minus in the quantities, and this contract is considered lump sum based on the given quantities in the BOQ.</p>	<i>1)The Contractor shall be paid based from the actual quantity of works accomplished in-place, as measured and accepted by the Engineer. However, in circumstances where the required quantity of work would be exceeding the quantity as per the tender BOQ, the contractor should immediately inform the Engineer and the Employer in writing and "No work in excess of the tender BOQ quantity should be performed without the knowledge and prior approval of the Engineer / Employer". 2)The Contractor's pricing should be based from the BOQ in conjunction with the drawings, technical specifications and other applicable provisions of the Contract Documents.</i>
S-07	-	-	3 of 5	NSCRP-DWG-WPH2-ST-4201	Waterproofing Membrane	<p>1. In TS 514.1.1 Elastomeric Waterproofing are for water tanks such as potable tanks, domestic and fire tanks, waste water tanks and swimming pool, Liquid Polyurethane waterproofing are for decks, balconies and roof slab.</p> <p>Query : Please confirm that Polyurethane Membrane System Waterproofing as per BOQ will be used in External Wall. If yes, Is there any requirements of waterproofing in the Internal Wall. If yes, please provide pay item</p>	<i>The Polyurethane Membrane System Waterproofing shall not be used on the External Walls. Refer to updated BoQ.</i>

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S-07	2	Bid Bulletin 11, Volume 2, 01_Spec-02 TS, Part 2 Sec IC TS 500 Architectural 20201216	TS 500 - 60	9) Roofing Works/Exterior Finishing	Skylight: Laminated Glass With Safety Wire Mech	Please verify conflict in Technical Specification. Which shall govern.	<i>Bidder is advised to refer to TS 500 revised in Addendum 3.</i>
S-07	2	Volume 2, 02_Book 2 (Architectural), 01 S07 Arch	NSRP-DWG-LRS-AR-3006	LRS Exterior Schedule Of Finishes	18mm Fire-Related Laminated (8+8mm) Double-Paned Tinted Glass With (2mm) Safety Film With PvdF Aluminum Frame With Heat Reflective Fill On Top	Please verify conflict in Technical Specification. Which shall govern.	<i>Bidder is advised to refer to TS 500 under Addendum 3.</i>
S-07	1A	Bid Bulletin 11, Volume 1A, Section 4A BOQ		Bill of Quantities 4-1.2 Light Repair Shop	BOQ - D528(1) Laminated Glass Panel on Powder Coated Aluminum Frame	Please verify conflict in Technical Specification. Which shall govern.	<i>BoQ pay item D528(1) to be revised, using 18mm Fire-Related Laminated (8+8mm) Double-Paned Tinted Glass with (2mm) Safety Film with PvdF Aluminum Frame with Heat-Reflective Fill On Top under Addendum 3.</i>
S-05	1	Volume 1 & Sec No 4	BF39	-	The Bidder's organization shall have an ISO 9001: 2015 accredited certificate issued by an Accredited Certification Body	ISO certified will be out of date on July 2021, is that okay because of the time is on the evaluation?	<i>The bidder shall be ISO certified as of date for submission. Renewal should take place according to its renewal date and will need to be done prior to award of contract.</i>
S-06	2	Volume 2 & Section 6 (II Drawings)	SS00-AR-3009 & 3015	-	Equipment Plinth	The followings are shown in the Floor Plan. - Battery and Charger - DC Switch Gear - AC/DC Low Voltage Panel - N.DS - Regeneration Controller → Please clarify whether they are required the Plinth. → If required, please provide the detail with BOQ.	<i>These equipment are supplied by E&M Team. This is to be verified with E&M during first phase of construction.</i>
S-06	2	Volume 2 & Section 6 (II Drawings)	BAN/CAB/CAL-AR-3202	-	-	In the Station Elevation drawings, there are two different shapes. The dots is the Aluminum cladding wall finish but gray hatch is not providing the finish. → Kindly advise.	<i>There is no difference between the two hatches. All exterior wall finishes shall be painted plaster with elastomeric paint and cladded by 4mm thk composite panel (ACP) Nano finish (Photocatalyst coating) with feve (fluorinated ethylene vinyl ether)/PVDF (Polivinyldene defluoride) coating on metal frames.</i>
S-06	2	Volume 2 & Section 6 (IC Technical Specifications)	TS-500-434	TS 500	554.3 Entrance Floor Mats and Frame	→ Kindly confirm that the same is not required.	<i>The Entrance Floor Mats and Frames are not covered by the Contractor's Scope Of Work.</i>
S-06	2	Volume 2 & Section 6 (IC Technical Specifications)	TS-500-439	TS 500	555 SIGNAGE	555.1.3 Specifications The relevant and applicable sections of the BNBC for sign are provided. → Kindly advise which items in the BoQ are Illuminated signs and Dynamic electronic information board with voice support.	<i>1) No items in the BOQ for the Illuminated Signs and Dynamic Electronic Information Board with Voice Support. 2) Please refer to TS 555.1.7. Illuminated signs are directional signs.</i>

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S-06	2	Volume 2 & Section 6 (IC Technical Specifications)	TS-500- 475	TS 500	562 WIRE NET FENCING	Kindly confirm that the wire net fencing is not under bidder's scope.	<i>The Wire Net Fencing is not covered by the Contractor's Scope Of Work.</i>
S-06	2	Volume 2 & Section 6 (II Drawings)	SS00-AR-3009 & 3015	-	300MMX300MM INTAKE AIR LOUVER	As per the drawings, the 300MMX300MM Intake Air Louver is applied on the wall in the section DWG however, there is missing in the elevation DWG and It is not measured in the BOQ → Kindly provide the item and position, quantity with specification.	<i>1)The BOQ shall be revised to include the 300mm x 300mm Air Intake Louver. Updated BOQ shall be issued as Addendum 3. 2)The intake air louver 300mm x 300mm L1 an L2 are included in updated BoQ dated 12 ar 2021 under Bills 6-1, 6-2, 6-3, 6-4 Pay item S527(1), S(527)2. Intake louver will be shown at sheet no. NSRP-DWG-SS00-AR-3010 & 3016. Need to add callouts on rev 21.3 in Addendum 3.</i>
S-06	2	Volume 2 & Section 6 (II Drawings)	SS00-AR-3009 & 3015	-	ANTI-STATIC VINYL SHEET FLOORING	As per the drawings, the Anti-Static Vinyl Sheet Flooring (verify) is applied on the Slab. However the same is not measured in the BOQ. → Kindly clarify whether it is required. If not, please confirm that only epoxy coating is required as per finish schedule.	<i>The Anti-Static Vinyl Sheet Flooring is not required in accordance with the drawing no. NSRP-DWG-SS00-AR-3005 Rev21 (Schedule of Finishes). Please refer to the Table "Interior Schedule of Finishes (Substation)" and see the Column for "Floor Finish".</i>
S-06	1A	Volume 1A & Section 4A	Bill No 6	Item 506	Hot Dip Galvanized Steel Grating Floor	→ Kindly provide the size and location of steel grating floor.	<i>Please disregard the response in column P. The Hot Dip Galvanized Steel Grating Floor is not shown or specified in the drawing, hence pay item S506(8) in substations were already deleted in the BoQ submitted in Addendum 3.</i>
S-06	-	-	-	Electrical	-	Please provide the location of ATS (Item No 718(1)a of Bill of Quantities No 4-1, 4-2 & 4-3) connecting DBISO and PCS for Cabuyao, Banlic and Calamba stations.	<i>Pay item 718(1)a --- ATS, 150, 3P+N is located in the Station Electrical Room at Ground Floor. This is ATS for DBISO. Please refer to drawing NSRP-DWG-CAB-EL-5900 rev 21.2. The ATS for PCS is not part of SOW (i.e. future works by Others).</i>
S-07	-	BOQ Drawing	-	Bill No.2 Part D Item 205(6)a NSRP-DWG-DEP-RD-1929	Forming anchor stopper	Is corrosion protection needed for the forming anchor and stopper? If yes, please provide type of corrosion protection to be applied.	<i>Forming anchor and stopper shall be galvanized steel. Additional note will be added to NSRP-DWG-DEP-RD-1929 to be issued as rev.21.3</i>

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S-07	-	BOQ	-	Bill No. 4-3.1	Softscape	Please nominate trees/shrubs etc. for BOQ items: · D563(1) - Over 10m High Tree planting · D563(2) - 6m ~ 10m High Tree · D563(3) - 3m ~ 6m High Tree planting · D563(4) - Under 3m High Tree planting · D563(5) - 1.5m Low Tree planting · D563(6) - Plant Pot including low height plant/0.3~0.8m high shrub · D563(9) - Self Standing Planting Wall for OCC	<i>Bidder is advised to refer to Addendum 3, Provisional Sums.</i>
S-07	1	Volume 1 1.3 CP S-07 Vol.1A Sec.4A BOQ Volume 2 Book 2 Specification & Drawings	-		Communication Works (TEL / DATA)	There is no Communication work information, such as TEL/DATA in Tender Document (BOQ, Drawing, Specification). Please clarify it is BY OTHER SCOPE or EXCLUDED in this CP S-07 Package. If it is included in the tender, please provide the necessary information with Scope of works.	<i>Communication Works for Tel/Data are part of the scope of work of the Railway System.</i>
S-05		Vol.2.1	TS 600 - 28 Page	601.1.6 (1) Testing and Commissioning	Commissioning shall be carried out by an independent commissioning contractor	According to this specification, the contractor shall employ a third party T&C contractors. There is no such phrase in the electrical part or in other parts, is it mandatory for third-party T&C contractors?	<i>Bidder to refer to the revised The TS600 provision in Addendum 4.</i>
S-05		Vol.2.1	TS 600 - 45 Page	604.2.1.1	The outdoor unit shall be capable of operating in heating mode down to -4°F ambient temperature or cooling mode down to 23°F ambient temperature, without additional low ambient controls	According to this specification, ambient temperature is -4°F (-20°C) for heating, 23°F (-5°C) for cooling. The annual minimum temperature in the Philippines is around 23°C. Please confirm the ambient temperature and whether heating is necessary.	<i>Bidder is advised that the winter season parameter has been updated. Refer to updated TS 600 in Addendum 4.</i>
S-06		Vol. 2.1	TS 600 - 28 Page	601.1.6 (1) Testing and Commissioning	Commissioning shall be carried out by an independent commissioning contractor	According to this specification, the contractor shall employ a third party T&C contractors. There is no such phrase in the electrical part or in other parts, is it mandatory for third-party T&C contractors?	<i>Bidder to refer to the revised The TS600 provision in Addendum 4.</i>
S-06		Vol. 2.1	TS 600 - 45 Page	604.2.1.1	The outdoor unit shall be capable of operating in heating mode down to -4°F ambient temperature or cooling mode down to 23°F ambient temperature, without additional low ambient controls	According to this specification, ambient temperature is -4°F (-20°C) for heating, 23°F (-5°C) for cooling. The annual minimum temperature in the Philippines is around 23°C. Please confirm the ambient temperature and whether heating is necessary.	<i>Bidder is advised that the winter season parameter has been updated. Refer to updated TS 600 in Addendum 4.</i>

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S-07		Vol. 2.2	NSRP-DWG-OCC-EL-5681	Fire Detection & Alarm System Schematic Diagram		<p>We need clarification showing fire alarm wiring schedule from FAAP to Horn/Call button on fire alarm schematic diagram as below.</p> <ul style="list-style-type: none"> - (Depot) D : 2-2.0mm² TW 20mmΦ EMT - (Station) C : 1.25mm² STP SFRC 20mmΦ IMC(NSRP-DWG-SPO-EL-5701) <p>Please confirm which cable schedule we have to consider it.</p>	<i>C : 1.25mm² STP SFRC 20mmΦ IMC is the size/type of cable to be used from FAAP to Horn/Call button. Refer to NSRP-DWG-OCC-EL-5681 rev.21.3 in Addendum 4</i>
S-07		Vol. 2.1	TS 600 - 28 Page	601.1.6 (1) Testing and Commissioning	Commissioning shall be carried out by an independent commissioning contractor	<p>According to this specification, the contractor shall employ a third party T&C contractors.</p> <p>There is no such phrase in the electrical part or in other parts, is it mandatory for third-party T&C contractors?</p>	<i>Bidder to refer to the revised The TS600 provision in Addendum 4.</i>
S-07		Vol. 2.1	TS 600 - 45 Page	604.2.1.1	The outdoor unit shall be capable of operating in heating mode down to -4°F ambient temperature or cooling mode down to 23°F ambient temperature, without additional low ambient controls	<p>According to this specification, ambient temperature is -4°F (-20°C) for heating, 23°F (-5°C) for cooling.</p> <p>The annual minimum temperature in the Philippines is around 23°C.</p> <p>Please confirm the ambient temperature and whether heating is necessary.</p>	<i>Bidder is advised that the winter season parameter has been updated. Refer to updated TS 600 in Addendum 4.</i>
S-07		Vol.1A Sec.4A BOQ 201001	Bill no.4-1.1 D548(7)	Fire Proofing (Intumescent Paint)		Cementious type fire proofing also can be applied for the steel buildings of depot area? (instead of paint type fire-proofing)	<i>During Bidding, the contractor is required to adhere to the specified Fireproofing (Intumescent Paint for Metal/Steel) for Item D548(7). Please also refer to the Technical Specifications, TS 500, and to the applicable provisions and clauses of Section 519-Intumescent Fireproofing.</i>
S-07		Vol.2Sec 6 - TS 500	210 519.1.9	Product - Description	~ fire protection of steelwork for two to four (2-4) hour fire ratings,~	I understand minimum 2-hours resistant fire-proofing should be applied on steel work. Please confirm.	<i>Yes. Confirmed</i>
S-07		Vol.1A Sec.4A BOQ 201001	Bill no.4-1.1 D547(2)	High-Performance Urethane Coating (Metal/Steel Painting)		<p>Please clarify that this item (Urethane coating on metal/steel) is top coat of fire proofing (urethane coating after fire proofing paint). Or fire-proofing paint work is following urethane coating?</p> <p>Please inform us the sequence of steel painting and fire-proofing.</p>	<i>Please refer to the Technical Specifications, TS 500. Fireproofing shall be in accordance with the applicable provisions of TS 500, Section 518-Fireproofing. In addition, Intumescent Fireproofing shall be in accordance with the applicable provisions of the TS 500, Section 519-Intumescent Fireproofing.</i>

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S-07				Vendor List		Is there any approved vendor list? (especially for furniture, fire-proofing paint, toilet fixtures, cladding, and so on) If so, please provide us the list.	<i>A vendor list will not be provided for Bidding as it is prohibited under Section 18 of Republic Act (R.A.) No. 9184, the Government Procurement Reform Act (GPRA) of 2003, and its 2016 Revised Implementing Rules and Regulations (RIRR).</i>
S-07		Vol.2 & 03_CP S-07_ Structure	NSRP-DWG-DEP-RD-1927, 1928 BOQ no,204 (5)a	NSRP-SOUTH DEPOT PRIMETER WALL, GRS Retaining Wall, TYPE 3 Low-strain pile integrity testing(Φ1000mm)		There is discrepancy between drawings and BOQ regarding the number of low-strain pile integrity testing which will be tested on every pile. If pile spacing for longitudinal section is 2.5m (Not L=@3.0m), we can calculate the exact same number of 848 nos. written in BOQ. Would you kindly clarify this discrepancy?	<i>Drawings to be modified showing 2.5m longitudinal spacing and shall be issued as Addendum No.4.</i>
S-06		Volume 1A Section 4A Volume 2 Section 6	No.4-1 Drawings-EL	NSRP-DWG-CAB-EL-5701[21.2], NSRP-DWG-CAB-EL-5702[21.2], NSRP-DWG-CAB-EL-5704[21.2] Bill No.4-1		Please note that as per the revised drawings NSRP-DWG-CAB-EL-5701 rev 21.2, NSRP-DWG-CAB-EL-5702 rev 21.2 and NSRP-DWG-CAB-EL-5704 rev 21.2 a new item FTCP has been added. However the same is not reflected in the Bill No.4-1 issued under addendum 2. Kindly clarify.	<i>FTCP and other accessories, as may be required for in the installation of Telephone Jacks, shall be included in the cost of the pay item for PIN 710(10) --- Telephone Jack. TS 700_Annex A, Section 710 is modified for the cost inclusions and shall be issued as Addendum No.4</i>
S-06		Volume 1A Section 4A Volume 2 Section 6	No.4-2 Drawings-EL	NSRP-DWG-BAN-EL-5701[21.2], NSRP-DWG-BAN-EL-5702[21.2], NSRP-DWG-BAN-EL-5704[21.2] Bill No.4-2		Please note that as per the revised drawings NSRP-DWG-BAN-EL-5701 rev 21.2, NSRP-DWG-BAN-EL-5702 rev 21.2 and NSRP-DWG-BAN-EL-5704 rev 21.2 a new item FTCP has been added. However the same is not reflected in the Bill No.4-2 issued under addendum 2. Kindly clarify.	<i>FTCP and other accessories, as may be required for in the installation of Telephone Jacks, shall be included in the cost of the pay item for PIN 710(10) --- Telephone Jack. TS 700_Annex A, Section 710 is modified for the cost inclusions and shall be issued as Addendum No.4</i>

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S-06		Volume 1A Section 4A Volume 2 Section 6	No.4-3 Drawings-EL	NSRP-DWG-BAN-EL-5701[21.2], NSRP-DWG-BAN-EL-5702[21.2], NSRP-DWG-BAN-EL-5704[21.2] Bill No.4-3		Please note that as per the revised drawings NSRP-DWG-CAL-EL-5701 rev 21.2, NSRP-DWG-CAL-EL-5702 rev 21.2 and NSRP-DWG-CAL-EL-5704 rev 21.2 a new item FTCP has been added. However the same is not reflected in the Bill No.4-3 issued under addendum 2. Kindly clarify.	<i>FTCP and other accessories, as may be required for in the installation of Telephone Jacks, shall be included in the cost of the pay item for PIN 710(10) --- Telephone Jack.</i> <i>TS 700_Annex A, Section 710 is modified for the cost inclusions and shall be issued as Addendum No.4</i>
S-06		Volume 1A Section 4A Volume 2 Section 6	No.4-1 Drawings-EL	NSRP-DWG-CAB-EL-5702[21.2], NSRP-DWG-CAB-EL-5704[21.2], NSRP-DWG-CAB-EL-5705[21.2], Item716(10) of Bill No.4-1		Please note that as per the drawings NSRP-DWG-CAB-EL-5702 rev 21.2, NSRP-DWG-CAB-EL-5704 rev 21.2 and NSRP-DWG-CAB-EL-5705 rev 21.2 the total quantity of telephone jack is found to be 23nos. However as per the item 716(10) of Bill No.4-1, the quantity measured is 24nos. Kindly confirm the quantity to be considered.	<i>FTCP and other accessories, as may be required for in the installation of Telephone Jacks, shall be included in the cost of the pay item for PIN 710(10) --- Telephone Jack.</i> <i>TS 700_Annex A, Section 710 is modified for the cost inclusions and shall be issued as Addendum No.4</i>
S-06		Volume 1A Section 4A Volume 2 Section 6	No.4-2 Drawings-EL	NSRP-DWG-BAN-EL-5811[21.2], NSRP-DWG-BAN-EL-5813[21.2], 715(1)a of Bill No.4-2		Please note that as per the drawings NSRP-DWG-BAN-EL-5811 rev 21.2 and NSRP-DWG-BAN-EL-5813 rev 21.2 the total quantity of CCTV camera is found to be 23nos. However as per the item 715(1)a of Bill No.4-2, the quantity measured is 24nos. Kindly confirm the quantity to be considered.	<i>The Bidder is advised that the CCTV System is not included in the civil works contractor's Scope of Work. The CCTV System shall be covered by others or by the E & M Contractor. The BOQ shall be revised to delete / descope the CCTV System from the BOQ. Updated BOQ shall be issued as Addendum 3.</i>
S-06		Volume 1A Section 4A Volume 2 Section 6	No.4-2 Drawings-EL	NSRP-DWG-BAN-EL-5811[21.2], NSRP-DWG-BAN-EL-5813[21.2], 715(1)b & 715(1)c of Bill No.4-2		Please note that as per the drawings NSRP-DWG-BAN-EL-5811 rev 21.2 and NSRP-DWG-BAN-EL-5813 rev 21.2 the total quantity of POE switch is found to be 2nos. However as per the item 715(1)b and 715(1)c of Bill No.4-2, the quantity measured is 3nos. Kindly confirm the quantity to be considered.	<i>The Bidder is advised that the CCTV System (which includes POE Switches) - is not included in the civil works contractor's Scope of Work. The CCTV System shall be covered by others or by the E & M Contractor. The BOQ shall be revised to delete / descope the CCTV System from the BOQ. Updated BOQ shall be issued as Addendum 3.</i>

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S-06		Volume 1A Section 4A Volume 2 Section 6	4 Drawings-EL GE	NSRP-DWG-SS15-EL-5403, NSRP-DWG-SS16-EL-5403, NSRP-DWG-SS17-EL-5403, NSRP-DWG-SS18-EL-5403, 708(5)b of Bill No.6-1~3		Please note that the Item No. 708(5)b of Bill No.6-1, Bill No.6-2, Bill No.6-3 & Bill No.6-4 Duplex Receptacle, 15A, 250V, 3W Grounding Type, Flush Mounted in Wall, WP can neither be found in the substation power layouts nor in the drawings NSRP-DWG-SS15-EL-5403; NSRP-DWG-SS16-EL-5403; NSRP-DWG-SS17-EL-5403; NSRP-DWG-SS18-EL-5403, rev. 21.1 as mentioned in the CP S04-07 Responses to Clarification Requests (Batch 9) under GBB17. Kindly confirm the location of these receptacles and the drawings where it is indicated.	<i>Please refer to the power layout and exterior convenience outlet layout drawings, below are the following drawing nos: for Bill No. 6-1: NSRP-DWG-SS15-EL-5420 Rev 21 NSRP-DWG-SS15-EL-5920 Rev 21 for Bill No. 6-2: NSRP-DWG-SS16-EL-5420 Rev 21 NSRP-DWG-SS16-EL-5920 Rev 21 for Bill No. 6-3: NSRP-DWG-SS17-EL-5420 Rev 21 NSRP-DWG-SS17-EL-5920 Rev 21 for Bill No. 6-4: NSRP-DWG-SS18-EL-5420 Rev 21 NSRP-DWG-SS18-EL-5920 Rev 21</i>
S-06		Volume 1A Section 4A Volume 2 Section 6	o.4-1~3 Drawings-I	NSRP-DWG-CAB-EL-5201, NSRP-DWG-CAB-EL-5203, NSRP-DWG-BAN-EL-5201, NSRP-DWG-BAN-EL-5203, NSRP-DWG-CAL-EL-5201, NSRP-DWG-CAL-EL-5203		Drawings NSRP-DWG-CAB-EL-5201, NSRP-DWG-CAB-EL-5203, NSRP-DWG-BAN-EL-5201, NSRP-DWG-BAN-EL-5203, NSRP-DWG-CAL-EL-5201 and NSRP-DWG-CAL-EL-5203 shows double pole switch with connection unit. However the same is not measured in the Bill of Quantities. Kindly clarify.	<i>BOQ for Bill Nos. 4-1 to 4-3 under S-06 is revised to include pay item for double pole switch and shall be issued as Addendum No.4.</i>
S-06		Volume 1A Section 4A Volume 2 Section 6	4 Drawings-EL GE	NSRP-DWG-SS15-EL-5500, NSRP-DWG-SS16-EL-5500, NSRP-DWG-SS17-EL-5500, NSRP-DWG-SS18-EL-5500[21.2]		Please note that the Item No. 706(38)a of Bill No.6-1, Bill No.6-2, Bill No.6-3 & Bill No.6-4 Enclosed Circuit Breaker, 20AT, 1P, NEMA 2 Enclosure can neither be found in the power layouts nor in the Panelboard PP1 in drawings NSRP-DWG-SS15-EL-5500; NSRP-DWG-SS16-EL-5500; NSRP-DWG-SS17-EL-5500; NSRP-DWG-SS18-EL-5500, rev. 21.2 as mentioned in the CP S04-07 Responses to Clarification Requests (Batch 9) under GBB17. Kindly confirm the location and the corresponding equipments connected.	<i>Please refer to power layout drawings to locate the enclosed circuit breaker in the layout. Drawing No: NSRP-DWG-SS15-EL-5420 Rev 21; NSRP-DWG-SS16-EL-5420 Rev 21; NSRP-DWG-SS17-EL-5420 Rev 21; and NSRP-DWG-SS18-EL-5420 Rev21</i>

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S-06		Volume 1A Section 4A	Bill No.4-1~3	706(17)aq & 706(17)ar or Bill No.4-1, 706(18)ag & 706(18)ah of Bill No.4-2, 706(19)aq & 706(19)ar of Bill No.4-3		<p>It has been noted that as per the revised BOQ issued under tender addendum no. 2, the following panels has been deleted.</p> <ol style="list-style-type: none"> 1. Bill No.4-1/Item No.706(17)aq : CAB - FP-CP 2. Bill No.4-1/Item No.706(17)ar : CAB - JP-CP 3. Bill No.4-2/Item No.706(18)ag : BAN - FP-CP 4. Bill No.4-2/Item No.706(18)ah : BAN - JP-CP 5. Bill No.4-3/Item No.706(19)aq : CAL - FP-CP 6. Bill No.4-3/Item No.706(19)ar : CAL - JP-CP <p>Kindly confirm that the supply and installation of these panels shall be under the scope of others. Also please confirm if the incoming cables to these panels from FP-DB shall be under the scope of others.</p>	<p><i>The contractor is advised that the panel boards/control panels for the Fire Pumps (FP-CP) and Jockey Pumps (JP-CP) - are subsidiary items to the Pumps. Please refer to the Technical Specifications, SCRP_TS 600_Annex A; Section 630, Sub-section 630.1, Clause 630.1.1; Item 2(e) - under the "Rate of pay items shall be including the following Items:". Please also refer to the Updated BOQ which shall be issued as Addendum 4.</i></p>
S-06		Volume 1A Section 4A Volume 2 Section 6	No. 4-1~3 Drawings-	NSRP-DWG-STA-AR-3521, 530(5) & 506(24) of Bill No.4-1~3, 557(17)a&b of Bill No.4-1, 557(18)a&b of Bill No.4-2, 557(19)a&b of Bill No.4-3	Elevator Interior Finishing Work	<p>According to Drawing No. NSRP-DWG-STA-AR-3521, I understood that wall finishing for elevator outside should be in breakdown No. 530(5) & 506(24) of Bill No.4-1~3. However, floor, wall, ceiling finishing & handrail inside elevator cars for interior are not shown in the drawing.</p> <ol style="list-style-type: none"> 1) Please provide specification of the finishings. 2) Please clarify whether cost for the lift interior works should be included in 557(17)a&b, 557(18)a&b and 557(19)a&b of Bill No.4-1~3 or other breakdowns. 	<p><i>1) Please refer to TS 500 General Provision No.17: Miscellaneous Works (Special Works), under Elevator and TS 500, Section 557, Subsection 557.2, Clause 557.2.24: Car Enclosure</i> <i>2) Yes, interior finishes are included in the cost of the elevator, please refer to TS 500 Annex A, Section 557, Subsection 557.1, Clause 557.1.1 Method of Measurement</i></p>
S-06		Volume 1A Section 4A Volume 2 Section 6	No.4-3 Drawings-M	NSRP-DWG-CAL-ME-5661, NSRP-DWG-CAL-ME-5646, BOQ Bill No.4-3		<p>As per NSRP-DWG-CAL-ME-5661 Rev21.1 and BOQ Bill No.4-3 from GBB 11 showed ACW-07 quantity is 6nos.; however in the NSRP-DWG-CAL-ME-5646 Rev21.1 showing ACW-07 in AFC UPS Room the quantity is 4nos only. Kindly clarify.</p>	<p><i>The Quantity of ACW-07 is 6 units. Please refer to drawing NSRP-DWG-CAL-ME-5646 rev. 21.2</i></p>
S-06		Volume 1A Section 4A Volume 2 Section 6	No.4-3 Drawings-M	NSRP-DWG-CAL-ME-5663, BOQ Bill No.4-3		<p>As per NSRP-DWG-CAL-ME-5663 Rev21.1 the following fans flow rate capacity: SEF-01 - 7,695L/s SEF-02 - 6,898L/s SEF-03 - 6,630L/s</p> <p>However the same fans does not match in the description of the flow rate capacity in the BOQ Bill No.4-3 from GBB 11. Kindly clarify.</p>	<p><i>BOQ is revised to update the flowrate capacity of SEF-01 to 03 and shall be issued as Addendum No.4.</i></p>

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S-06		Volume 1A Section 4A Volume 2 Section 6	1, 4-2, 4-3 Drawing	NSRP-DWG-BAN-SN-6102, NSRP-DWG-BAN-SN-6104, BOQ Bill No.4-1, 4-2, 4-3		<p>Please clarify whether Catch basin/Manhole(BOQ No.4 607 607(8)) is the same items with Catch basin indicated in Drawing NSRP-DWG-BAN-SN-6102 and SMH indicated in Drawing NSRP-DWG-BAN-SN-6104.</p> <p>If so, Catch basin/Manhole quantities in BOQ is different with drawings.</p> <ul style="list-style-type: none"> - Cabuyao : BOQ-30, Drawing- 40(Catch basin)+13(SMH) - Banlic : BOQ-29, Drawing- 20(Catch basin)+9(SMH) - Calamba : BOQ-28, Drawing- 20(Catch basin)+11(SMH) 	<p>BOQ is revised for Quantity of Pay Item No. 607(8) Catch Basin/Manhole for; Bill No. 4-1, Cabuyao - 53 ea. (40 Catch basin & 13 SMH); Bill No. 4-2, Banlic - 29 ea. (20 Catch basin & 9 SMH); and Bill No. 4-3, Calamba - 31 ea. (20 Catch basin & 11 SMH).</p> <p>Revised BOQ shall be issued as Addendum No.4</p>
S-06		Volume 2		NSRP-DWG-VIA00-ST-1901		Please provide pay item for LPS1 and LPS2	The Bidder is advised that the mainline / viaduct Lightning Protection System (to include LPS1 and LPS2) - shall be covered by the E&M Contractor or "By Others".
S-06		Volume 2		NSRP-DWG-VIA00-ST-0701		According to Batch 6, Page 65, Bidder's clarification was "As per sheet VIA06-ST-0035, no sheet pile is needed in the toe of the gabion mattress." But refer to the drawing VIA00-ST-0701, it needs installation of sheet piles. Please Clarify	Sheet pile details deleted in the drawing. Please refer to NSRP-DWG-VIA00-ST-0701 Rev 21.3,
S-06		Volume 2		NSRP-DWG-VIA06-DR-0169~0170		Please provide pay item for Earth Drain (W500 X D600, L=Approx. 450m)	<p>This is a Reinforced Concrete Open Channel and it is already included in Bill No.5, under Pay Item no:201(4)b, 201(4)d, 206(8)d, 206(10)d and 207(1)e .</p> <p>Updated drawings and BOQ shall be issued as Addendum No.4</p>
S-06		Volume 2		TS 232		Please provide TS 232 issued Batch 10	Bidder is advised to refer to TS 232 in Addendum 3
S-06		Volume 1A, Volume 2		BOQ Bill no.5, NSRP-DWG-VIA00-DR-1305		<p>According to BOQ no.5, total quantity of Manhole/ Catch Basin is 659 and total quantity of Maintenance Access Cover is 543. but refer to NSRP-DWG-VIA00-DR-1305, Maintenance Access Cover should be installed at every 20 meter interval from Manhole.</p> <ol style="list-style-type: none"> 1. Please clarify which quantity should be considered 2. Please provide pay item for concrete and rebar of Maintenance Access Cover 	<p>1. Maintenance Access Cover was already revised to be installed at every 20 meter interval from Manhole. BOQ is revised and shall be issued as Addendum No.4.</p> <p>2. Concrete and rebar are included in the cost of Maintenance Access Cover.</p>
S-06		Volume 2		NSRP-DWG-VIA06-ST-0035		Please provide detail drawings of river bank protection	River bank protection details shown in NSRP-DWG-VIA00-ST-0701 Rev 21.3

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S-06		Volume 2		NSRP-DWG-VIA06-DR-0158		We understand FGE AT INLET Elev - INLET INV Elev = STRUCTURE SIZE D + topslab thickness But there are some cases cloud marked refer to tables of AT- GRADE MAINLINE DRAINAGE DRAWINGS (FGE AT INLET Elev - INLET INV Elev < STRUCTURE SIZE D + topslab thickness) Please clarify.	<i>This will show the needed size of the drainage network. The existing ground elevations would need to be filled in at this location.</i>
S-06		Volume 2		NSRP-DWG-CAB-DR-2003~2005		1. Please clarify pay item for RCBC in table 2. please clarify pay item for Manhole in table (64 Manholes in table, 30 Manholes in BOQ no.4-1) 3. please clarify pay item for RCBC and Manhole at sub-station	<i>1. The Reinforced Concrete Box Culvert is included in Bill No.5, under Pay Item no:201(4)b, 201(4)d, 206(8)d, 206(10)d and 207(1)e . 2. The manholes in NSRP-DWG-CAB-DR-2003~2005 rev. 21 are included in Bill No.5 under Pay Item No. 111(9)a -Manhole/Catch Basin And the quantity of manholes in Bill No.4, Pay Item No. 607(8)-Catch Basin/Manhole is based on the Sanitary Plans/drawings. 3. No RCBC in substation, only manholes Please refer to Bill No.6, Pay Item No. 607(8)-Catch Basin/Manhole and the quantity is based on the Sanitary Plans/drawings</i>
S-06		Volume 2, Book1(Civil), 03_CP S-06_VIA06		NSRP-DWG-VIA06-ST-0040, NSRP-DWG-VIA06-ST-0041		As it can be seen from the Dwg, the distance between Pier-1231, 1232, 1233, and temporary track appears to be close. In addition, we were told that the blue-colored lines are PNR future freight track; however, we are uncertain of this, as the blue lines appear to be temporary tracks. If this is the case, then we will be unable to install the pilecap. Could you please elaborate on this?	<i>As per the latest drawings NSRP-DWG-VIA06-ST-0040 Rev 21, NSRP-DWG-VIA06-ST-0041 Rev 21.2, the pink lines in the drawing are the PNR Future Freight Track. The pier is still within the 3.0m minimum clearance from column face to PNR Future Freight Track centerline.</i>

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S-06		Volume 2, 01_Specification,02 _TS 200		204.4.11		As it can be seen from the specification, the vertical alignment of bored piles in soil shall not vary from the plan position by more than 15mm/m of depth. But we couldn't find the test method and Q'ty how we measure the vertical alignment of bored piles and how many piles we test from the specification and BoQ. Could you please elaborate on this?	<i>Please refer to TS-200, Section 204, Subsection 204.4, Clause 204.4.11, Paragraph 4 states that "During drilling or excavation of the bored pile, the Contractor shall make frequent checks on the plumbness, alignment and dimensions of the bored pile. Any deviation exceeding the allowable tolerances shall be corrected with a procedure approved by the Engineer". The Contractor should include the cost to bored pile construction specifically to Bill No.3, Pay Items No. 204(2)a, 204(2)b and 204(2)c.</i>
S-06		Volume 2, Book1(Civil), 02_CP S-06_VIA00		NSRP-DWG-VIA00-ST- 0603~0608		Reinforcement types of piers 1259 to 1260s are types P1 r9 and P2 r9. However, we could not find the vertical reinforcement bar size of types NSRP-DWG-VIA00-ST-0603-0608. Could you please elaborate on this?	<i>Reinforcement details for Pier Type P1, Type 2 r9 and Pier Type P2, Type 1 r9 shall be added. Drawings were updated as Rev21.3 in Addendum 4</i>
S-06		Volume 1 / Section 4A / Bill6		Item S506(1)a MT-2a and 2b Type Handrail		As per BoQ item S506(1)a for MT-2a and 2b Type Handrail described with H=850mm, 34mm Dia. x 3.2mm, Hot Dip Galvanized Steel Pipe Posts at 1200mm C/C and 2 No. of Horizontal Handrails with Fluororesin Paint Finish whereas SubStation Architectural Standard Detail drawing NSRP-DWG-SS00-AR-3021 Rev.21 indicates a different railing size and finishes. →Kindly clarify discrepancy and confirm which is to be followed.	<i>BOQ is revised for the correct description as indicated in the SubStation Architectural Standard Detail drawing NSRP-DWG-SS00-AR-3021 Rev.21 and shall be issued as Addendum No.4</i>
S-06		Volume 1		Item 523(3) a&b	Canopy	Please clarify whether the cost for concrete foundation and column pedestal and other related scope (anti-termite, excavation works, lean concrete, etc.) indicated in drawing ref. ST-4531 should be included in BOQ Item 523(3) a&b. If not, please provide separate BOQ item in order for us to price accordingly.	<i>Pay Item Nos. 523(3)a and 523(3)b - are "roofing works only". For the other works in the Canopy area like the structural steel frame & foundation, etc. - the quantities are included in BOQ Bill Nos. 4-1 to 4-3, pay items as applicable and indicated under Part A, Part B, Part C.1 - Structural Works and Part C.2 - Architectural Works .</i>

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S-06		Volume 1 / Section 4A		Bill 4 / Item 411(2) Maintenance Catwalk		Refer to General Station Typical Catwalk Details drawing NSRP-DWG-STA-AR-3515 Rev.21. Kindly confirm if our understanding is correct that the highlighted steel sections below should be noted as 1-50x50x6mm Angle Bar & 1-50x150x6mm Channel as shown in the drawing Section Detail indicating single longitudinal steel sections only.	<i>The drawing will be modified and shall be issued as Addendum No.4.</i>
S-06		Volume 1 / Section 4A		Item 506(16)	SST Trench Drain Cover	Refer to BoQ item 506(16) Trench Drain Cover and indicated in General Station Typical Drawing Details ref. DWG-STA-AR-3502 Rev.21. Kindly provide layout drawing indicating the trench drain cover to confirm the quantity provided in the BoQ.	<i>BOQ is revised for the correct quantity and description as indicated in the latest drawings. The revised BOQ and the updated drawings shall be issued as Addendum No.4</i>
S-06		Volume 1 / Section 4A		Item S528(1)b	Window Type W2 for Substation	Kindly provide Window Detail Schedule for Typical Substation Window Type W2.	<i>Window type W2 for substations was already provided on the schedule. Please refer to NSRP-DWG-SS00-AR-3005 rev 21.2,</i>
S-06		Volume 1 / Section 4A		Item 523(3)a Item 523(3)ab	T=3mm,Polycarbonated Membrane Roofing	Refer to BoQ Item 523(3)a & 523(3)ab for Canopy and Covered Walkway Polycarbonated Membrane Roofing. Kindly clarify what pay items are inclusive in these BoQ reference as it is not clear in the Method of Measurement & Basis of Payment. It is understood that BoQ 522(9) Item Aluminum Perforated Sheet Ceiling for the Canopy is measured & priced separately. But the remaining items like the structural steel frame & foundation (refer dwg. ST-4531 to ST-4534 Rev.21.2) for the canopy are not clearly defined where to include.	<i>Pay Item Nos. 523(3)a and 523(3)b - are "roofing works only". For the other works in the Canopy area like the structural steel frame & foundation, etc. - the quantities are included in BOQ Bill Nos. 4-1 to 4-3, pay items as applicable and indicated under Part A, Part B, Part C.1 - Structural Works and Part C.2 - Architectural Works .</i>
S-06		Volume 1 / Section 4A		Item 506(5) Item 530(4) Item 530(10)		Refer to BOQ and Drawings specified for Stainless Steel Handrails calls for SS 304 whilst Specification in Section 506.2.1 asked for Stainless Steel Type 316. Kindly clarify discrepancy.	<i>Use SS 304 as specified in the BOQ and Drawings. Technical Specification to be modified and shall be issued as Addendum No. 4</i>
S-06		Volume 1 / Section 4A		BoQ Item 507(1)a-j	Expansion Joint & Joint Cover Assemblies	Reference to Tended Addendum #2 revised BoQ listed the breakdown of Expansion Joints with W=200mm gap. Kindly provide layout plan & elevation drawings indicating the required locations for the expansion joints with W=200mm & 100mm gaps as shown in detail drawing NSRP-DWG-STA-AR-3551_[21.2] to confirm the quantity provided in the BoQ and to verify if the 100mm EJ is required or not.	<i>Updated drawings for layout plans and elevation where expansion joints are required and also updated BOQ shall be available in Addendum No.4</i>

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S-06		Volume 1 / Book 2			General Station Expansion Joint Details drawing NSRP-DWG-STA-AR-3551_[21.2]	<p>Reference to General Station Expansion Joint Details drawing NSRP-DWG-STA-AR-3551_[21.2] and to the revised detailed BoQ breakdown for Expansion Joints provided under Tender Addendum#2 updates.</p> <p>Kindly confirm items listed below if included under our scope. If included please provide Bill of Quantity and indicate in the layout plan where the expansion joints are required.</p> <ul style="list-style-type: none"> • Floor to Wall Expansion Joint (Viaduct) • Roof Upstand Wall to Wall RC Gutter • Ceiling to Ceiling Expansion Joint (DET. ASC-4-2). • Expansion Joint of Exterior Wall and Eaves (SST)1-H Fire Resistant 	<p>1) Floor to Wall Expansion Joint (Viaduct) - included in Bill No.4, Pay Item No. 507(1)b</p> <p>2) To be include in the revised BOQ.</p> <p>3) Ceiling to Ceiling Expansion Joint - included in Bill No.4, Pay Item No.507(1)e</p> <p>4) This is will be considered also as Roof Upstand Wall to Wall RC Gutter, see response no.2.</p> <p>Updated BOQ and drawings for layout plans where expansion joints are required shall be available in Addendum No.4</p>
S-06		Volume 1 / Section 4A / Bill6		Bill 6 / BoQ Item 128(4)c & Item 128(4)a	<p>Fencing: 50mmx50mm Cyclone Fence H=1000mm</p> <p>Fencing: 50mmx50mm Cyclone Fence H=2000mm</p>	<p>Refer to Substations BoQ items 128(4)c & 128(4)a described as Fencing: 50mmx50mm Cyclone Fence H=1000mm & H=2000mm respectively.</p> <p>→Kindly confirm location for Fencing with H=2000mm to Substation No.18 and the rest are with Fence H=1000mm. Also please clarify detail drawing to be used for Fence with H=2000mm.</p>	<p>Updated drawings for fencing shall be issued as Addendum No.4.</p>
S-06		Volume 1 / Section 4A / Bill6		BoQ Item S506(8)	Hot Dip Galvanized Steel Grating Floor	<p>Refer to Substations BoQ item S506(8) described as Hot Dip Galvanized Steel Grating Floor.</p> <p>→Kindly confirm scope and provide detail & layout drawing indicating the Galv. Steel Grating Floor to confirm the quantity provided in the BoQ.</p>	<p>BoQ Item S506(8) described as Hot Dip Galvanized Steel Grating Floor is deleted as there are no trench drains in substations 15, 16, 17 and 18. The revised BOQ as well as the updated drawings shall be issued as Addendum No. 4.</p>
S-05		Vol.1A Sec.4A BOQ		BOQ No.2	Part D 207(4)a Part D207(4)b	<p>Please clarify discrepancy between sum of reinforcing steel for retaining wall in drawings and BOQ.</p>	<p>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for the retaining wall is consistent with the drawing nos. NSRP-DWG-VIA05-RD-2014, RD-3039, RD-3040, RD-3100, RD-3101 and RD-310 rev 21.2. Please refer to the Updated BOQ which shall be issued as Addendum 4.</p>
S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.1207(2)a	<p>Please clarify discrepancy between sum of reinforcing steel for bored pile in drawings and BOQ.</p>	<p>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for Bored Piles is consistent with the drawing nos. NSRP-DWG-VIA00-ST-0321 to 0325 rev 21.2, NSRP-DWG-VIA05-ST-0101- to 0102 rev 21, NSRP-DWG-VIA05-ST-0103 rev 21.2 and NSRP-DWG-VIA05-ST-0104- to 0106 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</p>

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S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.3206(1)d	Please clarify discrepancy between sum of structural cast in situ concrete for cross beam in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of the structural cast-in-situ concrete for cross beam is consistent with the drawing no. NSRP-DWG-VIA00-ST-0645 rev 21.3 and NSRP-DWG-VIA00-ST-0646 to 0649 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.4206(3)a Part B.4206(3)c	Please clarify discrepancy between sum of structural concrete for precast segmental box girder in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of the structural concrete for precast segmental box girder is consistent with the drawing no. NSRP-DWG-VIA00-ST-0901 to 0902 rev 21.3; NSRP-DWG-VIA00-ST-0921 rev 21, ST-0921 rev 21.3, ST-0941 rev 21, ST-0942 rev 21.3, ST-0946 to 0947 rev 21.3, ST-0951 to 0952 rev 21.3, ST-0961 to 0971 rev 21.3, ST-0981 to 0982 rev 21.3. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.4207(2)d	Please clarify discrepancy between sum of reinforcing steel for precast segmental box girder in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for precast segmental box girder is consistent with the drawing nos. NSRP-DWG-VIA00-ST-1001 rev 21, ST-1002 to 1003 rev 21.3, ST-1021 rev 21, ST-1022 rev 21.3, ST-1041 rev 21, ST-1051 rev 21, ST-1061 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.4208(1)c	Please clarify discrepancy between sum of prestressing steel for precast segmental box girder in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of prestressing steel for precast segmental box girder is consistent with the drawing nos. NSRP-DWG-VIA00-ST-1121 rev 21, ST-1131 rev 21.3, ST-1132 rev 21, ST-1133 rev 21, ST-1134 rev 21.3, ST-1135 rev 21.2, ST-1136 rev 21, ST-1137 rev 21, ST-1138 rev 21.2. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.5206(2)a	Please clarify discrepancy between sum of structural concrete for cast-in-situ balanced cantilever box girder in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for cast-in-situ balanced cantilever is consistent with the drawing nos. NSRP-DWG-BC02-ST-3062 to 3072 rev 21, NSRP-DWG-BC03-ST-4062 to 4072 rev 21, NSRP-DWG-BC07-ST-8062 to 8072 rev 21, NSRP-DWG-BC08-ST-9062 to 9072 rev 21.. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.5207(2)e	Please clarify discrepancy between sum of reinforcing steel for cast-in-situ balanced cantilever box girder in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for cast-in-situ balanced cantilever is consistent with the drawing nos. NSRP-DWG-BC02-ST-3081 to 3086 rev 21, NSRP-DWG-BC03-ST-4081 to 4086 rev 21, NSRP-DWG-BC07-ST-8081 to 8086 rev 21, NSRP-DWG-BC08-ST-9081 to 9086 rev 21.. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.5208(1)b	Please clarify discrepancy between sum of prestressing steel for cast-in-situ balanced cantilever box girder in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of prestressing steel for cast-in-situ balanced cantilever is consistent with the drawing nos. NSRP-DWG-BC02-ST-3091 to 3097 rev 21, NSRP-DWG-BC03-ST-4091 to 4097 rev 21, NSRP-DWG-BC07-ST-8091 to 8097 rev 21, NSRP-DWG-BC08-ST-9091 to 9097 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.6206(2)b	Please clarify discrepancy between sum of structural concrete for cast-in-situ construction on falseworks in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for cast-in-situ construction on falseworks is consistent with the drawing nos. NSRP-DWG-CIS40-ST-0011 to 0015 rev 21, NSRP-DWG-CIS50-ST-0011 to 0015 rev 21, NSRP-DWG-CIS80-ST-0011 to 0017 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.6207(2)f	Please clarify discrepancy between sum of reinforcing steel for cast-in-situ construction on falseworks in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for cast-in-situ construction on falseworks is consistent with the drawing nos. NSRP-DWG-CIS40-ST-0031 to 0033 rev 21, NSRP-DWG-CIS50-ST-0031 to 0033 rev 21, NSRP-DWG-CIS80-ST-0031 to 0038 rev 21 Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.6.208(1)a	Please clarify discrepancy between sum of prestressing steel for cast-in-situ construction on falseworks in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of prestressing steel for cast-in-situ construction on falseworks is consistent with the drawing nos. NSRP-DWG-CIS40-ST-0041 to 0043 rev 21, NSRP-DWG-CIS50-ST-0041 to 0043 rev 21, NSRP-DWG-CIS80-ST-0041 to 0046 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.11 206(8)e	Please clarify discrepancy between sum of structural concrete for emergency staircases in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for emergency staircases is consistent with the drawing nos. NSRP-DWG-VIA00-ST-1681 to 1682 rev 21 Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part B.11 207(2)v	Please clarify discrepancy between sum of reinforcing steel for emergency staircases in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for emergency staircases is consistent with the drawing nos. NSRP-DWG-VIA00-ST-1681 to 1682 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part D 206(8)e Part D 206(11)a	Please clarify discrepancy between sum of structural concrete for protective concrete topping and cable trough upstands in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for protective concrete topping and cable trough upstand is consistent with the drawing nos. NSRP-DWG-VIA00-ST-0901 to 0902 rev 21.3, ST-0921 rev 21, ST-0921 rev 21.3, ST-0941 rev 21, ST-0942 rev 21.3, ST-0946 to 0947 rev 21.3, ST-0951 to 0952 rev 21.3, ST-0961 to 0971 rev 21.3, ST-0981 to 0982 rev 21.3. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part D 207(2)n	Please clarify discrepancy between sum of reinforcing steel for pier wall, parapet wall, secondary, concrete slab and cable trough upstands in drawings and BOQ.	<i>Please refer to the Updated BOQ with the revised work item description for Item No. 207(2)n. Updated BOQ shall be issued as Addendum 4.</i> <i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for the cable trough upstand is consistent with the drawing nos. NSRP-DWG-VIA00-ST-1001 rev 21, ST-1002 to 1003 rev 21.3, ST-1021 rev 21, ST-1022 rev 21.3, ST-1041 rev 21, ST-1051 rev 21, ST-1061 rev 21.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.3	Part D 229(1)	Please clarify discrepancy between sum of pre-cast parapet wall (H=2.0m) in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of precast parapet wall is consistent with the drawing nos. NSRP-DWG-VIA05-ST-0012 to 0048 rev 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-1	Part C.1 403(1) Part C.1 403(2) Part C.1 403(2)a	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel is consistent with the drawing no. NSRP-DWG-STA-ST-4002 Rev. 21.3 and to all other applicable Station Structures' Structural drawings. Further, the BOQ quantity / sum is also consistent with the Technical Specifications method of measurements per SCRP_TS 400_Annex A, Section 403. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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S-05		Vol.1A Sec.4A BOQ		BOQ No.4-1	Part C.1 405(1)a Part C.1 405(3)b Part C.1 405(7)b Part C.1 405(16)	Please clarify discrepancy between sum of structural concrete for pile cap/footing, column, slab on fill and blinding concrete in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of respective, structural concrete for Pile Cap/Footing, Column, Slab on Fill and Blinding Concrete - are consistent with the drawing nos. NSRP-DWG-SPO-ST-4111; 4121; 4401; & 4431, rev. 21.2; NSRP-DWG-SPO-ST-4131; 4136; 4141; 4211; 4301 to 4423; 4441; 4443; 4444; 4446; & 4461, rev. 21; NSRP-DWG-SPO-ST-4201 to 4204; 4212; 4302; & 4303, rev. 21.2; NSRP-DWG-SPO-ST-4301; 4442; 4445; 4447; & 4448, rev. 21.2. The BOQ quantity / sum are also consistent with the Technical Specifications Method of Measurements for Concrete Structures per SCRP_TS_400_Annex A, Section 405. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-1	Part C.1 408(1)	Please clarify discrepancy between sum of structural steel, furnished, fabricated and erected in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel (furnished, fabricated and erected) is consistent with the drawing nos. NSRP-DWG-SPO-ST-4521, rev 21.3; NSRP-DWG-SPO-ST-4522 21, rev. 21; NSRP-DWG-SPO-ST-4531; 4532; & 4534, rev. 21.2; and NSRP-DWG-SPO-ST-4533, rev. 21.3. The Bidder is further advised to refer to the Technical Specifications, SCRP_TS 400_Annex A, Section 408 and to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-1	Part C.1 408(8)	Please clarify discrepancy between sum of structural steel for elevator frame in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel for elevator frame is consistent with the drawing nos. NSRP-DWG-SPO-ST-4471, 4473 Rev. 21.1 to 4473 & NSRP-DWG-SPO-ST-4472 Rev21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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S-05		Vol.1A Sec.4A BOQ		BOQ No.4-1	Part C.1 408(11)	Please clarify discrepancy between sum of structural steel frame (furnished, prepainted & installed), for STFE tension membrane roofing in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel frame (furnished, prepainted & installed) is consistent with the drawing nos. NSRP-DWG-SPO-ST-4151,4161,4166 rev. 21 & NSRP-DWG-SPO-ST-4501 rev. 21 & NSRP-DWG-SPO-ST-4502,4503rev. 21.1. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-1	Part C.1 408(14)	Please clarify discrepancy between sum of structural steel for additional support of catenary system in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel for additional support of catenary system is consistent with the drawing nos. NSRP-DWG-SPO-ST-4523 rev. 21.3. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-1	Part C.1 507(1)a Part C.1 507(1)b Part C.1 507(1)c Part C.1 507(1)d Part C.1 507(1)e Part C.1 507(1)f Part C.1 507(1)g	Please clarify discrepancy between sum of expansion joints and joint cover assemblies in drawings and BOQ.	<i>The drawings shall be revised to include details for (1)Floor to Floor and Floor to Wall Expansion Joints; (2)Ceiling to Ceiling and Wall to Ceiling Expansion Joint; and (3)Wall to Wall Expansion Joint. The revised drawings for San Pedro Architectural Works shall be issued in the Addendum 3.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-2	Part C.1 403(1) Part C.1 403(2) Part C.1 403(2)a	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel is consistent with the drawing no. NSRP-DWG-STA-ST-4002 rev. 21.3 and to all other applicable Station Structures' Structural drawings. Further, the BOQ quantity / sum is also consistent with the Technical Specifications method of measurements per SCRP_TS 400_Annex A, Section 403. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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S-05		Vol.1A Sec.4A BOQ		BOQ No.4-2	Part C.1 405(1)a Part C.1 405(9)b Part C.1 405(16)a	Please clarify discrepancy between sum of structural concrete for pile cap/footing, elevated slab/concrete stairs/concrete gutter and blinding concrete in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of respective, structural concrete for Pile Cap/Footing, Elevated Slab/concrete stairs/concrete gutter and Blinding Concrete - are consistent with the drawing nos. NSRP-DWG-PTA-ST-4111,4136,4141,4201 to 4204,4211,4212,4402 to 4423,4441 to 4445,4447,4461 rev. 21; NSRP-DWG-PTA-ST-4121,4131 rev. 21.3; NSRP-DWG-PTA-ST-4301,4302,4445,4446,4448 rev. 21.1; and NSRP-DWG-PTA-ST-4401,4431 rev. 21.2. The BOQ quantity / sum are also consistent with the Technical Specifications Method of Measurements for Concrete Structures per SCRP_TS_400_Annex A, Section 405. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-2	Part C.1 408(1)	Please clarify discrepancy between sum of structural steel, furnished, fabricated and erected in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel (furnished, fabricated and erected) is consistent with the drawing nos. NSRP-DWG-PTA-ST-4521 rev. 21.3, NSRP-DWG-PTA-ST-4522 rev. 21 & NSRP-DWG-PTA-ST-4531,4532,4534 rev. 21.2 & NSRP-DWG-ST-4533 rev. 21.3 The Bidder is further advised to refer to the Technical Specifications, SCRP_TS 400_Annex A, Section 408 and to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-2	Part C.1 408(8)	Please clarify discrepancy between sum of structural steel for elevator frame in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel for elevator frame is consistent with the drawing nos. NSRP-DWG-PTA-ST-4471,4473 rev. 21.1 & NSRP-DWG-PTA-ST-4472 rev. 21.. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-2	Part C.1 408(11)	Please clarify discrepancy between sum of structural steel frame (furnished, prepainted & installed), for STFE tension membrane roofing in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel frame (furnished, prepainted & installed) is consistent with the drawing nos. NSRP-DWG-PTA-ST-4151 to 4166,4501 rev. 21 & NSRP-DWG-PTA-ST-4502 rev. 21.1. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-2	Part C.1 408(14)	Please clarify discrepancy between sum of structural steel for additional support of overhead catenary contact system in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel for additional support of overhead catenary system is consistent with the drawing nos. NSRP-DWG-PTA-ST-4523 rev. 21.3. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-2	Part C.1 507(1)a Part C.1 507(1)b Part C.1 507(1)c Part C.1 507(1)d Part C.1 507(1)e Part C.1 507(1)f Part C.1 507(1)g Part C.1 507(1)h Part C.1 507(1)i Part C.1 507(1)j	Please clarify discrepancy between sum of expansion joints and joint cover assemblies in drawings and BOQ.	<i>The drawings shall be revised to include details for (1)Floor to Floor and Floor to Wall Expansion Joints; (2)Ceiling to Ceiling and Wall to Ceiling Expansion Joint; and (3)Wall to Wall Expansion Joint. The revised drawings for Pacita Architectural Works shall be issued in the Addendum 3.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-3	Part C.1 403(1) Part C.1 403(2) Part C.1 403(2)a	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel is consistent with the drawing no. NSRP-DWG-STA-ST-4002 rev. 21.3 and to all other applicable Station Structures' Structural drawings. Further, the BOQ quantity / sum is also consistent with the Technical Specifications method of measurements per SCRP_TS 400_Annex A, Section 403. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-3	Part C.1 405(1)a Part C.1 405(3)b Part C.1 405(6)a Part C.1 405(7)b Part C.1 405(8)b Part C.1 405(9)b Part C.1 405(16)	Please clarify discrepancy between sum of structural concrete for pile cap/footing, column, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for pile cap/footing, column, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete are consistent with the drawing nos. NSRP-DWG-BIN-ST-4111 to 4141,4201 to 4211 rev. 21.3, NSRP-DWG-BIN-ST-4212,4402 to 4444,4446 ,4448, 4461 rev. 21, NSRP-DWG-BIN-ST-4302,4445,4447,4449 to 4452 rev. 21.1, NSRP-DWG-BIN-ST-4401 rev. 21.2. he BOQ quantity / sum are also consistent with the Technical Specifications Method of Measurements for Concrcte Structures per SCRP_TS_400_Annex A, Section 405. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-3	Part C.1 408(8)	Please clarify discrepancy between sum of structural steel for elevator frame in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel for elevator frame is consistent with the drawing nos. NSRP-DWG-BIN-ST-4521,4533 rev. 21.3, NSRP-DWG-BIN-ST-4522 rev. 21 & NSRP-DWG-BIN-ST-4531,4532,4534 rev. 21.2.. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-3	Part C.1 410	Please clarify discrepancy between sum of steel decking in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of steel decking is consistent with the drawing nos. NSRP-DWG-BIN-ST-4471,4473 rev. 21.1 & NSRP-DWG-BIN-ST-4472 rev. 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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S-05		Vol.1A Sec.4A BOQ		BOQ No.4-3	Part C.1 408(11)	Please clarify discrepancy between sum of structural steel frame (furnished, prepainted & installed), for STFE tension membrane roofing in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel frame (furnished, prepainted & installed) is consistent with the drawing nos. NSRP-DWG-BIN-ST-4151 to 4166 rev. 21 & NSRP-DWG-BIN-ST-4501,4512 rev. 21, NSRP-DWG-BIN-ST-4502,4511 rev. 21.1.. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-3	Part C.1 408(14)	Please clarify discrepancy between sum of structural steel for additional support of overhead catenary contact system in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel for additional support of overhead catenary system is consistent with the drawing nos. NSRP-DWG-BIN-ST-4523 rev. 21.3. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-3	Part C.1 507(1)a Part C.1 507(1)b Part C.1 507(1)c Part C.1 507(1)d Part C.1 507(1)e Part C.1 507(1)f Part C.1 507(1)g Part C.1 507(1)h Part C.1 507(1)i Part C.1 507(1)j Part C.1 507(4)	Please clarify discrepancy between sum of expansion joints and joint cover assemblies in drawings and BOQ.	<i>The drawings shall be revised to include details for (1)Floor to Floor and Floor to Wall Expansion Joints; (2)Ceiling to Ceiling and Wall to Ceiling Expansion Joint; and (3)Wall to Wall Expansion Joint. The revised drawings for Binan Architectural Works shall be issued in the Addendum 3.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-4	Part C.1 403(1) Part C.1 403(2) Part C.1 403(2)a	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel is consistent with the drawing no. NSRP-DWG-STA-ST-4002 rev. 21.3 and to all other applicable Station Structures' Structural drawings. Further, the BOQ quantity / sum is also consistent with the Technical Specifications method of measurements per SCRP_TS 400 Annex A, Section 403. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-4	Part C.1 405(1)a Part C.1 405(9)b	Please clarify discrepancy between sum of structural concrete for pile cap/footing and elevated slab/concrete stairs/concrete gutter in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of respective, structural concrete for Pile Cap/Footing, Elevated Slab/concrete stairs/concrete gutter - are consistent with the drawing nos. NSRP-DWG-SRO-ST-4111,4136 ,4201 to 4213,4402 to 4431,4443,4461 rev. 21, NSRP-DWG-SRO-ST-4121,4131,4141 rev. 21.3 & NSRP-DWG-SRO-ST-4201, NSRP-DWG-SRO-ST-4302 rev. 21.2, NSRP-DWG-SRO-ST-4401 rev. 21.2 and NSRP-DWG-SRO-ST-4441,4442,4444 to 4451 rev. 21.1. The BOQ quantity / sum are also consistent with the Technical Specifications Method of Measurements for Concrete Structures per SCRP_TS_400_Annex A, Section 405. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-4	Part C.1 408(1)	Please clarify discrepancy between sum of structural steel, furnished, fabricated and erected in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel (furnished, fabricated and erected) is consistent with the drawing nos. NSRP-DWG-SRO-ST-4521,4533 rev. 21.3, NSRP-DWG-SRO-ST-4522 rev. 21 & NSRP-DWG-SRO-ST-4531,4532,4534 rev. 21.2. The Bidder is further advised to refer to the Technical Specifications, SCRP_TS 400_Annex A, Section 408 and to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-4	Part C.1 408(8)	Please clarify discrepancy between sum of structural steel for elevator frame in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel for elevator frame is consistent with the drawing nos. NSRP-DWG-SRO-ST-4471,4473 rev. 21.1 & NSRP-DWG-SRO-ST-4472 rev. 21. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-4	Part C.1 408(11)	Please clarify discrepancy between sum of structural steel frame (furnished, prepainted & installed), for STFE tension membrane roofing in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel frame (furnished, prepainted & installed) is consistent with the drawing nos. NSRP-DWG-SRO-ST-4151 to 4166,4501,4512 rev. 21 & NSRP-DWG-SRO-ST-4502,4511 rev. 21.1. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-4	Part C.1 408(14)	Please clarify discrepancy between sum of structural steel for additional support of overhead catenary contact system in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural steel for additional support of overhead catenary system is consistent with the drawing nos. NSRP-DWG-SRO-ST-4523 rev. 21.3. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.4-4	Part C.1 507(1)a Part C.1 507(1)b Part C.1 507(1)c Part C.1 507(1)d Part C.1 507(1)e Part C.1 507(1)f Part C.1 507(1)g	Please clarify discrepancy between sum of expansion joints and joint cover assemblies in drawings and BOQ.	<i>The drawings shall be revised to include details for (1)Floor to Floor and Floor to Wall Expansion Joints; (2)Ceiling to Ceiling and Wall to Ceiling Expansion Joint; and (3)Wall to Wall Expansion Joint. The revised drawings for Sta. Rosa Architectural Works shall be issued in the Addendum 3.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.5	Part B 206(8)d Part B 206(10)d	Please clarify discrepancy between sum of structural concrete and blind layer concrete/lean concrete in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete and blind layer concrete/lean concrete are consistent with the drawing nos. (For Stations) NSRP-DWG-SPO-DR-2000 to DR-2051 Rev. 21,21.1 & rev 21.3; NSRP-DWG-BIN-DR-2000 to DR-2051 Rev. 21 & rev 21.3 ; NSRP-DWG-PAC-DR-2000 to DR-2051 Rev. 21 & rev 21.3; and NSRP-DWG-SRO-DR-2000 to DR-2051 Rev. 21 & rev 21.3 . (And for Mainline Drainage and Realigned Canals) NSRP-DWG-VIA05-DR-0000 to DR-4201 Rev 21,21.1 & 21.3</i>

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S-05		Vol.1A Sec.4A BOQ		BOQ No.6-1	Part D.1 403(1) Part D.1 403(2)	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for the Substation Structures is consistent with the drawing nos. NSRP-DWG-SS10-ST-4301, 4302 and 4311 Rev21. Further, the BOQ quantity / sum of reinforcing steel is also consistent with the Technical Specifications Method of Measurements for Steel Reinforcements SCRP_TS 400_Annex A, Section 403. Please refer to the updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.6-1	Part D.1 405(3)b Part D.1 405(10)b Part D.1 405(6)b Part D.1 405(7)b Part D.1 405(8)b Part D.1 405(9)b Part D.1 405(16)	Please clarify discrepancy between sum of structural concrete for column, beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for column, beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete are consistent with the drawing nos. NSRP-DWG-SS10-ST-4101 to 4302 rev. 21.3 & NSRP-DWG-SS10-ST-4311 rev. 21.2. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.6-2	Part D.1 403(1) Part D.1 403(2)	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for the Substation Structures is consistent with the drawing nos. NSRP-DWG-SS11-ST-4301, 4302 and 4311 Rev21. Further, the BOQ quantity / sum of reinforcing steel is also consistent with the Technical Specifications Method of Measurements for Steel Reinforcements SCRP_TS 400_Annex A, Section 403. Please refer to the updated BOQ which shall be issued as Addendum 4.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05		Vol.1A Sec.4A BOQ		BOQ No.6-2	Part D.1 405(3)b Part D.1 405(10)b Part D.1 405(6)b Part D.1 405(7)b Part D.1 405(8)b Part D.1 405(9)b Part D.1 405(16)	Please clarify discrepancy between sum of structural concrete for column, beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for column, beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete are consistent with the drawing nos. NSRP-DWG-SS11-ST-4101 to 4302 rev. 21.3, NSRP-DWG-SS11-ST-4306 rev. 21 & NSRP-DWG-SS11-ST-4311 rev. 21.2. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.6-3	Part D.1 403(1) Part D.1 403(2)	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for the Substation Structures is consistent with the drawing nos. NSRP-DWG-SS12-ST-4301, 4302, 4311 and 4312 Rev21. Further, the BOQ quantity / sum of reinforcing steel is also consistent with the Technical Specifications Method of Measurements for Steel Reinforcements SCRP_TS 400_Annex A, Section 403. Please refer to the updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.6-3	Part D.1 405(3)b Part D.1 405(10)b Part D.1 405(6)b Part D.1 405(7)b Part D.1 405(8)b Part D.1 405(9)b Part D.1 405(16)	Please clarify discrepancy between sum of structural concrete for column, beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for column, beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete are consistent with the drawing nos. NSRP-DWG-SS12-ST-4101 to 4302 rev. 21.3 & NSRP-DWG-SS12-ST-4311,4312 rev. 21.2. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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S-05		Vol.1A Sec.4A BOQ		BOQ No.6-4	Part D.1 403(1) Part D.1 403(2)	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of reinforcing steel for the Substation Structures is consistent with the drawing nos. NSRP-DWG-SS13-ST-4301, 4302, 4311 and 4312 Rev21. Further, the BOQ quantity / sum of reinforcing steel is also consistent with the Technical Specifications Method of Measurements for Steel Reinforcements SCRP_TS 400_Annex A, Section 403. Please refer to the updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.6-4	Part D.1 405(3)b Part D.1 405(10)b Part D.1 405(6)b Part D.1 405(7)b Part D.1 405(8)b Part D.1 405(9)b Part D.1 405(16)	Please clarify discrepancy between sum of structural concrete for column, beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for column, beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete are consistent with the drawing nos. NSRP-DWG-SS13-ST-4101 to 4302 rev. 21.3 & NSRP-DWG-SS13-ST-4311,4312 rev. 21.2 Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Vol.1A Sec.4A BOQ		BOQ No.6-5	Part D.1 403(1) Part D.1 403(2)	Please clarify discrepancy between sum of reinforcing steel in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for column, beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete are consistent with the drawing nos. NSRP-DWG-SS14-ST-4101 to 4302 rev. 21.3 & NSRP-DWG-SS13-ST-4311,4312 rev. 21.2 Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05		Vol.1A Sec.4A BOQ		BOQ No.6-5	Part D.1 405(3)b Part D.1 405(10)b Part D.1 405(6)b Part D.1 405(7)b Part D.1 405(8)b Part D.1 405(9)b Part D.1 405(16)	Please clarify discrepancy between sum of structural concrete for column, beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete in drawings and BOQ.	<i>The Bidder is advised that the BOQ quantity / sum of structural concrete for column, beam, tie beam, slab on fill, reinforced concrete wall, elevated slab/concrete stairs/concrete gutter and blinding concrete are consistent with the drawing nos. NSRP-DWG-SS14-ST-4101 to 4302 rev. 21.3 & NSRP-DWG-SS14-ST-4311,4312 rev. 21.2. Please refer to the Updated BOQ which shall be issued as Addendum 4.</i>
S-05		Volume 2 02_S05 ARCH	NSRP-DWG-SPO- AR-3566	Schedule of Elevators and Escalators		We understand that SCRIP Project has the escalators with a 30 degrees. However, some escalators only have 35 degrees instead of 30 degrees. Please clarify if it is a simple error.	<i>Bidder is advised that it is not an error. There shall be 2 types of escalators to be used as per NSRP-DWG-SPO-AR-3566 rev 21</i>
S-05		Volume 2 02_S05 ELEC	NSRP-DWG-SPO- EL-5011	Low Voltage Power Single Line Diagram		Please verify the scope of work for cable installation between LVSG & MDB as below items. 1) The scope of supply and installation work for interconnection cables 2) The scope of cable termination work inside LVSG as shown above picture.	<i>1)The scope of supply and installation work for interconnection cables (MDB's feeder) is from the outgoing circuits/load side of LVSG. Please refer to the demarcation or scope of works boundary on NSRP-DWG-SPO-EL-5011v21.2. 2) The scope of cable termination work inside LVSG is by others.</i>
S-05		Volume 2 02_S05 ELEC	NSRP-DWG-SPO- EL-5011	Low Voltage Power Single Line Diagram		We need information for generator specification as shown below picture. Please provide it to evaluate technical and cost.	<i>Bidder is advised to refer to TS 718 issued under Addendum 4.</i>
S-05		BOQ Bill No 2		Item No. 103(4)	NSRP-DWG-VIA05-RD-2003~2006	With regard to 'Bill No 2 Part A 103(4) Crushed Gravel Fill', there is discrepancy between BOQ quantity (39,993cum) and the tenderer's quantity estimated by referring to the Gravel fill area from the road sections and the corresponding station limits (lengths). Please clarify the Client's method of 'Crushed Gravel Fill' quantity calculation.	<i>The BOQ shall be revised for the appropriate quantity of Item 103(4). Updated / revised BOQ shall be issued as Addendum 4.</i>
S-05		TQ8	52	Generator		TQ8 indicates to refer TS-700, SCRIP Page 196. However, TS-700, SCRIP's last page number is 157. Please clarify.	<i>Bidder is advised to refer to TS 718 issued under Addendum 4.</i>
S-05		3	Section 8 Attachment 1	Summary of Key Dates	KD02-3 Complete a minimum and continuous length of 9,000 metres within any viaduct section	As per description of KD02-3, is it allowable to split continuous 9,000 metres to 2 continuous track i.g 6,000 metres and 3,000 metres.	<i>Bidder is advised that yes it is allowable to split continuous 9,000 meter to 2 continuous track.</i>

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S-06		Volume 2 02_S06 ELEC	NSRP-DWG-CAL- EL-5011	Low Voltage Power Single Line Diagram		<p>Please verify the scope of work for cable installation between LVSG & MDB as below items.</p> <p>1) The scope of supply and installation work for interconnection cables</p> <p>2) The scope of cable termination work inside LVSG as shown above picture.</p>	<p><i>1) The scope of supply and installation work for interconnection cables (MDB's feeder) is from the outgoing circuits/load side of LVSG. Please refer to the demarcation or scope of works boundary on NSRP-DWG-CAL-EL-5011v21.2.</i></p> <p><i>2) The scope of cable termination work inside LVSG is by the scope of work by others.</i></p>
S-06		Volume 2 02_S06 ELEC	NSRP-DWG-CAL- EL-5011	Low Voltage Power Single Line Diagram		<p>We need information for generator specification as shown below picture.</p> <p>Please provide it to evaluate technical and cost.</p>	<p><i>Bidder is advised to refer to TS 718 issued under Addendum 4.</i></p>
S-06		BOQ Bill No2		Item No. 103(4)	NSRP-DWG-VIA06-RD-2003~2008	<p>With regard to 'Bill No 2 Part A 103(4) Crushed Gravel Fill', there is a big difference between BOQ quantity (40,734cum) and the tenderer's quantity estimated by referring to the Crushed Gravel fill area from the drawings (maintenance road typical cross section).</p> <p>Please clarify the Client's method of 'Crushed Gravel Fill' quantity calculation.</p>	<p><i>The BOQ shall be revised for the appropriate quantity of Item 103(4). Updated / revised BOQ shall be issued as Addendum 4.</i></p>
S-06		TQ8	56	Generator		<p>TQ8 indicates to refer TS-700, SCRP Page 196. However, TS-700, SCRP's last page number is 157. Please clarify.</p>	<p><i>Bidder is advised to refer to TS 718 issued under Addendum 4.</i></p>
S-07		Volume 2 02_S07 ELEC	NSRP-DWG-OCC- EL-5021	Low Voltage Power Single Line Diagram		<p>Please verify the scope of work for cable installation between LVSG & MDB as below items.</p> <p>1) The scope of supply and installation work for interconnection cables</p> <p>2) The scope of cable termination work inside LVSG as shown above picture.</p>	<p><i>1) The scope of supply and installation work for interconnection cables (MDB's feeder) is from the outgoing circuits/load side of LVSG. Please refer to the demarcation or scope of works boundary on NSRP-DWG-OCC-EL-5021v21.2.</i></p> <p><i>2) The scope of cable termination work inside LVSG is by the scope of work by others.</i></p>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07		Site data 10.17 - Depot Design Report (S- 07)_Draft	440	c) Consolidation Assessment	In this regard, JDT determined that it was not necessary to implement any consolidation acceleration technique (e.g. surcharge, vertical drains, etc.).	According to "10.17 Depot Design Report(S-07)", Immediate and consolidation settlement is estimated for S-07 Depot embankment area. The estimated value of consolidation settlement is considered to be within the allowable limit (500mm) for ballasted tracks. The report concludes no consolidation acceleration technique is implemented in Detailed Design. We consider, based on the design outcome of the report and Detail Design, the embankment construction is subject to immediate and consolidation of natural ground during construction and over the defect liability period 12 months. 1. Please clarify, should the contractor consider the additional material quantity to recover the settlement during construction period? 2. Please clarify what is contractor's responsibility for the additional settlement increase introduced during defect liability period 12months.	<i>Bidder is referred to tender Addendum 3 – Provisional Sum added for additional Ground Investigations and Ground Improvements</i>
S-07		GBB18, Clarification Batch 10.	49	CP S- 07_EL_01_OCC ECB for Air conditioning Units		This TQ indicates to refer NSRP-DWG_OC-EL5050/v21.2 5051/v21.3. But we can't find these documents.	<i>Bidder is advised to refer to NSRP -DWG-OCC-EL-5092V 21.3 for ECB's of air-conditioning units.</i>
S-07		NSRP-DWG-OCC- AR-3441		Elevation	20mm Polished Granite Wall Cladding	Granite wall cladding is applied for wall finish surrounding the Elevator door. However, this granite wall finish is omitted in the "Interior Schedule of Finish" (NSRP-DWG-OCC-AR-3601&3602). In addition, it is omitted in the BOQ, too. Please clarify.	<i>Bidder is advised to refer to the schedule of finishes at sheets NSRP-DWG-OCC-AR-3601 & 3602 issued as Rev21.3 under Addendum 4.</i>
S-04		Volume 2, TS 700 712.2		Grounding Electode System		We understand that the installation for Earthing system is required, according to the BOQ, the Earthing System work only appears for building/station work. However in TS 700 712.2 Grounding Electride System mentioned that the system also applied for the mainline work also but in the BOQ for mainline work doesn't invlove the Earthing system. Please Can you clarify this point.	<i>The Bidder is advised that the Earthing System for the mainline is not covered by the Civil Works Contractor's Scope of Work. The Mainline Earthing System shall be covered by the E&M Contractor (or By Others) under Package CP NS-01.</i>
S-04		BOQ No. 4-2		additional list added to BOQ		We recieved an additional item in the BOQ which are Touch Voltage insulation and Soil Treatment/Poinsoning, therefore may we ask for specification or detailed drawing of the items. Please Clarify whether it is in GS, TS or in other docuements	<i>Please refer to Technical Specifications, TS 500, Section TS 565 for Touch Voltage Insulation and Section TS 502 for Soil Treatment.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05		Volume 2, TS 700 712.2		Grounding Electode System		We understand that the installation for Earthing system is required, according to the BOQ, the Earthing System work only appears for building/station work. However in TS 700 712.2 Grounding Electride System mentioned that the system also applied for the mainline work also but in the BOQ for mainline work doesn't invlove the Earthing system. Please Can you clarify this point.	<i>The Bidder is advised that the Earthing System for the mainline is not covered by the Civil Works Contractor's Scope of Work. The Mainline Earthing System shall be covered by the E&M Contractor (or By Others) under Package CP NS-01.</i>
S-05		BOQ No. 4-2		additional list added to BOQ		We recieved an additional item in the BOQ which are Touch Voltage insulation and Soil Treatment/Poinsoning, therefore may we ask for specification or detailed drawing of the items. Please Clarify whether it is in GS, TS or in other docuements	<i>Please refer to Technical Specifications, TS 500, Section TS 565 for Touch Voltage Insulation and Section TS 502 for Soil Treatment.</i>
S-06		General			Bank Fees related to foreign currency under the Payment Claim by the Contractor	The Bidder would like to confirm that the bank fees and charges entailed to the payments to be made to the Contractor shall be borne by the Employer?	<i>Bidder is advised to refer to Clause 14.1 (b) of the GCC.</i>
S-06		Vol 1 Section 2	BDS 4	ITB 19.1 Bid Security		The Bidder would like to know if the Employer may accept the Bid Security issued by Sumitomo Mitsui Banking Corporation whose head office is in Tokyo, Japan and has branch in Manila, Philippines.	<i>It is acceptable as long as the bidder can demonstrate that those conditions specified under ITB 19 has been satisfied.</i>
S-06		Vol 1 Section 2	BDS 4	ITB 19.1 Bid Security		Bidder would like to clarify if each member of the Joint Venture (JV) can submit Bid Security separately under the name of the JV with the Security amount propotionate to each JV member's share of the works.	<i>The Employer will only accept one (1) Bid Security pursuant to ITB 19.1 to 19.8 . The Bid Security of a Joint Venture shall be in the name of the Joint Venture that submits the Bid. If the Joint Venture has not been legally constituted at the time of Bidding, the Bid Security shall be in the name of any or all of the Joint Venture partners.</i>
S-06		Vol 1 Section 2	BDS 6	ITB 38.2	The qualifications of other firms such as Bidder's subsidiaries, parent entities, affiliates shall be permitted.	Please specify the procedure that the Bidder needs to take in order to submit the qualifications of the Bidder's subsidiary, parent entity or affiliate company.	<i>The Bidder shall fill out the Affiliate Company Guarantee Form included in Section 4 (Bidding Forms) for each subsidiary, parent entity, affiliate, etc. that the Bidder submits for consideration of the Employer in determining its qualification.</i>
S-06		Vol 1, Sec 3 and Vol 1, Sec 4	EQC 21 and BF 52	2.3.1 Historical Financial Performance and Form FIN-1 Historical Financial Performance	In Form FIN-1: "Attached are copies of financial statements (balance sheets including all related notes, and income statements) for the last five (5) years..."	The Bidder would like to clarify if the Eligible (Foreign) Bidders are required to submit Notarized and Authenticated Five (5) years Financial Statement (FS)?	<i>Notarization and authentication is not required. However, Bidder to pay attention to notes in FIN-1 Form which specifies: " Historical financial statements must be audited by a certified accountant. " Bidder is also referred to ITB 20.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Vol 1 Section 4	BF 3	Letter of Bid	(q) We have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract: ³ ... ³ If none has been paid or is to be paid, indicate "None".	The Bidder would like to clarify if the fee/receipt in purchasing the Bid Documents is considered in this clause?	Yes.
S-06		Vol 1 Section 4	BF 50	Form ELI-2 Joint Venture Information Sheet	2. Authorization to represent the firm named above, in accordance with ITB 20.2	The Bidder would like to clarify if the authorization to represent the firm as a Specialist Subcontractor is required to attach in the Form ELI-2.	<i>Bidder is referred to Form ELI-2 "Each member of the Joint Venture and Specialist Subcontractor must fill out this form separately. "</i>
S-06		Volume 1 Section 4	BF 56	Bidding Forms Form FIN-5	-Note- 1. Form FIN-5 is made available for use by the bidder as a self-assessment tool, ... Failure to submit Form FIN-5 by the Bidder shall not lead to bid rejection.	Bidder understands that it is not necessary to include Form FIN-5 in the submission of Bid. Is Bidder's understanding correct?	<i>Bidder is requested to submit all necessary Bidding Forms provided in the Bidding Documents</i>
S-06		Vol 3 Section 8	PCC 3	PCC 4.2 Performance Security		Bidder would like to know if the Employer may accept Performance Security is issued by Sumitomo Mitsui Banking Corporation whose head office is in Tokyo, Japan and has branch in Manila, Philippines.	<i>It is acceptable as long as the bidder can demonstrate that those conditions specified under ITB 44 has been satisfied.</i>
S-06		Vol 3 Section 8	PCC 3	PCC 4.2 Performance Security		Bidder would like to clarify if each member of the Joint Venture (JV) can submit Performance Security separately under the name of the JV with the Security amount proportionate to each JV member's share of the works.	<i>There should only be one Performance Security. Bidder is referred to ITB 44 and PCC Part B - 4.2</i>
S-06		Vol 3 Section 8	PCC 4	PCC 14.2 Total Advance Payment		Bidder would like to clarify if each member of the Joint Venture (JV) can submit Advance Payment Security separately under the name of the JV with the Security amount proportionate to each JV member's share of the works.	<i>There should only be one Advance Payment Security.</i>