



General Bid Bulletin No. 21
April 20, 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 12)

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 12)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	2	Drawing		NSRP-DWG-VIA04-ST-0101 to 0105	Pier Schedule	Please provide excel file of pier schedule shown on the drawing, NSRP-DWG-VIA04-ST-0101 to 0105.	<i>Bidder is advised that Excel file shall be included in Addendum 3.</i>
S-05	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&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	2	Drawing		NSRP-DWG-VIA04-ST-0101 to 0105	Pier Schedule	Please provide excel file of pier schedule shown on the drawing, NSRP-DWG-VIA04-ST-0101 to 0105.	<i>Bidder is advised that Excel file shall be included in Addendum 3.</i>
S-06	2	Drawing		NSRP-DWG-VIA04-ST-0101 to 0105	Pier Schedule	Please provide excel file of pier schedule shown on the drawing, NSRP-DWG-VIA04-ST-0101 to 0105.	<i>Bidder is advised that Excel file shall be included in Addendum 3.</i>
S-07	1	Section 3 Evaluation and Qualification Criteria (EQC)	EQC 23	2.4.1 Contracts of Similar Size and Nature	3. At-grade/elevated land transport depot project constructed on a filled site.	This land transport facility is an internal project of the company. Will a Certificate of Completion (COC) by the company suffice as evidence?	<i>Please refer to Note (i) of EQC 2.4.1. as follows: Successful completion shall mean the work under the subject contract has been completed and handed-over and a Taking-Over or Performance Certificate has been obtained from the Client.</i>
S-07	1	Section 3 Evaluation and Qualification Criteria (EQC)	EQC 23	2.4.1 Contracts of Similar Size and Nature	3. At-grade/elevated land transport depot project constructed on a filled site.	Land transport depot projects are rare and mostly small projects, except for the PITX of another company. This requirement should not be restricted to the 10 years inclusive project reference. Please confirm.	<i>A depot project is not rare worldwide. Bidder is advised to refer to revised depot criteria issued in Addendum 2</i>
S-05	2	Section 6		DWG: NSRP-DWG-VIA05-ST-0012 ~ 0048		We refer to the drawings of General Arrangement and there are the lines indicating PNR Future Freight Track. Please clarify PNR Future Freight Track shown on the drawings is South Long Haul, if yes, please provide the detailed construction schedule of PNR Future Freight Track and interfacing area with NSRP.	<i>PNR future track may not be South Long Haul and no detail is available, and will not be constructed during the Contract period</i>
S-06	1	Section 2	BDS2	Bid Data Sheet	B. Contents of Bidding Documents	Regarding to the site data, providing the following reports is requested. - Design report of viaduct with Precast Segmental Construction - Design report of Balance Cantilever Bridge - Design report of Cast In-situ Construction - Design report of Elevated Station - Design report of Tied-arch bridge	<i>Bidder is advised to refer to Site Data and Supplementary Information. Additional information is not available.</i>
S-06	2	Section 6		DWG: NSRP-DWG-VIA05-ST-0012 ~ 0048		We refer to the drawings of General Arrangement and there are the lines indicating PNR Future Freight Track. Please clarify PNR Future Freight Track shown on the drawings is South Long Haul, if yes, please provide the detailed construction schedule of PNR Future Freight Track and interfacing area with NSRP.	<i>PNR future track may not be South Long Haul and no detail is available, and will not be constructed during the Contract period</i>
S-05	2	Sec.6-III Supplementary Information	Page 27~28	PNR Realignment		According to the referred clause, the existing PNR Railway in the Project area planned to be relocated but the dates of relocation are not provided. It is required to know planned date of the PNR Railway Realignment to prepare the Project programme and Construction Sequence. In this regard, please provide the detailed schedule of PNR Railway Realignment.	<i>Unless otherwise specified in the Bid Documents, Bidders are advised that PNR track relocation works will be completed prior to Commencement Date of Civil Works.</i>

CP S04-07 Responses to Clarification Requests (Batch 12)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	2	Vol.2 & Specification	SCRPT TS 200	204.2.7	Geotechnical Investigation Works	As per “Cl. 204.2.7 Geotechnical Investigation Works” of Technical Specifications(TS 200 – Bridges and Viaducts), there is no detailed information for geotechnical investigation works, including but not limited to; - The required numbers of in-situ tests - The required types of in-situ tests (SPT, CPT, FVT etc.) - The required types and numbers of laboratory tests per bore hole - Any specific requests More detailed information for geotechnical investigation works above would be helpful to the Contractors.	<i>Required number of in-situ tests, please refer to TS 204.2.6. Minimum of 11 test piles.</i> <i>Types of in-situ tests, please refer to TS 204.2.6 and TS 204.2.7.1.</i> <i>Please refer to TS 204.2.7.1. All fieldwork shall comply with the procedures as per the listed ASTM standards</i>
S-04	1	Section 4 Bidding Froms	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.	Employer’s Information Requirement (EIRs) document is kindly requested for better understanding of BIM and CMMS requirements of the project	<i>Please refer to Addendum 2 under GBB 16</i>
S-04	1	Section 4 Bidding Froms	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.	Further information regarding legacy of existing Asset Information Model Strategy is kindly requested, to be able to develop proposed CMMS implementation plan in detail.	<i>Please refer to Addendum 2 under GBB 16</i>
S-04	1	Section 4 Bidding Froms	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.	It is kindly requested for the sake of clarity regarding LOD 300 to LOD 500 model upgrade requirement, if modelling of elements is required for the below listed categories in LOD 500 As-Built. a) Complete rebars in 3D for concrete building structure models & post tensions cable systems for the linear viaducts & bridges. b) existing and as-built site conditions stake holder’s entity models including road and utilities along the right of way	<i>Please refer to Addendum 2 under GBB 16</i>
S-04		Tender Drawing 03_CP S-04_VIA00	143 to 170	Drawing No. NSRP-DWG-VIA00-ST-1651~	Emergency Staircase	Only CP S-04 has no emergency staircase. Please clarify the reason why CP S-04 doesn't need emergency staircases. And somehow when it turns to be needed, is it possible to apply VO to the emergency staircases.	<i>Please refer to Addendum 2 under GBB 16</i>
S-04					General Clarification	Please provide us the Key Mileston Schedule of existing PNR diversion	<i>Unless otherwise specified in the Bid Documents, Bidders are advised that PNR track relocation works will be completed prior to Commencement Date of Civil Works.</i>

CP S04-07 Responses to Clarification Requests (Batch 12)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	2	Book 1 (Civil), Package CP S-04 - VIA04	Drawing no. NSRP- DWG-VIA04-ST- 0038	General arrangement (span layout) KM.31+050 to 31+400	Note: 3. It is expected that the active fault line may exist across the NSRP- South line at P-610 to P- 611. For the visual check at the site by the engineer, the contractor is required to expose the undisturbed soil surface prior to commencing the piling work	Referring to the note in drawing no. NSRP-DWG-VIA04-ST-0038, it stated that we are required to test the undistributed soil within the active fault line area. Please confirm the dimensions of the undistributed soil that needed testing; the minimum depth, width and area of excavation of soil.	<i>Bidder is advised that a PS will be introduced in Addendum 3.</i>
S-04	1	Volume 1A Section 4	n/a	405	Concrete Strength - Alabang Station	Please revise Bill of Quantities regarding the concrete strength of Column, Beams and Elevated slabs with 31 MPa as the drawings stated it is 36MPa	<i>The BOQ shall be revised for the appropriate work item description based from the drawing and design requirements. Updated BOQ shall be issued as Addendum 3.</i>
S-05	1	Sec 4A BOQ	29 / 35 / 68 / 97 / 128	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>Required number of in-situ tests, please refer to TS 204.2.6. Minimum of 11 test piles. Types of in-situ tests, please refer to TS 204.2.6 and TS 204.2.7.1. Please refer to TS 204.2.7.1. All fieldwork shall comply with the procedures as per the listed ASTM standards</i>
S-06	1	Sec 4A BOQ	28 / 35 / 71 / 104	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>Required number of in-situ tests, please refer to TS 204.2.6. Minimum of 11 test piles. Types of in-situ tests, please refer to TS 204.2.6 and TS 204.2.7.1. Please refer to TS 204.2.7.1. All fieldwork shall comply with the procedures as per the listed ASTM standards</i>
S-04	2	Sec.6 IB. GS Appendix.7 PNR 2 to 4	-	Item 4 PNR Track Relocation Program	-	According to the referred clause, the existing PNR relocation is planned to be executed from Jan. 2021 to Apr. 2021. Please confirm it.	<i>Unless otherwise specified in the Bid Documents, Bidders are advised that PNR track relocation works will be completed prior to Commencement Date of Civil Works.</i>

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S-05	2	Book 1 (Civil)	NSRP-DWG-VIA05-DR-4010	AT-GRADE MAINLINE DRAINAGE DETAIL OF ROAD CROSSING KM 34+130	Installation of Re-located & Proposed Canal	<p>1) Please clarify whether installation of relocated and proposed canal in which are shown in drawing is included in scope of work.</p> <p>2) If yes, in which item of Bill of Quantities shall installation of relocated and proposed canal be included?</p> <p>3) Depending on a sequence fo work, proposed canal should be installed after decommission of exsting PNR. And PNR Future Freight & Temporary Track should be installed after installation of proposed canal. Kindly advise schedule of PNR Future Freight & Temporary Track installation plan.</p>	<i>The relocated canal shown on the drawings shall be constrcted by the bidder. The proposed canal shown on the drawings shall be constructed by others. Bidder is advised that information about the demarcation between the PNR relocation work and the project construction it has been included Addendum 4.</i>
S-05	2	Sec.6 IB. GS Appendix.7 PNR 2 to 4	-	Item 4 PNR Track Relocation Program	-	<p>According to the referred clause, the exsiting PNR relocation is planned to be executed from Nov. 2020 to Mar. 2021. Please confirm it.</p>	<i>Unless otherwise specified in the Bid Documents, Bidders are advised that PNR track relocation works will be completed prior to Commencement Date of Civil Works.</i>
S-06	2	Sec.6 IB. GS Appendix.7 PNR 2 to 4	-	Item 4 PNR Track Relocation Program	-	<p>According to the referred clause, the exsiting PNR relocation is planned to be executed from Oct. 2020 to Feb 2021. Please confirm it.</p>	<i>Unless otherwise specified in the Bid Documents, Bidders are advised that PNR track relocation works will be completed prior to Commencement Date of Civil Works.</i>
S-07	1A	Section 4A	-	GS118(4) PS-1	<p>GS118(4) Time related charges for Archaeological Monitoring</p> <p>PS-1 Archeological Monitoring The Contractor shall be responsible for the charges and fees imposed for the measures and/or works deemed necessary in the event of discovering archeological interest on site. (Refer to GS 118.9.3).</p>	<p>The item number GS118(4) of the Bill No.1 is deemed to be included in PS-1 of the Provisional sum. However, the item is not indicated “Provisional sum” on the Bill No.1. If a coverage of these 2 items is different, please clarify the coverage of each item.</p>	<i>Correlation between BOQ and Provisional Sums for Historic Structures is under reassessment and will be advised to bidders in Addendum 3</i>
S-07	-	-	-	Depot Access Track With/Without OCS Pole	Concrete & Sand layers below Sub-ballast layer	<p>Concrete and Sand layers are installed below Sub-ballast layer at NSRP-South Depot Access Track With/Without OCS Pole drawings. However, there is no information of Concrete and Sand layers at TS 100-Civil Works. According to TS 100-Civil Works, Sub-ballast layer is installed on Subgrade layer. There is no Concrete and Sand layers between Sub-ballast and Subgrade. Please clarify whether Concrete and Sand layers to be installed below Sub-ballast at Depot Access Track or not. If Concrete and Sand layers to be installed below Sub-ballast, please provide the technical specification of Concrete and Sand layers as well.</p>	<i>Sand layer& concrete layer are not neccessary. Please refer to Addendum 2.</i>

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S-05	1	Section 4	BF43	BIM and CMMS Implementation	<p>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.</p> <p>In addition to the 2-D designs, the Employer will provide BIM design at level LOD 300 post Award of Contract to aid interface coordination. The Contractor is required to develop the BIM to level LOD 500 for as-built drawings and to create a list of assets to be registered and monitored in CMMS. Details are included in General Specification and Appendix 9 PMIS.</p>	<p>Regarding BIM and CMMS implementation, there is no description on BIM with the general specification expect Appendix 9. Page 3 of Appendix 9 PMIS provided very general guideline associated with BIM. We would like to kindly inquire if the Employer can share specification and the Employer's requirement associated with the BIM implementation.</p>	<p><i>Bidders Refer to the following in the Bidding Documents:</i></p> <p><i>Section 3 - Page EQC 13 - Item 4.5 BIM and CMMS Implementation.</i></p> <p><i>Section 4 - Page 45 - BIM and CMMS Implementation</i></p> <p><i>Additional information included in Addendum 2 are as follows:</i></p> <p><i>270235_REP_0010_D9_Info Mgt Plan</i></p> <p><i>270235_REP_0007_D8 CAD Manual Rev B</i></p> <p><i>LWD-ZWD-TDC-BM-000001_Project Specific Procedure Deliverable No. 9 - BIM Information Management Flow</i></p>
S-05	2	01 Specification, 01 GS		Appendix 7, Item 4 PNR Track Relocation Program	4. Please see attached outline program and scope of works.	The contractor was wondering if the outline program was outdated or not. If so, please kindly provide the contractor with the updated schedule for PNR relocation.	<i>Unless otherwise specified in the Bid Documents, Bidders are advised that PNR track relocation works will be completed prior to Commencement Date of Civil Works.</i>
S-05	2	Section 6, II Drawings(Civil/Maintenance Road)		DWG No. NSRP-DWG-VIA05-RD-2003	N/A	In order the contractor to establish the construction plans in the vicinity of temporary PNR track, the contractor would require the cross-section of the PNR temporary track with indicating the clear cut (i.e., boundary) between the temporary PNR track (to be built with the construction period of the project) and the future freight track (to be built later). Kindly provide us with the cross-section with showing the boundary of the temporary PNR track.	<i>Please refer to GS131 for the hoarding requirements to separate the site from PNR operating line. Further PNR freight track will only be installed after completion of the Contract by others.</i>
S-06	1	Section 4	BF43	BIM and CMMS Implementation	<p>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.</p> <p>In addition to the 2-D designs, the Employer will provide BIM design at level LOD 300 post Award of Contract to aid interface coordination. The Contractor is required to develop the BIM to level LOD 500 for as-built drawings and to create a list of assets to be registered and monitored in CMMS. Details are included in General Specification and Appendix 9 PMIS.</p>	<p>Regarding BIM and CMMS implementation, there is no description on BIM with the general specification expect Appendix 9. Page 3 of Appendix 9 PMIS provided very general guideline associated with BIM. We would like to kindly inquire if the Employer can share specification and the Employer's requirement associated with the BIM implementation.</p>	<p><i>Bidders Refer to the following in the Bidding Documents:</i></p> <p><i>Section 3 - Page EQC 13 - Item 4.5 BIM and CMMS Implementation.</i></p> <p><i>Section 4 - Page 45 - BIM and CMMS Implementation</i></p> <p><i>Additional information included in Addendum 2 are as follows:</i></p> <p><i>270235_REP_0010_D9_Info Mgt Plan</i></p> <p><i>270235_REP_0007_D8 CAD Manual Rev B</i></p> <p><i>LWD-ZWD-TDC-BM-000001_Project Specific Procedure Deliverable No. 9 - BIM Information Management Flow</i></p>
S-06	2	01 Specification, 01 GS		Appendix 7, Item 4 PNR Track Relocation Program	4. Please see attached outline program and scope of works.	The contractor was wondering if the outline program was outdated or not. If so, please kindly provide the contractor with the updated schedule for PNR relocation.	<i>Unless otherwise specified in the Bid Documents, Bidders are advised that PNR track relocation works will be completed prior to Commencement Date of Civil Works.</i>

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S-06	2	Section 6, II Drawings(Civil/Maintenance Road)		DWG No. NSRP-DWG-VIA05-RD-2003		In order the contractor to establish the construction plans in the vicinity of temporary PNR track, the contractor would require the cross-section of the PNR temporary track with indicating the clear cut (i.e., boundary) between the temporary PNR track (to be built with the construction period of the project) and the future freight track (to be built later). Kindly provide us with the cross-section with showing the boundary of the temporary PNR track.	<i>Please refer to GS131 for the hoarding requirements to separate the site from PNR operating line. Further PNR freight track will only be installed after completion of the Contract by others.</i>
S-05	1	Vol 1 Section 4	BF39	BIM & CMMS Implementation	Scope of Works	BIM & CMMS Implementation, Section 4 and stated Appendix 9. PMIS seems define overall BIM related scope of works that summarized below - Develop BIM model from provide LOD 300 BIM model to LOD 500 for as-built drawings and create a list of asset for CMMS - Utilize BIM for interface coordination during construction phase Please confirm the BIM related scope of works above and If is there any missing in our understanding of scope of works, clarify.	<i>Confirmed the BIM related Scope of Works: -Develop Employer's LOD 300 models into LOD 500 As-built model and drawings -Implementation of CMMS for asset listing and tagging. -Utilize BIM for interface coordination during the construction phase. -Provide 4D BIM Modeling for Construction Sequencing and visual planning. Please refer to NSCR-GCR-LWD-ZWD-TDC-BM-000001-Rev_0 270235_REP_0010_D9_Info Mgt Plan - 4D sequencing is just for visualization of construction and not for coordination and revision approvals.</i>
S-05	1	Vol 1 Section 4A		BOQ No.1 GS119(3)	-	- BOQ No.1 GS119(3) describes about 'Acceptance of interim BIM models'. Please specify the term "interim BIM models". If there is a guidance for periodic submission of BIM models please kindly let us know.	<i>Interim BIM models have 2 stages. Employer-Engineer to develop BIM model LOD 300, and the Bidder-Contractor to develop BIM Model LOD 500 for as-builts. BOQ item 119(3) has been removed in Addendum 3.</i>
S-05	1	Vol 1 Section 4	BF39	BIM & CMMS Implementation	BIM Implementation Plan (BIM Execution Plan)	If there are the initial BIM model and BIM execution plan, please kindly provide them for preparing the BIM implementation plan. The goals and methods will be more specific if the bidder is provided with the employer's BIM application and operational plan as there is not sufficient information in this bidding document. Please advise.	<i>LOD 300 BIM models is not available, will be issued post award. Bidders Refer to the following documents. Section 3 - Page EQC 13 - Item 4.5 BIM and CMMS Implementation. Section 4 - Page 45 - BIM and CMMS Implementation Page 3 - GS 100 Appendix 9 Project Management Information System Also to be included in the Addendum of the Employer's Requirements are the following documents NSCR-GCR-LWD-ZWD-TDC-BM-000001-Rev_0 270235_REP_0010_D9_Info Mgt Plan</i>

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S-05	1A	CP S-05 Vol.1A Sec.4A BOQ 20101	Bill no.4-1	BOQ No.4-1 SAN PEDRO STATION	PART A. EARTHWORKS	Please, kindly clarify what the backfill is. And what the foundation fill is.	<i>Backfill pertains to the suitable materials to be filled-in/backfilled to the spaces of excavated areas around structures/permanent works. All excavated materials, so far as suitable – shall be utilized as backfill. Please refer to the Technical Specifications, TS 200, Sub-Sections 201.3 and 201.4. On the other hand, Foundation Fill is the special granular material placed below the foundation elevation of the structure – in accordance with the dimensions and thickness as indicated on the drawings and in conjunction with the applicable provisions of the Technical Specifications. Please refer to the Technical Specifications, TS 200, Section 201, and the applicable provisions of Sub-Section 201.4.</i>
S-06	1	Section 4	BF39	BIM & CMMS Implementation	Scope of Works	BIM & CMMS Implementation, Section 4 and stated Appendix 9. PMIS seems define overall BIM related scope of works that summarized below - Develop BIM model from provide LOD 300 BIM model to LOD 500 for as-built drawings and create a list of asset for CMMS - Utilize BIM for interface coordination during construction phase Please confirm the BIM related scope of works above and If is there any missing in our understanding of scope of works, clarify.	<i>Confirmed the BIM related Scope of Works: -Develop Employer’s LOD 300 models into LOD 500 As-built model and drawings -Implementation of CMMS for asset listing and tagging. -Utilize BIM for interface coordination during the construction phase. -Provide 4D BIM Modeling for Construction Sequencing and visual planning. Please refer to NSCR-GCR-LWD-ZWD-TDC-BM-000001-Rev_0 270235_REP_0010_D9_Info Mgt Plan - 4D sequencing is just for visualization of construction and not for coordination and revision approvals.</i>
S-06	1	Section 4A		BOQ No.1 GS119(3)	-	- BOQ No.1 GS119(3) describes about ‘Acceptance of interim BIM models’. Please specify the term “interim BIM models”. If there is a guidance for periodic submission of BIM models please kindly let us know.	<i>Interim BIM models have 2 stages. Employer-Engineer to develop BIM model LOD 300, and the Bidder-Contractor to develop BIM Model LOD 500 for as-builts. BOQ item 119(3) has been removed in Addendum 3.</i>

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S-06	1	Section 4	BF39	BIM & CMMS Implementation	BIM Implementation Plan (BIM Execution Plan)	If there are the initial BIM model and BIM execution plan, please kindly provide them for preparing the BIM implementation plan. The goals and methods will be more specific if the bidder is provided with the employer's BIM application and operational plan as there is not sufficient information in this bidding document. Please advise.	<p><i>LOD 300 BIM models is not available, will be issued post award.</i></p> <p><i>Bidders Refer to the following documents.</i></p> <p><i>Section 3 - Page EQC 13 - Item 4.5 BIM and CMMS Implementation.</i></p> <p><i>Section 4 - Page 45 - BIM and CMMS Implementation</i></p> <p><i>Page 3 - GS 100 Appendix 9 Project Management Information System</i></p> <p><i>Also to be included in the Addendum of the Employer's Requirements are the following documents</i></p> <p><i>NSCR-GCR-LWD-ZWD-TDC-BM-000001-Rev_0 270235_REP_0010_D9_Info Mgt Plan</i></p>
S-07	1	Section 4	BF39	BIM & CMMS Implementation	Scope of Works	<p>BIM & CMMS Implementation, Section 4 and stated Appendix 9. PMIS seems define overall BIM related scope of works that summarized below</p> <ul style="list-style-type: none"> - Develop BIM model from provide LOD 300 BIM model to LOD 500 for as-built drawings and create a list of asset for CMMS - Utilize BIM for interface coordination during construction phase <p>Please confirm the BIM related scope of works above and If is there any missing in our understanding of scope of works, clarify.</p>	<p><i>Confirmed the BIM related Scope of Works:</i></p> <ul style="list-style-type: none"> <i>-Develop Employer's LOD 300 models into LOD 500 As-built model and drawings</i> <i>-Implementation of CMMS for asset listing and tagging.</i> <i>-Utilize BIM for interface coordination during the construction phase.</i> <i>-Provide 4D BIM Modeling for Construction Sequencing and visual planning. Please refer to NSCR-GCR-LWD-ZWD-TDC-BM-000001-Rev_0 270235_REP_0010_D9_Info Mgt Plan</i> <i>- 4D sequencing is just for visualization of construction and not for coordination and revision approvals.</i>
S-07	1	Section 4	BF39	BIM & CMMS Implementation	Scope of Works	<p>The Contractors scope of work is understood that provide LOD 500 model for create a list of asset, not an establish CMMS itself.</p> <p>Please confirm, scope of works regarding of CMMS, above and clarify below,</p> <ul style="list-style-type: none"> - What kind of CMMS solution is considered or used for the Employer's O&M works. - What type of asset shall be listed for CMMS - What kind of FM data shall be collected during construction for the Employer's O&M works 	<p><i>Bidders Refer to following documents, to be included in the Addendum of the Employer's Requirements.</i></p> <p><i>NSCR-GCR-LWD-ZWD-TDC-BM-000001-Rev_0 270235_REP_0010_D9_Info Mgt Plan</i></p>
S-07	1	Section 4	BF39	BIM & CMMS Implementation	Model Authoring S/W	The BIM Model Authoring S/W is not specified within provided document. Please clarify the Model Authoring S/W that was used for LOD 300 BIM Model during design phase for our Implementation Plan.	<i>The authoring software used for LOD 300 model was Autodesk Revit</i>

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S-07	1	Section 4A	-	BOQ No.1 GS119(3)	-	- BOQ No.1 GS119(3) describes about 'Acceptance of interim BIM models'. Please specify the term "interim BIM models". If there is a guidance for periodic submission of BIM models please kindly let us know.	<i>Interim BIM models have 2 stages. Employer-Engineer to develop BIM model LOD 300, and the Bidder-Contractor to develop BIM Model LOD 500 for as-builts. BOQ item 119(3) has been removed in Addendum 3.</i>
S-07	1	Section 4	BF39	BIM & CMMS Implementation	BIM Implementation Plan (BIM Execution Plan)	If there are the initial BIM model and BIM execution plan, please kindly provide them for preparing the BIM implementation plan. The goals and methods will be more specific if the bidder is provided with the employer's BIM application and operational plan as there is not sufficient information in this bidding document. Please advise.	<i>LOD 300 BIM models is not available, will be issued post award.</i> <i>Bidders Refer to the following documents.</i> <i>Section 3 - Page EQC 13 - Item 4.5 BIM and CMMS Implementation.</i> <i>Section 4 - Page 45 - BIM and CMMS Implementation</i> <i>Page 3 - GS 100 Appendix 9 Project Management Information System</i> <i>Also to be included in the Addendum of the Employer's Requirements are the following documents</i> <i>NSCR-GCR-LWD-ZWD-TDC-BM-000001-Rev_0 270235_REP_0010_D9_Info Mgt Plan</i>

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S-06	-	Site Data (For Information Only)			<p>10. List of Site Data Documents</p> <p>10.01 Geotechnical Investigation Report(S) 20 Volumes (Only .pdf Format)</p> <p>10.02 Topographic Survey Drawings</p> <p>10.03 Utilities Database and Drawings</p> <p>10.04 Hydrology Report</p> <p>10.05 Hydrology Report - Areas with Insufficient Capacity (Package Specific)</p> <p>10.06 Marikina Valley Fault Line Seismic Report</p> <p>10.07 Laguna Lake Development Report</p> <p>10.08 Resettlement Action Plan (RAP)</p> <p>10.09 Schedule of Demolitions Due to RAP (Package Specific)</p> <p>10.10 Environmental Impact Statement (EIS)</p> <p>10.11 Tree Survey Report</p> <p>10.12 Tree Cutting Relocation from PNR Private Land</p> <p>10.13 PNR Documents</p> <p>10.14 Historical Structures of Importance</p> <p>10.15 DPWH Structures Interface - (Particularly for S-02)</p> <p>10.16 Traffic Assessment Report</p> <p>10.17 Depot Design Report (S-07)</p> <p>10.18 Risk Register (Package Specific)</p> <p>10.19 Site(s) for Contractor</p> <p>10.20 Location(s) for Procurement of Suitable Fill (S-07)</p> <p>10.21 Site(s) for Spoil Disposal</p>	<p>With reference to the contents of the site data documents, it is noted that some of the site data documents</p> <p>10.05 Hydrology Report - Areas with Insufficient Capacity (Package Specific)</p> <p>10.09 Schedule of Demolitions Due to RAP (Package Specific)</p> <p>10.11 Tree Survey Report</p> <p>10.12 Tree Cutting Relocation from PNR Private Land</p> <p>10.15 DPWH Structures Interface - (Particularly for S-02)</p> <p>10.22 Available Land</p> <p>are not made available for the tenderers inside the folders provided through the link in ITB 6.5.</p>	<p><i>"10.05 - No further information is available.</i></p> <p><i>10.03 - Further information will be made available in Addendum 3 however bidder is advised that this work is covered by a Provisional Sum.</i></p> <p><i>10.09 - Further information will be provided in Addendum 3 however bidder is advised that this work is covered by a Provisional Sum.</i></p> <p><i>10.11 - Tree Survey Report will be issued in Addendum 3.</i></p> <p><i>10.12 - Included in Tree Survey Report to be issued in Addendum 3.</i></p> <p><i>10.15 - No further information is available.</i></p> <p><i>10.22 - Bidder is advised that further information regarding land access will be issued in Addendum 3."</i></p>
S-07	-	Section 3 - 2.4.1 Contracts of Similar Size and Nature	-	-	<p>Participation as a contractor, JV partner, or subcontractor, in at least one contract that has been successfully (i) or substantially (ii) completed within the last ten (10) years immediately prior to the bid submission date and that is similar to the proposed works:</p> <p>The similar work (iii) shall mean a project including the following works:</p> <ol style="list-style-type: none"> 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\$ Dollars (US\$20,000,000). 3. At-grade/elevated land transport Depot project constructed on a filled site 	<p>Please clarify the requirements is for one single project to cover these three key activities or Bidder could propose similar project to each key activity</p>	<p><i>Bidder is advised to refer to revised depot criteria issued in Addendum 2</i></p>

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S-07	-	Section 3 - 2.4.2 Construction Experience in Key Activities	-	-	For the above or other contracts executed during the period stipulated in 2.4.1 above, a minimum construction experience in the following key activities: 1) Construction of major retaining structures at least 8m high of at least 500m length 2) At least one (1) project that included major filling with selected material of at least 750,000 m ³ 37.5m deep including compaction in layers within a 3-year period 3) Construction of at least 10,000 m ³ ground floor area of concrete framed buildings on deep filled sites using piled foundation	Please clarify the requirements is for one single project to cover these three key activities or Bidder could propose similar project to each key activity	<i>Bidder is advised to refer to revised depot criteria issued in Addendum 2</i>
S-04	2		n/a	n/a	Valley Cable Details	Kindly provide Valley Cable Details @ Main Roof for Alabang & Muntinlupa Station	<i>The Supplier of PTFE coating and TiO2 shall provide shop drawing details for the Valley Cables @ main roof Alabang & Muntinlupa stations with the approval of Engineer on-site.</i>
S-04		Pre-Bid Conference		Target Commencement Date- CP S04 to 07	Q: Can the Employer provide the target Commencement Date of the Project? A: DOTr targets the Commencement Date for packages CP S-04 to CP S-07 by end of 2021	Please confirm the target commencement date of Packages CP S-04 to CP S-07.	<i>Target Commencement Date is on 1Q 2022.</i>
S-05	2		n/a	n/a	Valley Cable Details	Kindly provide Valley Cable Details @ Main Roof for Binan, Pacita, San Pedro, & Sta. Rosa Stations	<i>The Supplier of PTFE coating and TiO2 shall provide shop drawing details for the Valley Cables @ main roof Alabang & Muntinlupa stations with the approval of Engineer on-site.</i>
S-05		Pre-Bid Conference		Target Commencement Date- CP S04 to 07	Q: Can the Employer provide the target Commencement Date of the Project? A: DOTr targets the Commencement Date for packages CP S-04 to CP S-07 by end of 2021	Please confirm the target commencement date of Packages CP S-04 to CP S-07.	<i>Target Commencement Date is on 1Q 2022.</i>
S-06	2		n/a	n/a	Valley Cable Details	Kindly provide Valley Cable Details @ Main Roof for Banlic, Cabuyao, & Calamba Stations	<i>The Supplier of PTFE coating and TiO2 shall provide shop drawing details for the Valley Cables @ main roof Alabang & Muntinlupa stations with the approval of Engineer on-site.</i>
S-06		Pre-Bid Conference		Target Commencement Date- CP S04 to 07	Q: Can the Employer provide the target Commencement Date of the Project? A: DOTr targets the Commencement Date for packages CP S-04 to CP S-07 by end of 2021	Please confirm the target commencement date of Packages CP S-04 to CP S-07.	<i>Target Commencement Date is on 1Q 2022.</i>
S-04	2	Sec.6	GS131	131.4	The Contractor shall erect high visibility safety fencing along the demarcation line of the PNR safety zones and shall ensure that the safety fences are duly maintained and kept in good order at all times.	1. Please explain the meaning of "high visibility" in GS131.4. 2. The steel mesh type of fence is match with high visibility safety fencing in GS131.4 or not.	<i>The wording of high visibility is not required. GS131.4 has been revised in Addendum 2.</i>

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S-04	2	Section 6 TS 500	Page 246 ~ 249	523 TENSILE MEMBRANE ROOF STRUCTURE (TMRS)	523.2.1 Material The fabric material should be fiberglass fabric with PTFE coating and TiO2 coating.	Please clarify that 523 specification is follow; Fiberglass fabric with PTFE coating and TiO2 coating material can only be supplied by one company worldwide as our information. Also, since it is a monopoly material, it is expected to be difficult to supply the site and affect the construction budget of the Client. Is there any intention to change to general PTFE material without TiO2 coating for reducing budget and prevent delay in construction period?	<i>The contractor shall submit the approved equivalent of PTFE coating and TiO2 should the originally-specified material not be available.</i>
S-05	2	Section 6 TS 500	Page 246 ~ 249	523 TENSILE MEMBRANE ROOF STRUCTURE (TMRS)	523.2.1 Material The fabric material should be fiberglass fabric with PTFE coating and TiO2 coating.	Please clarify that 523 specification is follow; Fiberglass fabric with PTFE coating and TiO2 coating material can only be supplied by one company worldwide as our information. Also, since it is a monopoly material, it is expected to be difficult to supply the site and affect the construction budget of the Client. Is there any intention to change to general PTFE material without TiO2 coating for reducing budget and prevent delay in construction period?	<i>The contractor shall submit the approved equivalent of PTFE coating and TiO2 should the originally-specified material not be available.</i>
S-06	1	Sec 4A BOQ		GS133(1)	GS133(1) Trees to be root balled, packaged ready for transport elsewhere to be replanted	Please clarify that the work scope of contractor for GS113(1) 'Trees to be root balled, packaged ready for transport elsewhere to be replanted' - The work scope of contractor is that Trees to be root balled, packaged nearby or including transport and replant the Trees?	<i>Tree Inventory Survey Data will be shared in Addendum 3. The BOQ items will be removed and replaced with a PS.</i>
S-06		CP S- 06_02_Structural_S S_15-18	NSRP-DWG-SS15- ST-4001 NSRP-DWG-SS16- ST-4001 NSRP-DWG-SS17- ST-4001 NSRP-DWG-SS18- ST-4001			Please clarify that EF2 equipment foundation work is bidder's work scope or not.	<i>The contractor shall submit the approved equivalent of PTFE coating and TiO2 should the originally-specified material not be available.</i>
S-07	1	Part, Section 4	EQC 23	2.4.1 / Construction Experience / Contracts of Similar Size and Nature	3. At-grade/elevated land transport Depot project constructed on a filled site	A Depot project is normally a storage and maintainance facility. Query: Can we use the land transport depot/yard of manufacturing and fabrication plants and also land transport depot/yard for hauling and delivery equipment such as delivery trucks, trailers, shuttle busses, etc.	<i>A depot for railway or land public transport can be considered to meet the requirement. Bidder is advised to refer to revised criteria issued in Addendum 2</i>
S-07	1	Part, Section 3	EQC 24	2.4.2 / Construction Experience in Key activities	1. Construction of major retaining structures at least 8m high of at least 500 mts length	Constructing a major retaining structures whether 8mts or 5mts, have the same construction methodology whether the length is 300 mts or 500 mts. Easing up the requirements without affecting the qualification standards may increase participation of local contractors and may result to a more competitive bid. Query: May we request that the key activity requirement be modified to; Construction of major retaining structures of at least 5mts minimum height and at least 300 mts. length.	<i>Bidder is advised to refer to revised criteria issued in Addendum 2</i>

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S-04	2	Vol.2 Sec.6 II. Drawings	NSRP-DWG- VIA04-DR-0004	AT-GRADE MAINLINE DRAINAGE GENERAL NOTES, ABBREVIATIONS AND LEGEND	Construction of drainage crossings underneath the freight track and PNR temporary Track are by others and is not included in this construction package.	Please advise whether it will be completed Construction of drainage crossings underneath the freight track and PNR temporary before commencement of project. If not, please advise schedule of consturtion of drainage crossings underneath the freight track and PNR temporary Track to plan the schedule of project.	<i>The relocated canal shown on the drawings shall be constructed by the Bidder. The proposed canal shown on the drawings shall be constructed by others. Bidder is advised that information about the demarcation between the PNR relocation work and the project construction has been included Addendum 4.</i>
S-04	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-59	204.3.8 Access Tubes for Cross-Hole Sonic Log Testing	access tube inside diameter	"Access tubes for cross-hole sonic log testing shall be steel pipe of 3.6mm minimum wall thickness and at least 38.1mm inside diameter." However, Clause 401.3.7 in TS 400 indicate inside diameter is at least 138.1mm. Please clarify which one is correct between TS 200 and TS 400 for inside diameter for access tubes for cross-hole sonic log testing.	<i>Correct access tube inside diameter for cross hole sonic log testing is 38.1mm. TS200 is correct. Clause 401.3.7 in TS400 shall be revised under Addendum 3.</i>
S-04	2	Vol.2 Book 1 (Civil) Drawings	NSRP-DWG- VIA00-ST-0301	PILE LAYOUT SHEET 1	Geotechnical Notes 11.	"Temporary support and/or excavation batter required during pilecap excavation shall be determined by the Engineer." Please clarify what "the Engineer determine temporary support and/or excavation batter" means.	<i>All temporary works shall be Contractor's responsibility but subject to Engineer's approval.</i>
S-04	2	Vol.2 Sec.6-IA	SOW-10	2.2.3 Viaduct Superstructure	-	The following findings have been identified in sub-clause (2) Cast In-Situ (CIS) Concrete viaducts: 1) Structure No. CIS50-17 is listed as a 40m span bridge. On the contrary, in drawing NSRP-DWG-VIA04-ST-0036, this span measures 31.7m 2) Structure No. CIS60-8 and pier P-612 doesn't appear in the project drawing NSRP-DWG-VIA04-ST-0038. Indeed, in the same location there is a structure, named CIS90-2, between piers P-611 and P-613 (pier P-612 doesn't exists). 3) Bridge CIS60-9 at chainage 32+304, between piers P-642 and P-643, is included in drawing NSRP-DWG-VIA04-ST-0041 but not in clause 2.2.3.2 of SOW. The Company is kindly requested to clarify the aforementioned discrepancies and report their impact on the BOQ, if any.	<i>1. As per drawing NSRP-DWG-CIS50-ST-0011 Rev 21, span length 'S' of CIS50-17 is 31.7m. Also, as per drawing NSRP-DWG-VIA04-ST-0036 Rev 21, the span length of CIS50-17 is 31.7m. As per NSRP-DWG-VIA00-ST-0025 Rev 21, span length of CIS50-17 is 31.7m. No conflict has been found in the span lengths shown in the drawings. 2. Yes, P-612 and CIS60-8 has been removed in the drawings. 3. CIS60-9 needs to be added in clause 2.2.3.2 of SOW. The changes have been reflected in Addendem 3.</i>

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S-04	1	Vol.1 Sec.4 & Vol.2 Sec.6 IB GS	BF43 & GS100 Appendix 9	BIM and CMMS Implementation	-	<p>In accordance with the referred clause, the Contractor should implement BIM model from LOD 300 to 500 and connect it to Aconex which is the Project Management Information System (PMIS) for computerized maintainance.</p> <p>In this regards, please provide response for the queries below.</p> <ol style="list-style-type: none"> 1. Responsibility of PMIS establishment (Whether it is provided by the Employer or the Contractor should establish his own system) 2. Responsibility of PMIS Operation and System Maintenance Cost (Whether it is executed by the Employer or the Contractor should execute by himself) 	<i>PMIS for the Project (Aconex) shall be established by the Engineer of behalf of the Employer. The Contractor shall procure Aconex service to join the Engineer's and Employer's Aconex platform. The Contractor's cost of Aconex shall be reimbursed by the Employer through pay item GS 119 (1) to GS 119 (4) of Bill No.1 in the BOQ. The Engineer shall manage the overall implementation of the Aconex platform for the Project. The Contractor shall be responsible to implement Aconex as required by the Engineer for submission of its deliverables, official communication/correspondences, etc.</i>
S-04	2	Vol.2 Sec.6 IA Scope of Works Appendix 5	SOW-22	PNR Works to be executed by the Contractor	-	In the referred section, PNR Works to be executed by the Contractor are to be advised. Please provide detail information of it.	<i>Unless otherwise specified in the Bid Documents, Bidders are advised that PNR track relocation works will be completed prior to Commencement Date of Civil Works.</i>
S-04	2	Vol.2 Sec.6 IA Scope of Works Appendix 6	SOW-23	Other Highway Works	-	In the referred section, Other Highway Works are to be advised. Please provide detail information of it.	<i>There will be no other Highway Works.</i>
S-04	2	Vol.2 Sec.6 IA Scope of Works Appendix 7	SOW-24	Other Works	-	In the referred section, Other Works are to be advised. Please provide detail information of it.	<i>There will be no other works.</i>
S-05	2	Vol.2 Sec.6-IB GS	GS3	GS103 Possession of Site and Contractor's Mobilization	-	<p>According to the referred clause, "...The Philippines National Railway owns and operates a Commercial Railway from Tutuban in Manila to the south beyond Calamba City and has the right to operate works and freight trains in addition to passenger trains over the whole Right of Way. These services will remain in operation throughout the program of the Works, so some areas of the Site which are contained within the PNR Right of Way will remain dedicated to PNR's operations and will not be available to the Contractor for his use. The areas that the PNR operations require may be changed during the contract period as the PNR facilities are moved by PNR/PNR's contractors to facilitate construction of the Works. The Drawings show the existing and proposed future alignments of the PNR and the Contractor shall inform himself fully of the constraints. No claims in this respect from the Contractor due to lack of knowledge will be entertained by the Engineer/the Employer. See GS 131 and Appendix 7 for PNR constraints..." and "...As and when areas of the Site become available for use by the Contractor, the Employer will provide the Contractor with the right of access to and possession of such areas of the Site. At no time will the Contractor be granted full possession of the Site as the PNR will retain its rights to operate a Railway through the Site and the Contractor must not obstruct these areas at any time. The Contractor shall program his works accordingly to align with available possession ..."</p> <p>With this condition, the Contractor is required to reflect detailed Re-alignment schedule of the existing PNR line on their construction schedule to achieve challenging Key Dates in the Contact.</p> <p>However, it is not presented the detailed relocation schedule of existing PNR alignment on the mentioned appendix data.</p> <p>In this regard, please provide detail Re-alignment schedule of the existing PNR line (with specific description of the delayed seciton) for tenderer's reliable proposal.</p>	<i>Unless otherwise specified in the Bid Documents, Bidders are advised that PNR track relocation works will be completed prior to Commencement Date of Civil Works.</i>

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S-05	3	Volume 3 & Section 8 PCC	PCC-10	Part B - Specific Provision CP S04-07 Responses to Clarification Request (Batch 2)	<p>Reference from 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 item so that the cost saving or cost increase can be ascertained and reported. It excludes comprehensive remeasurement. Bidder is advised as follows:</p> <p>Reference from CP S04-07 Responses to Clarification Request 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 design as instructed. This will not require wholesale remeasurement.</p>	<p>Bidder would make the references to the following from the Invitation For Bids (ITBs).</p> <p>1) Section 8 - Part B Specific Provisions - 1.1.6.12 : Bidder understands that some specific and defined items in ITB will be only remeasured.</p> <p>2) Section 4A - Bill of Quantities - Preamble 3 : Bidder understands that the Contractor will be paid for the actual quantities of Work done, which has been duly inspected by the Engineer at the rates in the Bills of Quantities.</p> <p>3) Section 6 - Employer's Requirement - IC - Technical Specification - TS 100 ~ TS 700 Annex A : Bidder understands that Annex A of TS defines the method of measurement for remeasurable items in the Bills of Quantities.</p> <p>In light of the above, Bidder understands that the specified quantities of Work under Bills of Quantities will be remeasured in line with the Annex A of TS.</p> <p>For example, regarding Bill of Quantities No. 2 - Item No. 201(3)a2, the specified earthwork would vary from 692m3 to 800m3 according to the site conditions. Then, provided that the actual Work done is measured in line with the applicable Annex A of TS and is duly inspected by the Engineer for 800m3 of earthwork, the Contractor will be paid for 800m3 at the rates of Bills of Quantities.</p> <p>Please confirm whether Bidder's understanding is correct.</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>
S-05	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-59	204.3.8 Access Tubes for Cross-Hole Sonic Log Testing	access tube inside diameter	<p>"Access tubes for cross-hole sonic log testing shall be steel pipe of 3.6mm minimum wall thickness and at least 38.1mm inside diameter." However, Clause 401.3.7 in TS 400 indicate inside diameter is at least 138.1mm.</p> <p>Please clarify which one is correct between TS 200 and TS 400 for inside diameter for access tubes for cross-hole sonic log testing.</p>	<p><i>Bidder is advised that the updates to TS 400 is part of Addendum 3.</i></p>
S-05	2	Vol.2 Book 1 (Civil) Drawings	NSRP-DWG-VIA00-ST-0301	PILE LAYOUT SHEET 1	Geotechnical Notes 11.	<p>"Temporary support and/or excavation batter required during pilecap excavation shall be determined by the Engineer."</p> <p>Please clarify what "the Engineer determine temporary support and/or excavation batter" means.</p>	<p><i>All temporary works shall be Contractor's responsibility but subject to Engineer's approval.</i></p>

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S-05	1	Vol.1 Sec.4 & Vol.2 Sec.6 IB GS	BF43 & GS100 Appendix 9	BIM and CMMS Implementation	-	<p>In accordance with the referred clause, the Contractor should implement BIM model from LOD 300 to 500 and connect it to Aconex which is the Project Management Information System (PMIS) for computerized maintainance.</p> <p>In this regards, please provide response for the queries below.</p> <ol style="list-style-type: none"> 1. Responsibility of PMIS establishment (Whether it is provided by the Employer or the Contractor should establish his own system) 2. Responsibility of PMIS Operation and System Maintenance Cost (Whether it is executed by the Employer or the Contractor should execute by himself) 	<p>PMIS for the Project (Aconex) shall be established by the Engineer of behalf of the Employer. The Contractor shall procure Aconex service to join the Engineer's and Employer's Aconex platform. The Contractor's cost of Aconex shall be reimbursed by the Employer through pay item GS 119 (1) to GS 119 (4) of Bill No.1 in the BOQ. The Engineer shall manage the overall implementation of the Aconex platform for the Project. The Contractor shall be responsible to implement Aconex as required by the Engineer for submission of its deliverables, official communication/correspondences, etc.</p>
S-05	2	Vol.2 Sec.6 IA Scope of Works Appendix 5	SOW-24	PNR Works to be executed by the Contractor	-	<p>In the referred section, PNR Works to be executed by the Contractor are to be advised. Please provide detail information of it.</p>	<p>Unless otherwise specified in the Bid Documents, Bidders are advised that PNR track relocation works will be completed prior to Commencement Date of Civil Works.</p>
S-05	2	Vol.2 Sec.6 IA Scope of Works Appendix 6	SOW-25	Other Highway Works	-	<p>In the referred section, Other Highway Works are to be advised. Please provide detail information of it.</p>	<p>There is no other Highway Works.</p>
S-05	2	Vol.2 Sec.6 IA Scope of Works Appendix 7	SOW-26	Other Works	-	<p>In the referred section, Other Works are to be advised. Please provide detail information of it.</p>	<p>There is no other works</p>
S-05	1A	S-05 Vol.1A Sec.4A	STA. ROSA BOQ No. 4-4	-	Doors and windows	<p>Please confirm that all glass louver windows are "Fixed glass louver" type. Only Sta. Rosa station dwg mention "Motorized glass louver" that may be typo.</p>	<p>Redesign is nothing related to the bid at current stage</p> <p>Fixed glass louver confirmed for SRO. Please refer to NSRP-DWG-SRO-AR-3563 and SRO-AR-3564.</p>
S-06	2	Vol.2 Sec.6-IB GS	GS3	GS103 Possession of Site and Contractor's Mobilization	-	<p>According to the referred clause, "...The Philippines National Railway owns and operates a Commercial Railway from Tutuban in Manila to the south beyond Calamba City and has the right to operate works and freight trains in addition to passenger trains over the whole Right of Way. These services will remain in operation throughout the program of the Works, so some areas of the Site which are contained within the PNR Right of Way will remain dedicated to PNR's operations and will not be available to the Contractor for his use. The areas that the PNR operations require may be changed during the contract period as the PNR facilities are moved by PNR/PNR's contractors to facilitate construction of the Works. The Drawings show the existing and proposed future alignments of the PNR and the Contractor shall inform himself fully of the constraints. No claims in this respect from the Contractor due to lack of knowledge will be entertained by the Engineer/the Employer. See GS 131 and Appendix 7 for PNR constraints..." and "...As and when areas of the Site become available for use by the Contractor, the Employer will provide the Contractor with the right of access to and possession of such areas of the Site. At no time will the Contractor be granted full possession of the Site as the PNR will retain its rights to operate a Railway through the Site and the Contractor must not obstruct these areas at any time. The Contractor shall program his works accordingly to align with available possession ..."</p> <p>With this condition, the Contractor is required to reflect detailed Re-alignment schedule of the existing PNR line on their construction schedule to achieve challenging Key Dates in the Contact.</p> <p>However, it is not presented the detailed relocation schedule of existing PNR alignment on the mentioned appendix data.</p> <p>In this regard, please provide detail Re-alignment schedule of the existing PNR line (with specific description of the delayed seciton) for tenderer's reliable proposal.</p>	<p>Unless otherwise specified in the Bid Documents, Bidders are advised that PNR track relocation works will be completed prior to Commencement Date of Civil Works.</p>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	2	Vol.2 Sec.6 II. Drawings	NSRP-DWG- VIA06-DR-0004	AT-GRADE MAINLINE DRAINAGE GENERAL NOTES, ABBREVIATIONS AND LEGEND	Construction of drainage crossings underneath the freight track and PNR temporary Track are by others and is not included in this construction package.	Please advise whether it will be completed Construction of drainage crossings underneath the freight track and PNR temporary before commencement of project. If not, please advise schedule of consturion of drainage crossings underneath the freight track and PNR temporary Track to plan the schedule of project.	<i>Unless otherwise specified in the Bid Documents, Bidders are advised that PNR track relocation works will be completed prior to Commencement Date of Civil Works.</i>
S-06	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-51	204.2.6 Test Piles	Load tests for axial load capacity, shall be carried out after 28 days design strength is achieved.	As per our experience, load tests is able to be carried out to derive strength from end bearing and side friction for the test piles before 28 days design strength is achieved, for example 14 days after concrete pouring. Please clarify whether the Contractor can carry out the load tests for axial load capacity before 28 day concrete curing.	<i>The pile concrete must achieve the characteristic 28-day strength. Due to the high magnitude of load use in the test, we need to ensure failure of the concrete does not occur.</i>
S-06	2	Vol.2 Book 1 (Civil) Drawings	NSRP-DWG- VIA00-ST-0301	PILE LAYOUT SHEET 1	Geotechnical Notes 11.	"Temporary support and/or excavation batter required during pilecap excavation shall be determined by the Engineer." Please clarify what "the Engineer determine temporary support and/or excavation batter" means.	<i>All temporary works shall be Contractor's responsibility but subject to Engineer's approval.</i>
S-06	1	Vol.1 Sec.4 & Vol.2 Sec.6 IB GS	BF44 & GS100 Appendix 9	BIM and CMMS Implementation	-	In accordance with the referred clause, the Contractor should implement BIM model from LOD 300 to 500 and connect it to Aconex which is the Project Management Information System (PMIS) for computerized maintainance. In this regards, please provide response for the queries below. 1. Responsibility of PMIS establishment (Whether it is provided by the Employer or the Contractor should establish his own system) 2. Responsibility of PMIS Operation and System Maintenance Cost (Whether it is executed by the Employer or the Contractor should execute by himself)	<i>PMIS for the Project (Aconex) shall be established by the Engineer of behalf of the Employer. The Contractor shall procure Aconex service to join the Engineer's and Employer's Aconex platform. The Contractor's cost of Aconex shall be reimbursed by the Employer through pay item GS 119 (1) to GS 119 (4) of Bill No.1 in the BOQ. The Engineer shall manage the overall implementation of the Aconex platform for the Project. The Contractor shall be responsible to implement Aconex as required by the Engineer for submission of its deliverables, official communication/correspondences, etc.</i>
S-06	2	Vol.2 Sec.6 IA Scope of Works Appendix 5	SOW-23	PNR Works to be executed by the Contractor	-	In the referred section, PNR Works to be executed by the Contractor are to be advised. Please provide detail information of it.	<i>Unless otherwise specified in the Bid Documents, Bidders are advised that PNR track relocation works will be completed prior to Commencement Date of Civil Works.</i>
S-06	2	Vol.2 Sec.6 IA Scope of Works Appendix 6	SOW-24	Other Highway Works	-	In the referred section, Other Highway Works are to be advised. Please provide detail information of it.	<i>There is no other Highway Works</i>
S-06	2	Vol.2 Sec.6 IA Scope of Works Appendix 7	SOW-25	Other Works	-	In the referred section, Other Works are to be advised. Please provide detail information of it.	<i>There is no other works.</i>
S-06	2	Vol.2 Sec.6 IA Scope of Works Appendix 5	SOW-23	PNR Works to be executed by the Contractor	-	In the referred section, New bridge supports for San Juan River bridge is supposed to be executed by the Contractor provisionally. However, there is no specific information of this bridge work and it is not shown in the BOQ items. Please provide the Contractor's work scope and detail information of it for bidders estimation.	<i>1)Please refer to GBB No.16, Addendum No.2, Volume 2, BOQ, Bill No.8 Provisional Sum, PS-4 : Historical PNR Structure Protection/Relocation/Demolition 2)Details of new bridge supports for San Juan River needs to be coordinated with PNR. Bidder is advised that Sect 6-1A, Appendix 5 will be revised in Addendum 4.</i>

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S-06	1	Part I – Bidding Procedures Section 4A – Bill of Quantities		Preamble, clauses 2 and 3	Bidder is advised as follows; The Works design is Detailed Design and the Bills of Quantities have been measured to reflect the Detailed Design. This means that with limited exclusions there will be no reason to 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.	The Multilateral Development Bank Harmonised Edition June 2010 (FIDIC) is a remeasurement contract where quantities provided at tender are indicative only. Quantities are then remeasured during execution of the works and the Contractor is paid on the basis of actual quantities executed and in accordance with method of measurement. However, that the preamble of the BOQ identifies the quantities given therein to be accurate and represent the work shown on the drawings, described in the Scope of Works and the Specification at the time of Bid Submission. We note this represents an amendment when compared with previous packages under the MCRP tendering process and there is no definition of the term "ad measurement". Can the Employer please explain the implications, if any, of the proposed "ad-measurement" when compared with a re-measurement with quantities in the BOQ being estimated and provisional?	<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-05	-	12_CP S-05_Main Drainage	-	12_CP S-05_Main Drainage (NSRP-DWG-VIA05-DR-0007)Schedule of Canal Realignment	-	Earthworks and Structural Works for Canal Realignment (Cast In Place RCBC), Please confirm under what Pay Items? See 12_CP S-05_Main Drainage (NSRP-DWG-VIA05-DR-0007)Schedule of Canal Realignment	<i>The BOQ shall be revised to include Earthworks & Structural Works for Canal Realignment. For Earthworks - Please refer to the revised BOQ, Bill No. 5, Part A, Item 201(4)b. For Structural Works - Please refer to the revised BOQ, Bill No. 5, Part B, Item Nos. 206(8)d, 206(10)d, 207(1)b & 207(1)e. Updated/revised BOQ shall be issued as Addendum 3.</i>
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_01_SRO_AR	-	NSRP-DWG-SRO-AR-3033, NSRP-DWG-SRO-AR-3569	-	Please verify wall finishes for Indoor Walkway, AFC Room, and AFC UPS. The rooms specified have listed contrasting finishes.	<i>For wall finishes, please use WF2 SEMI-GLOSS LATEX PAINT FINISH ON WALL for Indoor Walkway, AFC Room, and AFC UPS. Sheets NSRP-DWG-SRO-AR-3033, NSRP-DWG-SRO-AR-3569 to be revised as REV. 21.3 dated April 07 2021.</i>
S-05	2	Volume 2_03 Book 2 (Architectural) - CP S-05_01_SRO_AR	-	NSRP-DWG-SRO-AR-3033, NSRP-DWG-SRO-AR-3101	-	Please clarify if the baggage room stated in the schedule of finishes is the same as the storage room depicted in the floor plan.	<i>There is no baggage room. Schedule of finishes to be revised. Storage room to be added on schedule of finishes NSRP-DWG-SRO-AR-3033 rev. 21.3 April 07 2021.</i>
S-06	1	Volume 1 1.3 CP S-06 Vol.1A Sec.4A BOQ	-	Bill No. 4-1 stand pipe and hose system Item no. 630(8)	-	Please clarify the items included in stand pipe and hose system.	<i>items included are as follows:</i> <i>150 x 65 mmØ Siamese Twin Fire Department Connection with Cap and Chain, including Identification Sign, Miscellaneous & Consumables, hangers & supports, and other necessary item required to complete the System --- 1 no.</i> <i>150 mmØ Check Valve --- 1 no.</i> <i>150 mmØ Gate Valve --- 1 no.</i>
S-07	1A	Volume 1A Sec.4A BoQ	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-OCC-EL-5022	-	Reference: OCC Building- Electrical According to the drawing, the "Panel MDP-Fire Pump" is out of the contractor's scope, but the item of MDP-Fire Pump and its Q'ty are defined in the BOQ. Please clarify the scope of the Panel MDP-Fire Pump related works.	<i>1)Drawing Reference No. NSRP-DWG-OCC-EL-5022 Rev21 does not indicate that the "Panel MDP-Fire Pump" is out of the contractor's scope. Scope of Work by Other Side - implies Mechanical Related-Works (such as the Panel MDP for the Fire Pump). 2)For the scope of the Panel MDP-Fire Pump, Please refer to drawing no. NSRP-DWG-OCC-EL-5023 Rev.21.</i>

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S-07	2	Volume 2 N/A	-	Book 2 (Architectural) / 03_S07 ELEC Drawing No. NSRP-DWG-OCC-EL- 5091	-	Reference: OCC Building- Electrical The same name as the power distribution panels on 4th floor has been applied to the power distribution panels on 5th floor as follows: - 4LP1, 4ELP1, 4PP1, and - 4LP2, 4PP2, 4ELP2 Please clarify it.	<i>Reference: NSRP-DWG-OCC-EL-5021 Name of the power distribution panels on 5th Floor are as follows : - 5LP1, 5ELP1, 5PP1, and - 5LP2, 5PP2, 5ELP2 Details were already indicated on listed drawings for the power distribution panels on 5th floors. No amendment of drawing is need.</i>
S-07	2	Volume 2 Sec.6 ERQ	14	2.3.4 Water Supply	-	The clause 13 is missing in the GCC document. Please let us know which clause we shall refer to in relation to this clause.	<i>GCC Clause 13 may be read in the FIDIC Pink Book.</i>
S-04	2	Volume 2- Sec.6-IA Scope of Works	SOW-10	2.2.3 Viaduct Superstructure	-	"Please can the following be clarified: The numbers of precast spans in the SOW do not seem to match the drawings, for instance: a) There seem to be no 11.5m width spans in the SOW table, but they are shown on the drawings? b) The nos. of 10.3m width spans on the drawings seem to be 158 no. X 40m, 16 no. X 35m, 7 no. X 32.5m, but the SOW table seems to give different numbers? c) In the Cast-In-Situ concrete viaducts table, it seems that the 13no. quoted should be CIS90-2 structure rather than CIS60-8? d) We read the drawings to show one structure CIS90-2 between P-642 and P-643 but it seems to be missed from the table?"	<i>Bidder is advised to follow the latest drawings.</i>
S-04	2	Volume 2 Section 6 - Employer's Requirements IB – General Specification	GS68	119.3.2 Working Drawings	-	Please can limitations be provided on the time the Engineer will take in reviewing the Contractor's working drawings? - and the maximum number of reviews that will be made?	<i>Please refer GCC 3.1 Engineer's Duties and Authority.</i>
S-04	2	Section 6	GS 95	130.2.3 Other Insurance as required by the Employer or by the Laws of the Philippines. f) Professional Indemnity (PI) Insurance Permanent Works Design.....	According to the tender document, the contractor only requires to design for temporary works, so what Permanent Work require the contractor to carry out the design as this is not a Design and Build project. Please clarify	<i>This is Engineering Design Project. All permanent works shall be under Engineering Design, unless otherwise stated in the Bid Documents.</i>
S-04	2	Section 6	GS 68	119.3.2 Working Drawings; Paragraph 3 & 5 The Contractor shall allow a minimum of 28 days for the Engineer to review and comment upon submission.	May we suggest to change a minimum of 28 days for the Engineer to review and comment to 14 days, as this is not a design and build project and all drawing submit for review is based on the tender design drawing, the contractor will use this as a basic to develop a construction drawing for review before construction.	<i>Bidder's request is noted. However, the bidder is advised that requirements in the Bidding Documents stands during the bidding</i>
S-04	2	Section 6	GS 68	119.3.3 Delay in Approval of Working Drawingsthe issue of an NORnot be considered as a cause for Notice to be raised under Claus 1.9 of the GCC.	In our opinion this Clause not fair to the contractor, because in Clause 119.3.2 Working Drawings "Paragraph 5" not mention how many days for the Engineer to review the 2nd submission after the contractor resubmit the drawing for review. Without indicating the number of days in the Clause, the Engineer may take his time to review the drawing, therefore we suggest the Employer to allow maximum 14 days in the Clause for every resubmission for review.	<i>Bidder's request is noted. However, the bidder is advised that requirements in the Bidding Documents stands during the bidding</i>
S-04	2	Vol.2 - Part II - Requirements - Section 6 - Employer's Requirements - IA - Scope of Works	SOW-18	Item 3. Items to be removed intact, stored and repositioned on site later:	35 Bucal Bridge	10.14 Historical Structures of Importance Vol. 1 of 2 CP S-04, Page 68. PNR Proposal/Decision and cross reference to Vol 2 of 2 - Mapping of Structures. 1) The documents mentioned that the Bucal Bridge to be preserved in current location, so any protection requires to protect the bridge during construction. Please advise 2) Temporary bridge for the PNR temporary tracks crossing Bucal Bridge or other bridges is under who scope of work. Please advise	<i>1) The bidder is required to maintain the existing condition. 2) Temporary bridge for the PNR temporary tracks crossing Bucal Bridge or other bridges is under other's scope of work.</i>

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S-04	2	Vol. 2 - Part II - Requirements, Section 6 - Employer's Requirements, IB - General Specification	GS 98	131.4 Safety Consideration	"Work may only be carried out between 18.00 and 05.00 (A maximum of 11 hours including all preparation and clearing time)"	The PNR alignment show in the Google Map passing through residential, commercial area and agriculture land. a) Which location or area classify as railway protection and safety zones. Please advise b) What is the working hour for the location or area not fall within the protection and safety zone. Please advise	<i>GS 131.4 has been updated in Addendum 3 to reflect the railway safety zone. Please refer to relevant PCC clauses for the allowable working hours in a normal site area.</i>
S-04	2	Vol. 2 - Part II - Requirements, Section 6 - Employer's Requirements, IB - General Specification	GS 97	131.2 Restricted Activities	Construction activities within the railway protection and safety zones shall be considered restricted activities in the following cases: a)f)	Without adopting the construction activities listed in Item a) to f), the Contractor unable to carry out the work without using it, for example foundation work. It also highlighted in GS 103-page 3 paragraph 3, that "No claims in this respect from the Contractor due to lack of knowledge will be entertained by the Engineer/the Employer. See GS 131 and Appendix 7 for PNR constrain. Please advise	<i>Yes, Case a) to f) are restricted activities in restricted activities within the railway protection and safety zones, in general. Those restricted activities shall be planned and implemented during non-operating hour with necessary measures being approved by the Engineer and the PNR. Please note that the definition of the railway safety and protection zone has been defined in the GS under Addendum 2. Majority of the scope of works shall be outside the railway safety and protection zone. Please also take note of the hoarding requirement in the GS to fence out the safety and protection zone.</i>
S-04	2	Vol. 2, Part II- Requirements, Section 6- Employers Requirements, IC- Technical Specification, TS 200	TS-100-Annex A-9	204.1.1.2-Geotechnical Investigation Works	The measurement for payment of Geotechnical Investigation Works, either proposed by the Contractor and approved by the Engineer or as directed by the Engineer for purposes of confirming geotechnical properties of soil and rock and to determine the founding elevation of the bored piles specified in the Drawings, S.....	a) According to "CP S04-07 Responses to Clarification Requests (Batch 2)", 2nd row, Final Respond, that "The Works design is Detailed Design and the Bills of Quantities have been measured to reflect the Detailed Design", so under what circumstances that the Engineer will directed the Contractor to carry out Geotechnical Investigation Works for bored piles as per the Final Respond that "The Works design is Detailed Design". Please clarify b) The implication is for the Item a) above require additional time and resources will be deployed to the site when the Contractor carried out any Works directed by the Employer representative, vice versa no additional time and resources if will be deployed the design is completed. Please advise	<i>a)The Bidder is advised to refer to the Technical Specifications, TS 200, Section 204; Sub-Section 204.2.7 - Geotechnical Investigation Works. Further, for the Employer's project requirements - the Bidder is advised to read the Technical Specifications in conjunction with the BOQ, Drawings, General Specifications, Scope of Work (Sow), General & Particular Conditions of Contract and other contract documents. b)The Geotechnical Investigation works is included in the BOQ, Bill Nos. 3 & 4, Item No.204(1), hence, it must be covered by the contractor's resources and no additional time shall be required.</i>
S-05	2	Vol.2 Sec.6-IA Scope of Works	SOW-11	2.2.3 Viaduct Structure and Superstructure	-	The number of 30 M length spans of 10.3m width are stated to be 35no. but the drawings show only 34 no. Please can this be clarified?	<i>The revised SOW shall be updated and issued under Addendum 3.</i>
S-06	1	Volume 1 Section 4	BF44	Design Submittal and Design Review Program	-	Please provide the scope and extent of any design work to be implemented by the Contractor?	<i>There will be no permanent design carried out by the bidder unless otherwise specified in the bid documents. All temporary works shall be Contractor's responsibility but subject to Engineer's approval.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	2	Vol. 2, Part II-Requirements, Section 6-Employers Requirements, IC-Technical Specification, TS 200	TS-100-Annex A-9	204.1.1.2-Geotechnical Investigation Works	The measurement for payment of Geotechnical Investigation Works, either proposed by the Contractor and approved by the Engineer or as directed by the Engineer for purposes of confirming geotechnical properties of soil and rock and to determine the founding elevation of the bored piles specified in the Drawings, s.....	a) According to "CP S04-07 Responses to Clarification Requests (Batch 2)", 2nd row, Final Respond, that "The Works design is Detailed Design and the Bills of Quantities have been measured to reflect the Detailed Design", so under what circumstances that the Engineer will directed the Contractor to carry out Geotechnical Investigation Works for bored piles as per the Final Respond that "The Works design is Detailed Design". Please clarify b) The implication is for the Item a) above require additional time and resources will be deployed to the site when the Contractor carried out any Works directed by the Employer representative, vice versa no additional time and resources if will be deployed the design is completed. Please advise	<i>a)The Bidder is advised to refer to the Technical Specifications, TS 200, Section 204; Sub-Section 204.2.7 - Geotechnical Investigation Works. Further, for the Employer's project requirements - the Bidder is advised to read the Technical Specifications in conjunction with the BOQ, Drawings, General Specifications, Scope of Work (Sow), General & Particular Conditions of Contract and other contract documents. b)The Geotechnical Investigation works is included in the BOQ, Bill Nos. 3 & 4, Item No.204(1), hence, it must be covered by the contractor's resources and no additional time shall be required..</i>
S-07	1	Volume 1&Section 3	EQC24	2.4.2Construction Experience in Key Activities	3.Construction of at least 10,000 m3 ground floor area of concrete framed buildings on deep filled sites using piled foundation	Please can it be confirmed whether the unit of "ground floor area of concrete framed buildings" is correctly marked here? Should it be "10,000 m2" instead of "10,000 m3"?	<i>Bidder is advised to refer to revised depot criteria issued in Addendum 2</i>
S-07	2	Vol. 2, Part II-Requirements, Section 6-Employers Requirements, IC-Technical Specification, TS 200	TS-100-Annex A-9	204.1.1.2-Geotechnical Investigation Works	The measurement for payment of Geotechnical Investigation Works, either proposed by the Contractor and approved by the Engineer or as directed by the Engineer for purposes of confirming geotechnical properties of soil and rock and to determine the founding elevation of the bored piles specified in the Drawings, s.....	a) According to "CP S04-07 Responses to Clarification Requests (Batch 2)", 2nd row, Final Respond, that "The Works design is Detailed Design and the Bills of Quantities have been measured to reflect the Detailed Design", so under what circumstances that the Engineer will directed the Contractor to carry out Geotechnical Investigation Works for bored piles as per the Final Respond that "The Works design is Detailed Design". Please clarify b) The implication is for the Item a) above require additional time and resources will be deployed to the site when the Contractor carried out any Works directed by the Employer representative, vice versa no additional time and resources if will be deployed the design is completed. Please advise	<i>a)The Bidder is advised to refer to the Technical Specifications, TS 200, Section 204; Sub-Section 204.2.7 - Geotechnical Investigation Works. Further, for the Employer's project requirements - the Bidder is advised to read the Technical Specifications in conjunction with the BOQ, Drawings, General Specifications, Scope of Work (Sow), General & Particular Conditions of Contract and other contract documents. b)The Geotechnical Investigation works is included in the BOQ, Bill Nos. 3 & 4, Item No.204(1), hence, it must be covered by the contractor's resources and no additional time shall be required..</i>
S-07	-	Appendix 7, General Specification	GS-100-Appendix 9 - Page 2	Aconex (EDMS)	-	Who will bear the cost for ACONEX and who will management it. Please advise	<i>The Contractor's cost of Aconex shall be reimbursed by the Employer through pay item GS 119 (1) to GS 119 (4) of Bill No.1 in the BOQ. The Engineer shall manage the overall implementation of the Aconex platform for the Project. The Contractor shall be responsible to implement Aconex as required by the Engineer for submission of deliverables, official communication/correspondences, etc.</i>
S-06	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-06 including NS-01's design schedule.	<i>The interface with CPNS-01 shall be refer to related Key Dates.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	1	Volume 1, Section 8	-	4.25 Building Information Management (BIM)	<p>Add new Sub-clause</p> <p>The Contractor shall allow for taking the BIM models developed by the Employer at level 300 and implementing them to level 500 as part of the construction process and delivering on completion as the backbone of the Operation and Maintenance Manuals and Documentation integrated with the E&M Systems Contractor NS-01. The parameters for this are contained in General Specification: Appendix 9: Project Management Information Systems</p>	<p>Based on the contractor's review on the ITB (i.e., ITB Bid data together with Appendix 9 as referred within reference text), BIM and CMMS implementation works that the contractor would perform are not clearly defined. The contractor would like kindly to inquire the level of expectations that the client would need for this task together with any supplemental information that can guide the contractor to provide the appropriate proposal.</p>	<p><i>Bidder is advised that the information can be found in the following documents issued through Addendum 3:</i></p> <p><i>Section 3 - Page EQC 13 - Item 4.5 BIM and CMMS Implementation.</i></p> <p><i>Section 4 - Page 44 - BIM and CMMS Implementation</i></p> <p><i>270235_REP_0002_D1_Inception Report</i> <i>270235_REP_0010_D9_Info Mgt Plan</i> <i>270235_REP_0008_D2 Project Mgt Plan</i> <i>NSCR-GCR-LWD-ZWD-TDC-BM-000001-Rev_1</i></p>
S-05	2	Volume 2, Specification TS 700	-	708.2.2 713.2.8 715.3.8	<p>BALLAST Three years warranty</p> <p>BMS The BMS supplier/contractor shall warrant the system's complete and successful operation against factory defects on the equipment and defects in installation workmanship for a period of two (2) years after the date of turn-over.</p> <p>SECURITY SYSTEM A warranty for a period of one (1) year from date of acceptance shall be provided against failure of components under normal use resulting from poor workmanship and/or factory defects.</p>	<p>For Electrical systems, warranty period of certain systems are specified (BALLAST/BMS/SECURITY). Please confirm that all other systems not mentioned in TS has only one (1) year warranty.</p>	<p><i>GS 128 specifies "The Warranty Period for contractual spare parts, special tools and testing equipment or any other item of equipment delivered shall be thirty six (36) months (1,095 calendar days) from the date of delivery and acceptance by the Employer of such spare parts, tools and test equipment or any other equipment."</i></p> <p><i>GS 128 to be revised to include the following statement.</i></p> <p><i>"However, for warranty requirement of specific equipment, please refer the Technical Specifications. If no warranty is specified, one year shall be the minimum warranty period from the date of substantial completion."</i></p>
S-06	1	Volume 1, Section 8	-	4.25 Building Information Management (BIM)	<p>Add new Sub-clause</p> <p>The Contractor shall allow for taking the BIM models developed by the Employer at level 300 and implementing them to level 500 as part of the construction process and delivering on completion as the backbone of the Operation and Maintenance Manuals and Documentation integrated with the E&M Systems Contractor NS-01. The parameters for this are contained in General Specification: Appendix 9: Project Management Information Systems</p>	<p>Based on the contractor's review on the ITB (i.e., ITB Bid data together with Appendix 9 as referred within reference text), BIM and CMMS implementation works that the contractor would perform are not clearly defined. The contractor would like kindly to inquire the level of expectations that the client would need for this task together with any supplemental information that can guide the contractor to provide the appropriate proposal.</p>	<p><i>Bidder is advised that the information can be found in the following documents:</i></p> <p><i>Section 3 - Page EQC 13 - Item 4.5 BIM and CMMS Implementation.</i></p> <p><i>Section 4 - Page 44 - BIM and CMMS Implementation</i></p> <p><i>270235_REP_0002_D1_Inception Report</i> <i>270235_REP_0010_D9_Info Mgt Plan</i> <i>270235_REP_0008_D2 Project Mgt Plan</i> <i>NSCR-GCR-LWD-ZWD-TDC-BM-000001-Rev_1 (Waiting for DOTr Approval)</i></p>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	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>GS 128 specifies "The Warranty Period for contractual spare parts, special tools and testing equipment or any other item of equipment delivered shall be thirty six (36) months (1,095 calendar days) from the date of delivery and acceptance by the Employer of such spare parts, tools and test equipment or any other equipment."</i></p> <p><i>GS 128 to be revised to include the following statement.</i></p> <p><i>"However, for warranty requirement of specific equipment, please refer the Technical Specifications. If no warranty is specified, one year shall be the minimum warranty period from the date of substantial completion."</i></p> <p><i>The PCC only refers to the Defects Notification Period not the warranty period.</i></p>
S-06	2	Volume 2 TS-500_Annex A	AnnexA-42	536.1.1 / Method of Measurement	<p>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</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 536.1.1.</p>	<p><i>GS 128 specifies "The Warranty Period for contractual spare parts, special tools and testing equipment or any other item of equipment delivered shall be thirty six (36) months (1,095 calendar days) from the date of delivery and acceptance by the Employer of such spare parts, tools and test equipment or any other equipment."</i></p> <p><i>GS 128 to be revised to include the following statement.</i></p> <p><i>"However, for warranty requirement of specific equipment, please refer the Technical Specifications. If no warranty is specified, one year shall be the minimum warranty period from the date of substantial completion."</i></p> <p><i>The PCC only refers to the Defects Notification Period not the warranty period.</i></p>

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S-06	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>GS 128 specifies "The Warranty Period for contractual spare parts, special tools and testing equipment or any other item of equipment delivered shall be thirty six (36) months (1,095 calendar days) from the date of delivery and acceptance by the Employer of such spare parts, tools and test equipment or any other equipment."</i> <i>GS 128 to be revised to include the following statement.</i> <i>"However, for warranty requirement of specific equipment, please refer the Technical Specifications. If no warranty is specified, one year shall be the minimum warranty period from the date of substantial completion."</i> <i>The PCC only refers to the Defects Notication Period not the warranty period.</i>
S-06	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>GS 128 specifies "The Warranty Period for contractual spare parts, special tools and testing equipment or any other item of equipment delivered shall be thirty six (36) months (1,095 calendar days) from the date of delivery and acceptance by the Employer of such spare parts, tools and test equipment or any other equipment."</i> <i>GS 128 to be revised to include the following statement.</i> <i>"However, for warranty requirement of specific equipment, please refer the Technical Specifications. If no warranty is specified, one year shall be the minimum warranty period from the date of substantial completion."</i> <i>The PCC only refers to the Defects Notication Period not the warranty period.</i>

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S-07	2	Vol. 02, Section 6 Appendix 9	GS 100 - Appendix 9 - Page 3	Gen. Specs (GS 100)	<p>Connected BIM</p> <ul style="list-style-type: none"> • View models online using online IFC viewer • Manage coordination (RFI's etc.) with markups • Archive models • Manage 2D deliverables from Revit into Aconex using Xrev • Allows all project participants to view and collaborate on models • No software required. • Real-time model collaboration, Resolve project design issues more efficiently 	<p>1) Please confirm BIM software will not be handed over to Client upon project / contact completion.</p> <p>2) Please confirm that no BIM software and station to be provided to Employer.</p> <p>3) Please confirm if there is an need to provide a Common Data Environment (CDE) for CP S-07.</p>	<p>1. Confirmed no BIM Software will be provided to the Client upon project/contract completion.</p> <p>2. Confirmed no BIM software and workstation to be provided to the Employer.</p> <p>3. The Employer and Engineer will set up the PMIS Aconex (CDE) platform for the project, including that of the Contractor. However, the Contractor shall be responsible to bear the cost for Contractor portion of the PMIS Aconex (CDE) which will be reimbursed by the Employer as per GS.</p> <p>The Engineer shall implement overall operation and system maintenance for PMIS Aconex (CDE). The Contractor shall be responsible to operate and implement its portion of PMIS Aconex (CDE).</p>
S-04	2	Vol.2 Sec.6 IC. TS 200-Bridge and Viaducts	TS200-51	204.2.6 Test Piles	Test piles are shown...to determine the length of piles...	<p>Please clarify Static Load Test is instrumented pile load test for that strain gauges are to be installed along pile length.</p> <p>If so, please provide the requirement regarding instrumentation type, locatiuons(depths) and numbers, etc..</p>	<p>Refer to 204.2.6.2 Static Load Test. Shall follow the procedures specified in ASTM D1143/D1143M.</p>
S-04	2	Vol.2 Sec.6 IC. TS 200-Bridge and Viaducts	TS200-51	204.2.6 Test Piles	-	<p>Please provide the following requirement for pile load test.</p> <ol style="list-style-type: none"> 1) test location(targeting pier no.) 2) each test pile diameter and length 3) maximum test load and loading sequence for each test pile 4) type and frequency of geotechnical investigation and lab test for each test pile 	<p>Refer to 204.2.6.2 Static Load Test.</p> <p>"Location of initial load test piles shall be proposed by the Contractor and approved by the Engineer."</p> <p>"Load tests for axial load capacity, including uplift capacity if required, on trial piles of the same diameter as of the design pile, "</p> <p>"The static load test shall follow the procedures specified in ASTM D1143/D1143M."</p> <p>"Testing equipment and measuring systems shall conform to ASTM D1143/D1143M."</p>
S-04	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 separte price for the same work. please clarify it.</p>	<p>1)The Bidder should fill-in the bid prices for Sub-Item Nos. GS131(1) and GS131(2).</p> <p>2)Bidder is advised to refer to the updated GS 131.10 in Addendum 3</p>
S-04	1A	Vol.1A Section 4A BoQ	GS 133	-	Enabling Works	<p>In the referred section in Addendum 1, BOQ Item GS133 'Enabling Works' shall be included in other BOQ Items.</p> <p>However, GS133(1)~GS133(3) which are subitems of GS133 has unit and seems to be filled with proposed price.</p> <p>Please clarify whether the Bidder should fill the price in items GS133(1)~GS133(3) or not.</p>	<p>The BOQ shall be revised to delete the words "included in other BOQ Items". Updated BOQ to be issued as Addendum 3. The Bidder is advised to fill-in the bid prices for Sub-Item Nos. GS133(1) through GS133(3).</p>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	2	Vol.2 Sec.6 IB GS & Vol.1A Section 4A BoQ	GS 133.3 & GS 133(1)~133(3)	-	Measurement and Payment	In the referred GS 133.3 section, it states - Tree cutting and grubbing of roots and tree pruning (price per tree) - Protection of trees to remain in place (price per tree) However, BOQ item GS133(1)~GS133(3) have Lump Sum unit. Please clarify measurement and payment method of this item.	<i>The BOQ shall be revised with the work items related to Trees (i.e.: root-balling, cutting, etc.) to be transferred to the Bill No. 8-Provisional Sum and the Sub-Items GS133(1) through GS133(3) shall be deleted from the BOQ, Bill No. 1. Updated BOQ shall be issued as Addendum 3. Provisional Sum Cost shall be Lump Sum.</i>
S-05	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-51	204.2.6 Test Piles	Test piles are shown...to determine the length of piles...	Please clarify Static Load Test is instrumented pile load test. If so, please provide the requirement, such as instrumentation type and numbers, etc..	<i>Refer to 204.2.6.2 Static Load Test. Shall follow the procedures specified in ASTM D1143/D1143M.</i>
S-05	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-51	204.2.6 Test Piles	-	Please provide the following requirement for pile load test. 1) each test pile diameter and length 2) type and frequency of geotechnical investigation and lab test for each test pile	<i>Refer to 204.2.6.2 Static Load Test. "Location of initial load test piles shall be proposed by the Contractor and approved by the Engineer." "Load tests for axial load capacity, including uplift capacity if required, on trial piles of the same diameter as of the design pile, " "The static load test shall follow the procedures specified in ASTM D1143/D1143M." "Testing equipment and measuring systems shall conform to ASTM D1143/D1143M."</i>
S-05	2	Vol.2 Sec.6 IB GS 113.2 & Vol.1A Section 4A BoQ	GS 131.10 & GS 131	-	Measurement and Payment	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". However, BOQ Item GS131 is required to fill a separate price for the same work. please clarify it.	<i>1)The Bidder should fill-in the bid prices for Sub-Item Nos. GS131(1) and GS131(2). 2)Bidder is advised to refer to the updated GS 131.10 in Addendum 3</i>
S-05	1A	Vol.1A Section 4A BoQ	GS 133	-	Enabling Works	In the referred section in Addendum 1, BOQ Item GS133 'Enabling Works' shall be included in other BOQ Items. However, GS133(1)~GS133(3) which are subitems of GS133 has unit and seems to be filled with proposed price. Please clarify whether the Bidder should fill the price in items GS133(1)~GS133(3) or not.	<i>The BOQ shall be revised to delete the words "included in other BOQ Items". Updated BOQ to be issued as Addendum 2. The Bidder is advised to fill-in the bid prices for Sub-Item Nos. GS133(1) through GS133(3).</i>
S-05	2	Vol.2 Sec.6 IB GS & Vol.1A Section 4A BoQ	GS 133.3 & GS 133(1)~133(3)	-	Measurement and Payment	In the referred GS 133.3 section, it states - Tree cutting and grubbing of roots and tree pruning (price per tree) - Protection of trees to remain in place (price per tree) However, BOQ item GS133(1)~GS133(3) have Lump Sum unit. Please clarify measurement and payment method of this item.	<i>The BOQ shall be revised with the work items related to Trees (i.e.: root-balling, cutting, etc.) to be transferred to the Bill No. 8-Provisional Sum and the Sub-Items GS133(1) through GS133(3) shall be deleted from the BOQ, Bill No. 1. Updated BOQ shall be issued as Addendum 3. Provisional Sum Cost shall be Lump Sum.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-51	204.2.6 Test Piles	Test piles are shown...to determine the length of piles...	Please clarify Static Load Test is instrumented pile load test for that strain gauges are to be installed along pile length. If so, please provide the requirement regarding instrumentation type, locatiuons(depths) and numbers, etc..	<i>Refer to 204.2.6.2 Static Load Test. Shall follow the procedures specified in ASTM D1143/D1143M.</i>
S-06	2	Vol.2 Sec.6 IC. TS 200- Bridge and Viaducts	TS200-51	204.2.6 Test Piles	-	Please provide the following requirement for pile load test. 1) test location(targeting pier no.) 2) each test pile diameter and length 3) maximum test load and loading sequence for each test pile 4) type and frequency of geotechnical investigation and lab test for each test pile	<i>Refer to 204.2.6.2 Static Load Test. "Location of initial load test piles shall be proposed by the Contractor and approved by the Engineer." "Load tests for axial load capacity, including uplift capacity if required, on trial piles of the same diameter as of the design pile, " "The static load test shall follow the procedures specified in ASTM D1143/D1143M." "Testing equipment and measuring systems shall conform to ASTM D1143/D1143M."</i>
S-06	2	Vol.2 Sec.6 IB GS 113.2 & Vol.1A Section 4A BoQ	GS 131.10 & GS 131	-	Measurement and Payment	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". However, BOQ Item GS131 is required to fill a separte price for the same work. please clarify it.	<i>1)The Bidder should fill-in the bid prices for Sub-Item Nos. GS131(1) and GS131(2). 2)Bidder is advised to refer to the updated GS 131.10 in Addendum 3</i>
S-06	1A	Vol.1A Section 4A BoQ	GS 133	-	Enabling Works	In the referred section in Addendum 1, BOQ Item GS133 'Enabling Works' shall be included in other BOQ Items. However, GS133(1)~GS133(3) which are subitems of GS133 has unit and seems to be filled with proposed price. Please clarify whether the Bidder should fill the price in items GS133(1)~GS133(3) or not.	<i>1)The Bidder should fill-in the bid prices for Sub-Item Nos. GS131(1) and GS131(2). 2)Bidder is advised to refer to the updated GS 131.10 in Addendum 3</i>
S-06	2	Vol.2 Sec.6 IB GS & Vol.1A Section 4A BoQ	GS 133.3 & GS 133(1)~133(3)	-	Measurement and Payment	In the referred GS 133.3 section, it states - Tree cutting and grubbing of roots and tree pruning (price per tree) - Protection of trees to remain in place (price per tree) However, BOQ item GS133(1)~GS133(3) have Lump Sum unit. Please clarify measurement and payment method of this item.	<i>The BOQ shall be revised with the work items related to Trees (i.e.: root-balling, cutting, etc.) to be transferred to the Bill No. 8-Provisional Sum and the Sub-Items GS133(1) through GS133(3) shall be deleted from the BOQ, Bill No. 1. Updated BOQ shall be issued as Addendum 3.</i>
S-05	2	Vol.2 NSRP-DWG-SRO- EL-5011	-	LOW VOLTAGE POWER SINGLE LINE DIAGRAM 11	-	We can't find detail specification for this generator set in Book2. Specification for electrical work. Please inform us detail spec for this generator set. Plus, generator capacity in St. Rosa station is only 33kVA. Please confirm it is correct, because other station's is over 250kva	<i>Please refer to revised TS718 in Addendum 3.</i>

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S-05	2	Vol.2 NSRP-DWG- VIA05-DR-0004	-	-	-	<p>4.DRAINAGE NOTES Item 4.3 CLEARING OF DEBRIS AND ~ OF AS SPECIFIED BY THE ENGINEER AS PART OF THE CONSTRUCTION PROCESS. - Please provide the expected Quantity or Volume for this scope of works?</p> <p>Item 4.6 ALL EXISTING CANALS ~ REALIGNED IF NECESSARY SUBJECT TO APPROVAL. - Please clarify this scope of work is under contractor’s responsibility.</p> <p>Item 4.8 ALL UNDERGROUND ~ GEOTEXTILE STOCKING MUST BE PROVIDED TO ALL DOWNSTREAM PITS. - Please clarify this scope of work is under contractor’s responsibility.</p> <p>5.UTILITIES Item 5.4 ON SECTIONS ~ SUBJECT TO APPROVAL OF THE ENGINEER. - Please clarify this scope of work is under contractor’s responsibility.</p>	<p><i>1. Clearing and disposal of debris of drainage inlet and outlet during the construction process is the scope of the contractor. These items were deleted in the BoQ and are now part of Bill 8 Provisional sum.</i></p> <p><i>2. Existing drainage canals/drainage systems will still need to be operational during and after construction. This is subject to approval of the Engineer on site.</i></p> <p><i>3. This pertains to trench drains (perforated drains) that are draining towards catchbasins or manholes. The geotextile will be used for the whole length of the perforated pipe as shown on the detail. The notes will be revised in REV 21.3 to reflect this. The detail of the perforated pipe will also be added in REV 21.3</i></p> <p><i>4. Yes, this will be under the contractor's responsibility as it involves existing canals affected by the project. Existing drainage canals and drainage systems will still need to be operational during and after construction. Subject to the approval of the engineer onsite.</i></p>
S-05	2	Vol.2 NSRP-DWG- VIA05-DR-4010	-	-	-	<p>As per drawing, NSRP-DWG-VIA05-DR-4010, “Relocated Canal” and “Proposed Canal” are mentioned in the drawing. Please clarify this Canal construction is under contractor’s responsibility. If it is, please clarify which part is under contractor’s responsibility. If not, please provide the expected completion dates of canal relocation. Will it be handed over before commencement of construction ?</p>	<p><i>The relocated canal shown on the drawings shall be constructed by the bidder. The proposed canal shown on the drawings shall be constructed by others. Bidder is advised that information about the demarcation between the PNR relocation work and the project construction it has been included Addendum 4.</i></p>
S-05	2	Vol.2 01_specification Vol.2 02_Book (civil)	TS 401.2.6	Test pile	<p>Test piles which are used to arrive at the load carrying capacity shall not be incorporated in the structures.</p> <p>Test pile selected by the engineer shall be tested to 1 x L2 pile earthquake load.</p>	<p>Regarding to pile load test, clarification is requested for the following questions. Question 1: Static load test (BOQ No.2, Item 204(4)) is conducted on permanent pile? Question 2: Tenderer understands that Static load test (BOQ No.2, Item 204(4)) utilizes “1xL2 pile earthquake load”, which is defined in the drawing VIA00-ST-0320. Please confirm whether Tenderer’s understanding is correct or not. Question 3: TS 401.2.6 states” test pile which are used to arrive at the load carrying capacity shall not be incorporated in the structure”. Please clarify whether “1XL2 pile earthquake load” is considered as NOT reaching load carrying capacity for pile. Question 4: According to BOQ, Tenderer cannot find item for preliminary pile test, which is conduction on NOT permanent pile. Please clarify whether Tenderer shall consider preliminary pile test or not.</p>	<p><i>Q1) Yes. The Static Load Test shall be conducted for the Working Pile (or Permanent Pile).</i></p> <p><i>Q2) The Bidder is advised to refer to the appropriate and particular Bored Pile Drawing corresponding to S-05 instead of referring only to the Typical Drawing. The Load is indicated on the Drawing.</i></p> <p><i>Q3) Test piles which are used to arrive at the load carrying capacity shall not be incorporated in the structure, including 1 x L2 Pile earthquake load.</i></p> <p><i>Q4) Initial Load test (or Preliminary Load Test), shall be referred to the Static Load Test. Please see Technical Specifications, TS 200, Section 204, Sub-Section 204.2; Clause 204.2.6.1.</i></p>

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S-06	1A	Vol.1A Sec.4A BOQ	NSRP-DWG- CAB(BAN, CAL)- ST-4302	BOQ No.4-1 BOQ No.4-2 BOQ No.4-3	-	Please provide criteria to calculate Blinding Concrete. According to ST-4302, Detail of Blinding concrete for Pile Cap can be found.(100mm thk) However, detail of Blinding concrete for any other element cannot be found. Please clarify which element (ex: Girder / Beam / Slab) should be casted above blinding concrete and provide the thickness of blinding concrete for each element.	<i>Lean concrete is applied to Pile Caps, Tie Beams and Slab on Grade, 100mm thk as indicated on the submitted drawings. General requirements of blinding concrete on structures in contact with soil are included on item 6.21 of sheet NSRP-DWG-STA-ST-4002 rev. 21.3 issued 19 March 2021.</i>
S-07	2	Vol.2 Book 2 01_S07 ARCH Vol. 1 1.3 CP S-07 Vol.1A Sec.4A BOQ 20201001	NSRP-DWG-DEP- AR-3401 Rev.21	BOQ & Drawings	-	The item No. 405(16) which is blinding concrete is shown in provided BOQ however, the drawing NSRP-DWG-DEP-AR-3401 Rev.21 and others don't show any blinding concrete. Kindly clarify the location and level of blinding concrete.	<i>General requirements of blinding concrete on structures in contact with soil are included on item 6.21 of sheet NSRP-DWG-STA-ST-4002 rev. 21.3 issued 19 March 2021.</i>
S-04	1	Volume 1, Part IA section 4 Bill of Quantities Volume 2,Book 2 (Architectural)- Package CP S-04: Alabang Station Architectural Drawings Volume 2, Book 2 (Architectural)- Package CP S-04: Muntinlupa Station Architectural Drawings	-	BOQ No.4-1 Alabang Station BOQ No.4-2 Muntinlupa Station NSRP-DWG-ALA-AR- 3510 NSRP-DWG-ALA-AR- 3515-3523 NSRP-DWG-ALA-AR- 3539 NSRP-DWG-MUN-AR- 3540	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 Alabang Station Platform Maintenance Access Stairs Plan, Section and Detail Alabang Station Detailed Plan 1-9 Alabang Station PWD Ramp Entrance Muntinlupa Station PWD Ramp Entrance	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 specification for these tactiles. 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-05	1	Volume 1 Part IA section 4A Bill of Quantities Volume 2 - Book 2 (Architectural)- Package CP S-05: Santa Rosa Station Architectural Drawings	-	BOQ No.4-4 Santa Rosa Station Item no.522(4) NSRP-DWG-SRO-AR- 3201 Rev.21 (September 2020) NSRP-DWG-SRO-AR- 3202 Rev.21 (September 2020) NSRP-DWG-SRO-AR- 3569 Rev.21 (September 2020) NSRP-DWG-SRO-AR- 3571 Rev.21 (September 2020) NSRP-DWG-SRO-AR- 3504 Rev.21 (September 2020)	2400 x 1200 x 3mm thk 5mm Dia Perforated Aluminum Panel with Applied Polyester Powder Coating Finish on Steel Stud Elevation Sheet 1 Elevation Sheet 2 Schedule of Wall Finishes Sheet 1 Schedule of Wall Types Sheet 1 Typical details Wall Sheet 2	1.) DWG No. NSRP-DWG-SRO-AR-3569 Rev.21 Date September 2020, Specify 9 (WF9)--2400x1200x3 mm. THK Perforated Aluminium panel with applied polyester powder coating finish on steel stud while 2.)DWG No. NSRP-DWG-SRO-AR-3571 Rev.21 Date September 2020 WT1 Wall type-1 specify as exterior wall which is same location as DWG No.NSRP-DWG-SRO-AR-3569 Rev.21 Date September 2020, Wall type 1 which shown on typical details wall as ACP-Aluminium Composite Panel system on Aluminium at Exterior wall (NSRP-DWG-STA-AR-3504). There is an discrepancy between DWG No. NSRP-DWG-SRO-AR-3569 Rev.21 Date September 2020 and DWG No. NSRP-DWG-SRO-AR-3571 Rev.21 Date September 2020 Please confirm the specification of exterior wall.	<i>Sheet DWG No. NSRP-DWG-SRO-AR-3569 Rev.21 dated September 2020 shall prevail.</i>
S-06	2	Volume 2 & Section 6 (II Drawings)	CAB-ST-4501	-	Typical Roof Framing details drawing	Valley Cables and 20mm diameter Cross Bracings. → What are the maximum design forces on respective tension members, valley cables & Cross Bracings.	<i>For the Cross Bracings, refer to the latest structural calculations. The Supplier of the Tension Membrane shall provide shop drawing details for the Valley Cables with the approval of Engineer on-site. Tension membrane and Valley cable are from third party contractor.</i>

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S-04	3	Volume 3- Section 8	PCC7	-	-	The Protective Concrete Top will be casted after the installation of the Track Slab. Since the Track Slab is not part of our scope, however, the key date KD-08 needed to complete the whole works should include the said protective concrete. Please provide track slab construction schedule so that we could include the protective concrete into our program.	<i>The protective concrete is a scope of Bidder and casted in advance of the trackwork. The Protective Concrete Top shall be casted before the installation of the Track Slab. KD-08 shall include this activity.</i>
S-04	2	Volume 2	NSRP-DWG-VIA00-ST-1500	Deck Widening summary	-	Please specific the location adopt the decking widening details.	<i>GCR: Widening the slab depends on the placement of the E&M facilities. The facilities are design built, and these detailed placements will be approved by Engineers in the future to determine the quantity.</i>
S-04	2	Volume 2 VIA04 drawings and Volume 2 section 6 scope of works	SOW-18	Railway Bridge to be demolished by others	-	There is responsible matrix discrepancy for the demolition works of the following bridges: 30. Buli Bridge 31 Cupang Bridge 32 Alabang Bridge 34 Bayaan Creek Bridge 35 Bucal Bridge 37 Prinza Bridge 38 Tunasa Culvert Bridge 39 Pacwood Bridge. The scope of works are saying that we have to remove intact, stored and repositioned on site later, but the drawings are saying the demolition work s are done by others. Please clarify	<i>Bidder is advised scope of work was amended in Addendum 3.</i>
S-04	2	Volume 2 VIA04 drawings and Volume 2 section 6 scope of works	SOW-18 and drawing NSRP-DWG-VIA04-ST-0041	Railway Bridge to be demolished by others	Railway Bridge/ St. Andrew St. to be demolished by others & Railway Bridge/ Waling to be demolished by others	The above mentioned demolished works are not shown in scope of works in Section 6 of Volume 2. Hence, this is not our works. Please confirm our interpretation is correct and timing for the demolition.	<i>Bidder is advised scope of work was amended in Addendum 3.</i>
S-04	2	Volume 2	NSRP-DWG-VIA04-ST-0029	Relocation of Alabang Station/ with restroom structure	Relocation of Alabang Station/ with restroom structure	Please confirm who will relocate the Alabang Station/ with restroom structure and When	<i>It is confirmed that the Protection/Relocation/Demolition of the Alabang (Old PNR) Station shall be covered by the contractor's Scope of Work. Please refer to the Updated BOQ, Bill No. 8, PS-4-Historical PNR Structure (Protection/Relocation/Demolition). Updated BOQ shall be issued as Addendum 3.</i>
S-04	2	Volume 2	NSRP-DWG-VIA00-ST-0321	Pile Details	Pile Details	It was stated in the drawing that all cogs turned outward from the pile. can we splice along the pile cap area?	<i>It is possible to join along the pile cap area, but please obtain the approval of the engineer.</i>
S-04	2	Volume 2	NSRP-DWG-VIA00-ST-0321	Pile Details	Pile Details	It was stated in the drawing that cogs are turned outward from the pile. can we turn the cogs inward towards the pile?	<i>It is possible to turn the cogs inward towards the pile, but with the approval of the engineer.</i>
S-04	2	Volume 2	NSRP-DWG-VIA00-ST-0422/0447/0473	Bearing Jacks	Bearing Jacks	No indicative location of jacks for bearing pad replacement for pier types P3, 5D & 5E.	<i>It is just for reference. This space use for in future replacement of bearing.</i>
S-04	-	Technical specification Volume 2	TS200-43	203.4.3.2 Time Removal	-	As stated on Specification 203.4.3.2 time removal for wall column stated that it can be remove in 1 day and 70% concrete strength and side of beam and other vertical surfaces can be remove in 2 days and 70% concrete strength. It is difficult to achieve the 70% concrete strength in 1-2 days. Please clarify.	<i>Please note 1-2 days are the minimum duration.</i>

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S-04	-	Section 6 of Volume 2 - TS200 Technical Specification	208.12.9	Finishing	2) the ends of vents shall be removed at least 25mm below the concrete surface after the grout has set. 3) The void shall be filled with epoxy grout. All miscellaneous material used for sealing grout cspcs shall be removed before carrying out further work to protect end anchorages.	Please provide specification of epoxy grout ?	<i>Non-shrink, Non-metallic Epoxy Grout: Pre-mixed, factory-packaged, non-staining, non-corrosive, non-gaseous grout. Please refer to TS 208.12.9.</i>
S-04	-	Section 6 of Volume 2 - TS200 Technical Specification	208.12.10	Protection of End Anchorages	4) ...shall be coated with an elastomeric coating system have a thickness of 0.76mm to 1.140mm..... Laitance, grease, curing compounds, surface treatments, coating, and oils shall be removed by girt blasting or water blasting using a minimum 70mPa.	Please provide specification of Elastomeric coating system ?	<i>Please refer to TS 208.12.10.</i>
S-04	-	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>As per AASHTO Section 5.2 Definitions, Structural Mass Concrete—Any large volume of concrete where special materials or procedures are required to cope with the generation of heat of hydration and attendant volume change to minimize cracking.</i>
S-05	2	Volume 2	-	Geotechnical Investigation Work	Geotechnical Investigation Work	Please provide number of sets and length per set to be done	<i>1 no. of bore hole for each pier.</i>
S-05	2	Volume 2	-	-	TS-600 Sec 611.1.4 and 635.1.2	Please confirm what will govern on Warranty Period Standard 1 year Defects and Liability Period (DLP) or Tech Specifications per Sec 611.1.4 Air Cooled Split Type Air Conditioning Unit Warranty Period is 5 years while on Sec 635.1.2 Fan Coil Unit Warranty Period is 10 years.	<i>Warranty is not related to DLP. TS governs the warranty period.</i>
S-05	3	Volume 3- Section 8	PCC7	-	-	The Protective Concrete Top will be casted after the installation of the Track Slab. Since the Track Slab is not part of our scope, however, the key date KD-08 need to completion of whole works which should include the said protective concrete, please provide track slab construction schedule, so that we could include the protective concrete into our program.	<i>The protective concrete shall be casted before track slab installation by the Contractor.</i>
S-05	2	Section 6 of Volume 2 - TS200 Technical Specification	208.12.10	Protection of End Anchorages	4) ...shall be coated with an elastomeric coating system have a thickness of 0.76mm to 1.140mm..... Laitance, grease, curing compounds, surface treatments, coating, and oils shall be removed by girt blasting or water blasting using a minimum 70mPa.	Please provide specification of Elastomeric coating system ?	<i>Please refer to TS 208.12.10.</i>
S-05	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>As per AASHTO Section 5.2 Definitions, Structural Mass Concrete—Any large volume of concrete where special materials or procedures are required to cope with the generation of heat of hydration and attendant volume change to minimize cracking.</i>
S-06	2	Volume 2	-	Geotechnical Investigation Work	Geotechnical Investigation Work	Please provide number of sets and length per set to be done	<i>1 no. of bore hole for each pier.</i>
S-06	3	Volume 3- Section 8	PCC7	-	-	The Protective Concrete Top will be casted after the installation of the Track Slab. Since the Track Slab is not part of our scope, however, the key date KD-08 need to completion of whole works which should include the said protective concrete, please provide track slab construction schedule, so that we could include the protective concrete into our program.	<i>The protective concrete is a scope of Bidder and casted in advance of the trackwork.</i>

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S-06	2	Section 6 of Volume 2 - TS200 Technical Specification	208.12.10	Protection of End Anchorages	4) ...shall be coated with an elastomeric coating system have a thickness of 0.76mm to 1.140mm..... Laitance, grease, curing compounds, surface treatments, coating, and oils shall be removed by girt blasting or water blasting using a minimum 70mPa.	Please provide specification of Elastomeric coating system ?	<i>The specification of Elastomeric coating system was already provided. Refer to TS208.12.10.</i>
S-04	2	-	-	Drawings / Structural	Structural Drawings	Please provide of the following: a. Location for Overhead Catenary Support System at Drawing Sheet NCRP-DWG-ALA-ST-4523. b. Detail / Specification of Valley Cable, at Drawing Sheet NCRP-DWG-ALA-ST-4512 Refer to "ANNEX A" c. Location of lightning assessor base support shown on structural plan, at Drawing Sheet NCRP-DWG-ALA-ST-4512. d. Location of signage and cable rack support shown on structural plan, at Drawing Sheet NCRP-DWG-ALA-ST-4521. e. Slab Reinforcement Schedule for CS30 at Drawing sheet NSRP-DWG-ALA-ST-4151. f. Typical Slab Detail	<i>a. location of Overhead Catenary Contact System refer to drawing NSRP-DWG-ALA-ST-4523 that already shows its location.</i> <i>b. The Supplier of the Tension Membrane shall provide shop drawing details for the Valley Cables with the approval of Engineer on-site.</i> <i>c. Refer to architectural drawing locations of lightning arrestor.</i> <i>d. Refer to architectural drawing locations of signages and racks.</i> <i>e. CS30 details provided on sheet NSRP-DWG-ALA-ST-4151 Rev 21.3 issued on March 2021.</i> <i>f. Typical slab details provided on sheet NSRP-DWG-ALA-ST-4431 rev 21.3 issued on March 2021.</i>
S-04	2	-	-	Drawings / Structural	Structural Drawings	Please provide Blow up Details of the following: a. concrete plinth or equipment pad Refer to "ANNEX J" NSRP-DWG-ALA-PL-5851, NSRP-DWG-MUN-PL-5851 NSRP-DWG-ALA-FS-6621, NSRP-DWG-MUN-FS-6621, NSRP-DWG-ALA-SN-6021 b. RC Railing at Emergency Stairs, Refer to "ANNEX K" NSRP-DWG-VIA00-ST-1651 - NSRP-DWG-VIA00-ST-1665 Please confirm of the following: a. Railing is Reinforce Concrete at Stairs at Station NSRP-DWG-ALA-AR-3421 to NSRP-DWG-ALA-AR-3424	<i>"a. Blow -up details of concrete plinth were already provided. Refer to: NSRP-DWG-ALA-PL-5851; NSRP-DWG-MUN-PL-5851; NSRP-DWG-ALA-FS-6621; NSRP-DWG-MUN-FS-6621; and NSRP-DWG-ALA-SN-6021.</i> <i>b. For RC Railing at Emergency Stairs, refer to: NSRP-DWG-VIA00-ST-1653 Detail ""A"".</i> <i>a. Confirmed. Railing is reinforced concrete stairs at Station.</i>
S-04	2	-	-	Drawings / Architectural	Architectural Drawings	Please provide Blow up Details & Specification of the following: a. 100mm thk Non-Combustible Insulation b. 2-12mm thk Drywall with aluminum ribbed-type cladding Refer to "ANNEX L" NSRP-DWG-STA-AR3511 Please provide location of the following: a. Steel Grating. Refer to "ANNEX M" NSRP-DWG-VIA00-DR-1461 b. Cast Iron Manhole NSRP-DWG-VIA00-DR-1501	<i>1) Please refer to STA-AR-3503 for the wall section with insulation.</i> <i>2) Please refer to STA-AR-3522 for the Ribbed-type wall drawing detail.</i>

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S-04	2	Volume 2 / 01_Specifications/01_GS/2.2 SCRPGeneral Specifications S-04 to S-07_20211019.pdf	GS 47 59/133	1)Section 6 - IB General Specification, GS 118 ENVIROMENTAL MANAGEMENT, Clause 118.9	Environmental Guarantee Fund GS 118 (Addendum) states that “The Contractor shall arrange with the Proponent and the Environmental Management Bureau (EMB) for the setting up of the Environmental Guarantee Fund as per DENR Administrative Order (DAO) No. 2003-30 (Revising DAO No. 94-11, Supplementing DAO No. 96-37, Series of 1996.” In addition, Bill of Quantities includes the following items. The contribution for all packages are indicated as S-04 contribution.	Please clarify what such arrangement includes in terms of the Contractor’s responsibility in EGF budgeting and how this arrangement should be reflected in the quantity of the bills (BOQ).	<i>Please refer to the Revised BOQ, Bill No. 1 which shall be issued as Addendum 3.</i>
S-04	-	General Bid Bulletin No. 10 CP S05 Responses to Clarification Requests	Page 5/13	Final Response	As specified in both ITB 44 and PCC 4.2, Employer's intention is clear that the Contractor needs to provide all necessary evidence to prove that the Performance Security is enforceable through the corresponding bank in the Employer's country.	The Bidder kindly requests from the Employer to further clarify the meaning of ‘enforceability through the correspondent bank in the Employer’s country’ regarding the performance and advance payment guarantees. The Bidder’s understanding is that, in case the Employer wants to enforce the related guarantee, the Employer may request from the correspondent bank in the Employer’s country to send a swift message to the issuing bank, which will be in one of the Eligible countries, to discharge the guarantee and transfer the related funds to the Employer’s account, so the payment liability will be on the issuing bank not on the correspondent bank in the Employer’s country, please confirm.	<i>The Bidder shall demonstrate the securities can be enforced through the corresponding bank in the Employer's country. The detailed banking arrangement is up to Bidder's agreement with the associated banks.</i>
S-04	2	Volume 2 & Section 6 - IB General Specification, GS 118 ENVIROMENTAL MANAGEMENT	GS 59	118.7.6.	Archaeological Impact Assessment The GS Clause 118.7.9 states that: The Chance Find Procedure describes the watching brief required of the contractor as he carries out piling, tunnelling, excavations or earth moving in areas designated in the Archaeological Impact Assessment or by the Proponent as likely to have buried cultural artefacts and where the proposed mitigation measure is Investigation during Construction. At the sites listed below (Table 118.7.6-1 Location of Archaeology Monitoring), the Construction Contractor will maintain an on-site Project Archeologist who will monitor earth moving activities.	CONTRACTOR’s understanding is that the Archaeological Impact Assessment, or the Proponent have already been implemented by the CLIENT and no such assessment is expected from the CONTRACTOR. CONTRACTOR’s responsibility will include only implementation of watching brief activities and chance find procedures as detailed in the GS and ESIR. Please confirm.	<i>Confirmed.</i>
S-04	1	Volume 1 & Section 2	BDS 5	ITB 21.1	Bidders shall not have the option of submitting their Bids electronically.	Due to COVID-19 and travel restriction, we kindly request that electronic submission should be allowed.	<i>Bidder is advised that ITB 21.1 and 25.1 are retained and electronic submission of Bids will not be entertained. If the Bidder's Authorized Representative cannot attend due to ongoing travel restrictions, the BAC is allowing substitute representatives for the purpose of Bid Submission and Bid Opening.</i>

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S-04	2	-	-	Drawings / Specifications	Specifications	<p>Please provide of the following:</p> <p>a. Density requirements for 100mm thk Non-combustible Insulation.</p> <p>b. Specific type of Perforated Metal Ceiling is CF-05 600 x 600 Light weight Perforated Aluminum Metal Ceiling</p> <p>c. Blow-up details and location of this item at the Bill of Quantities 506-506(6)c W=100mm, Stainless Steel Tile Border</p> <p>d. Blow-up details and location of this item at the Bill of Quantities 530-530(7) T=12mm, H=600mm Fire Rated Glass Smoke Separation Down-stand Walls</p> <p>d. Typical details wall for the item at BOQ (Bill of Quantities) 501-501(5) Macro ICC-5 System Insulated Composite Wall with 20mm thk Coatings on both sides (4hrs Fire Rated; t=150mm)</p> <p>Please confirm of the following:</p> <p>a. If 100mm thk Non-combustible insulation for wall is Bare or with Foil, Board type or Blanket Type</p> <p>b. Will you require anti-vibration hanger?if Yes, Please provide ceiling details</p> <p>c. Conflict between Schedule of Finishes (NSRP-DWG-ALA-AR-3569) and Schedule of Finishes (NSRP-DWG-ALA-AR-3033)</p>	<i>Bill item GS118.(14) is lump sum which shall be referred to the site data 10.14.</i>
S-04	1	Volume 1 Section 4 BOQ	PDF Page 8	SUMMARY OF TOTAL BID PRICE	<p>In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two up to accordingly (maximum three.).</p> <p>In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two up to three.</p>	<p>According to the Addendum for CP S-04 and CP S-07, they are modified differently. Please confirm the differences are on purpose or not.</p> <p>If so, is there any specific reason to be differentiated?</p>	<i>Please refer to the Updated BOQ - Preamble which shall be issued as Addendum 3.</i>
S-04	1	Volume 1 Section 4 BOQ	PDF Page 4	PREAMBLE	<p>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 Clauses 12 and 13 of the GCC.</p> <p>The Bills of Quantities have been prepared by the Employer to provide a common and uniform basis for bidding. The quantities given in the Bills of Quantities accurately reflect therein are accurate and represent the work shown on the drawings, should 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>According to the Addendum for CP S-04 and CP S-07, they are modified differently. Please confirm the differences are on purpose or not.</p> <p>If so, is there any specific reason to be differentiated?</p>	<i>Please refer to the Updated BOQ - Preamble which shall be issued as Addendum 3.</i>
S-04	1	Volume 1 / 1.3b CP S-01 Vol.1A Sec.4A BOQ 20200930	Bill no.1	Time related Costs	All Time-related Costs	<p>Since there is no detail for the time related costs, and all the time related costs are not as long as the project duration. Please clarify and point out (the start & finish dates) the details of payments for the time related costs.</p>	<i>The Time Related Costs shall be paid in number of Months. Please refer to the Updated BOQ, Bill No. which is reflective of "48 Months" period for the Time Related Costs. Updated BOQ shall be issued as Addendum 3.</i>

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S-04	1	Volume 1 / 1.3b CP S-01 Vol.1A Sec.4A BOQ 20200930	Bill no.1	GS104(12)	Time-related Costs of Precast Yard	Since there is no detail for GS No.104, could you please share the start and finish time period of the item which is stated as "Time Related"? a.) Does the time period of payment start after erection the precast yard or after site delivery? b.) Does the time period of payment finish after demobilization of the precast yard or after handover of the project to the client?	<i>Concerning the period pertaining to Time related cost of Precast Yard - Please refer to the Updated BOQ, Bill No. 1, Item GS104(12), where Time related Costs of Precast Yard = 48 Months (equal to the construction duration). Updated BOQ shall be issued as Addendum 3.</i>
S-05	2	Vol.2 Sec.6 II. Drawings	NSRP-DWG-VIA05-DR-4010	AT-GRADE MAINLINE DRAINAGE DETAIL OF DRAINAGE CROSSING KM 34+130	Construction of drainage crossings underneath the freight track and PNR temporary Track are by others and is not included in this construction package.	Please advise whether it will be constructed both of relocated canal and proposed canal by others or only proposed canal by others.	<i>The relocated canal shown on the drawings shall be constructed by the bidder. The proposed canal shown on the drawings shall be constructed by others. Bidder is advised that information about the demarcation between the PNR relocation work and the project construction has been included Addendum 4.</i>
S-05	3	Volume 3 & Section 8 PCC	PCC-10	Part B - Specific Provision CP S04-07 Responses to Clarification Request (Batch 2)	Reference from CP S04-07 Responses to Clarification Request in General Bid Bulletin No. 7 (26th Jan 2021) 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 design as instructed. This will not require wholesale remeasurement.	1) If any change of quantities given in BOQ is identified during the execution of Project regardless of change of detailed design, will the Contractor be compensated in accordance with actual Work done and inspected quantities of Work after correction of wrong quantities in BOQ? 2) With reference to the previous response (the underlined part in "Reference Text"), it is understood the Employer's position is that the BOQ is reflecting all aspects of the Detailed Design and there will be no re-measurement of Work (no compensation for difference in Quantities between BOQ and Actual Work done in case of no change of detailed design). If so, the Bidder understands that it is fixed Lump Sum Contract rather than Re-measurement Contract since the Bidder shall take the risk arising from the quantities miscalculated in BOQ. In this case, Bidder shall verify the given quantities in BOQ thoroughly in order to identify accuracy of given quantities in BOQ measured by Employer based on Detailed Design which will require more time. 3) On the other hand, according to clause 3 of Section 4A : Bill of Quantities, it was required that the final quantities of the Work to be carried out by the Contractor will be determined in accordance with clause 12 and 13 of the GCC. And when we read the clause 12 and 13 of the GCC, it is mentioned that "method of measurement shall be made of the new actual quantity of each item of the Permanent Works and it shall be in accordance with the Bill of Quantities. We are wondering that in case any miscalculation of quantities given in BOQ happened without change of Detailed Design during construction stage, who shall be responsible for it? The Employer is kindly requested to clarify this matter in order to avoid any misunderstanding for the preparation of Bid.	<i>1)The Contractor shall be paid/compensated based from the actual quantity/volume of works accomplished in-place, in conformity with the Drawing, Technical Specifications & related contract documents and as measured and accepted by the Engineer. 2) In circumstances where the required quantity of work would be exceeding the quantity as per the tender BOQ, the contractor should inform the Engineer and the Employer in writing. No work in excess of the tender BOQ quantity should be performed without the knowledge and prior approval of the Engineer / Employer. 3)The quantities in the BOQ are deemed to be accurate based from the drawings, technical specifications and related contract documents. However, 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>
S-05	1	Vol. 2 Part II Section 6	GS 73	IB- General Specification Clause 120.10	-	GS 120.10 states the requirement for the approval from the Engineer. Clarification to the following question is requested. (1) For the approval from the Engineer, Working Drawing (Shop Drawing) requires the endorsement of professional engineer registered in Philippines? (2) For the approval from the Engineer, temporary work design requires the endorsement of professional engineer registered in Philippines? (3) All submittal for the approval requires "Third Party Check Certificate"? If not, more specific statement is required. In addition, Third Party Check Certificate also includes the endorsement of professional engineer registered in Philippines?	<i>(1) Yes (2) Yes (3) Yes</i>

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S-05	-	GBB No. 7 Annex "B"	Page 1	Batch 2	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.	After careful inspection of bid drawings, it is our understanding that many BOQ items, including concrete and rebar, have incorrect quantities. After approval of Working (shop) drawing at construction stage, Please confirm that the following conditions shall be re-measured: (1) Quantity changes triggered from the incorrect quantities provided at BOQ of tender stage (2) Quantity changes triggered from the missing items provided at BOQ of tender stage	<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-05	2	Vol. 2 Part II Section 6	-	Annex A 207.1.1	The quantities shall be computed from the bending schedules prepared by the Contractor as a part of his Shop Drawing submission and approval by the Engineer. No allowance shall be made for clips, tie wire, separators, wire chairs, and other material used in fastening the reinforcement in place.	Based on the statement of Annex A 207.1.1 in conjunction with the provided drawing at tender stage, the Tenderer understands that rebar quantities provided at BOQ shall be the quantity of shop drawing except fastening reinforcement. Please confirm whether the Tenderer's understanding is correct or not.	<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>
S-05	3	Vol 3. Section 8 Particular Conditions of Contract	PCC7	Attachment 1	KD 02 Provision of access for CP NS-01 (Trackwork and E&M Systems)	Please provide the detailed conditions to achieve the key date of viaduct completion. Shall Miscellaneous works for viaduct (Protective Concrete Topping, Cable Trough and Expansion joint and so on) be completed by KD02?	<i>The miscellaneous works for Viaduct shall be completed by KD.</i>
S-05	3	Vol 3. Section 8 Particular Conditions of Contract	PCC7	Attachment 1	KD 03-1 Receiving substation (S10, S11, S12, S13, S14)	Please clarify that the detailed conditions to achieve the key date of KD03-1 receiving substations. Does it mean the completion of structure works for Susbtations?	<i>The miscellaneous works for Viaduct shall be completed by KD.</i>
S-05	1A	Volume.1A Sec.4A BOQ	Bill no.2	PART B Maintenance road	103(1)b Embankment(Using Common Excavation Soil)	Please clarify if the quantities listed in the below are included in BOQ item "103(1)b". If no, please advise which BOQ item(s) are included in. 1) The embankment for regrading the existing ground within R.O.W 2) The embankment for station road networks at 4 stations	<i>1) Yes, confirmed. 2) Yes, confirmed.</i>
S-05	1A	Volume.1A Sec.4A BOQ	Bill no.2	PART B Maintenance road	102(2)a Common Excavation(Maintenance road)	Please clarify if the quantities listed in the below are included in BOQ item "102(2)a". If no, please advise which BOQ item(s) are included in. 1) The excavation for regrading the existing ground within R.O.W 2) The excavation for station road networks at 4 stations	<i>Pay item 102(2)a will be deleted in addendum 3 1.) The excavation for the existing ground within the ROW is included and shall be included in the rate of item 103(1)b Embankment(Using Common Excavation Soil). 2.) The excavation for station road networks at 4 stations shall be included in the rate of item 103(1)b Embankment(Using Common Excavation Soil).</i>

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S-05	1A	Volume.1A Sec.4A BOQ	Bill no.2	PART B Maintenance road	103(1)b Embankment(Using Common Excavation Soil) 102(2)a Common Excavation(Maintenance road)	Please confirm that below quantities will be remeasured based on topographic surveys by contractor in construction stage. 1) 103(1)b Embankment(Using Common Excavation Soil) 2) 102(2)a Common Excavation(Maintenance road)	<i>1.) Please refer to 103.2.1 > Where there is evidence of discrepancies on the actual elevations and that are shown on the Drawings, a preconstruction survey referred to the datum plane used in the approved Drawing shall be undertaken by the Contractor under the control of the Engineer to serve as basis for the computation of the actual volume of the embankment materials. 2.) Please refer to TS 102.2.1 > The Contractor shall undertake Topographic surveys as per General Specifications Clause 112, and submit to the Engineer, with discrepancies identified and clearly annotated for the Engineers approval. Where there is evidence of discrepancies of the actual elevations and that are shown on the Drawings, a pre-construction survey referring to the datum plane used in the approved Drawing shall be undertaken by the Contractor under direction of the Engineer, and shall serve as the basis for the computation of the actual volume of earthworks.</i>
S-06	1	Vol. 2 Part II Section 6	GS 73	IB- General Specification Clause 120.10	-	GS 120.10 states the requirement for the approval from the Engineer. Clarification to the following question is requested. (1) For the approval from the Engineer, Working Drawing (Shop Drawing) requires the endorsement of professional engineer registered in Philippines? (2) For the approval from the Engineer, temporary work design requires the endorsement of professional engineer registered in Philippines? (3) All submittal for the approval requires "Third Party Check Certificate"? If not, more specific statement is required. In addition, Third Party Check Certificate also includes the endorsement of professional engineer registered in Philippines?	<i>(1) Yes (2) Yes (3) Yes</i>
S-06	-	GBB No. 7 Annex "B"	-	Batch 2 Page 1	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.	After careful inspection of bid drawings, it is our understanding that many BOQ items, including concrete and rebar, have incorrect quantities. After approval of Working (shop) drawing at construction stage, Please confirm that the following conditions shall be re-measured: (1) Quantity changes triggered from the incorrect quantities provided at BOQ of tender stage (2) Quantity changes triggered from the missing items provided at BOQ of tender stage	<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. Further, any obvious errors detected in quantification in the BOQ shall, subject to the agreement of the Engineer, be re-measured and corrected. The Contractor is not expected to take the risk of errors in quantities. Bidder is advised that PCC Clause 1.1.6.12 related to ad-measurement definition will be removed in Addendum 3.</i>

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S-06	2	Vol. 2 Part II Section 6	-	Annex A 207.1.1	The quantities shall be computed from the bending schedules prepared by the Contractor as a part of his Shop Drawing submission and approval by the Engineer. No allowance shall be made for clips, tie wire, separators, wire chairs, and other material used in fastening the reinforcement in place.	Based on the statement of Annex A 207.1.1 in conjunction with the provided drawing at tender stage, the Tenderer understands that rebar quantities provided at BOQ shall be the quantity of shop drawing except fastening reinforcement. Please confirm whether the Tenderer's understanding is correct or not.	<i>The shop drawings should be in accordance with the detailed design drawings. However, the Contractor shall be responsible for ensuring a sufficient and consistent supply of reinforcement for all portions of the work.</i>
S-06	3	Vol 3. Section 8 Particular Conditions of Contract	PCC7	Attachment 1	KD 02 Provision of access for CP NS-01 (Trackwork and E&M Systems)	Please provide the detailed conditions to achieve the key date of viaduct completion. Shall Miscellaneous works for viaduct (Protective Concrete Topping, Cable Trough and Expansion joint and so on) be completed by KD02?	<i>The miscellaneous works for Viaduct shall be completed by KD.</i>
S-06	3	Vol 3. Section 8 Particular Conditions of Contract	PCC7	Attachment 1	KD 03-1 Receiving substation (S10, S11, S12, S13, S14)	Please clarify that the detailed conditions to achieve the key date of KD03-1 receiving substations. Does it mean the completion of structure works for Susbtations?	<i>Complete all works related to System Contractor for installation.</i>
S-06	1A	Volume.1A Sec.4A BOQ	Page25 Bill no.2	PART B Maintenance road	103(1)a Embankment(Selected Borrow Materials) 103(1)b Embankment(Using Common Excavation Soil)	Please clarify where "103(1)a Embankment(Selected Borrow Materials)" shall be constructed and where "103(1)b Embankment(Using Common Excavation Soil)" shall be constructed.	<i>103(1)b Embankment(Using Common Excavation Soil) - are all excavated suitable materials from "project site" that are placed and compacted for the purpose of raising/filling the grade of a roadway (or railway) above the level of the existing ground surface . 103(1)a Embankment (Selected Borrow Materials) - are volume of suitable excavated materials borrowed from "other site" in addition to excavated common soil for the purpose of raising/filling the grade of a roadway (or railway) above the level of the existing surrounding surface.</i>
S-06	1A	Volume.1A Sec.4A BOQ	Page25 Bill no.2	PART B Maintenance road	103(1)a Embankment(Selected Borrow Materials) 103(1)b Embankment(Using Common Excavation Soil)	Please clarify if the quantities listed in the below are included in BOQ items "103(1)a" and "103(1)b". If no, please advise which BOQ item(s) are included in. 1) The embankment for regrading the existing ground within R.O.W 2) The embankment for station road networks at 3 stations 3) The embankment for road realignment	<i>1) Yes, confirmed. 2) Yes, confirmed. 3) Yes, confirmed.</i>
S-06	1A	Volume.1A Sec.4A BOQ	Page25 Bill no.2	PART B Maintenance road	102(2)a Common Excavation(Maintenance road)	Please clarify if the quantities listed in the below are included in BOQ item "102(2)a". If no, please advise which BOQ item(s) are included in. 1) The excavation for regrading the existing ground within R.O.W 2) The excavation for station road networks at 3 stations 3) The excavation for road realignment	<i>Pay item 102(2)a will be deleted in addendum 3 1.) The excavation for the existing ground within the ROW is included and shall be included in the rate of item 103(1)b Embankment(Using Common Excavation Soil). 2.) The excavation for station road networks at 4 stations shall be included in the rate of item 103(1)b Embankment(Using Common Excavation Soil).</i>

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S-06	1A	Volume.1A Sec.4A BOQ	Page25 Bill no.2	PART B Maintenance road	103(1)a Embankment(Selected Borrow Materials) 103(1)b Embankment(Using Common Excavation Soil) 102(2)a Common Excavation(Maintenance road)	Please confirm that below quantities will be remeasured based on topographic surveys by contractor in construction stage. 1) 103(1)a Embankment(Selected Borrow Materials) 2) 103(1)b Embankment(Using Common Excavation Soil) 3) 102(2)a Common Excavation(Maintenance road)	<i>103(1)b Embankment(Using Common Excavation Soil) - are all excavated suitable materials from "project site" that are placed and compacted for the purpose of raising/filling the grade of a roadway (or railway) above the level of the existing ground surface .</i> <i>103(1)a Embankment (Selected Borrow Materials) - are volume of suitable excavated materials borrowed from "other site" in addition to excavated common soil for the purpose of raising/filling the grade of a roadway (or railway) above the level of the existing surrounding surface.</i>
S-07	-	GBB No. 7 Annex "B"	-	Batch 2 Page 1	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.	After careful inspection of bid drawings, it is our understanding that many BOQ items, including concrete and rebar, have incorrect quantities. Please confirm the incorrect quantities and missing items of BOQ are to be remeasured and revised in connection with issue of IFC drawing and subsequent Working(Shop) drawing approval. After approval of Working(Shop) drawing at construction stage, Please confirm that the following conditions shall be re-measured: (1) Quantity changes triggered from the incorrect quantities provided at BOQ of tender stage (2) Quantity changes triggered from the missing items provided at BOQ of tender stage	<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	2	Vol. 2 Part II Section 6	GS 73	IB- General Specification Clause 120.10	-	GS 120.10 states the requirement for the approval from the Engineer. Clarification to the following question is requested. (1) For the approval from the Engineer, Working Drawing (Shop Drawing) requires the endorsement of professional engineer registered in Philippines? (2) For the approval from the Engineer, temporary work design requires the endorsement of professional engineer registered in Philippines? (3) All submittal for the approval requires "Third Party Check Certificate"? If not, more specific statement is required. In addition, Third Party Check Certificate also includes the endorsement of professional engineer registered in Philippines?	<i>(1) Yes (2) Yes (3) Yes</i>
S-07	-	FINAL South Topographic Map 20191108	-	-	-	Please clarify that temporary work such as levee-embankment is allowable if the contractors need to prepare flood protection from San Cristobal River during construction, and that requires trespassing private or public poverty.	<i>The contractor shall conduct a site verification for the preparation of flood protection from San Cristobal River subject for approval by the Engineer on-site including permit approval.</i>
S-07	-	SITEDATA-NSRP (SC) Geo-Tech_Data VOLUME1-ANNEX B	Page 99 SDBH-005	-	-	Please provide the value of conductivity on SDBH-0005 Bore hole for each soil type.	<i>No information is available.</i>
S-06	2	Volume 2 & Section 6 (II Drawings)	Bill No 4-2	-	-	Kindly confirm if the clouded drawing located in Roof Plan drawings (DWG-BAN-AR-3103) is a CF10-Leightweight Metal Ceiling . If yes please provide location in the BOQ.	<i>There is no ceiling finish on the clouded portion indicated. That is for roofing materials.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	2	Volume 2 & Section 6 (II Drawings)	BOQ Item No. 201(4)d & 201(4)e	-	Backfill & Foundation Fill	We have understand that foundation fill will be the backfilled soil from the Foundation Level up to the Ground Level while backfill will be the required soil from Ground Level up to the Station Plaza Level. → Kindly clarify if our assumption is correct.	Backfill is for the void areas that are excavated from the NGL while Foundation Fill will be provided for the foundations that are above the NGL.
S-06	2	-	-	-	-	Please provide acceptable brand list.	No brand list is available.
S-06	2	Volume 2 Section 6	TS 600 - 74	605.3.2 (4) Rated Duct	Ductwork shall be constructed of not less than 14USG galvanized sheet steel.	Please clarify whether SED shall be made of 24USG galvanized sheet(2mm thickness) eventhough it shall be also surrounded by fire resistant material outside of it. As per specification.	Ductwork shall be constructed of not less than 14USG galvanized sheet steel. 24USG galvanized sheet (2mm thickness) are for sheet metal sheeting after duct is surrounded by a self-supporting expanded metal screen sprayed with a suitable thickness of cellulose fibers or vermiculite, or wrapped with a layer of one and three-quarter inches minimum thickness fire-resisting fire cement sheet.
S-06	2	Volume 2 Section 6	Drawings_MPFS	NSRP-DWG-BAN-PL-5828, NSRP-DWG-CAB-PL-5828, NSRP-DWG-CAL-PL-5828	-	Drain Water Tank is used for recycling water. Please indicate the water supply pipe on the drawings issued.	Drain Water tank will be used for emergency purposes only. There is no water supply pipe.
S-05	-	Drawing	-	NSRP-DWG-VIA05-ST-0013 NSRP-DWG-VIA06-ST-0019	-	Please specify the flood return period corresponding to the Flood Level appeared on the Drawing given in the addendum 1.	The flood depths period reflected in the drawings are for the 100-year return period based on NOAA Flood Maps or local interviews.
S-05	-	TS 200	TS200-52	TS 204.2.6.2 Static Load Tests	-	Please confirm if the Bidder is able to select bi-directional static load test method (i.e., Osterberg Cell (O-cell) testing method) for the performance of Static Load Tests.	Please follow TS200.
S-05	-	Volume 6-III Supplementary Information (within the original ITB) Preamble BOQ S05 Addendum 1. & Volume 1A Sec.4A BOQ (within the Bid Addendum No. 1 within General Bid Bulletin No. 11)	Page 24	Bill. No. 8 Schedule of Provisional Sums	Oil pipelines owned by two entities cross the PNR ROW at three known locations in CP S-03a, CP S-03b and CP S-05. A potential clash has been identified for CP S-05. The Contractors shall engage a Decommissioning Specialist Contractor to decommission the section of pipework, amend the pipework including additional materials and to test and recommission the pipelines. A provisional sum has been included within each for this work to cover both the Decommissioning Specialist Contractor and the attendance and civil works by the Civil Contractor (including environmental precautions). It is anticipated that the pipelines still contain oil. Item PS5 and PS 6 has been removed: PS5 Demolition and Clearing of DPWH Infrastructure, Renovation, Repairs and Rebuilding Works (CP-S-02 only) - 0 PHP, 0 USD	According to Bid Addendum No. 1 within General Bid Bulletin No. 11, it is clear that PS 6 has been removed from the scope of work for the Bidder. However, supplementary information given to the Bidder has not been updated (refer to the reference text) which is controversial to the Addendum #1. Please confirm that oil lines will be the out of the scope of work by the Bidder.	It is confirmed that the "Oil Lines" shall be covered by the contractor's Scope of Work. Please refer to the updated Bill No. 8-Provisional Sum, Item PS-13-Oil Lines. Updated BOQ shall be issued as Addendum 3.
S-06	-	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.	The bidder is not allowed to use PNR track during construction of the works.

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S-06	-	Drawing	-	NSRP-DWG-VIA06-ST-0054	-	According to Drawing No. NSRP-DWG-VIA06-ST-0039, temporary PNR track coming from the north finishes in the vicinity of P-1220 (refer to NSRP-DWG-VIA06-ST-0054). However, CP S04-07 Responses to Clarification Requests (Batch 1) within General Bid Bulletin No. 7 says, "Bidder is advised that the PNR track will be also diverted in this section. The end point of diversion will located south side from end of CPS06. The bidder should take into account of the actual condition of PNR relocated alignment by PNR." If this is the case that the temporary PNR tracks goes to the south end of the CP-S06, please kindly provide the Bidder with the relevant drawing showing the temporary PNR track.	<i>The PNR track has been indicated in layout drawings.</i>
S-06	1A	Drawing, Vol.1A Sec.4A BOQ	-	NSRP-DWG-BR215-ST-0243	-	According to NSRP-DWG-BR215-ST-0243 in the ITB associated with the steel arch bridge, the cable type, STAY CABLE TYPE - PARALLEL WIRE STRAND(PWS), will be used for the construction. However, ITEM NO. 231(1) of BoQ indicates that STAY CABLE is EPOXY COATED AND FILLED STRAND which is different from the referred drawing. Please clarify.	<i>Description of item 231(1) to be modified. The updated BOQ will be issued in Addendum 3</i>
S-06	-	Drawing	NSRP-DWG-VIA05-ST-0013 NSRP-DWG-VIA06-ST-0019	-	-	Please specify the flood return period corresponding to the Flood Level appeared on the Drawing given in the addendum 1.	<i>The flood depths period reflected in the drawings are for the 100-year return period based on NOAH Flood Maps or local interviews.</i>
S-06	-	Drawing	NSRP-DWG-VIA05-ST-0101 NSRP-DWG-VIA06-ST-01010	-	-	The appended Excel files provided with CAD files within within General Bid Bulletin No. 7, the tabulated pier schedule appear as shown in NSRP-DWG-VIA05-ST-0101 for CP-S05 (NSRP-DWG-VIA06-ST-01010 for CP-S06). However, there is a discrepancy in numbers within the pier schedule in between NSRP-DWG-VIA05-ST-0101 of ITB and the excel file within General Bid Bulletin No. 7. Please kindly clarify which one the Bidder must follow.	<i>Bidder is advised to follow the drawing</i>
S-06	-	TS 200	TS200-52	TS 204.2.6.2 Static Load Tests	-	Please confirm if the Bidder is able to select bi-directional static load test method (i.e., Osterberg Cell (O-cell) testing method) for the performance of Static Load Tests.	<i>Please follow TS200.</i>
S-07	1	Volume 1 Sec. 4	BF12	Bidding Forms	Bid Security (Bank Guarantee)	Can we request the following suggested revisions to the forms be considered? 1. Suggest to insert the phrase "by the original of this Bid Guarantee and amendments, if any, and" in the 3rd paragraph. 2. Suggest to insert the phrase "whichever is earlier of" in the 4th paragraph. 3. Suggest to indicate specific expiry date at the end of the 4th paragraph. 4. Suggest to indicate the office location and expiry date at the end of the 5th paragraph. 5. Delete the phrase "office on or before that date" and replace with "counter of [insert name and location of bank] on or before [insert expiry date]". Suggested revisions (highlighted in yellow) on Bid Security Form is attached. (File name: Bank_Bid Security)	<i>The Bidder shall use the form template included in the standard bid documents. The bidders shall provide necessary justifications for the proposed change for Employer's consideration.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	1	Volume 1 Sec. 9	CF13	CF6	Performance Security	<p>Can we request the following suggested revisions to the forms be considered?</p> <ol style="list-style-type: none"> 1. On Beneficiary : Suggest to indicate complete name and address of the Employer 2. Suggest to insert the phrase " the original of this Performance Guarantee and amendments, if any, and" ... "(citing specific provision/s in the Contract not complied with" in the 3rd paragraph. 3. Suggest to indicate the office location at the end of the 4th paragraph. Replace the phrase "this office" with "counter of [insert name and address of bank]". 4. Suggest to revise the 5th or last paragraph to read as " This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG), ICC Publication No. 758. As to matters not addressed by the URDG, this guarantee shall be governed by and construed in accordance with Philippine laws. <p>Suggested revisions (highlighted in yellow) on Performance Security Form is attached. (File name: Bank_CF 6_ Performance Security)</p>	<p><i>The Bidder shall use the form template included in the standard bid documents. The bidders shall provide necessary justifications for the proposed change for Employer's consideration.</i></p>
S-07	1	Volume 1 Sec. 9	CF15	CF7	Advance Payment Security	<p>Can we request the following suggested revisions to the forms be considered?</p> <ol style="list-style-type: none"> 1. On Beneficiary : Suggest to indicate complete name and address of the Employer 2. Suggest to insert the phrase " the original of this Advance Payment Guarantee and amendments, if any, and" ... in the 3rd paragraph. 3. Suggest to insert the following phrases on 5th paragraph " accompanied by the Contractor's written amendment request ""(Exact Expiry Date)" to indicate the office location at the end of the 5th paragraph. Delete the phrase "this office" with "the counter of [insert name and address of bank]". 4. Suggest to revise the 6th or last paragraph to read as "This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG), ICC Publication No. 758. As to matters not addressed by the URDG, this guarantee shall be governed by and construed in accordance with Philippine laws." <p>Suggested revisions (highlighted in yellow) on Advance Payment Security Form is attached. (File name: Bank_CF 7_ Advance Payment Security)</p>	<p><i>The Bidder shall use the form template included in the standard bid documents. The bidders shall provide necessary justifications for the proposed change for Employer's consideration.</i></p>
S-07	1	Volume 1 Sec. 9	CF17	CF8	Retention Money Security	<p>Can we request the following suggested revisions to the forms be considered?</p> <ol style="list-style-type: none"> 1. On Beneficiary : Suggest to indicate complete name and address of Employer 2. Suggest to delete: "Guarantor: [Insert name and address of place of issue, unless indicated in the letterhead]" 3. Suggest to delete the phrase "complying demand" and insert the phrase "first demand in writing accompanied by the Original of this Retention Money Guarantee and amendments, if any, and"... in the 3rd paragraph. 4. Suggest to indicate the office location at the end of the 5th paragraph. Delete the phrase "office indicated above" and replace with "counter of [insert name and address of bank]". 5. Suggest to revise the 6th or last paragraph to read as " This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG), ICC Publication No. 758. As to matters not addressed by the URDG, this guarantee shall be governed by and construed in accordance with Philippine laws. <p>Suggested revisions (highlighted in yellow) on Retention Money Security Form is attached. (File name: Bank_CF 8_ Retention Money Security)</p>	<p><i>The Bidder shall use the form template included in the standard bid documents. The bidders shall provide necessary justifications for the proposed change for Employer's consideration.</i></p>

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S-07	2	Volume 2, 02_Book 1 (Civil), 03_CP S-07_Structures Bid Bulletin No. 11, Volume 1, CP S-07 Vol.1A Sec.4A BOQ 20210118	NSRP-DWG-SDU-ST-0030 Bill No. 5 Drainage System and Irrigation Channels	Underpass Sump Pump Reinforcement Details Part D - Underpass and Pump System	Compressive strength of structural concrete for Sump Pump BOQ 206(6)k - Structural Concrete, 31 MPa 40 MPa for Pump System	Please clarify which part of the structural concrete of sump pump shall have a compressive strength of 31 Mpa and 40 Mpa.	Underpass Sump pump is 40MPa only. Pay item 206(6)k is also shown as "Structural Concrete, 40 MPa for Pump System".
S-07	2	Bid Bulletin No. 11, Volume 1, CP S-07 Vol.1A Sec.4A BOQ Volume 2, 01 Specifications, 02 TS, SCRP_TS 400_Annex A	TS-400 – Annex A 11	Bill of Quantities No. 4-2.16 Security House 1 TS 405 Concrete Structures	BOQ 405(16) Blinding Concrete (Lean Concrete), 15 Mpa including compacted sand layer (150mm) TS 405.1.1.1 The measurement for payment for Structural Cast in Situ Concrete shall be measured by volume in “cubic meter” for each class of concrete	1. Please confirm if the Blinding Concrete is measured including compacted sand layer. If not, please verify quantity in the BOQ. Example Structure:	Yes, it is included.
S-07	2	Volume 02, Book 1 (Civil) 04_CP S-07_DPSFE	148 of 214 145 of 214	NSRP-DWG-DEP-DR-2705 NSRP-DWG-DEP-DR-2701	Manhole TYPE F	a. Please verify conflict between plan and section of reinforcement details for Manhole Type F. Which will govern	Reinforcements from DR-2701 will govern, drawings will be updated.
S-07	2	Volume 02, 02 Book 2 (Architectural), 01_S07 ARCH	NSRP-DWG-OCC-AR-3602	OCC Interior Schedule of Finishes	Rm 109: Clinic Rm 115: Janitor Rm Rm 116: Security Rm. GF Rm 117: TER (Telecom Equipm't Rm.)GF Rm 119: SUR (Signaling UPS Rm.) GF 120: SER (Signaling Equip't Rm.) GF	Please confirm if the following Rooms have wall finish WF1: Plain Cement Plaster Painted Finish	Yes, confirmed. It has plain cement plaster painted finish.
S-07	2	Volume 02, 02 Book 2 (Architectural), 01_S07 ARCH	NSRP-DWG-OCC-AR-3124 NSRP-DWG-OCC-AR-3602	Wall Types	Tag 1: 2H - 150mm-200mm Thk. CHB Wall; Fire Rating: 2 Hrs. Finishes (WF3): 2x12mm thk Moisture & Fire-Resistant Gypsum Board on LGS; Painted Finish	Please verify conflict in plan, which shall govern for Room 130: Locker Room Wall.	2H - 150mm-200mm thk. CHB Wall; Fire Rating: 2 Hrs. will govern.
S-07	2	Volume 02, 02 Book 2 (Architectural), 01_S07 ARCH	NSRP-DWG-OCC-AR-3812	Second Floor Reflected Ceiling Plan	Room 209: Meeting Rm.	This legend is not included in AR-3812, Symbol/Type of Materials Table, please confirm if this specs is CF2: 600x600 Stainless Steel Mesh Acoustic Ceiling System	Yes, confirmed that is CF2: 600x600 Stainless Steel Mesh Acoustic Ceiling System.
S-07	2	Volume 02, 02 Book 2 (Architectural), 01_S07 ARCH	NSRP-DWG-OCC-AR-3566 NSRP-DWG-OCC-AR-3602	Reception Counter countertop Room 131	Elevation 3: 20mm Laminated Marine Plywood Countertop & 19mm thk. Laminated Frosted Glass Countertop Accessories A3: Granite Slab Countertop	Please verify conflict in plan, which shall govern for the countertop finishes of Room 131: Reception Counter	20mm Laminated Marine Plywood Countertop & 19mm thk. Laminated Frosted Glass Countertop will govern.
S-07	2	SCRP_Vol. 2 Part 2 Sec. IC	Page 82	TS 600 Mechanical, Sanitary and Plumbing 607.2.4	Pipeworks and Accessories Water line piping	Please identify the pipe specification to be used for Outdoor Piping from Main Water Meter to Water Tank supply.	Please refer to TS 600 section 607.2.4. "Polyethylene pipes shall be used for outside water supply and distribution system."
S-07	1	TS 600 – Mechanical, Sanitary and Plumbing TS-500 Architectural Works, SCRP_Vol. 1 Part 1A Sec. 4A - Bill of Quantities	page 82 page 70	Storm Drainage Layout BOQ No. 4-1.1 to 4-1.2, 4-2.1 to 4-2.3, 4-2.5 to 4-2.10, 4-2.16 to 4-2.18, 4-2.20, 6-1, Item no.D607(6)a	Storm Drain Pipe and Downspout BOQ - D607(6)a 150 mm Dia. Stainless Steel (SS) Storm Water Pipe	Please provide connection detail for the termination of Stainless Steel and PVC Pipe (Disimilar Material) for Storm Drain Sytem.	For weather-exposed rainwater pipes, use heavy duty stainless steel pipe gauge 24 type 316 or approved equal. For concealed rainwater pipes, use polyvinyl chloride (PVC) series 1000 or approved equal.
S-07	2	Volume 2, 01 Specifications, 02 TS	page 128 & 146	TS 600 – Mechanical, Sanitary and Plumbing	Factory Acceptance Test Pumps and WWTP	Please confirm if there is Factory Acceptance Test (FAT) for Pumps & WWTP.	Yes, it is required.

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S-07	2	Vol. 2, Sec. 2, Book 2 (Architectural), 03_S07 ELEC	5 3	CP S-07_EL_03_URS CP S-07_EL_04_WRS	Cabling	1. Please verify if the feeder cable from Panel DB01 to URS Panel are scope by others? 2. Please verify if the feeder cable from Panel DB02 to MDP Panel are scope by others?	1) Yes. Scope by others (E&M). 2. Yes. Scope by others (E&M).
S-07	2	Vol. 2, 02 Book 1 (Civil)	NSRP-DWG-LRS-SN-7041	Drainage, Plumbing, Sanitary, Fire Pro. & Electrical Drawings	Pump Capacity Pump	Please confirm that the horsepower for Sump Pump of Light Repair Shop is 20HP.	Confirmed. It is 20HP.
S-07	2	Vol. 2, Book 2 (Architectural), 04_S07 MPFS	NSRP_DWG_OCC_ME_6212	-	Precision Air Conditioning Unit	Please verify the electrical requirement for Precision Air Conditioning Units. Indoor and outdoor units have different requirement as per equipment schedule	Confirmed. These have different electrical requirements.
S-07	2	Vol. 2, Sec. 2, Book 2 (Architectural), 04_S07 MPFS	NSRP_DWG_LRS_ME_6141	-	Compression Air System	1. Please confirm our understanding that the supply and install of Air Compressor (Unit & Controller) is by others, as it was stated in the drawing that air compressor is by specialty contractor. 2. Please verify if the piping for the Air Compressor is also by others	1) Air Compressor is by others. 2) Piping is included in scope of work.
S-07	2	Vol. 02, Section 6	-	Gen. Specs (GS 123.1)	Video Recordings... The final video shall be not less than two (2) hours long produced by a specialist company and submitted to the employer and the engineer within sixty (60) days after the issuance of Taking-Over Certificates.	Please verify if the mentioned specialist company is a third party company	Confirmed. The video recording company (VRC) is a third party specialist entity. The mode of VRC engagement may be through the Contractor who may subsequently reimburse the cost of their engagement.
S-07	2	Vol. 2, Sec. 2, Book 2 (Architectural), 01_S07 ARCH	NSCR-DWG-TMO-AR-3501	-	Track Maintenance Office Toilet Details	1. Please verify Wall Types of Track Maintenance Office Toilet 1.a Exterior Wall (Blue Highlight) 1.b Interior Wall (Green Highlight) 2. If Interior Wall is 150mmthk CHB, please provide pay item.	1. Wall types: 1.a Exterior wall - 200 mm thk RC wall; and 1.b Interior wall - 150 mm thk CHB wall. 2. Interior wall is 150 mm thk.
S-07	2	Volume 2, 02 Book 2 (Architectural), 02_S07 STRUC, CP S-07_27_DSP_ST	NSRP-DWG-DSP-ST-4201	Sectioning Post Structural	Making-Up Concrete	Please verify if Making-Up Concrete is Concrete Topping. If Yes, Please provide pay item	1) Yes, Making-Up Concrete is the same as Concrete Topping (or if at Slab-on-Fill, it is Building/Mass Concrete as indicated in SCRP_TS 400, Section 405.3.1.1). 2) Cost of Making-Up Concrete shall be included in the cost of the slab to which it is applied. Pay item as follows: PIN 405(9)b - Structural Concrete, Class "AAA" (31 Mpa) for Elevated Slab/Concrete Stairs/Concrete Gutter. PIN 405(7)b --- Structural Concrete, Class "AAA" (31 Mpa) for Slab on Fill (At-Grade Slab)
S-04	2	Vol. 2 Sec 6 II drawing CP S-04_02_ALA_ST & CP S-04_02 MUN ST	22 & 20	-	-	This drawing is the pile of each Station. Coupler doesn't mention at the drawing. Please clarify the design of the pile for each stations is Rip-lapping instead of coupler.	Mechanical couplers are allowed for as long as the use of couplers are within the specifications.
S-04	2	Vol. 2 Sec 6 IC Technical Specification	TS200-52	204.2.6.2	The static load test shall follow the procedures specified in ASTM D1143/D1143M, and the loading procedure should follow the Quick Load Test Method, unless detailed longer-term load-settlement data are needed, in which case the standard loading procedure should be used.	There are several tests in order to conduct compressive test of Static Load Test(hereafter SLT). Normally, there is the test by using concrete blocks. It sometimes makes safety issues such as stacking collapse by ground settlement. So, bi-directional load test will be excellent alternative. Please, clarify that contractor can reflect bi-directional load test insted of weight blocks.	Please follow TS200.

CP S04-07 Responses to Clarification Requests (Batch 12)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	1A	Vol. 1A Sec 4A BOQ	-	-	108(1)b PCC Pavement (Unreinforced) t=200mm 108(1)c PCC Pavement (Unreinforced) t=230mm 564(1)a Driveway Paving	1. Please clarify that there is no reinforcement(wire mesh or any other reinforcement materials) for PCC Pavement(Unreinforced). 2. Please clarify that '564(1)a Driveway Paving' is equal to specification of PCC Pavement(Unreinforced).	1. Yes, there is no reinforcement on PCCP pavement. 2. Yes, same specification. Note: PCCP Joint details are provided. Please check on respective drawing series.
S-04	1A	Vol. 1A Sec 4A BOQ	-	-	206(8)d Structural Concrete, 28 MPa for (Main and Transverse) Drainage 207(1) Reinforcing Steel, Grade 40&60 for Drainage (Main & Transverse)	Please clarify that the quantity of Concrete & Reinforcing Steel for Manhole/ Catch Basin, Drainage Channel Outfall, Maintenance Access Cover are included in below BOQ; - 206(8)d Structural Concrete, 28 MPa for (Main and Transverse) Drainage - 207(1) Reinforcing Steel, Grade 40&60 for Drainage (Main & Transverse)	No, the concrete and reinforcing steel are included in cost of Manhole/Catch basin, Drainage, Drainage Channel Outfall, and Maintenance Access Cover.
S-04	2	Vol. 2 Sec 6 II drawing Drainage Detail	-	-	NSRP-DWG-VIA00-DR-1451, 1452, 1461, 1501 - Heavy duty Rectangular Flap Gate 1&2 - Steel Grating - Cast Iron Manhole Cover	Some items in Drainage detail, these are not in drawing for Mainline Drainage for this package(CP S-04) - Heavy duty Rectangular Flap Gate 1&2 - Steel Grating - Cast Iron Manhole Cover (in NSRP-DWG-VIA00-DR-1451, 1452, 1461, 1501) So please clarify that the above items are not applied for this package(CP S-04).	Confirmed. Those items are not applicable to package (CP S-04).
S-05	2	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	-	-	This drawing is the pile of each Station. Coupler doesn't mention at the drawing. Please clarify the design of the pile for each stations is Rip-lapping instead of coupler.	Mechanical couplers are allowed as long as the use of couplers are within the specifications.
S-05	2	Vol. 2 Sec 6 IC Technical Specification	TS200-52	204.2.6.2	The static load test shall follow the procedures specified in ASTM D1143/D1143M, and the loading procedure should follow the Quick Load Test Method, unless detailed longer-term load-settlement data are needed, in which case the standard loading procedure should be used.	There are several tests in order to conduct compressive test of Static Load Test(hereafter SLT). Normally, there is the test by using concrete blocks. It sometimes makes safety issues such as stacking collapse by ground settlement. So, bi-directional load test will be excellent alternative. Please, clarify that contractor can reflect bi-directional load test insted of weight blocks.	Please follow TS200.
S-05	1A	Vol. 1A Sec. 4A BOQ	Part	No.2 Part A Earthworks 202(2)	Removal of Existing Lined Canal / Unit l.m. / 180	Regarding updated drawing from addendum 1, the quantity of removal of existing lined canal was revised. But the quantity that is 180 meter is still too storange. According to the revised drawing, it is at least over 645m trackbound. In addition, total quantit will be increased if existing culverts for traverse direction are considered. Please, clarify excat quantity for removal of existing lined canal.	BOQ already revised. Please refer to BOQ issued in Addendum 2
S-05	1A	Vol. 1A Sec 4A BOQ	-	-	108(1)b PCC Pavement (Unreinforced) t=200mm 108(1)c PCC Pavement (Unreinforced) t=230mm 564(1)a Driveway Paving	1. Please clarify that there is no reinforcement(wire mesh or any other reinforcement materials) for PCC Pavement(Unreinforced). 2. Please clarify that '564(1)a Driveway Paving' is equal to specification of PCC Pavement(Unreinforced).	1. Yes, there is no reinforcement on PCCP pavement. 2. Yes, same specification. Note: PCCP Joint details are provided. Please check on respective drawing series.

CP S04-07 Responses to Clarification Requests (Batch 12)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	1A	Vol. 1A Sec 4A BOQ	-	-	206(8)d Structural Concrete, 28 MPa for (Main and Transverse) Drainage 207(1) Reinforcing Steel, Grade 40&60 for Drainage (Main & Transverse)	Please clarify that the quantity of Concrete & Reinforcing Steel for Manhole/ Catch Basin, Drainage Channel Outfall, Maintenance Access Cover are included in below BOQ; - 206(8)d Structural Concrete, 28 MPa for (Main and Transverse) Drainage - 207(1) Reinforcing Steel, Grade 40&60 for Drainage (Main & Transverse)	<i>No, the concrete and reinforcing steel are included in cost of Manhole/Catch basin, Drainage, Drainage Channel Outfall, and Maintenance Access Cover.</i>
S-05	2	Vol. 2 Sec 6 II drawing Drainage Detail	-	-	NSRP-DWG-VIA00-DR-1451, 1452, 1461, 1501 - Heavy duty Rectangular Flap Gate 1&2 - Steel Grating - Cast Iron Manhole Cover	Some items in Drainage detail, these are not in drawing for Mainline Drainage for this package(CP S-05) - Heavy duty Rectangular Flap Gate 1&2 - Steel Grating - Cast Iron Manhole Cover (in NSRP-DWG-VIA00-DR-1451, 1452, 1461, 1501) So please clarify that the above items are not applied for this package(CP S-05).	<i>Confirmed. Those items are not applicable to package (CP S-04).</i>
S-05	2	Vol. 2 Sec 6 II drawing Mainline Drainage	-	-	AT-GRADE MAINLINE DRAINAGE DETAIL OF DRAINAGE CROSSING	Quantity of Breaking concrete & Backfill for existing canal' - Please clarify that the quantity of Breaking concrete & Backfill for existing canal are included in BOQ. If it is included, please inform us which BOQ item is included that quantity.	<i>Quantity for Breaking Concrete & Backfill for Existing Canal were already included in the BOQ issued in Addendum 2. Please use the following pay item: 202(2) Removal of Existing Lined Canal; and 103(1)d Embankment for Existing Canal/(Selected Borrow material). Quantities are only assumed due to unknown data. Contractor to verify and check on site.</i>
S-06	2	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	-	-	This drawing is the pile of each Station. Coupler doesn't mention at the drawing. Please clarify the design of the pile for each stations is Rip-lapping instead of coupler.	<i>Mechanical couplers are allowed for as long as the use of couplers are within the specifications.</i>
S-06	2	Vol. 2 Sec 6 IC Technical Specification	TS200-52	204.2.6.2	The static load test shall follow the procedures specified in ASTM D1143/D1143M, and the loading procedure should follow the Quick Load Test Method, unless detailed longer-term load-settlement data are needed, in which case the standard loading procedure should be used.	There are several tests in order to conduct compressive test of Static Load Test(hereafter SLT). Normally, there is the test by using concrete blocks. It sometimes makes safety issues such as stacking collapse by ground settlement. So, bi-directional load test will be excellent alternative. Please, clarify that contractor can reflect bi-directional load test insted of weight blocks.	<i>Please follow TS200.</i>
S-06	1A	Vol. 1A Sec 4A BOQ	-	-	108(1)b PCC Pavement (Unreinforced) t=200mm 108(1)c PCC Pavement (Unreinforced) t=230mm 564(1)a Driveway Paving	1. Please clarify that there is no reinforcement(wire mesh or any other reinforcement materials) for PCC Pavement(Unreinforced). 2. Please clarify that '564(1)a Driveway Paving' is equal to specification of PCC Pavement(Unreinforced).	<i>1. Yes there is no reinforcement on PCCP pavement. 2. Yes, same specification. Note: PCCP Joint details are provided. Please check on respective drawing series.</i>
S-06	1A	Vol. 1A Sec 4A BOQ	-	-	206(8)d Structural Concrete, 28 MPa for (Main and Transverse) Drainage 207(1) Reinforcing Steel, Grade 40&60 for Drainage (Main & Transverse)	Please clarify that the quantity of Concrete & Reinforcing Steel for Manhole/ Catch Basin, Drainage Channel Outfall, Maintenance Access Cover are included in below BOQ; - 206(8)d Structural Concrete, 28 MPa for (Main and Transverse) Drainage - 207(1) Reinforcing Steel, Grade 40&60 for Drainage (Main & Transverse)	<i>No, the concrete and reinforcing steel are included in cost of Manhole/Catch basin, Drainage, Drainage Channel Outfall, and Maintenance Access Cover.</i>

CP S04-07 Responses to Clarification Requests (Batch 12)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	2	Vol. 2 Sec 6 II drawing Drainage Detail	-	-	NSRP-DWG-VIA00-DR-1451, 1452, 1461, 1501 - Heavy duty Rectangular Flap Gate 1&2 - Steel Grating - Cast Iron Manhole Cover	Some items in Drainage detail, these are not in drawing for Mainline Drainage for this package(CP S-06) - Heavy duty Rectangular Flap Gate 1&2 - Steel Grating - Cast Iron Manhole Cover (in NSRP-DWG-VIA00-DR-1451, 1452, 1461, 1501) So please clarify that the above items are not applied for this package(CP S-06).	Confirmed. Those items are not applicable to package (CP S-04).
S-06	2	Vol. 2 Sec 6 II drawing Mainline Drainage	-	-	AT-GRADE MAINLINE DRAINAGE DETAIL OF DRAINAGE CROSSING	Quantity of Breaking concrete & Backfill for existing canal' - Please clarify that the quantity of Breaking concrete & Backfill for existing canal are included in BOQ. If it is included, please inform us which BOQ item is included that quantity.	Quantity for Breaking Concrete & Backfill for Existing Canal were already included in the BOQ issued in Addendum 2. Please use the following pay item: 202(2) Removal of Existing Lined Canal; and 103(1)d Embankment for Existing Canal/(Selected Borrow material). Quantities are only assumed due to unknown data. Contractor to verify and check on site.
S-04	2	Vol.2 Sec.6 II. Drawings	NSRP-DWG-VIA04-DR-0004	AT-GRADE MAINLINE DRAINAGE GENERAL NOTES, ABBREVIATIONS AND LEGEND	General Note 6.1 Construction of drainage crossing underneath the Freight Track and PNR Temporary Track are by others and is not included in this construction package. Profiles and plans presented in the 4000 series of drawings are for information only.	Please confirm that both of Proposed Canal and Relocated Canal will be constructed by others according to General Note 6.1.	The relocated canal shown on the drawings shall be constructed by the bidder. The proposed canal shown on the drawings shall be constructed by others. Bidder is advised that information about the demarcation between the PNR relocation work and the project construction it has been included Addendum 4.
S-07	1	Sec.4A BoQ	N/A	GBB.no.10 (issued on 09 February 2021) CP S04-07 Responses to Clarification Requests (Batch 3) Page.10 of 12	-	Regarding the scope of CCTV works, you've answered as follows to the GBB.10 (Response to Clarification Requests Batch.3). - Your final response "Confirmed. CCTV System, Tel/Data System & PA System Works are "BY OTHERS". However, there are items and q'ty for CCTV related items D715(1) in the BOQ. Please confirm if the CCTV related works are excluded in this tender or BY OTHERS.	CCTV is only required in OCC Building (Bill No. 4-1) of S-07. For other Bills (i.e. Buildings), CCTV System, Tel/ Data System, & PA System are BY OTHERS. The query in Batch 03 was directed for Bill No. 4-2 of S-07, to which CCTV System, Tel/ Data System, & PA System is NOT part of the SOW of the Bidder/ Contractor.
S-07	1	Sec.4A BoQ	N/A	C.2 ARCHITECTURAL WORKS Metal Works	-	Please provide details of Stainless Steel Hand Rail H=300mm on Edge of Roof for Falling Prevention	Details were added. Refer to sheet no. NSRP-DWG-LRS-AR-3501 issued as rev21.3.
S-07	1	Sec.4A BoQ	N/A	C.2 ARCHITECTURAL WORKS Metal Works	-	Please provide blow-up details of 36x330 Steel Board at Garbage Shed for Light Repair Shop (LRS).	Details were added. Refer to sheet no. NSRP-DWG-LGS-AR-3601 issued as rev21.3.
S-07	1	Sec.4A BoQ	N/A	F.3 SANITARY WORKS TOILET FIXTURES AND ACCESSORIES	-	Please provide details of signage "WS3" and "WS4" at Light Repair Shop (LRS).	Details were added. Refer to sheet no. NSRP-DWG-LRS-3701 issued rev21.3.
S-07	1	Sec.4A BoQ	N/A	Bill no.4-1.1	-	Please provide detail for Control Panel for Sump Pump, EF & SF for OCC.	Only sump pumps have control panels to be provided by vendor/ supplier. For EF & SF, the control panel is not needed but these will be interfaced with BMS for monitoring and control. This shall be further validated by the Contractor's BMS specialist and for interface works with E&M contractor.

CP S04-07 Responses to Clarification Requests (Batch 12)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	1	Sec.4A BoQ	N/A	Bill no.4-1.2	-	Please provide detail for Control Panel for VF, MRV, EF & SF for LRS.	<i>Only disconnect switch (local) for these equipment is required. Control panel is not required. This shall be further validated by the Contractor's BMS specialist and for interface works with E&M contractor.</i>
S-07	1	Sec.4A BoQ	N/A	Bill no.4-1.1	-	Please provide detail or load schedule for Panel OCC-BPP3, OCC-BPP4 and OCC-RLP2.	<i>Panels OCC-BPP3, OCC-BPP4, and OCC-RLP2 are not part of the SOW of Bidder. These panels have already been deleted and not shown in the latest/ updated drawings NSRP-DWG-OCC-EL-5021 and 5022, rev. 21.2. Pay items for the stated 3 panels have also been deleted and not shown in the Addendum 2 BoQ.</i>
S-07	1	Sec.4A BoQ	N/A	Bill no.4-1.1, 4-1.2, no.4-2.2, no.4-2.3, no.4-2.4, no.4-2.5, no.4-2.6, no.4-2.7, no.4-2.8, no.4-2.9, no.4-2.10, no.4-2.13, no.4-2.15, no.4-2.16, no.4-2.17, no.4-2.18, no.4-2.19, no.4-2.20 & no.6-1	-	Please verify if underground conduit for feeders are part of the scope, if yes, please provide plans.	<i>Underground conduit for HV and MV feeders are the scope of work by others (E&M). Please refer to revised set of drawings under Rev. 21.3.</i>
S-07	1	Sec.4A BoQ	N/A	BOQ Bill No. 4-1.1	-	Please Specify the type of Precision Type Aircondition to be used for mechanical room located in OCC Building	<i>Precision Type A/C at OCC will be DX Type, free blow. Please refer to NSRP-DWG-OCC-ME-6212 and 6214 Rev. 21. BoQ description is correct based on the drawings and no revisions necessary. Specification for Precision Type A/C is to be provided under TS 638.</i>
S-07	1A	Sec.4A BoQ	BOQ	Bill No.2	-	Geogrid has to be installed wrapping around gravel bag according to drawing NSRP-DWG-DEP-RD-1929 to present construction details of GRS wall. In this regards please confirm "wrapped around" part(L=1.2m) which is marked RED in following picture will be measured for payment.	<i>Confirmed. The wraparound part is included in the payment. This is included in pay items 205(2) and 205(3).</i>
S-07	-	-	GBB 13 GBB 14	Page 21 of 69 Page 69 of 76	(GBB13) In the Rate of bored pile, no permanent casing is required. Casings were assumed as temporary (GBB14) The bidder should include the cost of steel casing or permanent casing in pay items 204(2)a and 204(2)c.	We refer to the Employer's response to clarification in GBB 13 saying "In the rate of bored pile, no permanent casing is required. Casings were assumed as temporary" However another response to similar query in GBB14 gives definitely contradictory answer to that as it describes "The bidder should include the cost of steel casing or permanent casing in pay items 204(2)a and 204(2)c" In the bidder's understanding, permanent casing is normally not necessary for bored piles constructed in 'dry condition' using bentonite or polymer fluid to stabilize wall of borehole so that permanent casing is limitedly applied for 'wet condition'. In this context, first response in GBB 13 is correct and inclusion of permanent casing into bored piling rate 204(2) as directed by second response in GBB 14 may unnecessarily increase the rate of bored piling in dry condition in S-07. Please confirm your response in GBB13 is correct.	<i>Please refer to the Employer's response to clarification in GBB 13 saying "In the rate of bored pile, no permanent casing is required. Casings were assumed as temporary".</i>
S-06	2	Volume 2 & Section 6 (II Drawings)	STA-AR-3501	-	-	CERAMIC TILE & GRANITE TILE As per drawing, the Ceramic tile & Granite tile are requires leveling mortar. However, the leveling mortar bed for granite tile does not indicated any required thickness. → Kindly advise. → Kindly confirm that all required bed mortar price shall be included in ceramic & granite tile items.	<i>The recess from the structural slab to the required finished floor level is 50 mm. The mortar thickness shall be dependent on the finishing materials to be installed.</i>

CP S04-07 Responses to Clarification Requests (Batch 12)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	2	Volume 2 Section 6	Drawings-EL	NSRP-DWG-CAB-EL-5900, NSRP-DWG-BAN-EL-5900 & NSRP-DWG-CAL-EL-5900	-	With respect to the drawings NSRP-DWG-CAB-EL-5900, NSRP-DWG-BAN-EL-5900 and NSRP-DWG-CAL-EL-5900, kindly confirm that the section highlighted in Reference Text is under the scope of work(by others).	<i>Bidder is advised to refer to sheets NSRP-DWG-CAB-EL-5900, NSRP-DWG-BAN-EL-5900 and NSRP-DWG-BAN-EL-5900 (Photovoltaic Power Generator System schematic). It is confirmed that the section highlighted in the reference text is a scope of work by others.</i>
S-05	1A	Vol. 1A Sec 4A BOQ	Bill no 6-2	Row 36	405(18) D=0.6m, Soil Cement Column Foundation	The technical specification of soil cement column is #405. However, the contents of #405 is for concrete structures. Please, provide technical specification for soil cement column to bidder.	<i>The updated TS 418 was issued March 2021 under Addendum 2.</i>
S-07	1A	Volume 1A Section 4A Bidding Forms – Bill of Quantities (BOQ)	-	Bill No. 1 General Requirements	GSS133(2) Trees within 3rd party property to be cut down, roots grubbed up for disposal off site	Kindly classify the sizes for the 237 trees to be cut down	<i>Tree Survey Report provided to bidders in Addendum 3</i>
S-07	2	Volume 2 Book 2 (Architectural Plans)	-	NSRP-DWG-OCC-AR-3833	-	Kindly provide the Wall Finish for Elevator Hall B at 5th Floor for the Wall Type 2 (2H-Drywall) since the wall finish for that part is not applicable for the given wall type Drywall.	<i>W1 type will be used. Please refer to NSRP-DWG-OCC-AR-3833 Rev. 21.3.</i>
S-07	2	Volume 2 Book 2 (Architectural Plans)	-	NSRP-DWG-OCC-AR-3601	-	Kindly clarify if cementitious Waterproofing will be applied to the whole Wall area for locations with a Wall Finish Tagging WF-3 (300x600 Glazed Ceramic w/ Accent Tile w/ Cementitious Waterproofing)	<i>NO, only at 1800mm HIGH. Please refer to OCC-AR-3601 Rev. 21.3.</i>
S-07	2	Volume 2 Book 2 (Architectural Plans) GeneralBB11-Addendum 1-S07-CP S-07 Vol.1A Sec.4A BOQ 20210118 – Bill of Quantities	-	NSRP-DWG-OCC-AR-3621 BILL OF QUANTITIES No. 4-1.1 Item No.C.2 Architectural Works	-	Conflict in the Width of W3. Please confirm/clarify the width if 2340mmW as per New BOQ or 2340mmW as per Schedule of Windows and Louvers. If revised BOQ will govern, kindly provide Schedule as per provided size.	<i>Bidder is advised that schedule will govern. Please refer to revised BOQ in Addendum 3</i>
S-07	2	Volume 2 Book 1 (Civil) 03_CP S-07_Structures	9	NSRP-DWG-DEP-RD-1902 Retaining Wall Setting Out Details	-	Please confirm if GRS Retaining Wall does not have Footing, if no, please provide details details and blow up plan for footing.	<i>Type 1 and 3 GRS retaining walls do not have footing but require ground improvement and pile slabs. Please refer to the NSRP-DWG-DEP-RD-1925 to RD-1929.</i> <i>GRS Retaining Wall Type 1 does not have footing and is only resting on 100mm thick leveling concrete, 200mm foundation gravel blanket and soil improvement. Details of GRS Retaining Wall Type 1 are shown in NSRP-DWG-DEP-RD-1925.</i> <i>GRS Retaining Wall Type 3 rests on 100mm thick leveling concrete, 200mm foundation gravel blanket, reinforced concrete slab and reinforced concrete piles. Details of GRS Retaining Wall Type 3 are shown in NSRP-DWG-DEP-RD-1927.</i>
S-07	2	Volume 2 Section 6 Employer's Requirements (ERQ) II. Drawings	-	Bill No. 4-1.1 (NSRP-DWG-OCC-AR-3565 NSRP-DWG-OCC-AR-3811)	-	Please verify the Ceiling Height for Security Room which will govern, As per RCP the ceiling height is CH 3000 but As per Security Room Blow-up it's CH 2700.	<i>2700 mm ceiling height is governed and it has already been reflected in the security room blow-up plans. Please refer to OCC-AR-3565 Rev 21.</i>

CP S04-07 Responses to Clarification Requests (Batch 12)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	1	Section 4A		Bill of Quantities No. 2 / EARTHWORKS		<p>The Bidder had reviewed the drawings and quantities mentioned in Bill of Quantities No. 2 Earthworks. The items listed below are those with more than 10% difference in quantities between BOQ and Bidder's review on drawings;</p> <ul style="list-style-type: none"> - Kindly be requested to check the quantities of items listed below and, - Please provide the calculation notes for those items. <p>1) Item No. 202(1)a : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>2) Item No. 202(2) : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>3) Item No. 103(1)b : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>4) Item No. 106(5) : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>5) Item No. 108(1)b : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>6) Item No. 206(10)n : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>7) Item No. 207(4)a : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p>	<p><i>Q1 to Q7) The Bidder is advised to indicate in particular their calculated quantities for each respective work item under question. Please refer to the Updated BOQ, Bill No. 2 - for the updated quantities of earthworks. Updated BOQ shall be issued as Addendum 3. For the calculation of the earthworks/ excavation works, Please refer to Volume 2, 02_Book 1 (Civil) for the drawing references related to the Viaduct, Drainage and Roads. Calculate the earthworks / excavation works based from the appropriate Book 1 (Civil) drawings in conjunction with the Technical Specifications, TS 100; and the whole of Section 102 - Excavation</i></p>
S-05	1	Section 4A		Bill of Quantities No. 3 / VIADUCT AND BRIDGES		<p>The Bidder had reviewed the drawings and quantities mentioned in Bill of Quantities No. 3 Viaduct and Bridges. The items listed below are those with more than 10% difference in quantities between BOQ and Bidder's review on drawings;</p> <ul style="list-style-type: none"> - Kindly be requested to check the quantities of items listed below and, - Please provide the calculation notes for those items. <p>1) Item No. 201(4)d : Please provide the Loose volume factor and Compacted volume factor for backfill material.</p> <p>2) Item No. 206(1)d : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>3) Item No. 208(1)c : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>4) Item No. 206(2)a : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>5) Item No. 208(1)b : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>6) Item No. 206(2)b : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>7) Item No. 208(1)a : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p>	<p><i>Q1) For Item 201(4)d - the BOQ Quantity pertains to the "Compacted Volume of Backfill". Q2, Q3, Q4, Q5, Q6, Q7) The Bidder is advised to indicate in particular their calculated quantities for each respective work item under question. Please refer to the Updated BOQ, Bill No. 3 - for the updated quantities of work items. Please refer to updated BoQ in Addendum 3.</i></p>

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S-05	1	Section 4A		Bill of Quantities No. 3 / VIADUCT AND BRIDGES		<p>The Bidder had reviewed the drawings and quantities mentioned in Bill of Quantities No. 3 Viaduct and Bridges. The items listed below are those with more than 10% difference in quantities between BOQ and Bidder's review on drawings;</p> <ul style="list-style-type: none"> - Kindly be requested to check the quantities of items listed below and, - Please provide the calculation notes for those items. <p>1) Item No. 206(8)e : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>2) Item No. 216(1)e : The quantity of Seismic Restrainer in the BOQ and those in drawing does not match. (2 nos are missing in the drawing)</p> <p>3) Item No. 112(1) : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>4) Item No. 122(1) : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>5) Item No. 122(2)a : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>6) Item No. 206(8)c : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>7) Item No. 217 : Please clarify whether the quantity in the BOQ is inclusive of Joint Steel Plate or not.</p>	<p><i>Q1 to Q7) The Bidder is advised to indicate in particular their calculated quantities for each respective work item under question. Please refer to the Updated BOQ, Bill No. 3 - for the updated quantities of work items. Please refer to updated BoQ in Addendum 3.</i></p>
S-05		Section 4A		Bill of Quantities No. 3 / VIADUCT AND BRIDGES		<p>The Bidder had reviewed the drawings and quantities mentioned in Bill of Quantities No. 3 Viaduct and Bridges. The items listed below are those with more than 10% difference in quantities between BOQ and Bidder's review on drawings;</p> <ul style="list-style-type: none"> - Kindly be requested to check the quantities of items listed below and, - Please provide the calculation notes for those items. <p>1) Item No. 209(5) : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>2) Item No. 213 : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p>	<p><i>Q1,Q2) The Bidder is advised to indicate in particular their calculated quantities for each respective work item under question. Please refer to the Updated BoQ, Bill No. 3 - for the updated quantities of work items. Please refer to updated BoQ in Addendum 3.</i></p>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	1	Section 4A		Bill of Quantities No. 5 / DRAINAGE SYSTEM & RIVER BANK PROTECTION		<p>The Bidder had reviewed the drawings and quantities mentioned in Bill of Quantities No. 5 Drainage System & River Bank Protection. The items listed below are those with more than 10% difference in quantities between BOQ and Bidder's review on drawings;</p> <ul style="list-style-type: none"> - Kindly be requested to check the quantities of items listed below and, - Please provide the calculation notes for those items. <p>1) Item No. 201(4)a : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>2) Item No. 201(4)d : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>3) Item No. 206(10)d : There is quantity difference even though the Bidder reviewed the drawings and calculated the quantity in accordance with Method of Measurement of Annex A (TS).</p> <p>4) Item No. 111(13)b : The quantity of Manhole/Catch Basin does not match with drawings NSRP-DWG-VIA05-DR-0112 ~ 0148.</p> <p>5) Item No. 111(14)a : The quantity of Manhole/Catch Basin does not match with drawings NSRP-DWG-VIA05-DR-0112 ~ 0148.</p> <p>6) Item No. 111(22)b1 : The quantity of Manhole/Catch Basin does not match with drawings NSRP-DWG-VIA05-DR-0112 ~ 0148.</p> <p>7) Item No. 111(22)b5 : The quantity of Manhole/Catch Basin does not match with drawings NSRP-DWG-VIA05-DR-0112 ~ 0148.</p>	<p><i>Q1 to Q7) The Bidder is advised to indicate in particular their calculated quantities for each respective work item under question. Please refer to the Updated BOQ, Bill No. 3 - for the updated quantities of work items. Please refer to updated BoQ in Addendum 3. For Manhole / Catch Basin, Please note of the structure's "Size-Range" as per the work item description such as "Manhole / Catch Basin (for 0.6m x 0.6m~1m RCBC).</i></p>
S-05	1	Section 4A		Bill of Quantities No. 5 / DRAINAGE SYSTEM & RIVER BANK PROTECTION		<p>The Bidder had reviewed the drawings and quantities mentioned in Bill of Quantities No. 5 Drainage System & River Bank Protection. The items listed below are those with more than 10% difference in quantities between BOQ and Bidder's review on drawings;</p> <ul style="list-style-type: none"> - Kindly be requested to check the quantities of items listed below and, - Please provide the calculation notes for those items. <p>1) Item No. 111(42)a1 : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>2) Item No. 111(42)d3 : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>3) Item No. 111(42)e3 : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>4) Item No. 111(42)g4 : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>5) Item No. 111(42)h6 : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>6) Item No. 111(43)a4 : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>7) Item No. 111(43)a5 : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>8) Item No. 111(43)a : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p>	<p><i>Q1 to Q8) The Bidder is advised to indicate in particular their calculated quantities for each respective work item under question. Please refer to the Updated BoQ, Bill No. 3 - for the updated quantities of work items. Please refer to updated BoQ in Addendum 3. For Drainage Channel Outfall, Please note of the structure's "Size-Range" as per the work item description such as "Drainage Channel Outfall (for 0.8m x 1.1m~1.5m RCBC).</i></p>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	1	Section 4A		Bill of Quantities No. 5 / DRAINAGE SYSTEM & RIVER BANK PROTECTION		<p>The Bidder had reviewed the drawings and quantities mentioned in Bill of Quantities No. 5 Drainage System & River Bank Protection. The items listed below are those with more than 10% difference in quantities between BOQ and Bidder's review on drawings;</p> <ul style="list-style-type: none"> - Kindly be requested to check the quantities of items listed below and, - Please provide the calculation notes for those items. <p>1) Item No. 111(43)b1 : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>2) Item No. 111(45)b2 : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>3) Item No. 111(45)c : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>4) Item No. 111(45)m : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>5) Item No. 111(45)f3 : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>6) Item No. 111(47)b : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>7) Item No. 111(47)c1 : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>8) Item No. 111(47)c3 : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p>	<p><i>Q1 to Q8) The Bidder is advised to indicate in particular their calculated quantities for each respective work item under question. Please refer to the Updated BoQ, Bill No. 3 - for the updated quantities of work items. Please refer to updated BoQ in Addendum 3. For Drainage Channel Outfall, Please note of the structure's "Size-Range" as per the work item description such as "Drainage Channel Outfall (for 0.8m x 1.1m~1.5m RCBC).</i></p>
S-05	1	Section 4A		Bill of Quantities No. 5 / DRAINAGE SYSTEM & RIVER BANK PROTECTION		<p>The Bidder had reviewed the drawings and quantities mentioned in Bill of Quantities No. 5 Drainage System & River Bank Protection. The items listed below are those with more than 10% difference in quantities between BOQ and Bidder's review on drawings;</p> <ul style="list-style-type: none"> - Kindly be requested to check the quantities of items listed below and, - Please provide the calculation notes for those items. <p>1) Item No. 111(47)e : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>2) Item No. 111(47)f : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>3) Item No. 111(47)g1 : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p> <p>4) Item No. 111(47)m2 : The quantity of Drainage Channel Outfall does not match with drawings NSRP-DWG-VIA05-DR-0005</p>	<p><i>Q1,Q2,Q3,Q4) The Bidder is advised to indicate in particular their calculated quantities for each respective work item under question. Please refer to the Updated BoQ, Bill No. 5 - for the updated quantities of work items. Please refer to updated BoQ in Addendum 3. For Drainage Channel Outfall, Please note of the structure's "Size-Range" as per the work item description such as "Drainage Channel Outfall (for 0.8m x 1.1m~1.5m RCBC)</i></p>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	1	Section 4A BOQ	BOQ BILL 3 PART B.6	SUPERSTRUCTURAL (CAST-IN-SITU, VIADUCT)	<p>Clarification Request :</p> <p>"With regard to the quantities mentioned in BOQ Bill 3 Part B.6, Item 206(2)b, 207(2)f, 208(1)a, the bidder is of the opinion that there are more than 50% deviation between them from BOQ and them from the Bidder's review on drawings."</p> <p>Response :</p> <p>"Please note that the Balanced Cantilever bridge has been considered as Cast in Situ."</p>	<p>With regard to reference text mentioned in Responses to Clarification Requests (Batch 5) of General Bid Bulletin No. 13, Page 7 of 69, Bidder's understanding is that Balanced Cantilever Box Girder quantities (Concrete, Reinforcing Steel, Prestressing Steel) are included in Item 206(2)b, 207(2)f, 208(1)a of Part B.6, BOQ Bill No. 3 Superstructural (Cast-In-situ, Viaduct). However, the Balanced Cantilever Box Girder quantities are specified in the BOQ, Item No. 206(2)a, 207(2)e, 208(1)b of Part B.5.</p> <p>In this regard, the previous clarification request in reference text mentioned in Responses to Clarification Requests (Batch 5) of General Bid Bulletin No. 13, Page 7 of 69 is not still clarified.</p> <p>It is kindly requested to check the quantities of Item 206(2)b, 207(2)f, 208(1)a of BOQ Bill 3 Part B.6 and to provided the bidders with the calculation notes for those items, if possible, in order to clarify the quantity deviation between BOQ and Bidder's calculations.</p>	<p><i>The Bidder is advised to indicate in particular their calculated quantities for each respective work item under question.</i></p> <p><i>Furthermore, the Bidder is also advised to have a thorough review of the work items in question - the BOQ Quantities and the applicable drawing references. For the Cast-in-situ Construction on Falsework involving item nos. 206(2)b, 207(2)f and 208(1)a - in addition to drawing references for cast-in-situ concrete structures (i.e.: CIS drawing series Volume 2, 02_Book 1(Civil), 08 thru 10 for CIS40 thru CIS80), Please also refer to the Balanced Cantilever drawing series 04 thru 07 for BC02 thru BC08 of same Volume 2, 02_Book 1(Civil).</i></p> <p><i>As a sample, see drawing NSRP-DWG-BC02-ST-3006 Rev21. Please note that the "End Segments" of the Balanced Cantilever Structure are also " Cast-in-Situ Construction on Falsework".</i></p> <p><i>Please refer to the Updated BOQ, Bill No. 3 - for the updated quantities of work items which shall be issued as Addendum 3.</i></p> <p><i>If the bidder is still in doubt of the BOQ Quantities - the verification/re-calculation of quantities based from the applicable drawings, technical specifications and related contract documents - shall be the responsibility of the contractor/bidder.</i></p>
S-05	3	Section 7 GCC		Clause 12.2 Method of Measurement	Admeasurement	<p>Regarding the Admeasurement and General Condition of Contract, please clarify the below example cases for the clear understanding.</p> <p>1) Case 1: A quantity for a certain rebar work in the BOQ was 80 ton. But, the correct quantity for the rebar work calculated based on the drawing was 100 ton. There was no drawing change during the construction stage. And, the contractor carried out 100 ton of the rebar work as the net actual quantity according to the drawing. In this case, what is the payment quantity among 80 ton and 100 ton?</p> <p>2) Case 2: A quantity for a certain rebar work in the BOQ was 80 ton. But, the correct quantity for the rebar work calculated based on the drawing was 50 ton. There was no drawing change during the construction stage. And, the contractor carried out 50 ton of the rebar work as the net actual quantity according to the drawing. In this case, what is the payment quantity among 80 ton and 50 ton?</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>

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S-05		Sec 6 II DRAWING MAINLINE DRAINAGE		12_CP S-05_Main Drainage (NSRP-DWG VIA05-DR-0007)	AT-GRADE MAINLINE DRAINAGE - DETAIL OF DRAINAGE CROSSING	<p>In page 32 of 69 of Bid Bulletin No 13:</p> <p>The Clarification Request stated that: " Please clarify who is work scope for 'PROPOSED CANAL' at the drainage crossing. The proposed canal is located under the PNR Temporary and Future Freight Track....."</p> <p>The Final Response: "The details of the realignment canal (beneath the PNR Temporary Track and PNR Future Freight Track) in the drawings are for information only, as described in the 6.1 of General Notes. According to the construction progress, the connection point shall be confirmed to the Engineer, in order to keep the flow direction to the downstream."</p> <p>In NSRP-DWG VIA05-DR-0007, the tabulated schedule of Canal Realignment at all chainage (except 34+520, 34+700, & 36+740), are crossing under the PNR Freight and Temporary Track. The plan, section and details, were shown on drawing series NSRP-DWG-VIA06-DR-4400. In General Note Item 6.1 " Profiles and Plans presented in the 4000 series of drawing are for information only".</p> <p>Please clarify if the drainage concrete culvert structures crossing under the PNR Track at the tabulated canal realignment are under the scope of these contract package CPS 05.</p>	<p><i>The relocated canal shown on the drawings shall be constructed by the bidder. The proposed canal shown on the drawings shall be constructed by others. Bidder is advised that information about the demarcation between the PNR relocation work and the project construction it has been included Addendum 4.</i></p>
S-06		Sec 6 II DRAWING MAINLINE DRAINAGE		13_CP S-06_Main Drainage (NSRP-DWG VIA06-DR-0007)	AT-GRADE MAINLINE DRAINAGE - DETAIL OF DRAINAGE CROSSING	<p>The canal realignment crossing under the existing PNR Track had inconsistency in Bid Bulletin No 13 and 15.</p> <p>In page 39 of 69 of Bid Bulletin No 13:</p> <p>The Clarification Request stated that: " Please clarify who is work scope for 'PROPOSED CANAL' at the drainage crossing. The proposed canal is located under the PNR Temporary and Future Freight Track....."</p> <p>The Final Response: "The details of the realignment canal (beneath the PNR Temporary Track and PNR Future Freight Track) in the drawings are for information only, as described in the 6.1 of General Notes. According to the construction progress, the connection point shall be confirmed to the Engineer, in order to keep the flow direction to the downstream."</p> <p>In page 41 of Bid Bulletin No 15:</p> <p>The Clarification Request stated that: "Main Drainage Alignment location 53+330 between P-1171 & P-1172, indicated that there is Canal to be converted to culvert under Maintenance Road, Please confirm the Length of the Canal and Under what pay item? See NSRP-DWG-VIA06-DR-0007(Schedule of Canal Realignment),VIA06-DR-0168 (Main Alignment) "</p> <p>The Final Response: "The length of canal for realignment at location 53+330 is stated in Schedule of Canal Realignment, As per drawing NSRP-DWG-VIA06 -DR-007 Rev 21. Earthworks and Structural works for Canal Realignment indicated in NSRP DWG-VIA06-DR-007 Rev 21 is included in BOQ Bill</p>	<p><i>The relocated canal shown on the drawings shall be constructed by the bidder. The proposed canal shown on the drawings shall be constructed by others. Bidder is advised that information about the demarcation between the PNR relocation work and the project construction it has been included Addendum 4.</i></p>

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S-06		Sec 6 II DRAWING MAINLINE DRAINAGE		13_CP S-06_Main Drainage (NSRP-DWG VIA06-DR-0007)	AT-GRADE MAINLINE DRAINAGE - DETAIL OF DRAINAGE CROSSING	In NSRP-DWG VIA06-DR-0007, the tabulated schedule of Canal Realignment at all chainage (except 48+420, 52+580, & 53+490), are crossing under the PNR Freight and Temporary Track The plans, section, and details were shown in series of drawing NSRP-DWG-VIA06-DR-4000. In General Note Item 6.1 " Profiles and Plans presented in the 4000 series of drawing are for information only. Please clarify if the drainage concrete culvert structures crossing under the PNR Track at the tabulated canal realignment are under the scope of these contract package CPS 06.	<i>The relocated canal shown on the drawings shall be constructed by the bidder. The proposed canal shown on the drawings shall be constructed by others. Bidder is advised that information about the demarcation between the PNR relocation work and the project construction it has been included Addendum 4.</i>
S-07	1,2	Volume 1A Section 4A Bidding Forms – Bill of Quantities (BOQ) Volume 2 Section 6 I. Specifications Volume 02 Book 02 (Architectural) Architectural Plan	TS 536	Bill No. 4-1.1 (OCC Building) Item No. D536(2) TS 500 – Architectural Works NSRP-DWG-OCC-AR- 3601	-	Which will govern for the finish of Granite floor tile. Based on the conversation with supplier; Honed, Flamed and Polished finish are different types of stone finishes. a. As per BOQ: 600 x 600 Honed/Flamed Granite Tile b. As per Specifications: Polished (Honed) finish c. As per Architectural Plans: 600 x 600 Granite Honed/Flamed Tile	<i>1.) BOQ is only based on the Architectural plans. 2.) Honed finish will govern. Refer to TS-500 General Provision #6 (Stone flooring).</i>
S-07		GENERAL BID BULLETIN NO. 14 26 FEBRUARY 2021 IFB NO. 20-031-6	3		Waterproofing for EV Hall Wall is included in Bill No.4-1.1 Pay item No. D514(2) - Polyurethane Membrane System WP	Please confirm if the consideration of PU Membrane System is the whole height of the wall. If not, kindly specify the height to be considered. Please confirm also if there is no Waterproofing to EV Hall Floors since it is not reflected in the Schedule of Finishes and no Waterproofing Plans provided.	<i>Waterproofing wall height at 1800mm, no waterproofing for EV Hall floor. Refer to sheets OCC-AR-3866 rev 21.3 and OCC-AR-3867 to 3868 submitted as Rev. 21.3</i>
S-07	2	Book 2 (Architectural) Architectural Plan	-	NSRP-DWG-OCC-AR- 3603	-	Kindly provide plans that reflect the following as per reflected in the Schedule of Finishes at Roofdeck: a. Aluminum Angle w/ Sealant w/ Cement Board Cladding for WP Protection for Wall b. Urethane Waterproofing on RC Parapet c. Insulator - Unwoven Cloth (70kg/m2) d. 50mm thk. Concrete Topping w/ Metal Lathe Reinforcement to Roofdeck e. 20mm Plain Mortar Steel Troweled Finish to Roofdeck	<i>Roof details were added refer to sheet NSRP-DWG-OCC-3525 submitted Rev21.3.</i>
S-05	2	Volume 2 & Section 6 – Part IC TS 200 - Bridges and Viaducts	357/372	231.2 Submittals	The Contractor shall submit full details, including previous authorized test data of the proposed stay cable and saddle systems, supported by all applicable calculations for the parallel Epoxy Coated and Filled Strand (herein referred to as ECF Strand) stay cable system in accordance with the type, size, strength, geometry and arrangement depicted on the Drawings.	Please advise whether you will accept previous test reports for stay cables as per CIP and fib recommendations or will you ask for a new test for stay cables as per PTI recommendations?	<i>Typically we allow previous test reports provided that the tests were undertaken on components and systems that are the same as those specified for this project (i.e the same anchor type is used and the same cable size is used, etc.).</i>
S-05	2	Volume 2 & 02_Book 1 (Civil) 04_CP S- 06_BR215	7/90	NSRP-DWG-BR215-ST- 0242		In the drawings it is stated that there is a “trailer”. Could you pls clarify whether it is a kind of SPMT (self-propelled modular transporter) or Hillman Rollers or on teflon? Could you please share a representative picture for that “trailer”? If it is on rollers , please advise the location of rollers? Are they fixed? If it is on Teflon please advise whether are these on launching bearings or on beams?	<i>The trailer is a temporary support that moves. This is a contractor design item and forms part of the temporary works.</i>
S-05	2	Volume 2 & 02_Book 1 (Civil) 04_CP S- 06_BR215	7/90	NSRP-DWG-BR215-ST- 0242		Please advise about max allowable horizontal load on pier P1190?	<i>Please note this is Contractor's responsibility to check the structural integrity of any permanent structure for their temporary use.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	2	Section 6 – Part IC TS 200 - Bridges and Viaducts	357/372	231.2 Submittals	The Contractor shall submit full details, including previous authorized test data of the proposed stay cable and saddle systems, supported by all applicable calculations for the parallel Epoxy Coated and Filled Strand (herein referred to as ECF Strand) stay cable system in accordance with the type, size, strength, geometry and arrangement depicted on the Drawings.	Please advise whether you will accept previous test reports for stay cables as per CIP and fib recommendations or will you ask for a new test for stay cables as per PTI recommendations?	<i>Typically we allow previous test reports provided that the tests were undertaken on components and systems that are the same as those specified for this project (i.e the same anchor type is used and the same cable size is used, etc.).</i>
S-06	2	02_Book 1 (Civil) 04_CP S- 06_BR215	7/90	NSRP-DWG-BR215-ST-0242		In the drawings it is stated that there is a “trailer”. Could you pls clarify whether it is a kind of SPMT (self-propelled modular transporter) or Hillman Rollers or on teflon? Could you please share a representative picture for that “trailer”? If it is on rollers , please advise the location of rollers? Are they fixed? If it is on Teflon please advise whether are these on launching bearings or on beams?	<i>The trailer is a tempory support that moves. This is a contractor design item and forms part of the temporary works.</i>
S-06	2	02_Book 1 (Civil) 04_CP S- 06_BR215	7/90	NSRP-DWG-BR215-ST-0242		Please advise about max allowable horizontal load on pier P1190?	<i>Please note this is Contractor's responsibility to check the structural integrity of any permanent structure for their temporary use.</i>
S-07		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	We kindly request for conditions of access for CP NS-01. Does condition for access provision include below activities? Please describe if there’s additional items. a. All reinforced concrete or steel structures b. Roof and façade c. Utility containment spaces such as utility ducts, cable shafts d. Waterproofing and screeding e. Partition walls f. Trenches, plinths, access opening g. Temporary sump pumps, lighting, power, and ventilation	<i>Your listed item a) to g) shall be completed with lockable door. The condition of room shall be clean and free for CPNS-01 to carry out his works.</i>
S-07		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	We kindly request for conditions of access for CP NS-01. Does condition for access provision include below activities? Please describe if there’s additional items. a. All reinforced concrete or steel structures b. Roof and façade c. Utility containment spaces such as utility ducts, cable shafts d. Waterproofing and screeding e. Partition walls f. Trenches, plinths, access opening g. Temporary sump pumps, lighting, power, and ventilation	<i>Your listed item a) to g) shall be completed with lockable door. The condition of room shall be clean and free for CPNS-01 to carry out his works.</i>
S-07	1	CP S-07 Vol.1A Sec.4A BOQ 20210118	BOQ Bill No.2 Part A	ITEM No. 205(2) 205(3)	Geogrid, 37.5kN/m Geogrid, 75.0kN/m	Please provide calculation excel spreadsheet which demonstrate and justify the given Geogrid quantities 109,425 sqm and 422,416 sqm.	<i>Please refer to the revised BOQ, Bill No. 2, Item Nos. 205(2) & 205(3) with updated quantities in accordance with the drawings. Updated / revised BOQ to be issued as Addendum 3.</i>
S-05	1,2	Vol 1 Bill 3 Vol 2 TS 204.1		BILL of Quantity - 3 Geotechnical Investigation VS Technical Specification Item 204.1.1.2 Geotechnical Investigation Work.	Bill of Quantity - 3, Part B.1, Item 204 (1) Geotechnical Investigation Works and Criteria for Termination of Borehole.	In Bill of Quantity 3, the quantity of 6497 ln m of Geotechnical Investigation Work has an average of 20 m depth confirmation borehole for the 320 pier location of CPS-05 alignment. The average 20 m bh depth is not enough for the Fourth (4th) bh termination criteria "Maximum depth of 60m below the existing ground level" (TS Item 204.1.1.2, page TS 100 Annex A-9). Note: Fouth (4th) criteria would be used when the first to third criteria could not be met. Refer to NSRP-DWG-VIA05-ST-0014 TO 0045, there are bored pile lenght of 30 to 54 m in over 50 pier location with SC 7, SC 8 and SC 9. Please clarify and request for consideration, to increase the quantity of Geotechnical Investigation Work lenght, to perform confirmation bh to those bored pile with extended penetration depth in some critical pier location.n.	<i>BOQ was revised. Please refer to GBB No.11, Addendum No.1, Volume 1, BOQ, Bill No. 4-1, 4-2 and 4-3, Pay Item No.: 403(1), 403(2) and 403(2)a. As part of the principle for a admeasurement contract, any obvious errors detected in quantification in the BoQ shall, subject to the agreement of the Engineer, be re-measured and corrected. The Contractor is not expected to take the risk of errors in quantities.</i>

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S-04	2			Drawings / Specifications - Architectural Plans		Please provide of the following: a. Location and Plan showing W=10mm Stainless Steel Tile Border at Alabang & Muntinlupa Stations.	<i>Granite Stone Border to be used. Please refer to NSRP-DWG-STA-AR-3502 as Rev 21.3</i>
S-04	2			Drawings / Specifications - Architectural Plans		f. Door Tag and Door Schedule at Substation 07. Refer to "Annex A" NSRP-DWG-SS07-AR-3101	<i>Please refer to sheet NSRP-DWG-SS00-AR-3015. The drawing was already updated and submitted in Addendum 2. Kindly note that the door taggings for Substations can be found on floor plans by building type (NSRP-DWG-SS00-AR-3009, 3012, 3015, 3018, 3021, 3024, 3027, 3030, 3033, 3036).</i>
S-04	2			Drawings / Specifications - Architectural Plans		g. Door Tag and Door Schedule at Substation 08. Refer to "Annex A" NSRP-DWG-SS08-AR-3101	<i>Please refer to sheet NSRP-DWG-SS00-AR-3009. The drawing was already updated and submitted Addendum 2. Kindly note that the door taggings for Substations can be found on floor plans by building type (NSRP-DWG-SS00-AR-3009, 3012, 3015, 3018, 3021, 3024, 3027, 3030, 3033, 3036).</i>
S-04	2			Drawings / Specifications - Architectural Plans		h. Door Tag and Door Schedule at Substation 09. Refer to "Annex A" NSRP-DWG-SS09-AR-3101	<i>Please refer to sheet NSRP-DWG-SS00-AR-3027. The drawing was already updated and submitted lin Addendum 2. Kindly note that the door taggings for Substations can be found on floor plans by building type (NSRP-DWG-SS00-AR-3009, 3012, 3015, 3018, 3021, 3024, 3027, 3030, 3033, 3036).</i>
S-04	2			Drawings / Specifications - Architectural Plans		Please confirm of the following: a. Items reflected on Bill of Quantities that are not seen on plans.at Substation 07, 08 & 09. Refer to "Annex B"	<i>Kindly note that the door taggings for Substations can be found on floor plans by building type (NSRP-DWG-SS00-AR-3009, 3012, 3015, 3018, 3021, 3024, 3027, 3030, 3033, 3036).</i>
S-04	2			Drawings - Structural Plans		b. Connection detail for M22 tie Bar to Truss. Refer to "Annex D" NCRP - DWG - ALA - ST - 4523 / NCRP - DWG - MUNTI - ST - 4523	<i>The connection detail for the M22 tie bar to truss will be similar to the detail on NSRP-DWG-ALA-ST-4521 as shown on the Section 4.</i>
S-04	2			Drawings - Structural Plans		c. Specification for Fork End Fitting. Refer to "Annex E" NCRP - DWG - ALA - ST - 4521 / NCRP - DWG - MUNTI - ST - 4521	<i>Equivalent grade 60 material shall be added on the detail refer to image below</i>
S-04	2			Drawings - Structural Plans		Please confirm of the following: a. Length of vertical "F=1.803m" on Frame 7 & 8 if length of vertical "F" on Frame 7A and "O" on Frame 2 and 3 is 1.0m only. Refer to "Annex F" NCRP - DWG - ALA - ST - 4501 to 4511 / NCRP - DWG - MUNTI - ST - 4501 to 4511	<i>The revised dimensions of the details on sheet NSRP-DWG-ALA-ST-4502 will be updated as rev 21.3 .</i>
S-04	1,2	Volume 1, Section 4, Bill of Quantities No.1 & Volume 2, Section 6, Employer's Requirement (ERQ), Appendix 2	19 of 130 & 23, 24, 25 of 30 (respectively)	GS118(7) GS118(8) GS118(10) GS118(12)	Bill of Quantity No.1, Pay Item No: GS118(7), GS118(8), GS118(10), GS118(12): Appendix 2; reference text: Historic Buildings and Structures: 1. Items to be protected in place: Not applicable 2. Items to be carefully taken apart for reassembly / rebuilding elsewhere: Not applicable 4. Items to be removed intact, stored and exhibited off site: Not applicable 6. Items to be demolished (arising to be disposed of off-site unless agreed otherwise with the Engineer): a. Buildings: Not applicable, b. Bridges: Not applicable	If Pay Item No: 118(7), 118(8), 118(10) and 118(12) are read in conjunction with Appendix 2, no. 1., 2., 4., and 6., respectively, it will be seen that each work/requirement are actually not applicable for CS S-04 Package as part of either Lump Sum (LS) or Provisional Sum (PS) works. Please confirm.	<i>The BOQ shall be revised to delete Item Nos: 118(7), 118(8), 118(10) and 118(12) from the Bill No.1. The related work items for the Historical PNR Structure Protection / Relocation / Demolition shall be covered by the Bill No. 8-Provisional Sum. The revised / updated BOQ shall be issued as Addendum 3.</i>

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S-04	1,2	Volume 1, Section 4, Bill of Quantities No.1 & Volume 2, Section 6, Employer's Requirement (ERQ), Appendix 2	19 of 130 & 24, 25 of 30 (respectively)		Bill of Quantity No.1, Pay Item No: GS118(9), GS118(11), GS118(13): Appendix 2; reference text: Historic Buildings and Structures: 3. Items to be removed intact, stored and repositioned on site later: 30.Buli Bridge, 31.Cupang Bridge, 32.Alabang Bridge, 34.Bayaan Creek Bridge, 35.Bucal Bridge, 37.Prinza Bridge, 38.Tunasa Culvery Bridge, 39.Pacwood Bridge 5. Items to be demolished, when demolishing, recover and make an inventory of any rail materials and other artefacts from after the Philippine-American War used as construction material: Alabang Station 7. Items already demolished (ground slabs and foundations to be grubbed up and removed): 36.Muntinlupa Station	In consideration of; 1- GS118(9) and Appendix 2, no: 3. together, total 8 Bridge (as names listed in the Appendix) are required to be "removed intact, stored and repositioned on site later" as part of Provisional Sum (PS) works. Please confirm. 2-GS118(11) and Appendix 2, no: 5. together, Alabang Station is required to "be demolished, when demolishing, recover and make an inventory of any rail materials and other artefacts from after the Philippine-American War used as construction material" as part of Lump Sum (LS) works. Please confirm. 3-G118(13) and Appendix 2, no: 7. together, Muntinlupa Station is "already demolished" and, "ground slabs and foundations to be grubbed and removed" as part of Lump Sum (LS) works. Please confirm.	<i>Q1,Q2 & Q3)The BOQ shall be revised to delete Item Nos: 118(9), 118(11) and 118(13) from the Bill No.1. The related work items for the Historical PNR Structure Protection / Relocation / Demolition shall be covered by the Bill No. 8-Provisional Sum. The revised / updated BOQ shall be issued as Addendum 3.</i>
S-04	1,2	Volume 1, Section 4, Bill of Quantities No.1 & Volume 2, Section 6, Employer's Requirement (ERQ), Appendix 2	20 of 130 & --		Bill of Quantity No.1, Pay Item No: GS118(14):	Please clarify which Historical Structures and Buildings are required to be demolished as part of this Lump Sum (LS) work (GS118(14)) since, no any reference could be found either in Volume 2, Section 6, ERQ, Appendix 2 or in any other tender documents	<i>The BOQ shall be revised to delete Item Nos: GS118(14) from the Bill No.1. The related work items for the Historical PNR Structure Protection / Relocation / Demolition shall be covered by the Bill No. 8-Provisional Sum. The revised / updated BOQ shall be issued as Addendum 3.</i>
S-04	2			Drawings - Structural Plans		b. Steel Support Detail/location showing the area for covered Walkway on Alabang Station. Refer to "ANNEX H"	<i>The steel support details are shown on sheet NSRP-DWG-ALA-ST-4534 and NSRP-DWG-MUN-ST-4534 rev. 21.2</i>
S-04	1	Section 4 Bidding Form - Key Personnel	BF18-20	Key Personnel Requirments Notes#2	The candidates experience must be relevant to the position they are proposed for.	Please kindly specify the meaning of [experience must be relevant]. For instance, candidate for [Project Director], does the candidate should have more than 20 years of total experience in the field as [Project Director]?. Or does the candidate can have more than 20 years of total experience in the field with experience as [Project Director] that is less than 20 years.	<i>The requirement for relevant experience has been specified in Key Personnels under Section 4 Bidding Forms, for example, the Project Director shall have not less than 20 years of experience in management of design and construction of major civil works projects. It is not a must to have 20 years experience as a Project Director.</i>
S-04	1	Section 4 Bidding Form - Key Personnel	BF18-20	Key Personnel Requirments Notes#3	The railway experience must be relevant to the position they are proposed for.	Please kindly specify the meaning of [experience must be relevant]. For instance, candidate for [Project Director], does the candidate should have more than 5 years experience in the railway project as [Project Director]?. Or does the candidate can have more than 5 years of experience in the railway project with experience as [Project Director] that is less than 5 years.	<i>There is no such requirement for that Project Director shall have more than 5 years experience in the railway projects as Project Director.</i>
S-04	2		NSRP-DWG-VIA04-DR-0004		General Notes: 6. Drainage Crossing connection construction sequence	For avoidance of doubt, please clarify the scope. If 6.1 General Notes states that series 4000 is for information only, does this mean all these RCBC crossings are not part of bidder's scope?	<i>The relocated canal shown on the drawings shall be constructed by the bidder. The proposed canal shown on the drawings shall be constructed by others.Bidder is advised that information about the demarcation between the PNR relocation work and the project construction it has been included Addendum 4.</i>
S-04				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 GS 131.4.</i>

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S-04	2			Backfill	Bill of Quantities - Stations	Please confirm if backfilling material is from excavated material	<i>Please refer to the Technical Specifications, TS 200, Section 201; Sub-Section 201.3, First Paragraph. Please also refer to Sub-Section 201.4; Clause 201.4.2-Material.</i>
S-04		Section 6 – IB General Specification	GS98	131.4	<p>The Contractor shall take into consideration all safety consideration Within the railway protection and safety zones to safeguard operation of the PNR on the Works.</p> <p>The Contractor shall erect high visibility safety fencing along the demarcation line of the PNR safety zones and in good order at all times.</p> <p>These particular safety hoardings are in addition to those required generally along the site boundary lines, a minimum of 2.5m in height..... The safety hoarding shall be located a minimum adjacent PNR railway track to leave at least 800mm clearance inside the PNR for personnel safety purpose.</p>	<p>1. There are mentioned 3 different zones, which are railway protection and safety zone, PNR Safety Zone and PNR Zones. What are the definitions and requirements of those zones?</p> <p>2. Based on our review, it may require 4 layers of the hoarding/ fencing along the site. The conceptual drawings are attached for your review. Please confirm if our interpretation is correct.</p> <p>3. Learnt from the interpretation drawings that the safety fencing/ safety hoarding will be in conflict to the station construction and the underground structure. Please clarify.</p> <p>4. What is the standard of the hoarding, safety fencing, safety hoard?</p> <p>5. Where is the pay item to cover hoarding, safety fencing, safety hoarding?</p> <p>6. Please confirm if all the different types of hoarding are part of the contractor's scope of works.</p> <p>Please refer to Annex A Drawings for references: https://drive.google.com/drive/u/2/folders/1Lq2eUwyV4HQMYY8x5vkIFUkoa-6RRvGMX</p>	<i>Q1 to Q4 & Q6. Please refer to the General Specification, Section GS 131 and Vol.2 Section 6-1B Appendix 3 Site Safety / Appendix 3 - Requirements for Site Safety Management Accident Q5) The safety fencing / hoarding fence shall be covered by the BOQ, Bill No. 1, Item GS103(2).</i>
S-05	2		NSRP-DWG-VIA05-DR-0004		General Notes: 6. Drainage Crossing connection construction sequence	For avoidance of doubt, please clarify the scope. If 6.1 General Notes states that series 4000 is for information only, does this mean all these RCBC crossings are not part of bidder's scope?	<i>The relocated canal shown on the drawings shall be constructed by the bidder. The proposed canal shown on the drawings shall be constructed by others. Bidder is advised that information about the demarcation between the PNR relocation work and the project construction it has been included Addendum 4.</i>
S-05	2			Backfill	Bill of Quantities - Stations	Please confirm if backfilling material is from excavated material	<i>The relocated canal shown on the drawings shall be constructed by the bidder. The proposed canal shown on the drawings shall be constructed by others. Bidder is advised that information about the demarcation between the PNR relocation work and the project construction it has been included 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		Section 6 – IB General Specification	GS98	131.4	<p>The Contractor shall take into consideration all safety consideration Within the railway protection and safety zones to safeguard operation of the PNR on the Works.</p> <p>The Contractor shall erect high visibility safety fencing along the demarcation line of the PNR safety zones and in good order at all times.</p> <p>These particular safety hoardings are in addition to those required generally along the site boundary lines, a minimum of 2.5m in height..... The safety hoarding shall be located a minimum adjacent PNR railway track to leave at least 800mm clearance inside the PNR for personnel safety purpose.</p>	<p>1. There are mentioned 3 different zones, which are railway protection and safety zone, PNR Safety Zone and PNR Zones. What are the definitions and requirements of those zones?</p> <p>2. Based on our review, it may require 4 layers of the hoarding/ fencing along the site. The conceptual drawings are attached for your review. Please confirm if our interpretation is correct.</p> <p>3. Learnt from the interpretation drawings that the safety fencing/ safety hoarding will be in conflict to the station construction and the underground structure. Please clarify.</p> <p>4. What is the standard of the hoarding, safety fencing, safety hoard?</p> <p>5. Where is the pay item to cover hoarding, safety fencing, safety hoarding?</p> <p>6. Please confirm if all the different types of hoarding are part of the contractor's scope of works.</p> <p>Please refer to Annex A Drawings for references: https://drive.google.com/drive/u/2/folders/1Lq2eUwyV4HQMY8x5vkIFUkoa-6RRvGMX</p>	<p>Q1 to Q4 & Q6. Please refer to the General Specification, Section GS 131 and Vol.2 Section 6-1B Appendix 3 Site Safety / Appendix 3 - Requirements for Site Safety Management Accident</p> <p>Q5) The safety fencing / hoarding fence shall be covered by the BOQ, Bill No. 1, Item GS103(2).</p>
S-05	2				NSCR-DWG-SRO-PL	We note that the items (ACW-22 and HRV-15) are not included in the drawings provided by the client. These items were added during bid bulletin 11, but no drawings were updated.	ACW-22 & HRV-15 to be removed in the BoQ in Addendum 4
S-06	2		NSRP-DWG-VIA06-DR-0004		General Notes: 6. Drainage Crossing connection construction sequence	For avoidance of doubt, please clarify the scope. If 6.1 General Notes states that series 4000 is for information only, does this mean all these RCBC crossings are not part of bidder's scope?	The relocated canal shown on the drawings shall be constructed by the bidder. The proposed canal shown on the drawings shall be constructed by others. Bidder is advised that information about the demarcation between the PNR relocation work and the project construction it has been included Addendum 4.
S-06	2			Backfill	Bill of Quantities - Stations	Please confirm if backfilling material is from excavated material	Please refer to the Technical Specifications, TS 200, Section 201; Sub-Section 201.3, First Paragraph. Please also refer to Sub-Section 201.4; Clause 201.4.2-Material.
S-06		Section 6 – IB General Specification	GS98	131.4	<p>The Contractor shall take into consideration all safety consideration Within the railway protection and safety zones to safeguard operation of the PNR on the Works.</p> <p>The Contractor shall erect high visibility safety fencing along the demarcation line of the PNR safety zones and in good order at all times.</p> <p>These particular safety hoardings are in addition to those required generally along the site boundary lines, a minimum of 2.5m in height..... The safety hoarding shall be located a minimum adjacent PNR railway track to leave at least 800mm clearance inside the PNR for personnel safety purpose.</p>	<p>1. There are mentioned 3 different zones, which are railway protection and safety zone, PNR Safety Zone and PNR Zones. What are the definitions and requirements of those zones?</p> <p>2. Based on our review, it may require 4 layers of the hoarding/ fencing along the site. The conceptual drawings are attached for your review. Please confirm if our interpretation is correct.</p> <p>3. Learnt from the interpretation drawings that the safety fencing/ safety hoarding will be in conflict to the station construction and the underground structure. Please clarify.</p> <p>4. What is the standard of the hoarding, safety fencing, safety hoard?</p> <p>5. Where is the pay item to cover hoarding, safety fencing, safety hoarding?</p> <p>6. Please confirm if all the different types of hoarding are part of the contractor's scope of works.</p> <p>Please refer to Annex A Drawings for references: https://drive.google.com/drive/u/2/folders/1Lq2eUwyV4HQMY8x5vkIFUkoa-6RRvGMX</p>	<p>Q1 to Q4 & Q6. Please refer to the General Specification, Section GS 131 and Vol.2 Section 6-1B Appendix 3 Site Safety / Appendix 3 - Requirements for Site Safety Management Accident</p> <p>Q5) The safety fencing / hoarding fence shall be covered by the BOQ, Bill No. 1, Item GS103(2).</p>

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S-07	Volume 2	Sec.6 ERQ	II. Drawings	NSRP-DWG-DEP-RD-8014 Access Track wall facing reinforcement details sheet 2		What is longitudinal interval of OCS POLE on Access Track wall facing?	<i>Bidder is advised to refer to Provisional Sum introduced in Addendum 3.</i>
S-07	Volume 2	Sec.6 ERQ	TS100-26	C. Technical Specification (TS) 103.2 Material Requirement	1) Suitable Material – Material which is acceptable in accordance with the Contract and which can be compacted in the manner specified in this section. It can be common material or rock. ----- 3) Unsuitable Material – Material other than suitable materials such as: a) Materials containing detrimental quantities of organic materials, such as grass, roots and sewerage. b) Organic soils such as peat and muck. c) Soils with liquid limit exceeding 80 and/or plasticity index exceeding 55. d) Soils with a natural water content exceeding 100%. e) Soils with very low natural density, 800 kg/m3 or lower. f) Soils that cannot be properly compacted as determined by the Engineer.	Please confirm any material can be used for borrowed embankment unless it falls into category of unsuitable material.	<i>The borrowed embankment should be all suitable materials. Please refer to TS 103.</i>
S-07	Volume 2	Sec.6 ERQ	TS200-92	C. Technical Specification (TS) 206.7.6.2 Creep and Shrinkage Tests	Tests shall be performed in accordance with requirements of ASTM C 512M. Ages of specimens cylinders) at time of initial loading shall be 3, 28 and 90 days. Number of specimens per test shall be in accordance with ASTM C 512M.	Creep and Shrinkage tests are specifically for Viaduct structure adopting pre-tensioning and post-tensioning. In this context we believe those are not necessary for normal RC structures in Depot. Please make an exception for S-07.	<i>The RC buildings in the Depot do not adapt pre-tensioning and post-tensioning, and thus, do not require creep and shrinkage test. Also, TS 400 is to be used on the Depot Building structures.</i>
S-07	Volume 1	Sec.4A BoQ		Miscellaneous Works (Furniture)		Please provide specifications of Furniture.	<i>The borrowed embankment should be all suitable materials. Please refer to TS 103.</i>
S-07	Volume 2	Sec.4A BoQ & 02_Book 2 03_S07 ELEC		Sec.4A BoQ & NSRP-DWG-DEP-EL-5101_[21.1] Handhole		If the handhole for crossing road is the scope of civil work, the quantity of handhole shall be 8ea. However, the Electrical Handhole in the BOQ is 24ea. Please clarify the quantity of electrical handhole.	<i>The BOQ shall be revised for the appropriate quantity of handhole. Updated / revised BOQ to be issued as Addendum 3.</i>
S-07	Volume 1	Sec.4A BoQ		D706(1)bd. Panel for Signaling Communication Requirements (incl. 50kVA UPS) 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. The UPS system shall be complete, including accessories.</i>
S-07	Volume 2	01_Specifications 02_TS TS.500		Elevators. 557.3.7 Maintenance Service		The warranty period for elevators is not specified in the TS. Please clarify the warranty period for Elevators.	<i>The warranty period should be one (1) year. TS 557 (Elevators) have been updated and issued in Addendum 4</i>
S-05	Volume 2, Drawing		NSRP-DWG-VIA00-ST-1901	- LIGHTNING ARRESTER DETAILS		Please clarify whether Lightning arrester work for piers is under the Bidder's SoW. If so, please kindly advise which item within BOQ shall be associated with the lightning arrester work.	<i>The lightning protection system works included in the BoQ has limited to the stations. The lightning protection system works in viaduct is not included in the BoQ as it is "scope of E & M Contractor."</i>

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S-06		Volume 2 01 Specifications 02 TS TS.500		Elevators. 557.3.7 Maintenance Service		The warranty period for elevators is not specified in the TS. Please clarify the warranty period for Elevators.	<i>Warranty period should be one (1) year. TS 557 (Elevators) were updated and issued in Addendum 4</i>
S-06		Volume 2 01 Specifications 02 TS TS.500		Escalators 558 Escalators		The definition of maintenance service for Escalators is not clearly defined in the TS. Please specify the specification for maintenance of Escalators. And, please clarify the warranty period for Elevators.	<i>The warranty period should be one (1) year. TS 558 (Escalators) were updated issued in Addendum 4</i>
S-06		Volume 2 Section 6	TS200-55	204.2.7.2		Refer to clause 204.2.7.2, bores shall be taken at the location of the centerline of each pier and abutment. Please let us know we should consider bores of station and substation.	<i>Since there is already a geotechnical investigation work for each viaduct pier spaced every 40m within the station vicinity, only a number of confirmatory holes shall be needed. TS 400 will be updated to include the number of confirmatory holes in Addendum 4</i>
S-06		Volume 2, Book1(Civil), 01_01_CP S- 06_General Details_Civil_2020 921		NSRP-SW-ALT-PL-D- 0016		After reading the dwg NSRP-SW-ALT-PL-D-0016, we confirmed that there is a PNR temporary platform; we believe that there may be an existing PNR temporary line near the platform. We are hoping for your clarification on the length of the PNR temporary line, past the temporary station.	<i>The PNR temporary track extends to the temporary platform. It overlaps with a part of the future track.</i>
S-06		Volume 1 & Section 4A		Bill No 4 - Reinforcing Steel, Grade 40 & 60		→ Please find tabulation below showing discrepancies in quantities between given BOQ and our computation. Kindly clarify.	<i>BOQ was revised. Please refer to GBB No.11, Addendum No.1, Volume 1, BOQ, Bill No. 4-1, 4-2 and 4-3, Pay Item No.: 403(1), 403(2) and 403(2)a</i> <i>As part of the principle for a admeasurement contract, 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>
S-06		Volume 1 & Section 4A		Bill No 4 - Reinforcing Steel, Grade 40		As per Rebar Schedule, Grade 40 is applied to Slab on Fill & Suspended Slab. However, given BOQ shows that Cabuyao and Calamba Stations have less quantities than Banlic Station while the latter is smaller than the other stations. → Kindly clarify it.	<i>The quantity of Item 403(1) under Bill No.4-2 is revised and shall be issued as Addendum 3.</i> <i>As part of the principle for a admeasurement contract, 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>
S-06		Volume 1 & Section 4A		Bill No 4.1 (Cabuyao)	FF2: Self Leveling Epoxy Paint with Hardener	Tender BOQ 505 (1) measured quantity of 1,234 m2 for FF2 finish while quantity based on the available drawings measured 637 m2 only. Please clarify this item.	<i>The quantity of Item 505(1) under Bill No.4-1 is revised and shall be issued as Addendum 3.</i> <i>As part of the principle for a admeasurement contract, any obvious errors detected in quantification in the BoQ shall, subject to the agreement of the Engineer, be re-measured and corrected. The Contractor is not expected to take the risk of errors in quantities.</i>

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S-06		Volume 1 & Section 4A		Bill No 4 - Item No 514(1): Crystalline Cementitious Type Waterproofing		→ Please find tabulation below showing discrepancies in quantities between given BOQ and our computation. Kindly clarify.	<i>The quantity of Item 514(1) in the BOQ is consistent with the Drawings. Please refer to the Updated BOQ which shall be issued as Addendum 3.</i> <i>As part of the principle for a admeasurement contract, 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>
S-06		Volume 1 & Section 4A		Bill No 4 - Item No 544(8) : CF7 Ceiling: 600mm x 600mm Light Weight Aluminum Clip on Type Metal Ceiling		→ Please find tabulation below showing discrepancies in quantities between given BOQ and our computation. Kindly clarify.	<i>The BOQ shall be revised in accordance with the updated drawings and shall be issued as Addendum 3.</i> <i>As part of the principle for a admeasurement contract, 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>
S-06		Volume 1 & Section 4A		Bill No 4 - Item No 565(1) : Touch Voltage Insulation		Please clarify why the given BOQ quantity of Banlic Station for Touch Voltage Insulation of Banlic Station has bigger quantities as compare to Cavuayo and Calamba Stations. Drawing ref. AR-STA-3508 shows touch voltage insulation will be applied to the entrance door of the platform area.	<i>The quantity of Item 565(1) under Bill No.4-2 is revised and shall be issued as Addendum 3.</i> <i>As part of the principle for a admeasurement contract, 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>
S-06		Volume 1 & Section 4A		Bill No 4 - Item No 514 (1): Crystalline Cementitious Type Waterproofing		→ Please find tabulation below showing discrepancies in quantities between given BOQ and our computation. Kindly clarify.	<i>The quantity of Item 514(1) in the BOQ is consistent with the Drawings. Please refer to the Updated BOQ which shall be issued as Addendum 3.</i> <i>As part of the principle for a admeasurement contract, 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>
S-06		Volume 1 & Section 4A		Bill No 4.3 (Calamba)	CF5 : Light Weight Perforated Aluminum Metal Ceiling	Tender BOQ described item 544(2) CF5 Ceiling: 600 x 600mm Light Weight Perforated Aluminum Metal Ceiling at Open Area with total quantity of 375m2 for Calamba Station. → Kindly confirm if this item is required as it is not indicated in reflected ceiling plan drawings for Calamba Station. If required, kindly provide updated drawing indicating location for these ceiling item to verify the quantity.	<i>The BOQ shall be revised in accordance with the updated drawings and shall be issued as Addendum 3.</i> <i>As part of the principle for a admeasurement contract, any obvious errors detected in quantification in the BoQ shall, subject to the agreement of the Engineer, be re-measured and corrected. The Contractor is not expected to take the risk of errors in quantities.</i>

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S-06		Volume 2, Book1(Civil), 01_01_CP S- 06_Mainline Drainage		NSRP-DWG-VIA06-DR- 4010-4271		Refer to general note, We understand PROPOSED CANAL is not S-06 work scope (infomation only) and RELOCATED CANAL is S-06 work scope. Please clarify RELOCATED CANAL should be considered S-06 workscope.	<i>The relocated canal shown on the drawings shall be constrctued by the bidder. The proposed canal shown on the drawings shall be constructed by others.Bidder is advised that information about the demarcation between the PNR relocation work and the project construction it has been included Addendum 4.</i>
S-07		Volume 2, 02 Book 1 (Civil) , 02_CP S- 07_Roads SCRIP Item 10.17 Site Data - Depot Design Report 2.1 CP S-07 Vol.2 Sec.6-IA Scope of Works Bid Bulletin 11, Volume 1, CP S-07 Vol.1A Sec.4A BOQ 20210118	19 of 122 410 (18 of 106) 16 of 28	NSRP-DWG-DEP-RD- 1201 Access Road to South Depot This road will be also access road for construction of South Depot. Initially, the south depot could be accessed through the local area road network only. Later, by agreement with CP S-06 Contractor, access may follow the permanent access route of an access road (approx. 0.5km long) to be built under this package CP S-07 which is an extension of the Banlic Station Access road to be built under CP S-06. BOQ 103(1)c Embankment for At grade section for Depot (Selected Borrow		The South Depot Access Road will be use as access road for the construction of Depot. In the Typical Cross Section, It is indicated to use Embankment(from Excavation). Can the Embankment of Access Road be considered as Embankment (Selected Borrow Material) pay item 103(1)c	<i>The Bidder is advised to adhere to the drawing / Typical Cross Section which indicates "Embankment (from Excavation)".</i>

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S-07		VOL. 2, Section 6 IC VOL. 2, Section 6 II	TS 500 - 70 DRG. NO.: 1. NSRP-DWG-WRS-AR-3101 2. NSRP-DWG-CMV-AR-3101 3. NSRP-DWG-LOS-AR-3501 4. NSRP-DWG-DHS-AR-3601 5. NSRP-DWG-LGS-AR-3601 6. NSRP-DWG-TGB-AR-3011 7. NSRP-DWG-TMO-AR-3101 8. NSRP-DWG-MCS-AR-3011 9. NSRP-DWG-CPS-AR-3101 10. NSRP-DWG-CNT-AR-3421 11. NSRP-DWG-FPH1-AR-3201 12. NSRP-DWG-LRS-AR-3006	19) Others	Storm Water Trench: Reinforced Concrete with Cast Iron Grating Stainless Steel Grating	1. Please confirm which will govern for trench grating; Cast iron as per technical specs, Stainless Steel Grating as per plan. 2. Please provide trench grating details.	"1. Stainless steel gratings will govern . Bidder to refer to the revised TS500 in Addendum 3 2. Refer to NSRP-DWG-DEP-AR-3513 for typical details."
S-07		VOL. 2, Section 6 IC VOL. 2, Section 6 II	TS 500 - 58 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	7) Ceramic Tile Works	Vitrified, Non-Skid Double Charged; 600x600mm Ceramic, Local Standard; Joint Pointing: +/- 3mm Location: Toilet & Shower Floor 300x300 Vitrified Non-Skid Ceramic Floor Tiles Location: Toilet Floor Finishes	Please verify conflict between specifications and plans, which shall govern	300x300 Vitrified Non-Skid Ceramic Floor Tiles will govern. Bidder to refer to the revised TS-500in Addendum 3
S-07		Volume 02, _Book 2 (Architectural), 02_S07 ARCH, CP- S 07_01_AR-OCC	NSRP-DWG-OCC-AR-3123 to 3124	OCC Building - Ground floor Make up Concrete		Please provide thickness of make up concrete.	The Thickness of make up concrete was added. Refer to sheets NSRP-DWG-OCC-AR-3123 to 3124, rev 21.3.
S-07		Volume 2 Electrical Bid Drawings	NSRP-DWG-DSP-EL-5081	Depot Sectioning Post Access Control System		Depot Sectioning Post Access Control System as per Single Line Diagram is connected to SCADA only. 1. Please confirm if this is not to be interfaced to BMS 2. SCADA is part of scope.	1. SCADA only. 2. SCADA is excluded from the scope of work. E&M scope of work.
S-07		Volume 2 Specifications TS 700	122 NSRP-DWG-OCC-EL-5290	TS 713 Building Management System TS 713.2.7 Building Management System (BMS)	TS 713.2.7 Building Management System states that Ventilation Fans shall be Centralized Monitoring and Control, while I/O Requirements, as stipulated in the bid drawing, requires to be Alarm Status only.	Kindly confirm if Ventilation Fans shall be controllable by BMS.	Ventilation fans shall be controlled by BMS in OCC. Sheet NSRP-DWG-OCC-EL-5290 will be revised and issued as v21.3
S-04		Volume 2			NSCR-DWG-ALA-ME NSCR-DWG-MUN-ME	Please clarify if the ACUF for SER and TER, would need to be Precision Airconditioning Units. If not, please specify what specific split type (Downblast or Freeblow) units are preferred for this area.	For stations, AC is ordinary type (DX Type) Free Blow Type Indoor Unit, 150% Capacity with 1 Back-up & 1 Duty.

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S-04		Volume 2		Environmental Management Fund	Bill of Quantities - GS 118 Environmental Management	Table 10.1.1 of the Environmental Impact Statement Report shows that securing fund for the EMP implementation falls on the DOTr, not the Contractor. Please clarify therefore the amounts to be priced in by the Contractor for the following pay items GS118(5.1) to (5.5) of the BOQ.	<i>1)The cost includes what the Contractor will commit to implement the environmental management measures that will be contained in their CEMMP, which will be an amplification of the EMP in the EIS. 2)Please refer to the General Specifications (GS), Section GS118, Sub-Section GS118.9; Clause 118.9.4. Please also refer to the other applicable provisions of the GS118."</i>
S-05		Volume 2			NSCR-DWG-SRO-ME NSCR-DWG-SPO-ME NSCR-DWG-PTA-ME NSCR-DWG-BIN-ME	Please clarify if the ACUF for SER and TER, would need to be Precision Airconditioning Units. If not, please specify what specific split type units are preferred for this area.	<i>For stations, AC is ordinary type (DX Type) Free Blow Type Indoor Unit, 150% Capacity with 1 Back-up & 1 Duty.</i>
S-05		Volume 2			NSCR-DWG-PSS10 NSCR-DWG-PSS11 NSCR-DWG-PSS12 NSCR-DWG-PSS13 NSCR-DWG-PSS14	Please confirm if the transmission of the "failure" or "discharge" signal from the FASSP to the OCC(Via SCADA) is wireless or wired.	<i>Please refer to NSRP-DWG-PSS-10-14 FS-6608, 6611 Rev 21.3.</i>
S-05		Volume 2		Environmental Management Fund	Bill of Quantities - GS 118 Environmental Management	Table 10.1.1 of the Environmental Impact Statement Report shows that securing fund for the EMP implementation falls on the DOTr, not the Contractor. Please clarify therefore the amounts to be priced in by the Contractor for the following pay items GS118(5.1) to (5.5) of the BOQ.	<i>1)The cost includes what the Contractor will commit to implement the environmental management measures that will be contained in their CEMMP, which will be an amplification of the EMP in the EIS. 2)Please refer to the General Specifications (GS), Section GS118, Sub-Section GS118.9; Clause 118.9.4. Please also refer to the other applicable provisions of the GS118.</i>
S-06			NSRP-DWG-V1A06-ST-0035, NSRP-DWG-V1A06-DR-0170, NSRP-DWG-BR215-ST-00220*	Dimensions		There seems to be inconsistencies in the Approximate distance of the existing Truss Bridge relative to the proposed arch abutments as show in the DWG No. ST0035 , DWG No. DR-0171 and ST-0021 Compared to NSRP-DWG-BR215ST-00220. Please confirm what shall govern. and clarify if the abutment of the Truss Bridge is supported on piles or not.	<i>Refer to sheet NSRP-DWG-BR215-ST-0022 issued/updated as Rev 21.3. The location of the existing bridge moved according to the topographic survey.</i>
S-06		Volume 2			NSCR-DWG-CAB-ME NSCR-DWG-BAN-ME NSCR-DWG-CAL-ME	Please clarify if the ACUF for SER and TER, would need to be Precision Airconditioning Units. If not, please specify what specific split type units are preferred for this area.	<i>For stations, AC is ordinary type (DX Type) Free Blow Type Indoor Unit, 150% Capacity with 1 Back-up & 1 Duty.</i>
S-06		Volume 2			NSCR-DWG-PSS15 NSCR-DWG-PSS16 NSCR-DWG-PSS17 NSCR-DWG-PSS18	Please confirm if the transmission of the "failure" or "discharge" signal from the FASSP to the OCC(Via SCADA) is wireless or wired.	<i>Please refer to NSRP-DWG-PSS-15-18 FS-6608,6611 issued as Rev 21.3</i>
S-06		Volume 2		Environmental Management Fund	Bill of Quantities - GS 118 Environmental Management	Table 10.1.1 of the Environmental Impact Statement Report shows that securing fund for the EMP implementation falls on the DOTr, not the Contractor. Please clarify therefore the amounts to be priced in by the Contractor for the following pay items GS118(5.1) to (5.5) of the BOQ.	<i>1)The cost includes what the Contractor will commit to implement the environmental management measures that will be contained in their CEMMP, which will be an amplification of the EMP in the EIS. 2)Please refer to the General Specifications (GS), Section GS118, Sub-Section GS118.9; Clause 118.9.4. Please also refer to the other applicable provisions of the GS118.</i>

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S-04		Section 4 Bidding Forms Quality Management			ISO 9001:2015 States that if the Bidder is a Joint Venture, the lead partner shall be so certified.	Can the Lead Partner use its Affiliate or Parent Company's ISO 9001:2015 Certification to meets this requirement?	<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-04	1	Section 1.2.3.4 Project Administration Matters (Principal Aspect 4)	EQC 12	4.5 BIM & CMMS Implementation	(3) Strategy for implementation of CMMS for asset listing and tagging	Please clarify extent of CMMS - Will you provide the list of equipment for the assets and tagging?	<i>Yes. CMMS will provide and consolidate assets tagging list from respective contractors during construction stage.</i>
S-04	2	TS 500	TS 500	TS 500 - Architectural Works	Attic Stock	We have not found any requirements for materials attic stock in the specifications. Please clarify.	<i>Attic Stock or Spare Materials under Section 537 (Tiles - Ceramic, Quarry and Terrazo) and 538 (Resilient Flooring) of TS 500 were already issued last March 23, 2021 (Bid Query #2582, Batch 8).</i>
S-07		Section 4 Bidding Forms Quality Management			ISO 9001:2015 States that if the Bidder is a Joint Venture, the lead partner shall be so certified.	Can the Lead Partner use its Affiliate or Parent Company's ISO 9001:2015 Certification to meets this requirement?	<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-07		Drawing		NSRP-DWG-DEP-RD-1924 NSRP-DWG-DEP-ST-4001		Please confirm compressive strength for retaining wall bored pile and buildings bored pile are 40MPa and 36MPa respectively.	<i>For the building bored piles of the depot, the compressive strength is 36 Mpa while the compressive strength for the perimeter wall for the depot is 40MPa.</i>
S-07		BOQ	-	Bill no. 4-1.1 item D555(4) Bill no. 4-1.1 item D555(5) Bill no. 4-1.1 item D555(8)		Please provide detail of the following: DS4: 200mm x 280mm, Door Sign DS5: 200mm x 280mm, Door Sign WS3: 400mm x 100mm, Wall Mounted Sign	<i>There is no signage schedule for DS4, DS5 based on LRS Schedule of Signage. WS3: 300mm x 100mm were provided in NSRP-DWG-LRS-AR-3701 rev21.3</i>
S-07		BOQ	-	Bill no. 4-1.1 item D501(1)		Please provide plan showing the 60mm thk light weight cement panel and the sizes, shapes and cuts of the panels to be used.	<i>Sheet NSRP-DWG-OCC-AR-3314 to be revised. Description of pay item shall be revised under Addendum 3.</i>
S-07		BOQ Drawing	-	Bill no. 4-1.1 item D550(1)a - d NSRP-DWG-OCC-AR-3611		There is a conflict in the description of D10-partition wall. The door schedule as per drawing and BOQ described as "Bi-fold partition wall" (accordion type) and "Folding partition wall" respectively. Please verify.	<i>The BOQ shall be revised for the appropriate work item description of D10. Updated / revised BOQ to be issued as Addendum 3.</i>
S-07		BOQ	-	Bill no. 4-1.1 item D510(2)		Please provide plan and detail/specs of High Impact Laminate Sheet (Counter Top).	<i>Refer to NSRP-DWG-OCC-AR-3421 rev21</i>
S-07		BOQ	-	Bill no. 4-1.1 item D518(2)		Please provide plan showing the cross section of the T=100mm, Rockwool Insulation with glass cloth	<i>Refer to partition plans NSRP-DWG-OCC-AR-3831 to AR-3834 rev21</i>
S-07		BOQ	-	Bill no. 4-1.1 item D520(1)		Please provide plan showing the cross section of the Exposed structure with 100mm thk Non Combustible insulation	<i>100mm thk Non-Combustible insulation are applied to the ground floor slab soffit and fifth floor slab soffit. Refer to NSRP-DWG-OCC-AR-3313, AR-3314 rev21</i>
S-07		BOQ	-	Bill no. 4-1.1 item D503(1)	T=50mm, Pebble Washout Finish	Please provide details of T=50mm, Pebble Washout Finish	<i>Pebble washout is applied in ramps. Refer to NSRP-DWG-OCC-AR-3439 rev21</i>
S-07		BOQ	-	Bill no. 4-1.1 item D504(2)	Architectural Interlocking Concrete Block Paver	Please provide details of Architectural Interlocking Concrete Block Paver	<i>Refer to NSRP-DWG-DEP-AR-3514 rev21.3</i>
S-07		Drawing	-	NSRP-DWG-DEP-DR-2007		Please provide schedule of drainage structures for Road 8.	<i>The schedule of drainage structure was already shown on the typical section under drawing DR-2710, while outlet elevations of similar 250mmØ pipes were shown in DR-2422 to 2425.</i>

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S-07		Drawing		NSRP-DWG-LRS-AR-3462 Bill no. 4-1.2/C.2/D506(3)b		Please confirm if the highlighted on the drawing as shown, refers to BOQ item D506(3)b "Stainless Steel Gratings for Maintenance Stair". Also please provide detailed drawing of stainless steel gratings stair treads.	<i>Yes, confirmed. Refer to NSRP-DWG-LRS-AR-3461 rev21 S</i>
S-04		GBB 7 & Section 8 of PCC	16/47 PCC Page 10	Part B – Specific Provision	<p>"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</p> <p>& Reply to Queries: <i>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. Ad measurement is the measurement of change from the Detailed Design to the revised designs as instructed. This will not require wholesale remeasurement.</i></p>	<p>With referennce to the "ad-measurement" of the contract since the execution of the ad-mesaurement is creating an uncertainty and makes grey area for the bidders, it's seen that all the possible competitors are adding some percentage of additional contingencies. We believe that this will result for a high bid prices for the tender.</p> <p>Therefore, considering the "Detailed Design and the Bills of Quantities have been measured to reflect the Detailed Design" there will be no harm to the employer to change this contract type from "Ad-measurable" to regular re-measurable contract, which will be the best interest of the employer allowing the bidders not to consider additional contingency for the possible measurement differences.</p> <p>Accordingly we kindly request to change the type of the contract from ad-measurement to re-measurement.</p>	<p><i>Request is declined. This will be an ad-measurement contract.</i></p> <p><i>The quantities in the BOQ are accurate and measured from Detailed Design. Admeasurement is the measurement of change from Detailed Design to revised Detailed Design and/ or Variations as instructed by the Engineer. 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	Volume 1 & Section 3	EQC 23 EQC 24	2.4. Construction Experience	<p>2.4.1 Contracts of Similar Size and Nature (...) Notes : (ii) The substantial completion shall be certified by the Engineer or the Client. The Applicant shall obtain a substantial completion certificate from the Engineer or the Client and attach to Form EXP-1. Substantial completion is defined as when eighty percent (80%) of the project cost has been certified</p> <p>2.4.2 Construction Experience in Key Activities Requirement : For the above or other contracts executed during the period stipulated in 2.4.1 above, a minimum construction experience in the following key activities: (...) 3. Viaduct works for Railway or Road (Expressway or Motorway) more than 4 km using precast segmental span by span techniques. Relevant works will also include bored or precast piling and construction of reinforced concrete pile caps and piers.</p>	<p>Bidder would like to seek futher clarification in regards to the referenced requirement:</p> <p>-Would a substantially completed experience shall be considered satisfactory for the requirements in 2.4.2?</p> <p>-if Yes, is latest interim progress certificate (of more than 80%) shall qualify as "substantial completion certificate from the Engineer or the Client"?</p> <p>-We are currently working on a 9 km precast segmental span-by-span construction project with > 80% certified progress and is planning to include them as fulfillment to the key activities #3, kindly advise the required supporting documents for the EXP-1 form.</p>	<p><i>1) Substantially completed experience of more than 80% will be considered for the requirements in 2.4.2.</i></p> <p><i>2) Any certificate signed by the Engineer and the Client shall prove the project has been substantially completed.</i></p>