



**General Bid Bulletin No. 20**  
**April 13, 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 11)

For your information and guidance.

For the Bids and Awards Committee VI,

**(SGD)**

**MARIA JENNIFER R. JIMENEZ**

*Vice Chairperson*

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	1	Section 4 Bidding Forms	BF 44			According to this section, the Bidder has to submit BIM Implementation Plan with CMMS. Please provide detail requirements of CMMS.	<i>CMMS (Software) is not yet identified and CMMS Document is being developed to address consolidated information requirements from O&amp;M, DOTr and PNR. Bidders may refer to CP NS-01 Volume Part 2 Section 1 CMMS V9, Section 11.4.6- Software Requirements and Section 11.5- Interface Requirement.</i>
S-05	1	Section 4	BF34	Bidding Form	Design Submittal and Design Review Program	The document states "Where the Scope of Works requires the Contractor to conduct any elements of design, a further discrete Draft Design Submission and Review Program (DDSDRP) shall be submitted by the Bidder as part of its Bid proposal". Regarding to the Scope of Works requiring Bidder's design, more detailed explanation is requested in conjunction with the contract type (designed by Engineer and admeasurement unit price).	<i>The Contractor will be responsible for design of, but not limited to, temporary works and builders work in connection with services and any other design as specified in the Bidding Documents.</i>
S-04	1	Sec 4A BOQ	26 / 32 / 67		Static Load Test (SLT)	Please clarify how many Compressive load test, Tensile Load Test, lateral load test shall be conducted for 11 tests of Viaduct? And clarify how many Compressive load test, Tensile Load Test, lateral load test shall be conducted for 2 tests of each station?	<i>11 test piles required only compressive load test. Other test is not necessary</i>
S-07	-	Site Data 10.4 Hydrology Report			-	The Hydrology Report is mainly discussing design of Permanent Works, not providing sufficient information for temporary drainage design. Please provide design parameters for temporary drainage design such as design return period at construction stage, and surface runoff coefficient of embankment.	<i>The Hydrology and drainage report discusses permanent works of the project. Analysis of the temporary works are not provided as temporary diversion of existing canals are typically done by the contractor on site.</i>
S-07	1	Part IA Section 4A BOQ	3	Figure 9.2.1	3	Please provide detail quantities of 'Line all watercourses with rip-rap erosion protection' item, including supplementary drawings of location and applied area of the rip-rap.	<i>The work item for "Line all watercourses..." together with the work Items for "Clean-out all watercourses..." have been deleted from the BOQ, Bill No. 5 and transferred to the Bill No. 8-Provisional Sum, PS-7. Please refer to the Updated Bill No. 8 which shall be issued as Addendum 2.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	-	Section 8 PCC	PCC-10	Part B – Specific Provision	“ad measurement” means focused measurement on change to limited items to show the increase or decrease in an item or limited series of items so that the cost saving or cost increase can be ascertained and reported. It excludes comprehensive remeasurement	We kindly request of the definition of an admeasurement contract and clear difference with remeasurement. In the GCC,” The conditions of Contract have been prepared for an ad measurement (unit price or unit rate) type of contract and cannot be used for other types of contract”	<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>
S-05	1	Part IA, Section 4	29 of 208	Bill of Quantities, No. 3, Part A	Item 201(2)a of pile cap excavation in dry condition, 201(4)d of backfill, and 201(5)b of pile cap excavation (in dry conditions) (unsuitable materials)	Please confirm that the volume of excavation and backfilling for all these items are excluding the volume of extra excavation for slope stability.	<i>Please refer to the revised standard method of measurement in Addendum 3 for calculation of excavation volume</i>
S-05	3	CP S04-07 Responses to Clarification Requests (Batch 2) & Volume 3 Section 8	(Pdf No. 13 out of 47)  PCC 10	Part B (sub-clause 1.1.6.12)	<p>Bidder is advised as follows; Clarification for Section 8 PCC page PCC-10 Part B -Specific Provision: The Works design is Detailed Design and the Bills of Quantities have been measured to reflect the Detailed Design. This means that with limited exclusions there will be no reason to remeasure the Works. Admeasurement is the measurement of change from the Detailed Design to the revised designs as instructed. This will not require wholesale remeasurement.</p>	<p>It is the bidder’s understanding that although it is mentioned as an ad measurement type of contract, the payment of the work shall be in accordance with the general conditions of contract shall be FIDIC MDB Harmonized Construction Contract.</p> <p>As per FIDIC MDB, sub-clause 12.2 (Method of Measurement), and sub-clause 14.1.c, it is understood that this is a re-measurable type of contract. However, this contradicts with Ø the explanations provided in the CP S04-07 Responses to Clarification Requests (Batch 2) “The Works design is Detailed Design and the Bills of Quantities have been measured to reflect the Detailed Design. This means that with limited exclusions there will be no reason to remeasure the Works. Ad measurement is the measurement of change from the Detailed Design to the revised designs as instructed. This will not require wholesale remeasurement.”</p> <p>And; Ø Specific Provision provided in Section 8 PCC page PCC-10 Part B (sub-clause 1.1.6.12).</p> <p>Please kindly confirm that, in terms of payment to the contractor, the contract shall be re-measurable type and any quantities which may be set out in the Bill of Quantities or other Schedule are estimated quantities and are not to be taken as the actual and correct quantities. Measurement shall be made of the net actual quantity of each item of the Permanent Works. Accordingly, the payment to the contractor will be in accordance with the actual and correct quantities measured on-site.</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>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	1	Section 4A – Bill of Quantities	96	BI Pipes (including accessories and fittings)	ITEM No. DESCRIPTION UNIT QUANTITY 630(8) Stand Pipe and Hose System L.S. 1,00	We kindly request you to give subitems for this item.	<i>The Bidder is advised to Please refer to Drawing No. NSRP-DWG-STA-FS-9001 Rev 21/General Notes/Stand Pipe and Hose, Item Nos. (1) through (9) and NSRP-DWG-STA-FS-9011 Rev 21/General Station Standard Details Sheet 1. In conjunction with the drawings and BOQ - Please also refer to the Technical Specifications, TS 600, Section 630-Fire Fighting System.</i>
S-04	2	Specifications		GS 106	Laboratory	Please provide Minimum Test Requirements for derivation of materials testing cost	<i>For Testing &amp; Inspection (QA/QC) - the Bidder is advised to Please refer to the General Specifications (GS), Section 115-Quality Assurance and Quality Control Requirements. Please also refer to the SCRP Vol.2 Sec.6 IB Appendix 2 QA.</i>
S-04		714.1.2		Electrical Specifications	Testing and Commissioning; Submittals	Please confirm if the Coordination Study is part of our scope.	<i>Yes, it is Contractor's scope.</i>
S-05	2		NSRP-DWG-SRO-EL-5011	Single Line Diagram	MDB to LVSG	Please clarify if MDB Panels to LVSG are included in our scope of works. If yes, please provide location of LVSG and cable tray layout and dimension from MDB's to LVSG.	<i>LVSG is not part of bidder's scope of work. This panel is by others.</i>
S-05		714.1.2		Electrical Specifications	Testing and Commissioning; Submittals	Please confirm if the Coordination Study is part of our scope.	<i>Yes, it is Contractor's scope.</i>
S-06		714.1.2		Electrical Specifications	Testing and Commissioning; Submittals	Please confirm if the Coordination Study is part of our scope.	<i>Yes, it is Contractor's scope.</i>
S-07	2	Book 1 (Civil) 03_CP S-07_General	-	NSRP-SW-ALT-PL-D-0001 - 0003 Depot Track Alignment		Please provide different sections showing Width of Ballasted track	<i>Refer to Drawings Rev 21. 'NSRP-DWG-DEP-RD-1213,1601-1626'</i>
S-04	1	Sec 4A BOQ	94		Line all watercourses with rip-rap erosion protection	There is no Technical Specification clause. Please, provide specific scope. Is the scope only in ROW? For water courses with existing but incomplete or with damaged on some portion, will the Contractor complete or repair the remaining (with the same existing material)?	<i>1.) The items concerning the watercourses with riprap erosion protection was transfer to PS in Bill No.8 In this regard, the Item shall be deleted from the BOQ for such item is not necessary. Please refer to the updated Bill No.8 Schedule of Provisional Sum issued in Addendum 2. 2.) For the riprap details please refer to NSRP-DWG-VIA00-DR-1406 Rev 21.</i>
S-04	2	Sec 6 IC Technical Specification	22	101.2.2	All disposal areas, whether on or off site, shall be seeded, fertilized and mulched at the Contractor's expense.	For seeding, fertilizing and mulching, the disposal area needs grading & compaction. There is no mention of grading and compaction in the technical specification. Please, clarify whose scope it is. The contractor or others?	<i>Bidder shall comply with all the requirements as stated in 101.2.2</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	1	Sec 4A BOQ		GS133(1)	GS133(1) Trees to be root balled, packaged ready for transport elsewhere to be replanted	<p>Please clarify that the work scope of contractor for GS113(1) 'Trees to be root balled, packaged ready for transport elsewhere to be replanted'</p> <p>- The work scope of contractor is that Trees to be root balled, packaged nearby or including transport and replant the Trees?</p>	<p><i>Tree Inventory Survey Data will be shared in Addendum 3.</i></p> <p><i>The BOQ items will be removed and replaced with a PS.</i></p>
S-04		CP S-04_02_Structural_SS_07-09	NSRP-DWG-SS07-ST-4001 NSRP-DWG-SS08-ST-4001 NSRP-DWG-SS09-ST-4001			<p>Please clarify that EF2 equipment foundation work is bidder's work scope or not.</p>	<p><i>The EF2 equipment foundation is the bidder's scope of work.</i></p>
S-05	1	Sec 4A BOQ	161		Line all watercourses with rip-rap erosion protection	<p>There is no Technical Specification clause.</p> <p>Please, provide specific scope. Is the scope only in ROW?</p> <p>For water courses with existing but incomplete or with damaged on some portion, will the Contractor complete or repair the remaining (with the same existing material)?</p>	<p><i>1.) The items concerning the watercourses with riprap erosion protection was transfer to PS in Bill No.8</i></p> <p><i>In this regard, the Item shall be deleted from the BOQ for such item is not necessary.</i></p> <p><i>Please refer to the updated Bill No.8 Schedule of Provisional Sum in Addendum 2</i></p> <p><i>2.) For the riprap details please refer to NSRP-DWG-VIA00-DR-1406 Rev 21.</i></p>
S-05	1	Sec 4A BOQ		GS133(1)	GS133(1) Trees to be root balled, packaged ready for transport elsewhere to be replanted	<p>Please clarify that the work scope of contractor for GS113(1) 'Trees to be root balled, packaged ready for transport elsewhere to be replanted'</p> <p>- The work scope of contractor is that Trees to be root balled, packaged nearby or including transport and replant the Trees?</p>	<p><i>Tree Inventory Survey Data will be shared in Addendum 3.</i></p> <p><i>The BOQ items will be removed and replaced with a PS.</i></p>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05		CP S-05_02_Structural_SS_10-14	NSRP-DWG-SS10-ST-4001 NSRP-DWG-SS11-ST-4001 NSRP-DWG-SS12-ST-4001 NSRP-DWG-SS13-ST-4001 NSRP-DWG-SS14-ST-4001			Please clarify that EF2 equipment foundation work is bidder's work scope or not.	<i>The EF2 equipment foundation is the bidder's scope of work.</i>
S-06	1	Sec 4A BOQ	143		Line all watercourses with rip-rap erosion protection	There is no Technical Specification clause. Please, provide specific scope. Is the scope only in ROW? For water courses with existing but incomplete or with damaged on some portion, will the Contractor complete or repair the remaining (with the same existing material)?	<i>1.) The items concerning the watercourses with riprap erosion protection was transferred to PS in Bill No. 8. In this regard, the Item shall be deleted from the BOQ for such item is not necessary. Please refer to the updated Bill No. 8 Schedule of Provisional Sum (submitted as rev. 21.2). 2.) For the riprap details, please refer to NSRP-DWG-VIA00-DR-1406 Rev 21.</i>
S-07	1	Sec 4A BOQ	TS: 78 of 180 DB1: 104 of 127 DB2: 119 of 127	Bill No 5. Part E Drainage System for Detention Basin 1 and 2 TS 112.4.1 Steel Grating DRG NO. NSRP-DWG-DB1-ST-4102/4112; NSRP-DWG-DB2-ST-4102/4112	112 (3) Removable Cast Iron Cover	1) In BOQ pay item the detention cover is Removable Cast Iron Cover but in TS 112.4.1 the cover are Steel Grating, mild steel and hot dip galvanized, please confirm if we will follow the TS112.4.1 for the following: 1.1) Manhole for DB1 (1.8m x 1.8m) and for DB2 (1m x 1m) 1.2) Access hatch (3m x 2.5m) 1.3) Backhoe Opening DB1 (4m x 4m) and DB2 (3m x 3.5m)  2) Please provide detailed drawing for the above items	<i>1)The BOQ shall be revised for the appropriate work item description and quantity of the removable cover for the Detention Basin. Updated BOQ shall be issued as Addendum 3. 2) Detail of manhole across hatch and backhoe opening already provided in DB1 ST -4112 and DB2 - ST-4112</i>
S-07	2	Sec. 01_Specifications, Book 02_TS, SCRP_TS 500	TS 500-442	TS 557.1/ Elevator; The Work	ELEVATOR Control Center: a remote-control center located in the transit maintenance depot at Valenzuela which monitors all control systems.	As indicated in the specification "Control Center: a remote-control center located in the transit maintenance depot at Valenzuela which monitors all control systems." , please confirm not part of our scope?	<i>The work for the Control Center located in Valenzuela is not the bidders scope. However, the bidder should interface with the E&amp;M to provide the elevator monitoring signals.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	3	Bid Bulletin 7 and 10  Volume 3 Section 7 GCC	-	Bid Bulletin 7, Volume 3, Section 8 PCC, Part B Specific Provision  Bid Bulletin 10, Volume 3, Section 7 GCC, GCC1  PARTICULAR CONDITION  GCC 14.1  GCC 1	GBB 7 - ad measurement  GBB 10 - conditions of the contract have been prepared for an ad measurement  PARTICULAR CONDITION 1.1.6.12 Other Definitions - ad measurement  GCC 14.1 Contract Price  GCC 1 last paragraph "The Conditions of Contract have been prepared for an ad measurement (unit price or unit rate) type of contract and cannot be used for other types of contract."	QUERY : We would like to clarify further the nature of an ad measurement contract and its basis of measurement and payment. What will be the treatment on the following scenarios: 1) If in the BOQ, the quantities of structural excavation are 10,000 cu.m. but the actual quantities measured are 12,000 cu.m. without any changes in drawings or specifications. Will the Contractor be paid based on the actual quantities of 12,000 cu.m.? 2) If in the BOQ, the quantities of structural excavation are 10,000 cu.m. but the actual quantities measured is 8,000 cu.m. without any changes in drawings or specifications. Will the contractor be paid based on the actual quantities of 8,000 cu.m.? 3) for the manhole /catch basin (1 unit) where only the size of the manhole cover be revised, assuming from 800mm x 800mm to 1000mm x 1000mm. The contractor will submit the variance of unit rate related to the changes of the manhole cover only and not to remeasure the wall and bottom slab and other appurtenances of the manhole /catch basin, i.e. only for the additional 200mmx200mm increase in size. The same question applies for reduction in size, example from 800mm x 800mm to 600mm x 600mm.	<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>  <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>  <i>Bidder is advised that PCC Clause 1.1.6.12 related to ad-measurement definition will be removed in Addendum 3.</i>
S-07	-	General	-	-	Structural Steel Works	Please clarify if Client will be requiring Factory Acceptance Testing. For our consideration, how many person/representatives from Client side shall we consider?	<i>There will be 6 representatives for FAT.</i>
S-04	2	Vol.2 Sec.6 IB	GS 100 - Appendix 9 - Page 2	-	Project Management Information Systems (PIMS)	Are you thinking on having a web BIM platform integrating all Softwares as a onsource of truth? To manage interfaces from DOORS requirements, for example that are not connected to BIM Models?	<i>Please refer to Updated SCRP Vol.2 Sec.6 IB Appendix 9 PMIS the Employer's and Engineer's software platform for the EDMS (electronic document management system) is Oracle Aconex for managing information throughout the lifecycle of the project.</i>
S-05	2	Vol.2 Sec.6 IB	GS 100 - Appendix 9 - Page 2	-	Project Management Information Systems (PIMS)	Are you thinking on having a web BIM platform integrating all Softwares as a onsource of truth? To manage interfaces from DOORS requirements, for example that are not connected to BIM Models?	<i>Please refer to Updated SCRP Vol.2 Sec.6 IB Appendix 9 PMIS the Employer's and Engineer's software platform for the EDMS (electronic document management system) is Oracle Aconex for managing information throughout the lifecycle of the project.</i>
S-06	2	Vol.2 Sec.6 IB	GS 100 - Appendix 9 - Page 2	-	Project Management Information Systems (PIMS)	Are you thinking on having a web BIM platform integrating all Softwares as a onsource of truth? To manage interfaces from DOORS requirements, for example that are not connected to BIM Models?	<i>Please refer to Updated SCRP Vol.2 Sec.6 IB Appendix 9 PMIS the Employer's and Engineer's software platform for the EDMS (electronic document management system) is Oracle Aconex for managing information throughout the lifecycle of the project.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	2	Vol.2 Sec.6 IB GS 113.2 & Vol.1A Section 4A BoQ	GS 131.10 & GS 131	-	Measurement and Payment	<p>In accordance with the referred GS 131.10 section, it is stated that "No separate payment shall be made for undertaking Works in the vicinity of existing operating Philippine National Railway and all associated costs shall be deemed to be included in the other BOQ items".</p> <p>However, BOQ Item GS131 is required to fill a separate price for the same work. please clarify it.</p>	<p><i>Granite studs within granite block</i>  <i>Tactile: Top of dome: dia. 25mm, Bottom of dome: dia.35mm</i>  <i>Height: 5mm.</i>  <i>Tile dimensions: Size to match the paving design 300 X 300 mm.</i>  <i>Thickness: 30 mm. This matter shall be reflected in the updates to the drawings, TS and BoQ.</i></p>
S-06	3	Vol.3 Sec.8 PCC 18.2(d) & Vol.2 Sec.6 IB GS 130.2.2 c)	PCC5 & GS95	-	Maximum amount of deductibles for insurance of the Employer's risks	<p>According to the Addendum 1, it is revised the Maximum amount of deductibles for insurance of the Employer's risks from 500,000 USD to 150,000 USD ~250,000 USD.            And GS 130.2.2 c) stipulates that "If commercially available, required from the Commencement Date until date of Taking Over Certificate".</p> <p>However, it is advised that the current insurance market is not commercially available to provide the revised condition.</p> <p>In this regard, it is requested to mitigate the insurance condition to available insurance market standard as below.</p> <ul style="list-style-type: none"> <li>- GCC 17.3(c) – commotion and riots 150,000 USD per occurrence. → 5% of Loss or 150,000 USD whichever greater per occurrence.</li> <li>- GCC 17.3(g) – Employer's Design risks 250,000 USD per occurrence. → 10% of Loss or 350,000 USD whichever greater per occurrence.</li> <li>- GCC 17.3(h) – Natural Catastrophes 250,000 USD per occurrence. → 10% of Loss or 350,000 USD whichever greater per occurrence.</li> </ul>	<p><i>The deductibles for insurance of the Employer Risks is currently under review by the Employer. Revised requirements are expected to be issued in Addendum 3</i></p>



**CP S04-07 Responses to Clarification Requests (Batch 11)**

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	1	Volume 1, Part IA section 4 Bill of Quantities  Volume 2, Book 2 (Architectural)-Package CP S-06: Cabuyao Station Architectural Drawings Book 2 (Architectural)-Package CP S-06: Banlic Station Architectural Drawings Book 2 (Architectural)-Package CP S-06: Calamba Station Architectural Drawings	-	BOQ No.4-1 Cabuyao Station BOQ No.4-2 Banlic Station BOQ No.4-3 Calamba Station.  NSRP-DWG-CAB-AR-3539-3540  NSRP-DWG-BAN-AR-3540  NSRP-DWG-CAL-AR-3539-3541	327(8) FF11 FF11 Floor: 300 x 600 x 20mm Warning Tactile Floor Block 327(9)FF16 Floor: 300 x 800 x 20mm Non-Slip Tactile Strip 327(12)FF12 Floor: 300 x 600 x 20mm Directional Tactile Floor Block  Cabuyao Station PWD Ramp Entrance sheet 1-2  Banlic Station PWD Ramp Entrance  Calamba Station PWD Ramp Entrance sheet 1-3	There is no type of material for Warning Tactile, Non-Slip Tactile Strip and Directional Tactile floor block indicated in Specification 537, Drawing and BOQ. Please provide the material details. Is it granite or concrete block?	<i>Granite studs within granite block Tactile: Top of dome: dia. 25mm, Bottom of dome: dia.35mm Height: 5mm. Tile dimensions: Size to match the paving design 300 X 300 mm. Thickness: 30 mm. This matter shall be reflected in the updates to the drawings, TS and BoQ.</i>
S-04	2	Volume 2	-	Geotechnical Investigation Work	Geotechnical Investigation Work	Please provide number of sets and length per set to be done	<i>Refer to TS 204.2.7.2~3 , Bores shall be taken 1 number per pier or abutment. And location shall be center of pier or abutment.</i>
S-04	1	Vol 1, Bill of Quantities No. 3 Part B.1  Vol 2, Part II Requirements, Section 6, IC - Technical Specifications	TS200 - 55	Substructural Work Foundation Works	Geotechnical Investigation works	Section 204.2.7.2 states that the location of bore holes will be at the centreline of each pier and abutment of the bridge/viaduct along the centreline of the alignment. Please confirm if the investigation will also be required where previous boreholes have been done at pier locations as shown in the drawings.	<i>Refer to TS 204.2.7.2~3 , Bores shall be taken 1 number per pier or abutment. And location shall be center of pier or abutment.</i>
S-06	2	Section 6 of Volume 2 - TS200 Technical Specification	206.7.8 & 206.7.8.1	Mass Concrete & Maximum temperature and temperature differences	Mass concrete .... 1) the maximum temperature in concrete after placement shall not exceed 70 deg. 2) The maximum temperature difference between center and surface of placement shall not exceed 20 deg.	Please confirm the definition of Mass Concrete is representing to unreinforced concrete ?	<i>The mass concrete is with reinforcement concrete, i.e. pile cap and the like.</i>
S-04	1	Volume 1 Part IA – Bidding Procedures Section 4 – Bill of Quantities (Addendum GBB 11)	5/15	Preamble Clause 9	The rates and prices quoted in the priced Bills of Quantities shall, except insofar as it is otherwise provided under the Contract, include all construction plant, labor, supervision, materials, erection, maintenance, insurance, overheads, profit, taxes including tax deducted at sources, levies, and duties and other charges, together with all general risks, liabilities, and obligations set out or implied in the Contract.	It is requested from the contractor to include maintenance cost in unit prices, however it is required to be clarified by the employer that; how many years maintenance is requested and what is the details of maintenance requirement.	<i>Maintenance (during construction) is included as set forth in the Preamble, Item (9). Please also refer to the General Conditions of Contract (GCC) and the Particular Conditions of Contract (PCC) for related provisions. However, the operation and maintenance costs (after construction) are not covered in the Scope of Work (SOW). But Bidder is reminded to consider the warranty requirements as stated in the Technical Specifications.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

<b>Packages</b>	<b>Vol</b>	<b>Sec</b>	<b>Page No.</b>	<b>Clause No./Title</b>	<b>Reference Text (if necessary)</b>	<b>Clarification Request</b>	<b>Final Response</b>
S-04	1	Volume 1 Part IA – Bidding Procedures Section 4 – Bill of Quantities (Addendum GBB 11)	5/15	Preamble Clause 9	The rates and prices quoted in the priced Bills of Quantities shall, except insofar as it is otherwise provided under the Contract, include all construction plant, labor, supervision, materials, erection, maintenance, insurance, overheads, profit, taxes including tax deducted at sources, levies, and duties and other charges, together with all general risks, liabilities, and obligations set out or implied in the Contract.	Please clarify if spare parts during DLP will be included in unit prices or not? Also Please clarify If it is required to submit a spare part list in bid submission? If so please clarify whether the spare part list will include the unit prices or not.	<i>The spare parts shall be covered by the BOQ, Bill No. 1, GS103(6) and/or GS103(7). For Time Related Costs, such as GS103(6) and GS103(7)</i>
S-04	2	1) Volume 2 & Section 6 - IB General Specification, GS 133 ENVIRONMENTAL MANAGEMENT , 2) EISR, Chapter 4 Environmental management Plan, Table 4-1 Environment Management Plan for the Project,	GS 120	1) Clause 133.1.	Tree Contractor  ESIR Environmental Management Plan indicates that the tree removal permit, inventory of affected trees (number specie, endemicity, conservation status of affected trees), replanting activities, cutting permit, re-planting activities, etc will be conducted by Tree Contractors,  Whereas;  GS 133.1 states that the tree cutting and re-location process including DENR permits is under the scope of the Contractor.	Please clarify the differences of the scopes between the Contractor and Tree Contractor to prevent any conflicts.  Please also clarify if such a Tree Contractor will be contracted by the Client or the Contractor.	<i>Procurement of Contractor/Sub-contractor for the cutting and/or relocation of affected trees, whose main purpose is to carry out the tree cutting/earth-balling activities, is the responsibility of the Civil Works Contractor.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	2	1) Volume 2 & Section 6 - IB General Specification, GS 118 ENVIRONMENTAL MANAGEMENT  2) EISR, Chapter 8 Environmental Compliance Monitoring, Table 8.1.1 Environment Monitoring Plan for the Proposed SCRP	GS 71	1) Clause 118.8.5.	<p>Effluent water Quality Monitoring</p> <p>Section 118.8.5 of GS (Addendum) explains Effluent Water Quality Monitoring requirements for discharges. Monitoring is required for the below listed parameters in following way:</p> <ul style="list-style-type: none"> <li>• Upon commission</li> <li>• Quarterly, March, June, September, December.</li> <li>• When instructed by Engineer based on complaints or pollution incidents.</li> </ul> <p>1. pH 2. Temp, °C 3. DO, mg/L(min) 4. Color, TCU 5. BOD5, mg/L(max) 6. Fecal Coliform, MPN/100mL 7. O&amp;G, mg/L</p> <p>However, Environmental Monitoring Plan (EISR, Chapter 8, Table 8.1.1) requires effluent water monitoring parameters (both for baseline and construction monitoring) as follows:</p> <ul style="list-style-type: none"> <li>• Quarterly</li> </ul>	Please clarify which procedure will be taken into consideration for the effluent water quality monitoring process during the construction.	<i>What is mentioned in Section 118.8.4 of GS (Addendum) is the procedure to follow. However, GS 118.1 also states; “compliance with the following environmental laws, rules, regulations and standards”, specifically DAO 2016-08, Water Quality Guidelines and General Effluent Standards of 2016.</i>
S-04	1A	1.3b CP S-01 Vol.1A Sec.4A BOQ_Add1_202 10125	Bill no.1	GS133(1)	Trees to be root balled, packaged ready for transport elsewhere to be replanted	In order to submit a competitive price, please provide more details for the trees. The information which was given in the tender documents is not sufficient to prepare a unit price. You are kindly requested to give more details for the trees, deposit yard or relocation places.	<i>Bidder is advised that the Tree survey information will be provided in Addendum 3</i>
S-05	-	Site Data: EIA (Environmental Impact Assessment) dated September 2020	Page 1-1	1. Project Description	55. The Project will not share the tracks of the proposed freight and long-haul trains. PNR line will continue its operation while the Project is being constructed. Existing tracks will be reused for the freight and long-haul trains operation.	The Bidder would like the Client to clarify if there is any existing PNR track used during the construction of the work by the Bidder. If so, please specify (1) chainage where the existing track will be used, and (2) the time schedule associated with the use of the existing PNR track.	<i>Please note that PNR will continue its operation during the whole construction period. Please refer to GS GS131 WORKS IN THE VICINITY OF EXISTING OPERATING PHILIPPINE NATIONAL RAILWAY</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	2	Volume 2, 01 Specification, 02_TS	-	SCRP_TS 500	Warranties	We noticed in the bid documents the warranties of mostly architectural items are too long than the normal warranties being offered by suppliers. We would like to confirm warranties of the following work description below.	<i>Confirmed. The warranty for waterproofing (TS 514), Fireproofing (TS 518), Tensile Membrane Fabric (TS 523), and Glass Panel, frame and its Glass (TS 528) shall be as stated in the TS 500 Series i.e. at ten (10) years.</i>  <i>Bidder's request is noted. However, the bidder is advised that the warranties stated in the TS stands during the bidding"</i>
S-06	2	Section 2 Bid Data Sheet C. Preparation of Bids  General Bid Bulletin No. 14	BDS 3  Page 42 of 76	-	Alternative technical solutions shall be permitted for the following parts of the Works: None.  Please note that construction sequence in the Drawings is for Contractor's reference only. It is Contractor's responsibility to propose appropriate construction method subject to Engineer's approval.	According to the BDS, alternative technical solutions shall not be permitted. But Bid Bulletin No. 14 says the Bidder can propose the alternative construction method. Therefore the Bidder want to ensure that construction methods are not categorized as technical solutions. Please clarify.	<i>The construction methods are not categorized as technical solution.</i>
S-04	1	Section 4A BOQ		Abutment Works		Please confirm where the abutment work for concrete and reinforcing steel is reflected.	<i>Concrete and reinforcing steel of abutment is included in pay items 206(7)c and 207(2)t.</i>
S-04	1	Section 3	EQC 11	1.2.3.3 Project Program Considerations (Principal Aspect 3), 3.3 Proposed Plant and Equipment	Provision of evidence that the Equipment is or will be available at the time(s) and for the durations required for the Project.	If awarded, we are planning to buy brand new equipments (still to be manufactured) to satisfy some of the equipment requirement Project. We are planning to do this just for some of the equipment requirements. In this case, are Purchase Agreement allowed to serve as evidence of availability of the equipment?	<i>Being subject to Employer's discretion, such evidence could be acceptable provided that the document demonstrated that the required equipment will be available according to the Schedule as submitted by the Bidder.</i>
S-04	2	Section 6	Page 9	Equipment Requirements for S-04	Moulds, Cantilever bridge forms, Pier and other forms, Construction access bridges, Protection fencing	Are Purchase Agreement allowed to serve as evidence of availability of the formworks and other items that can be fabricated/specially manufactured?	<i>Being subject to Employer's discretion, such evidence could be acceptable provided that the document demonstrated that the required equipment will be available according to the Schedule as submitted by the Bidder.</i>
S-04	1	Volume 1	Section 3 Evaluation and Qualification Criteria (EQC)	3.3 Proposed Plant and Equipment	Provision of evidence that the Equipment is or will be available at the time(s) and for the durations required for the Project.	For example, Company A and Company B formed a JV. Is it sufficient if the submitted evidence of availability an official purchase receipt or lease agreement wherein the owner or lessor is Company A only or does the JV as an entity still have to execute a lease agreement with Company A.	<i>Being subject to Employer's discretion, such evidence could be acceptable provided that the document demonstrated that the required equipment will be available according to the Schedule as submitted by the Bidder.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

<b>Packages</b>	<b>Vol</b>	<b>Sec</b>	<b>Page No.</b>	<b>Clause No./Title</b>	<b>Reference Text (if necessary)</b>	<b>Clarification Request</b>	<b>Final Response</b>
S-05	2	Section 6-IA Appendix 2  vs  Site Data Item 10.14 Volume 1 of 2	78	SCRCP CP S-05 - List of Historical Sites - Database		The references to list of historical sites in volume 2 differs from the references listed in the Site Data. Please confirm which document should take precedence.	<i>Volume 2 shall take precedence however the bidder is advised that work in connection with Historic Structures is covered by a Provisional Sum</i>
S-06	2	Section 6-IA Appendix 2  vs  Site Data Item 10.14 Volume 1 of 2	112	SCRCP CP S-06 - List of Historical Sites - Database		The references to list of historical sites in volume 2 differs from the references listed in the Site Data. Please confirm which document should take precedence.	<i>Volume 2 shall take precedence however the bidder is advised that work in connection with Historic Structures is covered by a Provisional Sum</i>
S-07	2	Book 02 (Architectural) Architectural Plan	-	NSRP-DWG-CMV- AR-3601	-	Please confirm if the floor finish of Work space is 600mm x 600mm Homogenous Ceramic tile based on Schedule of finishes.	<i>Yes, confirmed.</i>
S-07	2	Book 2 (Architectural Plans)	-	Schedule of Doors, Windows and Louvers	-	Kindly clarify if the Electric Card Key system is for the Lockset: Electrical Lock and the Master Key system is for the Lockset: Cylinder Lock and Lever Handle. There are Electric Card key system for other doors that the given lockset is Lever Handle and Cylinder Lock.	<i>Yes, confirmed it is for the lockset. Electric card key system to use level handle.</i>
S-07		GENERAL BID BULLETIN NO. 14 26 FEBRUARY 2021 IFB NO. 20-031-	4			Kindly clarify if both of the Doors for Emergency Generator at Ground Floor is D1 as per Response from Bid Bulletin 14.	<i>Yes, confirmed.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	2	Book 2 (Architectural) Architectural Plan	-	NSRP-DWG-OCC- AR-3521 , 3601- 3602,3812-3813	-	As per Answer to query, 50mm thk Rockwool Insulation is already included in DUPA of pay item No. D541(3)- 600x600 12mm thk. Acoustic Ceiling boards with foil backing on metal frames with ceiling trim. Kindly confirm the following locations which ceiling finish is 600 x 600 x 12mmthick Acoustic ceiling boards with foil backing on metal frames with ceiling trim and 50mm thick rockwool insulation: a. Corridor, Pantry, Male Locker Room, Female Locker Room, Crew Mgmt. Div. Lounge, Clerk Room, Manager Room, Administration Office, Administration Division Lounge, VIP Guest Room, Crew management Room-1, Crew management Div. Mgmt. Room, Stock Room and Lactation Room at 2nd Floor b. Corridor, Male Locker Room, Female Locker Room, Electric Mgmt. Div. Lounge, Pantry, Electric Management Room, Electric Mgmt. Div. Manager Room, Clerk Room, Stock Room, Facility Management Lounge, Facility Mgmt. Div. Locker Room Male, Facility Mgmt. Div. Locker Room Female, Facility Management Div. Room, Facility Mgmt. Div. Mgr. Room, Conference Room and Storage at 3rd Floor c. Corridor, OCC Locker Room Male, OCC Locker Room Female, OCC Lounge, Pantry, OCC Room, OCC Assistance Room, OCC Clerk Room, OCC Manager's Room, Mechanical Room and Meeting Room 1, 2 and 3 at 4th Floor	<i>This is confirmed.</i>
S-07	1	Section 4A Bidding Forms – Bill of Quantities (BOQ)	-	Bill No. 4-2.7 Garbage Shed for Light Repair Shop	-	Please confirm if we will provide Exterior Paint in RC Walls at Garbage Shed	<i>Yes, confirmed.</i>
S-07	1	Section 4A Bidding Forms – Bill of Quantities (BOQ)	-	Bill No. 4-2.20 Canteen	-	Please confirm if we will provide Exterior Paint in CHB Walls at Canteen	<i>Yes, confirmed.</i>
S-05	1	Vol.1 BOQ Vol.2_ 2.Specifications	TS	Cable	Cable	According to BOQ, cable size looks like to follow JIS spec. However the requested Cable need UL. Please which standard should we follow.	<i>UL list should be followed.</i>
S-06	1	BOQ Vol.2_ 2.Specifications	TS	Cable	Cable	According to BOQ, cable size looks like to follow JIS spec. However the requested Cable need UL. Please which standard should we follow.	<i>UL list should be followed.</i>
S-07		Book 2 01_S07 ARCH		NSRP-DWG- OCC-AR-3501  NSRP-DWG- OCC-AR-3581  NSRP-DWG- LRS-AR-3502		For Ladder;  Details for Ladders shown in OCC Building shows no fall protection. (caged ladder etc.)  Details for Ladders shown in LRS Building shows fall protection.(caged ladder.)  Please advise which drawing to follow.	<i>Ladder for shafts are different from access ladder in LRS.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07		CP S-04 to 07 Responses to Clarifications Requests	12	Batch 6	The local road will be replaced with the underpass road. The maintenance of the existing road will be a responsibility of the Contractor	We noted that the maintenance of the existing local road would be a responsibility of the Contractor. Please clarify if the maintenance includes providing the temporary road to the public during the construction of the underpass. If, yes, please provide the drawings of temporary traffic diversions.	<i>The drawings of temporary traffic diversions shall be provided by contractor shall be approved by Engineer on site in coordination with the LGUs.</i>
S-07		1.3 CP S-07 Vol.1A Sec.4A BOQ 201001	Bill no.4-1.1 1.	Urethane Coating (Metal/Steel Painting)		Quantities for D547(2) and D548(7) are same. Is D547(2) Urethane coating is the top coat of fire-proofing? Or Urethane coating is an additional coating on the top coat of fire-proofing?	<i>Fireproofing on top of urethane coating.</i>
S-07	1	BOQ Vol.2_2.Specifications	TS	Cable	Cable	According to BOQ, cable size looks like to follow JIS spec. However the requested Cable need UL. Please which standard should we follow.	<i>UL list should be followed.</i>
S-07	1	Sec3	EQC23		The similar work(iii) shall mean a project including the following works: 1. Road or Railway project of continuous nature, where the value of the Bidder's participation exceeds One Hundred and Fifty Million US Dollars (US\$ 150,000,000). 2. A civil works contract including earth works and concrete works of minimum Twenty Million US\$ Dollars (US\$20,000,000). 3. At-grade/elevated land transport Depot project constructed on a filled site	Does one project have to meet three conditions at the same time? Or is it just a matter of having a separate project to satisfy one condition of each 1,2,3?	<i>Bidder is advised to refer to revised depot criteria issued in Addendum 2. The criteria shall be from one single project.</i>
S-07	1	Sec3	EQC23		2.4.1 Contracts of Similar Size and Nature  1. Road or Railway project of continuous nature, where the value of the Bidder's participation exceeds One Hundred and Fifty Million US Dollars (US\$ 150,000,000).	Does the Criteria of "the value of \$150 million US Dollars" apply to Road or Railway projects, or is it limited to "The similar work (iii)" and so, only Depots projects with similar construction characteristics?	<i>Bidder is advised to refer to revised depot criteria issued in Addendum 2</i>
S-04		BOQ		Bill No. 4.1 & 4.2 Item No. 201 (4) e	Foundation Fill - 5100 cum	We understand that foundation fill is defined as the concrete quantity to be laid under pile caps and tie beams as mentioned in dwg: NSRP-DWG-ALA-ST-4301. Please confirm. If so, upon calculation it is only approximately 1000 cum compared to 5100 cum as mentioned in the BOQ. Kindly clarify the definition of foundation fill and difference in quantity.	<i>Foundation Fill refers to a volume of suitable material that is placed and compacted for the purpose of raising the grade above the level of the existing surrounding ground surface.</i>
S-04	1	Section 4 Bill of Quantities	26 of 130 & 32 of 130	204(4) & 401(6)	Static Load Tets (SLT)	According to the issued drawings, two types of static load tests are required for 1200mm dia. pile and 1500mm dia. pile. Thus, please provide the divide of these items and quantities regarding pile diameter.	<i>The Static Load Test to test piles = 11 numbers per package. The location or numbers for 1200mm dia and 1500mm dia pile are at location as directed or approved by the Engineer.</i>
S-04	1	Section 4 Bill of Quantities	26 of 130 & 32 of 130	204(4) & 401(6)	Static Load Tets (SLT)	Please confirm that the working piles can be allowable to use for the static load tests.	<i>Test piles shall not be incorporated in the completed structure and shall be removed to at least 600mm below proposed soffit level of pilecap (See TS 204.2.6).</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	1	Section 4 Bill of Quantities	26 of 130 & 32 of 130	204(7) & 401(7)	Cross Hole Sonic Logging Test	According to the issued drawings, two types of static load tests are required for 1200mm dia. pile and 1500mm dia. pile. Thus, please provide the divide of these items and quantities regarding pile diameter.	<i>The Static Load Test to test piles = 11 numbers per package. The location or numbers for 1200mm dia and 1500mm dia pile are at location as directed or approved by the Engineer.</i>
S-04	2	Section 6 IC - Technical Specification	53 of 372 & 65 of 372	204.2.6.4 & 204.4.12	In 204.2.6.4, the number of piles to be tested by this method shall be 3% of all piles or as directed by the Engineer. In 204.4.12, the Contractor shall install access tubes for CSL testing in all bored piles, expect as otherwise noted.	The required number of cross hole sonic logging (CSL) testing is 3% of all piles or as directed by the Engineer in TS200, 204.2.6.4. According to this specifications, the contractor install access tubes for cross-hole sonic log testing as mentioned TS200, 204.3.8 for only mentioned number of pile directly by the Engineer. Please confirm.	<i>As per TS 204.4.12, the contractor shall install access tube for CSL testing for all bored piles, except otherwise noted, to permit access for the CSL test probes.</i>
S-04	2			Foundation Fill	Bill of Quantities - Stations	Based on the structural drawings, plaza beams and slabs are suspended in stations but for Architectural drawings plaza beams and slabs rest on granulated fill. Please confirm if foundation fill quantities is computed from the voids from Existing Grade Line +0.00 up to the plaza floor level.	<i>Yes, it is how we computed foundation fill.</i>
S-04	2	Section 204.4.9		Concrete Placement, Curing, and Protection	Technical Specification	"The Contractor shall not perform shaft excavation operations within three diameters of a newly poured shaft within 24hours of the placement of concrete and only when the concrete has reached a minimum compressive strength of 12.4MPa,"  Please clarify if this measurement is from the center line of a pile or from the edge of a pile since some of the piles in the cap are only with three diameter centre to centre.	<i>Yes, the measurement is from the center of the pile.</i>
S-04	2		NSRP-DWG-VIA00-ST-0601	Type P1 and P2 Reinforcement Detail	State : Omit bars for H <= 9m and extend P1a, P1b, P1c and P1d to the top of pier .	Please confirm that value of H as stated was distance from Top of Pier to Top of Pile cap. Further, please confirm if H was less than 9m we are not allow to Splice Vertical bar?	<i>It was assumed that up to 9m high piers, there will be no mechanical coupler needed for the vertical rebar.  For piers higher than 9m, it is allowed to have mechanical couplers as long as the couplers are not within the specified value of HR as per Note 3 and Note 5 on the drawing.</i>
S-04		CIS		Stressing	Stressing	It is stated in all of CIS drawings that the stressing end locations are all in the increasing chainage side. Can the stressing be located on other end if we intend to construct backwards?	<i>Yes, stressing can be located on the other end.</i>
S-04	2			Split Type Air Conditioning Units	Split Type Air Conditioning Units	Please clarify the system description/operation of the air conditioning units. As per TS-600 Sec. 604.1.1, system shall be a variable refrigerant flow system. As per Layout plans & equipment schedule, units are DX Split type system.	<i>Please refer to TS 600 under 611 for Air-Cooled Split Type Air-Conditioning Unit.</i>
S-04	2			BMS Application of Split Type Air Conditioning Units	BMS Application of Split Type Air Conditioning Units	Please clarify the purpose of BMS requirement of Split Type Air Conditioning Units. BMS is generally placed in VRF other centralized systems	<i>Certain manufacturers/brands offer a device to be able to connect to BMS systems. BMS specialist to verify.</i>
S-04	2				TS-600 Sec 605.3.2 - 4) Rated Duct	Please clarify if the duct sizing of 14USG is the largest size to be used or the minimum size to be used for the fire rated ductworks.	<i>Please refer to TS 600, 605.3.2.4. A Rated Duct Ductwork shall be constructed of not less than 14USG galvanized sheet steel.</i>
S-04	2				NSCR-DWG-PSS7 NSCR-DWG-PSS8 NSCR-DWG-PSS9	Please clarify if the Fire Suppression Control Panel is connected to FDAS or to transmit directly via SCADA.	<i>Fire Suppression Control Panel is connected to FACP. FACP to transmit via scada.</i>



**CP S04-07 Responses to Clarification Requests (Batch 11)**

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	2				NSCR-DWG-ALA-PL NSCR-DWG-MUN-PL	Please clarify the type of Waste Water Treatment Plant to be used, if a specific type is required. (MBR, SBR, etc?)	<i>No specific type required as long as it satisfies all the requirements on Technical Specifications.</i>
S-04	2				NSCR-DWG-ALA-PL NSCR-DWG-MUN-PL	We note that Septic Vaults are missing in the Sanitary Drawings for stations. Was the intention to include the septic vault in the Waste Water Treatment Plant Price or will the client be releasing Drawings, BOQ, and Capacity for Septic Vaults for Stations?	<i>There is no provision for Septic Vaults. All waste will be discharged to WWTP.</i>
S-04	2			PTFE Membrane	PTFE Membrane	May we inquire on the Wind coefficient used in the initial design of PTFE membrane	<i>Under Note (c) General Provisions #9, basic wind pressure is 270 kph. Wind coefficient was not provided but the 270 kph wind resistance must be addressed.</i>
S-05				Site Data PNR documents	Site Data PNR documents	Please provide us a safe working distance from the center line of live PNR track	<i>Please refer to amended GS131.4.</i>
S-05	2			Structure Excavation	Bill of Quantities - Stations	Please confirm if quantities computed has allowance for working spaces for pile caps and footing tie beams	<i>Yes, it is. Please refer to TS 201.1.1.1.</i>
S-05	2			Foundation Fill	Bill of Quantities - Stations	Based from the structural drawings, plaza beams and slabs are suspended in stations but for Architectural drawings plaza beams and slabs rest on granulated fill. Please confirm if foundation fill quantities is computed from the voids from Existing Grade Line +0.00 up to the plaza floor level.	<i>Yes, it is how we computed foundation fill.</i>
S-05	2	Section 204.4.9		Concrete Placement, Curing, and Protection	Technical Specification	"The Contractor shall not perform shaft excavation operations within three diameters of a newly poured shaft within 24hours of the placement of concrete and only when the concrete has reached a minimum compressive strength of 12.4MPa."  Please clarify if this measurement is from the center line of a pile or from the edge of a pile since some of the piles in the cap are only with three diameter centre to centre.	<i>Yes, the measurement is from the center of the pile.</i>
S-05	2		NSRP-DWG-VIA00-ST-0601	Type P1 and P2 Reinforcement Detail	State : Omit bars for H <= 9m and extend P1a, P1b, P1c and P1d to the top of pier .	Please confirm that value of H as stated was distance from Top of Pier to Top of Pile cap. Further, please confirm if H was less than 9m we are not allow to Splice Vertical bar?	<i>It was assumed that up to 9m high piers, there will be no mechanical coupler needed for the vertical rebar.  For piers higher than 9m, it is allowed to have mechanical couplers as long as the couplers are not within the specified value of HR as per Note 3 and Note 5 on the drawing.</i>
S-05		CIS		Stressing	Stressing	It is stated in all of CIS drawings that the stressing end locations are all in the increasing chainage side. Can the stressing be located on other end if we intend to construct backwards?	<i>Yes, stressing can be located on the other end.</i>
S-05	2			BMS Application of Split Type Air Conditioning Units	BMS Application of Split Type Air Conditioning Units	Please clarify the purpose of BMS requirement of Split Type Air Conditioning Units. BMS is generally placed in VRF outhter centralized systems	<i>Certain manufacturers/brands offer a device to be able to connect to BMS systems.</i>
S-05	2				NSCR-DWG-PSS10 NSCR-DWG-PSS11 NSCR-DWG-PSS12 NSCR-DWG-PSS13 NSCR-DWG-PSS14	Please clarify if the Fire Suppression Control Panel is connected to FDAS or to transmit directly via SCADA.	<i>Fire Suppression Control Panel is connected to FACP. FACP to transmit via scada.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	2				NSCR-DWG-SPO-PL NSCR-DWG-SRO-PL, NSCR-DWG-BIN-PL, NSCR-DWG-PTA-PL	Please clarify the type of Waste Water Treatment Plant to be used if a specific type is required. (MBR, SBR, etc?)	<i>No specific type required as long as it satisfies all the requirements on Technical Specifications.</i>
S-05	2				NSCR-DWG-SPO-PL NSCR-DWG-SRO-PL, NSCR-DWG-BIN-PL, NSCR-DWG-PTA-PL	We note that Septic Vaults are missing in the Sanitary Drawings for stations. Was the intention to include the septic vault in the Waste Water Treatment Plant Price or will the client be releasing Drawings, BOQ, and Capacity for Septic Vaults for Stations?	<i>There is no provision for Septic Vaults. All waste will be discharged to WWTP.</i>
S-05	2			PTFE Membrane	PTFE Membrane	May we inquire on the Wind coefficient used in the initial design of PTFE membrane	<i>Under Note (c) General Provisions #9, basic wind pressure is 270 kph. Wind coefficient was not provided but the 270 kph wind resistance must be addressed.</i>
S-06		NSRP-DWG-ATG-ST-6300 to 6301		U-BRIDGE	U-BRIDGE ELEVATION PROFILE	Does the northbound and southbound u-bridge have the same elevation profile?	<i>Yes. NB and SB side have the same elevation profile.</i>
S-06	2			Foundation Fill	Bill of Quantities - Stations	Based from the structural drawings, plaza beams and slabs are suspended in stations but for Architectural drawings plaza beams and slabs rest on granulated fill. Please confirm if foundation fill quantities is computed from the voids from Existing Grade Line +0.00 up to the plaza floor level.	<i>Yes, it is how we computed foundation fill.</i>
S-06	2	Section 204.4.9		Concrete Placement, Curing, and Protection	Technical Specification	"The Contractor shall not perform shaft excavation operations within three diameters of a newly poured shaft within 24hours of the placement of concrete and only when the concrete has reached a minimum compressive strength of 12.4MPa."  Please clarify if this measurement is from the center line of a pile or from the edge of a pile since some of the piles in the cap are only with three diameter centre to centre.	<i>Yes, the measurement is from the center of the pile.</i>
S-06		CIS		Stressing	Stressing	It is stated in all of CIS drawings that the stressing end locations are all in the increasing chainage side. Can the stressing be located on other end if we intend to construct backwards?	<i>Yes. The stressing end can be located at the other end.</i>
S-06	2			BMS Application of Split Type Air Conditioning Units	BMS Application of Split Type Air Conditioning Units	Please clarify the purpose of BMS requirement of Split Type Air Conditioning Units. BMS is generally placed in VRF outhter centralized systems	<i>Certain manufacturers/brands offer a device to be able to connect to BMS systems.</i>
S-06	2				NSCR-DWG-PSS15 NSCR-DWG-PSS16 NSCR-DWG-PSS17 NSCR-DWG-PSS18	Please clarify if the Fire Suppression Control Panel is connected to FDAS or to transmit directly via SCADA.	<i>Fire Suppression Control Panel is connected to FACP. FACP to transmit via scada.</i>
S-06	2				NSCR-DWG-BAN-PL, NSCR-DWG-CAB-PL, NSCR-DWG-CAL-PL	Please clarify the type of Waste Water Treatment Plant to be used, if a specific type is required. (MBR, SBR, etc?)	<i>No specific type required as long as it satisfies all the requirements on Technical Specifications.</i>
S-06	2				NSCR-DWG-BAN-PL, NSCR-DWG-CAB-PL, NSCR-DWG-CAL-PL	We note that Septic Vaults are missing in the Sanitary Drawings for stations. Was the intention to include the septic vault in the Waste Water Treatment Plant Price or will the client be releasing Drawings, BOQ, and Capacity for Septic Vaults for Stations?	<i>There is no provision for Septic Vaults. All waste will be discharged to WWTP.</i>
S-06	2			PTFE Membrane	PTFE Membrane	May we inquire on the Wind coefficient used in the initial design of PTFE membrane	<i>Under Note (c) General Provisions #9, basic wind pressure is 270 kph. Wind coefficient was not provided but the 270 kph wind resistance must be addressed.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	Volume 1	Sec.4 BF	BF 39	BIM and CMMS Implementation	The Contractor is required to develop the BIM to level LOD 500 for as-built drawings(...)	Is BIM model required to include reinforced rebar arrangement inside concrete structure? 3D modelling of reinforced rebar in concrete takes unnecessarily excessive man-hour and cost but it gives no value on maintenance purpose.	<i>Rebar modeling is not necessary, however 3D modeling of the rebars in the concrete building structure will be on a case a case to basis when needed to resolve some structural conflict with other disciplines.</i>
S-07	Volume 2	Sec.6 ERQ	TS200-51	C. Technical Specification (TS) 204.2.6 Test Piles	Test piles which are shown on the Drawings... Test piles which are used to arrive at the load carrying capacity shall not be incorporated in the structure.----- Test piles, which are not to be incorporated in the completed structure, shall be removed to at least 600mm below the proposed soffit level of pile cap....	Please kindly confirm all test piles shall be temporary non-working pile to be removed after Static Load Test.	<i>Yes, we confirm based on the stated provisions in TS204.2.6, Test piles, which are not to be incorporated in the completed structure, shall be removed to at least 600mm below the proposed soffit level of pile cap.</i>
S-07	Volume 2	02_Book 2 01_S07 ARCH		NSRP-DWG-WPH1-AR-3101 NSRP-DWG-WPH1-AR-3202  Dimension of WPH1 Water Tanks		Kindly verify which will govern for the dimension of water tanks between the plan (18,950x16,000mm) and section (18,850x16,000)	<i>(18,950x16,000mm) will govern.</i>
S-07	Volume 2	01_Specifications 02_TS TS.500		Master key system or card key system 534.2.3 Keying  Master key		Please provide detail plans(drawings) for the Master key system or card key system including the diagrams of interfaces with other systems.	<i>Access control system specialist to provide. Vendor to verify all necessary components, equipment, devices, accessories &amp; interfaces in their shop drawing design and shall ensure system compatibility based on job site condition, manufacturer recommendation and applicable standards and regulations, required tests, analysis and/or simulation and by performing required functional and intergratoin test during testing and commissioning stage.</i>
S-04		Volume 1 Section 4 Bidding Forms	BF 45	BIM and CMMS Implementation	The Bidder shall prepare and submit with its Bid proposal an outline BIM Implementation Plan that demonstrates its full understanding of the BIM and CMMS requirements and sets out the Bidder's proposals for the Implementation of BIM and CMMS generally within its area of operations and in its interfaces with other contractors and stakeholders.	According to reference text, the contractor has to fully understand CMMS requirements and sets out. Please, Clarify whether the establishment task of CMMS is the scope of Contractor or not. If yes, where do the contractor input the cost in the BOQ?	<i>Contractor to give reference to the following documents related to BIM and CMMS:  270235_REP_0007_D8 CAD Manual Rev B 270235_REP_0010_D9 Info Mgt Plan LWD-ZWD-TDC-BM-000001_Project Specific Procedure Deliverable No. 9 - BIM Information Management Flow  Bidder to refer to Addendum 2 for all documents.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04		Vol. 2 Sec 6 II drawing CP S- 04_02_ALA_ST & CP S- 04_02_MUN_ST	22 & 20			There are the type of bar spacer in the staion. However, the wheel type in the bored pile normally is used. Please, clarify that the contractor can use the wheel type of spacer in the bored pile of station.	<i>As per the design, flat bars are used on the bored pile. Other types of spacers can be used, such as wheel types, for as long as these are equivalent to the design of the flat bars.</i>
S-05		Volume 1 Section 4 Bidding Forms	BF 45	BIM and CMMS Implementation	The Bidder shall prepare and submit with its Bid proposal an outline BIM Implementation Plan that demonstrates its full understanding of the BIM and CMMS requirements and sets out the Bidder's proposals for the Implementation of BIM and CMMS generally within its area of operations and in its interfaces with other contractors and stakeholders.	According to reference text, the contractor has to fully understand CMMS requirements and sets out. Please, Clarify whether the establishment task of CMMS is the scope of Contractor or not. If yes, where do the contractor input the cost in the BOQ?	<i>Contractor to give reference to the following documents related to BIM and CMMS:  270235_REP_0007_D8 CAD Manual Rev B 270235_REP_0010_D9_Info Mgt Plan LWD-ZWD-TDC-BM-000001_Project Specific Procedure Deliverable No. 9 - BIM Information Management Flow  Bidder to refer to Addendum 2 for all documents.</i>
S-05		Vol. 2 Sec 6 II drawing CP S- 05_02_SPO_ST& CP S-05_02_ PTA_ST & CP S- 05_02_BIN_ST & CP S- 05_02_SRO_ST	20 & 20 & 21 & 22			There are the type of bar spacer in the staion. However, the wheel type in the bored pile normally is used. Please, clarify that the contractor can use the wheel type of spacer in the bored pile of station.	<i>As per the design, flat bars are used on the bored pile. Other types of spacers can be used, such as wheel types, for as long as these are equivalent to the design of the flat bars.</i>
S-06		Volume 1 Section 4 Bidding Forms	BF 45	BIM and CMMS Implementation	The Bidder shall prepare and submit with its Bid proposal an outline BIM Implementation Plan that demonstrates its full understanding of the BIM and CMMS requirements and sets out the Bidder's proposals for the Implementation of BIM and CMMS generally within its area of operations and in its interfaces with other contractors and stakeholders.	According to reference text, the contractor has to fully understand CMMS requirements and sets out. Please, Clarify whether the establishment task of CMMS is the scope of Contractor or not. If yes, where do the contractor input the cost in the BOQ?	<i>Contractor to give reference to the following documents related to BIM and CMMS:  270235_REP_0007_D8 CAD Manual Rev B 270235_REP_0010_D9_Info Mgt Plan LWD-ZWD-TDC-BM-000001_Project Specific Procedure Deliverable No. 9 - BIM Information Management Flow  Bidder to refer to Addendum 2 for all documents.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Vol. 2 Sec 6 II drawing CP S- 06_02_CAB_ST & CP S- 06_02_BAN_ST & CP S- 06_02_CAL_ST	21 & 21 & 22			There are the type of bar spacer in the station. However, the wheel type in the bored pile normally is used. Please, clarify that the contractor can use the wheel type of spacer in the bored pile of station.	<i>As per the design, flat bars are used on the bored pile. Other types of spacers can be used, such as wheel types, for as long as these are equivalent to the design of the flat bars.</i>
S-06		Volume 2 01 Specifications 02 TS TS.500		Master key system or card key system 534.2.3 Keying		Please provide detail plans(drawings) for the Master key system or card key system including the diagrams of interfaces with other systems.	<i>Access control system specialist to provide. Vendor to verify all necessary components, equipment, devices, accessories &amp; interfaces in their shop drawing design and shall 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 integrative test during testing and commissioning stage.</i>
S-06		Volume 1 Sec.4A BoQ		706(17)ao,CAB - LP UPS incl 30kVA UPS 706(18)ae BAN - LP an UPS incl 30kVA UPS 706(19)an, CAL - LP UPS incl 30kVA UPS		Please clarify the configuration of sub-equipment of the UPS to be supplied. Do the contractor have to supply not only UPS, but also ATS, AVR, BATTERY, DISTRIBUTION PANEL?	<i>Yes.</i>
S-06		Volume 1 Sec.4A BoQ		D502(6) Soil treatment/ Poisoning		Please provide the Technical Specifications of Soil Poisoning.	<i>Use non-repellent termiticide with colony elimination management to effect termite control solution. Updated TS 500 to be issued in Addendum 3.</i>
S-06		Volume 1 Sec.4A BoQ		Cabuyao Station. 612(15)r EF-18		Please specify the size of a damper for EF-18: Wall Mounted Type Exhaust Fan for Elevator Shaft at Concourse and Platform Level	<i>This is indicative. Contractor to follow the final approved equipment. Initial selected dimension is 500x500 (wall-mounted fan, MD/FD).</i>
S-06		Volume 1 Sec.4A BoQ		Cabuyao Station. 612(15)v EF-20		Please specify the size of a damper for EF-20: Wall Mounted Type Exhaust Fan for Genset Room at Ground Level	<i>This is indicative. Contractor to follow the final approved equipment. Initial selected dimension is 500x500 (wall-mounted fan, MD/FD).</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06		Volume 1 Sec.4A BoQ		706(17)ao,CAB - LP UPS incl 30kVA UPS 706(18)ae BAN - LP an UPS incl 30kVA UPS 706(19)an, CAL - LP UPS incl 30kVA UPS		Please clarify the configuration of sub-equipment of the UPS to be supplied. Do the contractor have to supply not only UPS, but also ATS, AVR, BATTERY, DISTRIBUTION PANEL?	<i>Yes.</i>
S-06		Volume 1 & Section 4A		Bill No 4	Structural Steel	→ Kindly advise whether the quantities for connection plate & bolts are included in the BOQ Quantities.	<i>Yes, it is included in BoQ quantity calculation.</i>
S-06		Volume 2 Drawings		ST-4411		Reference Typical Column Bar Details shown Lo (confinement region) ties spacing is half the spacing of the Lv (part of column beyond confinement region). Further to the isolated column schedule both Lo and Lv have spacing of 100mm indicating no confinement region at all. Please clarify if we need to follow the typical column details or we shall need to follow the spacing from the schedule provided.	<i>As indicated on the typical detail, the minimum spacing on Lv is Sw=Spacing Indicated on the Column Schedule.</i>
S-06		Volume 1A. Part I Section 4A		Bill of Quantities No.3 Item No.204(2)a, 204(2)b, 204(2)c, 207(2)a  Bill of Quantities No.4 Item No.401(10), 401(11), 403(2)a		Please clarify the concrete and rebar quantity of test piles is included in the Bill of Quantities.	<i>Test piles are included in the cost of PIN 401(6) --- Static Load Test (SLT).</i>
S-07		VOL. 2, Section 6 II	NSRP-DWG- OCC-AR-3602  NSRP-DWG- OCC-AR- 3411/3412/341 3	Toilets  Sections	<b>WF2: 300x600 Glazed Ceramic with Accent Tile with Cementitious Waterproofing</b>  <b>300x600 Glazed Ceramic Tiles</b>	Please verify conflict in plan, which shall govern.	<i>WF2: 300x600 Glazed Ceramic with Accent Tile with Cementitious Waterproofing.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07		VOL. 2, Section 6 II	NSRP-DWG-OCC-AR-3633 NSRP-DWG-OCC-AR-3611	Fourth Floor Key Plan  D6: 1000x2100mm Single-Leaf Fire-Rated Steel Flush Door W/ 8mm Thk. Fire Glass; In Flourourethane Oven-Baked Fin. Steel Sheet +=1.6 Frame  Schedule of Door  D3: 2000x2100mm Double-Leaf Fire-Rated Steel Flush Door w/ 8mm Thk Fire Glass; In Flourourethane Oven-Baked Fin. Steel Sheet +=1.6 Frame		For Rm. 430: OCC Room, please verify which shall govern	<b><i>D3: 2000x2100mm Double-Leaf Fire-Rated Steel Flush Door w/ 8mm Thk Fire Glass; In Flourourethane Oven-Baked Fin. Steel Sheet +=1.6 Frame will govern. Sheet NSRP-DWG-OCC-AR-3633 to be revised/submitted in Addendum 3</i></b>
S-07		VOL. 2, Section 6 II	NSRP-DWG-OCC-AR-3601 NSRP-DWG-OCC-AR-3431	Stair 1&2 Floor Finishes  Detail H: Staircase 1 & 2 Typical Railing Plan Detail	FF3: Plain Cement Trowelled Finish with Hardener  30mm thk. Tread (Non-Slip) Granite Finish	Please verify conflict in plan, which shall govern	<b><i>30mm thk. Tread (Non-Slip) Granite Finish will govern.</i></b>
S-07		VOL. 2, Section 6 II	NSRP-DWG-OCC-AR-3601 NSRP-DWG-OCC-AR-3313	Schedule of Finishes Floor Finish  Bay Section:	Room 208: Stock Rm. 2F-3F FF6: 600x600 Vitrified Ceramic Tiles  Stock Room @ 3rd & 2nd Floor: Access Flooring (Anti-Static Raised Floor System Including Dust-Proof Epoxy) W/ 500x500 Carpet Tile	Please verify conflict in plan, which shall govern	<b><i>Stock Room @ 3rd &amp; 2nd Floor: Access Flooring (Anti-Static Raised Floor System Including Dust-Proof Epoxy) W/ 500x500 Carpet Tile will govern.</i></b>
S-07		VOL. 2, Section 6 II	NSRP-DWG-OCC-AR-3601 NSRP-DWG-OCC-AR-3441/3603	Room 111/124 Elevator Hall A&B GF-5F Schedule of Finishes  Lift Lobby Wall Cladding	WF2: 300x600 Glazed Ceramic with Accent Tile with Cementitious Waterproofing  20mm thk. Polished Granite Wall Cladding w/ SS Wall Sidings	Please verify conflict in plan, which shall govern.	<b><i>20mm thk. Polished Granite Wall Cladding w/ SS Wall Sidings will govern.</i></b>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07		VOL. 2, Section 6 II	NSRP-DWG-OCC-AR-3412 NSRP-DWG-OCC-AR-3505	Detail 7: Section Schedule of Toilet Fixture and Accessories	12mm thk. Moisture Resistant Gypsum Board on Metal Frame Phenolic Board Toilet Door	For Toilet Cubicle Door Partiton, which shall govern	<i>Phenolic Board Cubicle Toilet Door will govern.</i>
S-07		VOL. 2, Section 6 II	NSRP-DWG-OCC-AR-3601 NSRP-DWG-OCC-AR-3508/3509	Room 101-B Entrance Lobby GF Schedule of Finishes Sections	WF2: 300x600 Glazed Ceramic with Accent Tile with Cementitious Waterproofing Sycamore Laminated Veneer Wall Cladding in Marin Ply Backing	Please verify conflict in plan, which shall govern.	<i>Sycamore Laminated Veneer Wall Cladding with Marine Plywood Backing will govern.</i>
S-07		VOL. 2, Section 6 II	NSRP-DWG-OCC-AR-3124/3831 NSRP-DWG-OCC-AR-3601	Room 130- Locker Ground Floor (Blow Up Plan)/Partition Layout Plan Schedule of Finishes	Tag 1: 2H - 150mm-200mm Thk. CHB Wall Fire Rating: 2 Hrs. (2HR - Fire Rated Wall with 150mm Thk. CHB to Soffit of Beam or Ceiling with 25mm Thk. Cement Plaster Finish On Both Sides with deformed steel dowel rod attached to concrete slab) WF3: 2x12mm Thk. Moisture & Fire-Resistant Gypsum Board On LGS; Painted Finish	Please verify conflict in plan, which shall govern.	<i>150mm-200mm thk. CHB Wall Fire Rating: 2 Hrs. (2HR - Fire Rated Wall with 150mm thk. CHB to Soffit of Beam or Ceiling with 25mm thk. Cement Plaster Finish on Both Sides with deformed steel dowel rod attached to concrete slab) will govern.</i>
S-07		VOL. 2, Section 6 IC VOL. 2, Section 6 II	TS 500 - 68 NSRP-DWG-OCC-AR-3603	17) Miscellaneous Works (Special Works) Horizontal Louver	Sun Control Louver (Horizontal Louver): Extruded Aluminum with PVDF (Polyvinylidene Fluoride) Coating & Manual Control Device Location: Depot, OCC Building Stainless Steel Sun Shade Manual Operable Aerofoil Louver w/ SS Insect Screen	Please verify conflict between specifications and plans, which shall govern	<i>Sun Control Louver (Horizontal Louver): Extruded Aluminum with PVDF (Polyvinylidene Fluoride) Coating &amp; Manual Control Device Location: Depot, OCC Building will govern.</i>
S-07		VOL. 2, Section 6 IC VOL. 2, Section 6 II	TS 500 - 71 NSRP-DWG-OCC-AR-3417 to AR-3418 NSRP-DWG-OCC-AR-3414 NSRP-DWG-OCC-AR-3762 NSRP-DWG-OCC-AR-3412	20) Sanitary Fixtures and Accessories Schedule: Grab Bar (L-Shaped) Detail C: Toilet Urinal Details w/ Ledge Typical Multipurpose Toilet Details @ G-5th Level	L Shape Grab Bar: 32mm standard size, stainless steel/ satin finish Note: a) Location of fixtures and specification shall be referred / verified with plans & Schedules. 1-1/4 Standard Size, Stainless Steel/Satin Finish 30mm Dia. SS Steel Grab Bar 45mm Dia. Stainless Steel Grab Bar	As per specification, refer to plans and schedules. Query: Please verify conflict in plan, which Grab Bar size shall govern.	<i>L-Shaped Grab Bar: 32mm standard size, stainless steel/satin finish will govern.</i>



**CP S04-07 Responses to Clarification Requests (Batch 11)**

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07		VOL. 2, Section 6 IC  VOL. 2, Section 6 II	TS 500 - 66  NSRP-DWG- OCC-AR-3123 to AR-3132	15) Glass and Glazing  Wall Types	Curtain Wall (Elevator shaft): Insulated Tempered glass panels with spider glass fittings and security film 16:6:16 double glass or laminated glass  Tag 1: 2H - 150mm-200mm Thk. CHB Wall Fire Rating: 2 Hrs. (2HR - Fire Rated Wall with 150mm Thk. CHB to Soffit of Beam or Ceiling with 25mm Thk. Cement Plaster Finish On Both Sides with deformed steel dowel rod attached to concrete slab)  Tag 7: 150mm Thk. Chb Wall W/ Insulation (310mm Thk. Wall {150 mm Thk. CHB Wall W/25mm Plaster On Both Sides and 110mm Thk. Dry lining Partition Gypsum Board On One Side with Rockwool Insulation in Standard Metal Framing and 50mm Thk. Aluminum Composite Panel Exterior Wall On Standard Metal Framing, To Soffit of Beam or Ceiling.})	Please verify conflict between specifications and plans, which shall govern	<i>2 types of wall are used, one side is "150mm thk. CHB Wall w/ Insulation [310mm thk. Wall 9150 mm thk. CHB Wall w/25mm Plaster on Both Sides and 110mm thk. Dry lining Partition Gypsum Board on One Side with Rockwool Insulation in Standard Metal Framing and 50mm thk. Aluminum Composite Panel Exterior Wall on Standard Metal Framing, to Soffit of Beam or Ceiling]" the other side is "2H - 150mm-200mm thk. CHB Wall with Fire Rating: 2 Hrs. (2HR - Fire Rated Wall with 150mm Thk. CHB to Soffit of Beam or Ceiling with 25mm Thk. Cement Plaster Finish On Both Sides with deformed steel dowel rod attached to concrete slab)"</i>
S-07		VOL. 2, Section 6 II	DRG. NO. NSRP-DWG- CNT-AR-3411  DRG. NO. NSRP-DWG- CNT-AR-3601	SECTIONS  INTERIOR SCHEDULE OF FINISHES	300mm x 600mm Glazed Ceramic Wall Tile  300mm x 600mm Glazed Ceramic Wall Tile with Accent Tile	Please verify conflict in plan, which shall govern.	<i>300mm x 600mm Glazed Ceramic Wall Tile with Accent Tile will govern.</i>
S-07		VOL. 2, Section 6 II	NSRP-DWG- CMV-AR-3501 NSRP-DWG- TMO-AR-3501 NSRP-DWG- OCC-AR-3413	Toilet Wall Finish  Plain Cement Plaster Painted Finish		Please verify wall finish, provide height of wall tiles and/or plastered finish	<i>Wall tiles up to finished ceiling line (FCL). No plain cement plaster painted finish.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07		VOL. 2, Section 6 IC VOL. 2, Section 6 II	TS 500 - 68 TS 500 - 428  DRG. NO.: 1. NSRP-DWG-WRS-AR-3601 2. NSRP-DWG-CMV-AR-3601 3. NSRP-DWG-TMO-AR-3601 4. NSRP-DWG-CNT-AR-3601 5. NSRP-DWG-OCC-AR-3419 6. 12. 2. NSRP-DWG-LRS-AR-3741	17) Miscellaneous Works (Special Works)  552: Toilet Partitions 552.2.2 Materials	Toilet Both Partition (Depot): Fiber-Reinforced Plastic (FRP) Or Moisture Resistant Phenolic Board, 25mm thk. Laminated Finish (Location: All Toilets in Depot Building)  2. All Toilet Partition Panels, Plasters, Door and Urinal Screens shall be Stainless Steel Hairline Finish Flush Panels  20mm thk. Phenolic Board	1. Please verify conflict between specifications and drawings of Toilet Partition, which shall govern.  2. If technical specification will prevail, please verify conflict between the two material specifications.  3. If drawing will prevail, please provide dimension of Phenolic Partition with door.	<i>Fiber-reinforced plastic (FRP) or moisture-resistant phenolic board, 20 mm thk. Laminated finish Stainless will govern. See TS-500 17) Miscellaneous Works (Special Works).</i>
S-07		VOL. 2, Section 6 IC VOL. 2, Section 6 II	TS 500 - 434  DRG. NO.: 1. NSRP-DWG-WRS-AR-3601 2. NSRP-DWG-CMV-AR-3601 3. NSRP-DWG-TMO-AR-3601 4. NSRP-DWG-SH1-AR-3601	554: Furnishings 554.2 Blinds 554.2.4.3 Specifications	1) Product: Roller Shades 2) Screen Specifications: a) Sunscreen Fabric for Internal Roller Shades b) Material; Glass Yarn-Coated with PVC c) Weave; Basket Weave (Or Approved Equal) d) Screen Vision; 5% (Or as per Employer Approved) e) Color; White/Beige f) Fire Rating; M1, NFPA 701, ASTM E648 g) Thickness; 0.45mm/ 0.017in  Aluminum Blind	Please verify conflict between specifications and plans, which shall govern	<i>To follow TS-500 1)Product: Roller Shades 2)Screen Specifications: a) Sunscreen Fabric for Internal Roller Shades b) Material; Glass Yarn-Coated with PVC c) Weave; Basket Weave (or Approved Equal) d) Screen Vision; 5% (or as Employer-approved) e) Color; White/Beige f) Fire Rating; M1, NFPA 701, ASTM E648 g) Thickness; 0.45mm/0.017in.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07		VOL. 2, Section 6 II	NSRP-DWG-OCC-AR-3418 NSRP-DWG-OCC-AR-3412 NSRP-DWG-OCC-AR-3762 NSRP-DWG-OCC-AR-3833	Schedule of Toilet Fixture and Accessories Typical Toilet Enlarge Plan Blow up Detail Multi Purpose Toilet Partition Plans		Location: 128A&B; 206A&B; 306A&B; 406A&B; 506A&B Mark 12: Phenolic Board Toilet Partition Mark 13: Phenolic Board Toilet Door  Tag 3: 150mm thk CHB wall with Waterproofing  Please verify conflict in plan, which shall govern.	<i>That is correct. There are phenolic board partitions inside toilets except for the multipurpose toilet. For the perimeter walls of toilet, use CHB.</i>
S-07		Volume 02, Book 2 (Architectural), 02_SO7 STRUC, CP-S 07_05_CMV_ST  Volume 02, Book 2 (Architectural), 02_SO7 ARCHI, CP-S 07_05_AR-CMV	NSRP -DWG-CMV-ST-4316  NSRP -DWG-CMV-AR - 3301	Catenary Maintenance Vehicle Shop  Depot Structures  Reinforced Concrete Low Wall		Please verify conflict of the RC Wall thickness.	<i>200mm thick includes plaster finish.</i>
S-07		Volume 02, Book 2 (Architectural), 02_SO7 ARCH, CP-S 07_01_AR-OCC  Volume 02, Book 1 (Specifications), 02_TS SCR_P_TS 500	NSRP-DWG-OCC-AR-3437  Page 60 of 495	OCC - Floor Finshes  TS 500: 6) Stone Flooring  Granite tile for exterior landing of stairs and ramps		Floor finish for landing of exterior stairs and ramps shall be "Non-Slip Granite Tile" as per drawings (example illustrated below). Please confirm if this is 900mm x 1200mm x 30mm Honed Granite (Juprana Colombo) based on Technical Specifications. If yes, please provide pay item.	<i>Yes, 900mm x 1200mm x 30mm Honed Granite (Juprana Colombo).</i>
S-07		Volume 02, Book 2 (Architectural), 02_SO7 STRUC, CP-S 07_05_CMV_ST  Bid Bulletin 11, Volume 1, CP S-07 Vol.1A Sec 4A BOQ		Bill of Quantities No. 4-2.3 Catenary Maintenance Vehicle Shop	BOQ 403(2) Reinforcing Steel Bars, Grade 60	Please verify BOQ Quantity of 116,000 kg. As indicated in the Plan, Reinforcements are shown on the following structural members: Slab, Pile Cap, Low RC Wall, and Tie Beam.	<i>Yes, BoQ quantity is correct.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07		Volume 2 Specifications TS 700	122 Refer to Drawing: NSRP-DWG-OCC-EL-5021 NSRP-DWG-OCC-EL-5022 NSRP-DWG-OCC-EL-5290	<b>TS 713 Building Management System</b> <b>TS 713.2.7 Building Management System (BMS)</b>		I/O Requirement listed MDP as Control/Monitor/Alarm. Kindly confirm if MDP MCCB shall be controllable by BMS.	<i>Yes.</i>
S-07		Vol. 2, Sec. 2, Book 2 (Architectural), 03_S07 ELEC	NSRP-DWG-URS-EL-5231	CP S-07_EL_03_URS ECB for Air conditioning Units		Evaporative Air Cooler has no provision for ECB. 1. Please verify Panel Load Schedule 2. Please provide pay item.	<i>Evaporate air cooler power supply can be connected to normal outlet.</i>
S-04		Volume 2		Electrical Single Line Diagram	NSCR-DWG-ALA-EL	Please confirm if the Capacitor Bank is part of our scope.	<i>No. Capacitor bank is scope of work by CP NS-01.</i>
S-04		Volume 2				Low heat cement and slag are not common or not readily available in the Philippines. As such and in order to meet max temperature of 70C after placement as required in the specifications, a typical 40Mpa mix would require 25% of fly ash with strength requirement of 56 days based on our initial mix study. In addition, the temperature at placement should be around 20C which will require a lot of ice and pouring will be restricted at night time and/or early morning. With actual trial mix testing, this initial mix study may be achieved albeit would be very expensive and not common in other infrastructure projects in the country. We think that it is a major challenge to meet the above requirements and we request this be reviewed by designer and provide confirmation.	<i>The maximum temperature of fresh concrete at time of placing should be between 26 to 30 degrees C and should be achieved through normal precautions at the mixing plant, for working in hot-humid climates. The Contractor shall comply with the recommendations of TS200 Clause 206.7.8.4 with regard to pre-cooling and TS200 206.7.8.5 and TS200 Clause 206.7.8.5 regarding the cooling of the concrete. At no stage during the concreting process should the temperature of the fresh concrete exceed 35 degrees C.</i>
S-05		Volume 2		Electrical Single Line Diagram	NSCR-DWG-ALA-EL	Please confirm if the Capacitor Bank is part of our scope.	<i>No. Capacitor bank is scope of work by CP NS-01.</i>
S-05		Volume 2				Low heat cement and slag are not common or not readily available in the Philippines. As such and in order to meet max temperature of 70C after placement as required in the specifications, a typical 40Mpa mix would require 25% of fly ash with strength requirement of 56 days based on our initial mix study. In addition, the temperature at placement should be around 20C which will require a lot of ice and pouring will be restricted at night time and/or early morning. With actual trial mix testing, this initial mix study may be achieved albeit would be very expensive and not common in other infrastructure projects in the country. We think that it is a major challenge to meet the above requirements and we request this be reviewed by designer and provide confirmation.	<i>The maximum temperature of fresh concrete at time of placing should be between 26 to 30 degrees C and should be achieved through normal precautions at the mixing plant, for working in hot-humid climates. The Contractor shall comply with the recommendations of TS200 Clause 206.7.8.4 with regard to pre-cooling and TS200 206.7.8.5 and TS200 Clause 206.7.8.5 regarding the cooling of the concrete. At no stage during the concreting process should the temperature of the fresh concrete exceed 35 degrees C.</i>
S-06		Volume 2		Electrical Single Line Diagram	NSCR-DWG-ALA-EL	Please confirm if the Capacitor Bank is part of our scope.	<i>No. Capacitor bank is scope of work by CP NS-01.</i>

**CP S04-07 Responses to Clarification Requests (Batch 11)**

<b>Packages</b>	<b>Vol</b>	<b>Sec</b>	<b>Page No.</b>	<b>Clause No./Title</b>	<b>Reference Text (if necessary)</b>	<b>Clarification Request</b>	<b>Final Response</b>
S-06		Volume 2		Historical Site Database and Drawings Information	Please refer to the NSCR-Treatment to Historic Building and Structure Table attached as Annex B	With reference to the Treatment method in the Historic Site Data, some structures were stated as “May be demolished”.  Please define and further clarify the term “may be demolished” ? Will it be demolished by someone or will it be following other treatment method(s)?	<i>The bidder is advised that works to Historic Structures are covered by a Provisional Sum</i>
S-06				Scope of Works, Section 6- 1A (Appendix 5)		With reference to scope of works in the Section 6 -1A (Appendix 5), the contractor will execute the PNR works – New bridge supports San Juan River Bridge (provisional). Please provide the details.	<i>New bridge supports of San Juan River Bridge shall not be constructed by the bidder. Appedix 5 shall be amended.</i>
S-06		Volume 2				Low heat cement and slag are not common or not readily available in the Philippines. As such and in order to meet max temperature of 70C after placement as required in the specifications, a typical 40Mpa mix would require 25% of fly ash with strength requirement of 56 days based on our initial mix study. In addition, the temperature at placement should be around 20C which will require a lot of ice and pouring will be restricted at night time and/or early morning. With actual trial mix testing, this initial mix study may be achieved albeit would be very expensive and not common in other infrastructure projects in the country. We think that it is a major challenge to meet the above requirements and we request this be reviewed by designer and provide confirmation.	<i>The maximum temperature of fresh concrete at time of placing should be between 26 to 30 degrees C and should be achieved through normal precautions at the mixing plant, for working in hot-humid climates. The Contractor shall comply with the recommendations of TS200 Clause 206.7.8.4 with regard to pre-cooling and TS200 206.7.8.5 and TS200 Clause 206.7.8.5 regarding the cooling of the concrete. At no stage during the concreting process should the temperature of the fresh concrete exceed 35 degrees C.</i>
S-05		Vol. 2, Sec 6 II drawing Structural SS 10-14	14	Soil cement column	Drawing No. : NSRP-DWG-SS11-ST-4306	This item need related Technical Specification clause. Please, provide the Clause of Technical specification and the Criteria of payment.	<i>Please refer to TS 418 Jet Grouting (Soil Cement Column Foundation).</i>