



**General Bid Bulletin No. 23
25 August 2021**

RESPONSES TO CLARIFICATIONS

IFB No. 21-058-5; South Commuter Railway Project for Package Number CP S-03b; Civil Engineering, Tunnel and Building Works for Approximately 6.1km Railway with 4.7km of Underground Railway and 1.4km of At-Grade Railway, Including FTI Station and Tunnelling Works to Connect to MMSP Senate Station

TO ALL PROSPECTIVE BIDDERS:

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

1. Annex "A" – CP03B Responses to Clarification Requests (Batch 9 to 11)

For the information and guidance.

For the Bids and Awards Committee V,

(SGD)
JULIUS M. SANTOS
Chairperson

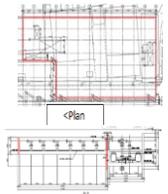
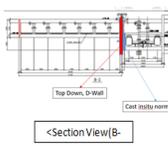
South Commuter Railway Project for
Package Number CP S-03b
General Bid Bulletin No. 23
Responses to Clarifications

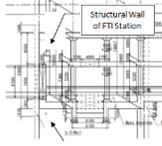
General Bid Bulletin No. 23
 CP-S03B Responses to Clarification Requests (Batch 9 to 11)

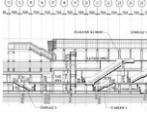
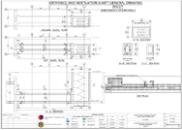
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporated in Bid Document (version)	Published	Included in (GBB No.)
1						Please kindly provide the Design Report for the Employer's design scope of S-03b in order for bidders to better understanding.	<p>The Contractor's design scope for the Design and Build portion is limited to developing the current basic design for Building Works, comprising of certain above-ground structures and architectural fit-out works in the underground station, as well as MEP systems in certain sections of the underground station.</p> <p>To assist the Bidders to understand the demarcation between the Build-only scope and the Design-and-Build scope a set of drawings that show the boundaries between the Works have been prepared.</p> <p>As the scope of the design scope is limited the information requested for design reports, design rationale and/or design criteria regarding inter alia station sizing and fire-and life strategy is not required by the Bidders at this point.</p> <p>A memorandum clarifying the Employer's Technical Requirements for the design requirements for the Design-and-Build scope is also prepared.</p> <p>The demarcation drawings and memorandum will be provided as an appendix to the Scope of Works in Bid Addendum 3.</p>				
2	Vol. 1A	Section 4A Bidding Forms - Bill of Quantities	87/91	PRICE SCHEDULE A - STATION BUILDING WORKS	A2. CONSTRUCTION WORKS FOR STATION BUILDING WORKS A2.1 FOUNDATION A2.2 SUPERSTRUCTURE	The structural works for FTI station (underground) shall be covered in two separate bills: Bill No. 7 "STATION CIVIL STRUCTURE WORKS (UNDERGROUND)" and Price Schedule A "STATION BUILDING WORKS", as per the nature of the design responsibility. However, the drawings provide no clear demarcation between the above two works. In such a way, part of work might be double counted or omitted. Please detail drawings depicting the demarcation between the civil structures (Build only) and the building/architectural Structures (D&B) for the Station Building.	The demarcation drawings and memorandum will be provided as an appendix to the Scope of Works in Bid Addendum 3.				
3	Vol. 2	Section 6 II Drawings	NSRP-GN-CE-CD-0016	PACKAGE CP-S-03b- GENERAL NOTES AND COMMON DETAILS		For the TBM Trough Deck, the referred drawing details only its front section whereas the Evacuation Passage is detailed in sections and plans as well. Please provide such details for TBM Trough Deck.	<p>The Trough Deck will be removed and the revised drawings are revised and will be issued with Bid Addendum 3.</p> <p>In addition, "Trough Stand" will be removed from Bill No.4 Item 2100(7) and UTS 2100 in the BOQ Bills provided in Bid Addendum 3.</p>				
4	Vol. 3	Section 8 The Particular Conditions of Contract (PCC) Part B - Specific Provisions	PCC 16&17	Part B - Specific Provisions 4.7 & 4.12	<p>Part B - Specific Provisions 4.7 The Resettlement Action Plan is in Appendix 7 Environmental Management of General Specification, Annex E.</p> <p>Part B - Specific Provisions 4.12 "which were not considered in the Environmental Impact Statement, the Environmental Management Plan or Resettlement Action Plan attached hereto as Annex-F, Annex-B, and Annex-E in Appendix 6 Environmental Management of General Specification."</p>	Please provide "Resettlement Action Plan" and please confirm the document is attached into Appendix 6E not Appendix 7, Environmental Management.	Bidder is advised that RAP for CP S-03a, b and c is under development and will be shared with the successful bidder after Award.				
5	Vol. 3	Section 8 The Particular Conditions of Contract (PCC) Part B - Specific Provisions	PCC 10	Part A, Attachment-2 SCHEDULE OF INSURANCES	<p>Deductible (any one occurrence): US\$ 250,000 in respect of Earthquake, Volcanism, Tsunami, Storm, Cyclone, Flood, Inundation, Land Slide. US\$ 100,000 in respect of other losses</p>	As per local research in the insurance market of Philippines, it was advised that the CAR insurance, which the Deductible amount is less than US\$ 350,000 with the condition that Employer's Risk to be included, is not able to be effective and maintainable. Therefore, please consider as to whether the condition for the deductible amount is able to be increased or not.	<p>Bidder's comments are noted, the deductibles for Earthquake, Volcanism, Tsunami, Storm, Cyclone, Flood, Inundation, Land Slide will be amended to US\$ 350,000.</p> <p>This will be amended in Bid Addendum 4</p>				
6	Vol. 2 Part II	Section 6 General Specifications	GS 98	GS 130.2.1 & 130.2.2	<p>GS 130.2.1 The Contractor shall remain fully liable for all deductibles and amounts in excess of the coverage actually realized.</p> <p>GS 130.2.2 Insurance against the risks identified within sub-clauses I (g) and (h) of Clause 17.3 [Employer's Risks].</p>	The clause GS 130.2.1 is interpreted as that the clause is only applicable for the events which the Contractor causes and results the insurance to be effective. Therefore, in any events arose which are identified within (c), (g) and (h) of Sub-Clause 17.3 [Employer's Risk], please confirm that the deductibles and amounts in excess of the coverage actually realized shall be the Employer's responsibility.	<p>Bidder is informed the following has been amended in GCC Clause 18.2 (d) refers to the insurances for the Employer's Risks identified in Sub-Clause 17.3, (c), (g) and (h). The maximum amount of deductibles for insurance of the Employer's risks (Contract Data) have been revised as follows: GCC 17.3(c) - Riots, Commotion and Disorder - 5% of Loss or USD 150,000 maximum per occurrence, whichever amount is greater GCC 17.3(g) - Employer's Design Risks - 10% of Loss or USD 350,000 maximum per occurrence, whichever is greater GCC 17.3(h) - Natural Catastrophes - 10% of Loss or USD 350,000 maximum per occurrence, whichever is greater.</p> <p>The change is included Bid Addendum 1</p> <p>The Bidder is to make his own interpretation of the insurance provisions in the bidding documents. GCC Sub-Clause 18.1 states "Any amounts not insured or not recovered from the insurers shall be borne by the Contractor and/or the Employer in accordance with these obligations, liabilities or responsibilities."</p>				
7	Vol. 2	Section 6 II Drawings		CP-S-03b Book-1 Civil Drawings	NSRP-GN-CD-CE-0022-0024	In the referred documents, the bidder found soldier pile general drawing and soldier pile removal general drawings. In this regard, it is assumed that temporary piling, bracing and decking design was performed by the Employer. Please provide the Bidders with the related drawings.	<p>The referred soldiers piles are king posts and are for reference purpose only. The kingposts shall be designed by the Contractor and are subject to approval by the Engineer.</p> <p>The drawing NSRP-GN-CE-CD-0018, 0022 - 0024 will be amended accordingly and issued as Revision 21.3 with Bid Addendum 3.</p>				

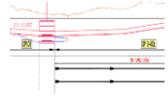
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate in Bid Document (version)	Published	Included in (GBB No.)
18	Vol. 2	Section 6 II Drawings	Varies	PACKAGE CP 5-03b: ALIGNMENT PROFILE AND PLAN (22k265m450 to 27k095m800)		<p>Having reviewed the referred drawings and the corresponding google images, the Bidder found various structures which appear to have deep foundation that may impact on the proposed TBM Tunnel, as follows:</p> <ul style="list-style-type: none"> - Metro Manila Skyway Viaduct: 22k420 – 22k400 (60m) - Condominium(SF): 22k550 - Golf Course Canal: 22k590 - Sales Road Viaduct: 22k420 – 22k460 (40m) - Structures in Air Base: 22k460 – 24k460 (1,000m) - Highway Zline + PNR + CS-Extension(W:170m): 24k460 – 25k100 (640m) - Tagaytay District Hospital: 25k040 – 25k120 - Technological University of Philippines: 25k280 – 25k330 (50m) - Condominium(4F): 25k370 – 25k460 (90m) - Fuel Station: 25k480 – 25k500 (20m) - C-6 Overpass 1, 2, 3: 25k560 – 25k840 (180m) <p>A drawing set that marks up the above findings is attached herewith for your ease of reference. It is imperative for the bidder to obtain such details for reviewing the settlement impact on those structures. Please provide such details.</p>	<p>Detailed geotechnical information was provided to bidders as part of Bid Addendum 1. The following important structures that were considered to have an impact during design preparation were collected and provided to the bidders as part of Bid Addendum 2, Manila Skyway, SLEX, C5, C6 and the Villamor Golf Course Canal. The other low/medium-rise structures listed were not considered by the designers to be impacted by the S-03b tunnels, however, searches are being undertaken to establish whether details are available for these structures and will be attached to Bid Addendum 3, if available. The bidder is reminded to carry out its own geotechnical and other investigations in this connection.</p> <p>For further information for the Bidder: An assessment has been carried out to verify the clearance between the piles and the tunnel structure. This document will be provided as Site Data (Assessment Pier Clearance) and for information only with Bid Addendum 3.</p>				
19	Site Data	03. SRP Site Data Utilities Database and Drawings				Utilities Database and Drawings for MMSF Tunnel is not provided whereas that of NSRP exists in the Site Data. Please provide the details (incl. alignment and profiles) of the existing utilities along MMSF tunnel alignment plan.	Employer will not provide the drawings for the existing utilities along the tunnels between senate and FTI station.				
20	Vol 2 / Part II	Sec 6 / IEI / Underground Technical Specification (UTS)	145	2012 Instrumentation and Monitoring	This clause shall consist monitoring of Station Structure including Launching or Arriving Shaft, and TBM Tunnel.	No detailed design drawings for the instrumentation plan of launching / arriving shaft, and TBM tunnel are not provided in ITR documents. Please clarify whether the detail design of instrumentation plan of launching / arriving shaft, and TBM tunnel is under the scope of work by contractor.	Yes, the detailed design of the instrumentation plan is to be carried out by the Contractor. Reference is made to the UTS 2000-2100, Section 2012 Instrumentation and Monitoring				
21	Vol 2 / Part II	Sec 6 / IEI / Underground Technical Specification (UTS)	147	2012.4.2 Monitoring of Adjacent Structure	The contractor shall conduct monitoring of adjacent structures upon commencement of the work and it shall be continued until hand over or such a time as it is mutually agreed that movement caused by the Works has ceased or its speed has become negligibly small.	There are a lot of adjacent structures such as buildings and viaducts within the influence zone by tunnel excavation work. Drawings of instrumentation plan are required to conduct monitoring of adjacent structures. Please provide the drawings of instrumentation plan of adjacent structures.	The bidder is reminded to carry out its own geotechnical and other investigations in this connection.				
22	Vol 2 / Part II	Sec 6 / IEI / Underground Technical Specification (UTS)	185	2100.14.1 Method of Measurement	(a) ... The rate shall also cover grouting between the segment and the soil, removal of any obstructions in front of the TBM, measures for prevention of water infiltration and collapse at face of tunnel and temporary measures to be taken for launching and arriving of TBM without collapse of the retaining wall by ingress of water.	We understand that chemical grouting shall be conducted for temporary measures to be taken for launching and arriving of TBM without collapse of the retaining wall by ingress of water. But the design of chemical grouting for launching and arriving of TBM are not provided in ITR drawings. Please clarify whether the design of chemical grouting for launching and arriving of TBM is proposed by tenderer.	Ground treatment and all other temporary measures for the construction of the TBM tunnels shall be proposed and conducted by the bidder/contractor. Bidder shall provide details to demonstrate their proposed methods and scope within the bid submission. The bid price shall be deemed to include all temporary measures to complete the work.				
23				Station Excavation		On what basis is the underground structure designed - top down or bottom up construction?	The Engineering design has been conducted with the following basis: Top down for station up to Grid 114. Bottom up for widened concourse section and beyond Grid 114				
24	Volume 2	Section 6 Outline Design Specification	ODS 6 & 7	Clause 3.2		<p>The referenced clause makes reference to structures above the station structure to be "designed and constructed by the Contractor" along with references to the Contractor "shall ensure the station box below is structurally safe ...to bear the loads imposed by the proposed building above" and "the Contractor shall propose the most suitable type of the building foundation".</p> <p>This would appear to be at odds with other Bid Documents that limit Contractor's Design responsibility in relation to the Underground Station to the Building Works (Architectural Works & Finishes) and the Electrical & Mechanical Works.</p> <p>Please confirm that in relation to the Underground Station and all associated structures e.g. access tunnels, vent shafts etc. that the Contractor's Design responsibility is limited to the Building Works (Architectural Works & Finishes) and the Electrical & Mechanical Works only.</p>	The Contractor's design scope for the Design and Build portion is limited to developing the current basic design for Building Works, comprising of certain above-ground structures and architectural fit-out works in the underground station, as well as MEP systems in certain sections of the underground station.				
25	P2,S6,H(DWG),31Mar2021, 04_Civil,FTI					Entrance 1 & 2, Emergency Staircase & 2 and Ventilation Shaft: General arrangement drawings are provided in referenced drawing package but no reinforcement details are provided. Please clarify	To assist the Bidders to understand the demarcation between the Build-only scope and the Design-and-Build scope a set of drawings that show the boundaries between the Works have been prepared.				
26	CP 5-03b,Vol2, Scope of works		page 13	Item 2.1.1	Preparatory Works	The activities of CP 5-03b inception will be preceded by other contractor's tasks. How long it would take for the execution of this relocation, demolition, and construction of temporary stations as planned? Kindly provide a Site Delivery Access Schedule.	The relocation, demolition and construction of temporary stations shall be completed before the commencement date of the contract. Bidder is referred to the Site Access Delivery Schedule published in Bid Addendum 3 and the Project Implementation Schedule published with Bid Addendum 2.				
27	Volume 2	Section 6.IB	114 of 153 (GS 101)	GS 131 - Works in the Vicinity of Existing Operations Philippine National Railway	Sub-clause 131.1 - General, Second Paragraph: Activities in the vicinity of any PNR line shall be carefully planned and applications for permission to carry out the activities shall be submitted to the PNR. The activities shall only be carried out after permission is obtained from the PNR and the Engineer	Kindly specify estimated time/duration of receiving response (permits) from the PNR and the Engineer	PNR requires approx. 28 days to respond to any application. The Engineer will require PNR approval to be included in any application that requires the Engineer's approval. The response of the Engineer is in accordance with the provisions in the Conditions of Contract.				
28	Volume 2	Section 6.IA	13 of 37 (ER 11)	Sub-clause 2.1.1 - Preparatory Works/Enabling Works	n) Demolition of buildings, structures and obstruction existing in the area handed over to the Contractor and removal/disposal of any material or wreckage.	Please confirm that demolition materials of buildings, structures and/or obstructions mentioned in this sub-clause are goods of the Contractor	Demolition of bldgs., structure and obstruction existing in the area handed over to the contractor and removal/disposal of any material or wreckage. As per Technical Specification 202.3.2 (Removal of Existing Bridges, Culverts, Concrete Box Culverts, and other Drainage Structures), All sections of structures removed which are not designated for stockpiling or re-laying shall become the property of the Government and shall be removed from the project or disposed of by the Contractor in a manner approved by the Engineer. When referring to salvage, as per Technical Specification 202.3.5 Materials to be salvaged under the contract documents, either for reuse in the project or for future use by the Employer, shall remain the property of the Employer and shall be carefully removed in transportable sections and stockpiled near the site at a location designated by the Engineer. The Contractor shall restore or replace damaged or destroyed material without additional compensation.				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
29	Volume 2	Section 6.IA	14 of 37 (ER 12)	Clause 2.2 - Civil Engineering Works	Excavation Works At-grade (Main Line, Station - At Grade, Underground (Tunnel, Station Plaza, Underground Pedestrian Passage Way, Station - Underground), Road Works and Drainage System	Please confirm that materials excavated during civil engineering works are the goods of the Contractor	For Excavated materials, all materials excavated shall be utilized as provided in Technical Specification 102.2.3, and/or Technical Specification 201.3. As per Technical Specification 102.2.3 (Utilization of Excavated Materials), All suitable materials removed from the excavation shall be used in the formation of the embankment, subgrade, shoulders, slopes, bedding, and backfill for structures, and for other purposes shown on the Drawings or stake by the Engineer. Additionally, as per Technical Specification 201.2.3 (Utilization of Excavated Materials), All excavated materials, so far as suitable, shall be utilized as backfill or embankment				
30	Volume 1A	Section 4A		Bill of Quantities No.1 (BOQ No.1), GS18 - Environmental Management & Bill of Quantities No.11 (BOQ No.11), Schedule of Provisional Sums	GS118(4): Time related charges for Archaeological Monitoring & PS-1: Archaeological 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).	Archaeological monitoring works are given as part of Provisional Sum (PS) Works in BOQ No.11, PS-1 however, time related charges for archaeological monitoring are given as Lump Sum (LS) in BOQ No.1, GS118(4). Kindly clarify the coverage of each Pay Item if both are individual works and please also clarify if time related charges for archeological monitoring might be considered as part of Provisional Sum (PS) works as well	The BOQ Pay Item for Archaeological Monitoring covers the Chance Find Procedure described under GS118.7.6, and the Archaeology Monitoring: Accidental Discoveries of National Importance Plan described under GS118.7.7. The Provisional Sum for Archaeological Monitoring Works (PS-1) are intended to cover any fees and/or charges and fees imposed resulting from measures and/or works deemed necessary in the event of discovering archeological interest on site. Any discrepancy between the BOQ and the GS references will be amended / revised in the respective Bidding Documents with Bid Addendum 3				
31	Volume 1, Section 4 & Volume 1, Section 2		15 of 62 (BP 11) & 27 of 65 (BDS 1)	Bidding Forms (BDF), Bid Security (Bank Guarantee) & Bid Data Sheets (BDS), A.General	First Paragraph: "... Works for approximately 6.1km of Railway with 4.7km of Underground Railway and 1.4km of at-Grade Railway, including FTI Station and Tunneling Works to connect to MMSP Senate Station, under invitation for Bids No. (please specify) ("the IFB")." & ITB 1.1. The number of the Invitation for Bids (IFB) is: None	In order for the Contractor to write in Bid Security, the Employer is kindly requested to specify Invitation for Bids Number since it is not given in Bid Data Sheets, ITB 1.1. (instead, it is indicated as "None")	The Invitation for Bids for this Project is FB21-058-5.				
32	Site Data (shared via GBB.5 dated 11 May 2021 for a guidance and information) & Volume 1, Section 2		28 of 65 (BDS 2)	The following Subfolders of the Site Data: 05. Resettlement Action Plan 15. DPWH Structures Interface 18. Risk Register Available Land, & "Tree Cutting / Relocation from PNR / Private Land" document which is mentioned in ITB 6.5		The Subfolders listed herein are available in the Site Data however, there is no document could be found in each (they are empty) therefore, the Bidder would like to ask availability of these documents Moreover, there is also a document named "Tree Cutting / Relocation from PNR / Private Land" which is mentioned in ITB 6.5 however, this document could also not be found in the Site Data; kindly advise for the availability of this document as well	<ul style="list-style-type: none"> - Topographic Survey Drawings - included in Site Data - Hydrology Report - included in Site Data - Bidder is advised that RAP for CP S-03a, b and c is under development and will be shared with the successful bidder after Award. - Schedule of Demolitions Due to RAP is not listed as available Site Data - Tree Cutting/Relocation from PNR/Private land has been omitted from Site Data. Tree Inventory Survey Data has been provided to Bidders, in addition reference is made to the Provisional Sum for Enabling works, including tree cutting works. - DPWH Structure Interfaces - Reference is made to Site Data provided with regards to SLEX C5 and C6. - Risk Register - will be made available with Bid Addendum 3 - Available Land - Mapping - If there is any information available it will be provided to the Bidder with Bid Addendum 3. However, at this moment Employer has no other information available for Bidder. It is Bidder's responsibility to carry out their own assessment. Employer intention is to provide information and clarification to Bidder if available. 				
33	Drawings					Considering the design of the tunneling works is not in the scope of the contractor. The bidder is requesting the Drawings for TBM - NATM interactions.	Employer does not require NATM methodologies to be used. It is up to Contractor to determine the most effective construction methodology for inter alia the cross passages. Contractor will have to provide the method statements including the interactions with the TBM works				
34	Site Data			Any possible existing piling along with the Tunnel alignment		We could not find any information with regard to the existing underground structures along with the tunnel alignment. We kindly request the necessary information and drawings for any existing underground structures, water wells, piles, foundations of existing viaducts & etc, which may interact with the TBM Tunneling works.	<p>Detailed geotechnical information was provided to bidders as part of Bid Addendum 1. The following important structures that were considered to have an impact during design preparation were collected and provide to the bidders as part of Bid Addendum 2, Manila Skyway, SLEX, C5, C6 and the Villamor Golf Course Canal. The other low/medium-rise structures listed were not considered by the designers to be impacted by the S-03b tunnels, however, searches are being undertaken to establish whether details are available for these structures and will be attached to Bid Addendum 3, if available. The bidder is reminded to carry out its own geotechnical and other investigations in this connection.</p> <p>For further information for the Bidder: An assessment has been carried out to verify the clearance between the piles and the tunnel structure. This document will be provided as Site Data (Assessment Pier Clearance) and for information only with Bid Addendum 3.</p>				

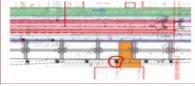
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporated in Bid Document (version)	Published	Included in (GBB No.)
35					Underground obstacles in the alignment of the proposed tunnel.	<p>Underground obstacles are vital to be identified as it may mean making interventions into the cutter head to remove/demolish such obstacles as well as pre-grout the area prior to this to limit any chances of settlement prior to the rings being installed, annulus grout setting and reaching the required strength prior to taking the load. A major concern would be what the ground conditions in these areas may be and would any interventions into the cutter head need to be under pressure causing them to be hyperbaric interventions. Hyperbaric interventions can be very costly and require a specialist company to carry out the works in 3 plus bar of pressure. This also goes for the changing of discs and rippers on the cutter head whenever the TBM may need these works. If the pressures are so high these works may have to be carried out by submersible divers. This can be very costly and to have these on hand in case repairs are needed to the cutter head the costs can be enormous.</p> <p>For package CP104 the DOTR had provided the following information for determining the obstacles:</p> <ol style="list-style-type: none"> 1. Topographical Survey Data <ol style="list-style-type: none"> a. Ground penetrating radar b. Orthophoto c. Topographic Survey report 2. Geotechnical Survey Data <ol style="list-style-type: none"> 3. List of Utilities 4. Urban Development Zoning Map 5. Extent for Dilapidation survey <p>We kindly request the consultants for these similar documents to identify the cost related to the risk identified above.</p>	<p>The following additional information will be provided as Site Data:</p> <ul style="list-style-type: none"> - Topographic Survey Data, including GCP, BM, Orthophoto - Geotechnical Survey Data - Urban Development Zoning Map - 100-year Flood Level - Traffic Assessment Survey Report - Extent for Dilapidation Survey <p>Employer will upload this information in advance of Bid Addendum 3</p>				
36	Volume 2		17 - 19	NSRP-DWG-FTI-AR-3102 to 3104	Basement 1	Is there a need for a separate PWD Lane @ Ticket Sale Booths and TVMs?	It doesn't have to be dedicated lane for PWD, how at least one booth needs to be provided which can be used by wheel chair users. Details will be incorporated in the IFC set of drawings. The Garbage Areas are not required in Basement 1.				
37	Volume 2		17 - 19	NSRP-DWG-FTI-AR-3102 to 3104	Basement 1	Is there a need to provide Seating Areas, Refuge Area, Trash Bins Area, Public Telephone booth, ATMs and Vending Machines area?	Seating Areas, Refuge Area, Public Telephone booth, ATMs and Vending Machines Area as highlighted in the Bid Query are not required in Basement 1. Details will be incorporated in the IFC set of drawings.				
38	Volume 2		16	NSRP-DWG-FTI-AR-3101	Ground Floor - Platform	Is there a need to provide Control room, Refuge Area, Trash Bins Area & Help Points for Handicapped? Not reflected @ Drawings	There is no need to provide Control Room, Refuge Area, Trash Bins Area and Help Points for Handicapped as it is no reflected in the Bidding Documents. Details will be incorporated in the IFC set of drawings.				
39	Volume 2		16	NSRP-DWG-FTI-AR-3101	Ground Floor - Platform	Is there a need to provide Tactile Hazard Markings/Warning Strips on stairwell landings? Not reflected on drawings	Tactile Hazard Markings / Warning Strips on stairwell landings need to be provided, Bidder is referred to revised drawings NSRP-DWG-FTI-AR-3515 - 3525 rev 21.3 which will be provided with Bid Addendum 3.				
40	Volume 2		16	NSRP-DWG-FTI-AR-3101	Ground Floor - Platform	Is there a need to provide emergency Exit routes signage?	As required under Section 10.2.5.12 "Exit Markings" of RA9514 emergency exit markings need to be provided.				
41	Volume 2		16	NSRP-DWG-FTI-AR-3101	Ground Floor - Platform	Is there a need to provide Yellow Line after the warning tactile strips? This will serve as waiting guide line for people	As per Bidding Documents this is currently not required.				
42	Volume 2		28	NSRP-DWG-FTI-AR-3113	Ground Floor - Entrance 3	Is there a need to provide Audible Indicators @ Escalators? Not indicated @ Drawings	The Bidders is referred to follow the issued specifications.				
43	Volume 2		28	NSRP-DWG-FTI-AR-3113	Ground Floor - Entrance 3	Is there a need to provide Braille signs or Braille Layout Map? Not indicated @ Drawings	There is no need to provide Braille signs or Braille Layout Map. Details will be incorporated in the IFC set of drawings.				
44	Volume 1 & 2		27 & 9	Bill of Quantities no. 5; NSRP-DWG-FTI-AR-3033	Floor Finishes	FF16- Different Specification between BOQ and FTI Station Finishes Sheet	FF16 --- 900 x 100 x 30mm thick Strip Granite is deleted in drawing NSRP-DWG-FTI-AR-3033, rev. 21.3, which will be provided with Bid Addendum 3.				
45	Vol. 2	Section 6 II Drawings	DRG No. NSRP-STN-CE-FTI-0002_0035	D-Wall		As referred in the left drawings for the Main Building, please clarify that the all surrounded in red colour is designed to construct the Diaphragm Wall.	Only the wall along the main station box (in the figure- the bottom wall) will be a D-Wall. All other walls i.e. left, right and top will have to be constructed cast in-situ in an open cut excavation with temporary works.				
46	Vol. 2	Section 6 II Drawings	DRG No. NSRP-STN-CE-FTI-0035	D-Wall		As referred in the left drawing for the FTI Station adjacent to the Main Building, please clarify that the blue coloured wall (right besides of the Main Building) is not the Diaphragm wall which means that this wall to be installed by a conventional in-situ concrete casting while doing top-down excavation.	Yes, this is correct.				
47	Vol. 2	Section 6 II Drawings	DRG No. NSRP-STN-CE-FTI-0032_0033_0037-0039	D-Wall	Sta.26k751m000 - Sta.26k917m000 (Section No. F-8, G-1-G-7)	Please confirm that the referred Sta.26k751m000 -Sta.26k917m000(Section No.F-8, G-1-G-7) is not designed to construct the Diaphragm Wall and top down method.	All other walls i.e. left, right and top will have to be constructed cast in-situ in an open cut excavation with temporary works.				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
48	Vol. 2	Section 6 II Drawings	DRG No. NSRP-STN-CE-F11-0026	Temporary D-Wall		In the referred drawing, the temporary D-Wall for TBM Launching shaft and the structural Wall of FTI Station appear to be performed duplicately in the view of structural system. Please clarify.	The end wall (referred to as Temporary D-wall) of the TBM launching shaft has a temporary function and is left in place. This end wall is redundant once the inner structural wall is cast.				
49	Volume 2	Section 6 IA - Scope of Works	ER-24 to ER 25	Clause: 2.7 Intermodal Transfer Facility	<p>It is expected that many passengers come to FTI station by bus, jeepney, UV Express/ HOV and other transport modes, and an open space must be developed to avoid traffic congestion at and around station as well as to ensure safety and convenience for passengers. Therefore, the Intermodal Transfer Facility has a key role for station users.</p> <p>Intermodal Transfer Facilities are composed of inter alia Loading and Unloading Space, bicycle parking, staff parking, service lane, fire lane and sidewalk improvement. Intermodal Transfer Facilities shall be developed only at the construction yards.</p> <p>The required facilities inside the Intermodal Transfer Facility are as follows:</p> <ol style="list-style-type: none"> Loading and unloading bay for bus, jeepney, UV Express/ HOV, taxi and private car; Bicycle parking; Public amenity areas; Pedestrian Walkway/ Sidewalk; Planting; Signage; Outdoor Lighting; Drainage; Water Supply System; Parking Lot for Station Staff; Service Lane; Fire Lane. <p>The Intermodal Transfer Facility is part of the Design & Build scope.</p>	<p>This is quite a general statement in the bid documents that the intermodal transfer facility is part of DBB scope. In order to make a proper assessment of the intermodal facilities requirement a full station context planning has to be done. Meaning you need to assess the bus, jeepney and taxi forecast for the station as well as the passengers arriving from the SCRP line. Then you need to consider in a radius of 1km all passengers that will be joining by foot and what obstacles they might find on their way. In order to make this assessment properly kindly provide the following information:</p> <ol style="list-style-type: none"> Ridership forecast during the day and in peak hour for the station identifying how many passengers will get on and off the metro The bus traffic forecast for the station per hour over a day identifying the peak The jeepney lines and forecast of number of jeepneys per hour over a day that will be arriving at the station The number of tricycles that will be arriving per hour over a day at the station The number of taxi's that will be arriving per hour over a day at the station Number of passengers coming by foot from a 360 degrees 1km radius identifying on a layout the number of pedestrians from each possible access route <p>Considering the large scope this entails in regards to layby lanes and signage and that it can also lead to numerous footbridges to become part of the contractors scope of work we consider it more fair for all contractors that this can be a DBB scope but priced with a fixed number of bus, taxi, jeepney, tricycle stops as well as fixed number of footbridges is provided by the DOTR. Anything that later comes out of the station context planning deduction or addition will be considered a change order. Please confirm.</p>	<p>The following information can be provided as clarification regarding the concerns raised:</p> <p>(a) Since TCITX opens at the north side of FTI Station along the East Service Road, MMSP will not provide any large scale transfer facilities at FTI Station along the East Service Road. There will be only small loading/unloading bays together with walkways.</p> <p>(b) Sidewalk/Walkway improvement in station catchment area not included in the scope. Any walkway development covers only from East Station Entrance to South Station Entrance.</p> <p>(c) As mentioned in (a), PUV's will use mainly TCITX.</p> <p>(d) As mentioned in (b), walkway development within 1km radius from the station is not part of the scope.</p> <p>(e) Footbridge development is not included in the scope of CP S-03b. There is a possible footbridge development between TCITX and FTI Station, but this will be designed, financed and developed by the respective developer.</p> <p>(f) The Employer has provided Traffic Assessment Survey Report in the Site Data and is preparing a guide how the D-B scope and requirements need to be interpreted to provide guidance to the Bidders and limitation of this D-B scope which will be included in Bid Addendum 3.</p> <p>(g) The D&B Scope refers only to the areas on the eastern side of the Station, the Western Plaza and Entrance 3 is part of the Build Only scope (and therefore not part of the Intermodal Transfer Facility Design and Build Scope) and does need to be further developed design wise.</p> <p>(h) Employer will emphasize the limitations of the scope in the Design and Build scope of the Intermodal Transfer Facilities in the Scope of Works document, which will be issued with Bid Addendum 3.</p>				
50	Volume 2			Drawings	NSRP-UT-CE-GN-0004 TBM ASSEMBLING METHOD (as seen in the Attachment 1)	As per drawing 04 NSRP-UT-CE-GN-0004 TBM ASSEMBLING METHOD.dwg, a space of 5 m by 10 m is foreseen for assembly and operation of the TBMs. We evaluate this space is not sufficient for this purpose. Can this area increased for 14 m by 16 m for a safer a more convenient assembly and operation of the TBMs.	The temporary opening for TBM launching and assembly is 10 m x 10 m as shown in NSRP-STN-CE-F11-0002. The drawings shown in construction planning are typical only. The Employer has no objection to the use of a temporary larger opening size provided that the integrity of the Permanent Works are not compromised in any way. After award, the successful Contractor can propose how to widen the opening for the duration of his construction activities. However, such a change will be Contractor's responsibility.				
51	Vol. 2 Section 6.IA - Scope of Works		ER16 - 17	2.2.3 Underground Civil Work	Additional surveys, geotechnical investigations and monitoring wherever required,	The referred clause specifies that additional surveys, geotechnical investigation and monitoring fall within the Contractor's scope of works. However these clauses are given for the Underground Station, Cut and Cover, and MMSP Bored Tunnel which are under build only contract. Please clarify.	The Bidder should refer to the various clauses in the General and Technical Specifications that refer to additional surveys, geotechnical investigations and monitoring. The Civil Contractor will be responsible to carry out additional boreholes as directed by the Employer. If any redesigns of the Permanent Works is necessary, this will be carried out by the Employer. The Contractor will also be responsible for carrying out a topographical survey and comparing this with the topographical survey produced by the Employer. The Civil Contractor is responsible to identify any utilities that have not been picked up in the survey undertaken by the Employer. Monitoring will be required as stated in the specifications and this will include monitoring of infrastructure, buildings, facilities that may be affected by the Works. It shall be used to verify the design parameters used in the Employer's design and to monitor the effect of the Contractor's Works on third parties. Of particular note is the monitoring of buildings adjacent to and above the underground works including FTI and the Tunnels.				
52	Vol. 2 Section 6 E1 Underground Technical Specifications (UTS)		146	2012.3 Preventive and Corrective Measure	The Contractor shall design and carry out preventive measures to minimize ground movement upon consent of the Engineer. The Contractor shall also propose and implement contingency plans in reference to Table 2012.4.3 when the ground movement is expected to exceed the agreed action level or indicate that final long term ground movement will exceed the expected values established in the Ground Movement Analysis Report.	The referred clause is one of the detail scopes for Instrumentation and Monitoring of the Station Structure including Launching or Arriving Shaft, and TBM Tunnel. The Bidder understands the referred structures are build only item and the Employer undertakes the design. However the specification obligates the Contractor to be responsible for design and implementation of preventive and corrective measure against ground movement. Please clarify.	It is confirmed that for build only items, the Contractor shall design and carry out preventive measures to minimize ground movement upon consent of the Engineer.				
53	Vol. 1A Section 4A Bidding Forms - Bill of Quantities		Varies	BILL OF QUANTITIES No. 7 PART A PREPARATION AND TEMPORARY WORK	2000(1) Temporary Works 2001(2) Temporary Road Diversion	Please provide the details for the referred temporary work for proper pricing, including: (1) Details of the scope that the items shall cover (2) Requirements of the proposed scope	Pay item 2001(2) will be removed, the requirements for Temporary Works as per UTS 2000 will be combined in one pay item in the BOQ. The revised BOQ will be provided with Bid Addendum 3. Bidder is referred to UTS 2000.2				
54	Vol. 2 Section 6 II Drawings		DRG No. NSRP-STN-CE-F11-0099	-	-	Please provide the details for Main Drainage Pipe PVC ø150 such as class, thickness, etc.	Drainage Pipe PVC ø150 and larger shall be class 34 and will be included in the BOQ provided in Bid Addendum 6.				

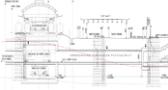
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporated in Bid Document (version)	Published	Included in (GBB No.)
55	Volume 1	Section 3	47 / 65	1.2.3.2. Implementation Proposals		Please clarify the details and production information regarding Girder is a typo. Please provide revised key factors to be considered.	Item 2) is amended to: A narrative giving comprehensive details of the production cycle including curing etc. including a brief description of the Quality Assurance system that will be adopted for all pre-cast works. Item 7) and 8) in 1.2.3.2. have been removed These amendments have been provided in Bid Addendum 2. The addition of the word "works" in item 2 will be added in Bid Addendum 3.				
56	GBB 6 Volume 2	Section 02, Drawings /	Page 15	CP 5-03b_02_FTI/ST / FTI STATION STRUCTURAL SECTIONS SHEET 4		* According to NSRP-DWG-FTI-ST-4211, there are two different elevation for the FTI Station. Top of rail is indicated that +20.50 for NSRP and +120.25 for MMSP. Could you explain the purpose of different heights given for the same elevation level?	Please refer to the note NSRP-DWG-VIA03b-RD-2002 MMSP has added 100 m to all their levels to avoid negative levels because of underground works The elevation levels will be rectified in the IFC drawings				
57	GBB 6 Volume 2	Section 02, Drawings /	Page 51	CP 5-03b_01_FTI/AR / FTI STATION LONGITUDINAL SECTION		* According to NSRP-DWG-FTI-AR-3304, there is a gap between the bottom of footing of NSRP and top of slab of MMSP. The gap is approximately 2m. How this gap is solved in terms of structural design is not clear. Could you explain or share more detailed drawings according to your expectations?	Refer is made to drawing NSRP-DWG-FTI-ST-4211 to 4214 which shows the top of the slab is NSRP EL +16.75 m and MMSP EL +116.50 m and the proposed Foundation Girders. The Foundation Girders structurally align the At Grade and Underground Station, however they do not structurally connect the two stations. There will be no Foundation Girders at locations where staircases, escalators and elevators are foreseen.				
58	Volume 2 Drawings FTI Station Civil Drawings			Missing Drawings		Please provide reinforcement drawings between G.L.73 and G.L. 114 for the tunnel box	The estimated quantity of the rebar is included in the BOQ. The reinforcement drawings will be provided in IFC set of drawings				
59	Volume 2	Section 6	ER 17	4) TBM Retrieval at Senate Station	The contractor of CP108, Two Underground Stations (Lawton and Senate) and Tunnels under Metro Manila Subway Project Phase 1 Project ("CP108 Contractor") will provide TBM windows for the retrieval of the TBMs at Senate Station in accordance with the requirements and specifications and through good Interface Management.	In order to better understand the interface management required, is the employer able to provide more detailed drawings of the structure of Senate station including location, size and position of openings to retrieve the TBMs, as well as access and preferred positions for cranes required?	Regarding the access and position for equipment, it will be necessary for the contractors to have interface meetings and finalize the usage condition after seeking approval from the employer. A drawing of Senate Station will be provided in the Site Data for information only and is included in Bid Addendum 3.				
60	Volume 2	Section 6	ER 17	4) TBM Retrieval at Senate Station	a) The Retrieval Shaft in Senate Station will be complete and free of encumbrances to facilitate the driving in of the Contractor's TBM, i.e. base slab cast, all struts removed, temporary services removed etc.	Drawing NSRP-UT-CE-GN-0002 TBM ARRANGEMENT indicates that the TBMs will arrive well above the base slab of the station. Therefore a substantial temporary support structure may be required. Is it the expectation of the employer that the CP503b contractor will design, procure and install this structure or will it be provided by CP108 or will there be a temporary permanent structure in place to allow the TBM to enter the station on that level?	The CP 5-03b Contractor shall identify the need for temporary support required for TBM retrieval. The design and construction of this temporary works will have to be carried out by CP 5-03b contractor. It is to be expected that CP 5-03b has to build a temporary platform at the reception shaft at Senate Station to receive the TBMs.				
61	Volume 2	Section 6	ER 17	4) TBM Retrieval at Senate Station	b) The CP108 Contractor shall provide direct unimpeded access between the Shaft / Lifting Area and Public Road for ingress and egress of plant and resources as required.	Is the employer able to share drawings indicating the layout and size of the shaft / lifting area and Public Road for ingress and egress?	It is the Contractor's responsibility to coordinate the details with the Contractor of CP108. Employer has arranged via the specifications that the Contractor of CP108 has to provide this unconstrained access. A drawing of the construction site at Senate Station will be provided in the Site Data for information only and is included in Bid Addendum 3.				
62	Volume 2	Section 6	ER 18	4) TBM Retrieval at Senate Station	c. CP108 Contractor will coordinate with the Contractor with respect to the detail schedule and scope of works for the above provision of custody of Retrieval Shaft and tent of working area. CP108 Contractor will report the results of such interface coordination to the Engineer for the Engineer's approval. It is expected that proper timing for the above provision of custody of Retrieval Shaft and tent of working area can be automatically achieved for the benefit of both the Contractor and CP108 Contractor so long as each of them successfully achieves their own Key Dates undertaken by each of them.	Can the employer share their expectation how many months from contract award would constitute proper timing for the provision of the retrieval shaft? 	The expectation is that the retrieval shaft shall be provided at Senate for the use of the S03b Contractor at month 40.				
63					Borehole Information- P2_S6_H(DWG)_31Mar2021_10_GEO NSRP (SC) Geo-Tech Data Volume 3 (Final Borehole Logs SBH-001 to SBH-340) Volume 4 (SBH-341 to 597, SCBH-001 to SCBH011, SDBH-001 to SDBH-020)	We request for the following borehole logs, as previously requested: -Final Borehole Logs SBH-001 to SBH-340 -SBH-341 to 597, -SCBH-001 to SCBH011, -SDBH-001 to SDBH-020 The recently issued Site Data in GBB No. 11 does not provide the above requested information	Additional borelog information is provided with Bid Addendum 3				

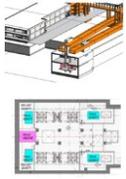
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
64	Volume 1; GBB No. 10			Tender Submission Deadline		Further to the submission deadline set on 7 August 2021 per Bid Bulletin No. 10, we humbly submit our request for an extension of the submission deadline by three (3) months from 7 August 2021 to 7 November 2021. The above request is made due to the below reasons: • Addendum 2 and 3 cited in previous bid bulletins have not yet been issued for a full appreciation of the Client's clarifications. These outstanding addenda include substantial changes/revisions in drawings, BOQ and borelogs and borehole information, among others. • Pending approval for site visits to gain a better understanding of the project • Continuous implementation of community quarantine (i.e., ECQ and MECQ from 29 Mar to 14 May; GCQ with restrictions from 1 June-present) wherein limited information are available from the market.	Bid submission extended for 30 days. Refer GBB No. 19	Closed		Yes	19
65	Volume 2	Section 6, D-1 Outline Design specifications	ODS-7	3.2 Building Structures	2nd paragraph on page ODS-7 states that "During design of the building located on the station box, it shall be confirmed that effect of the loads from the above imposed on the station box below is within acceptable level i.e. the Contractor shall ensure that the station box below is structurally safe and stable to bear the loads imposed by the proposed building above."	The station box is designed by the Employer and it is understood that it has taken into consideration all loadings imposed by the proposed building above and therefore, the Contractor shall not be held accountable for the sufficiency of the design of station box. Please clarify. 	Yes, Bidder's understanding is correct.				
66	Volume 2, Part II	Section 6D	N/A	D-1: Outline Design Specifications (ODS) (Design & Built Portion), Clause 3 Structures and Facilities to be Designed and Constructed	... The Contractor may refer to APPENDIX 6 "DEMARCATION OF DESIGN SERVICES FOR FTI STATION (MMSF)" that has been prepared based on another package of the MMSF and is presented as an example....	Although it is indicated in the reference text that APPENDIX 6 is presented as an example, the Bidder would like to ask if this document can be actually considered as a reference information to follow. If not, the Contractor then kindly requests the Employer to provide similar information (or Responsibility Matrix) in order to fully ensure scope of design works which to be the Contractor's responsibility	The Contractor's design scope for the Design and Build portion is limited to developing the current basic design for Building Works, comprising of certain above-ground structures and architectural fit-out works in the underground station, as well as MEP systems in certain sections of the underground station. To assist the Bidders to understand the demarcation between the Build-only scope and the Design-and-Build scope a set of drawings that show the boundaries between the Works have been prepared. As the scope of the design scope is limited the information requested for design reports, design rationale and/or design criteria regarding inter alia station sizing and fire-and life strategy is not required by the Bidders at this point. A memorandum clarifying the Employer's Technical Requirements for the design requirements for the Design-and-Build scope is also prepared. The demarcation drawings and memorandum will be provided as an appendix to the Scope of Works in Bid Addendum 3.				
67	Volume 2, Part II & Volume 1, Part 1	Section 6B Section 4-Bidding Forms	2 of 17 & 31,32 of 64	GS 100, Appendix 14: General Specification - General Requirement for Design and Build Part: Clause 1 - Contents of Design Stage Submissions & Implementation Proposals - Method Statements	Sub-clause 1.1.1-Initial Design Submissions, Description (including List of Initial Design Submissions) Sub-clause 2-Underground Station Design Part & Sub-clause 3- Intermodal Transfer Facilities Design Part	The Bidder would like to ask if the definition; "Initial Design" has same meaning (or is mentioned as same scope) both in Volume 1-Bidding Forms and Volume 2, Appendix 14-General Requirements for Design & Build Part. If Yes, the Employer is kindly requested to confirm if the documents listed from 1) to 32 in Volume 2, Appendix 14, Sub-clause 1.1.1 are required to be fully included in Bid Submission which of these are not only the design drawings but also, i.e; fire safety strategy report, passenger flow analysis report, security strategy report are also listed under this Sub-clause.	The definition "Initial Design" in Volume 1 Section 2 1.3.1.4 item 2.2 and 2.3 and Section 4 Implementation Proposals - Method Statements item 2 and 3 have been removed and reworded to "Design Approach" in Bid Addendum 2.				
68	General					With reference to the above tender project, as the project includes the design & build portion, it requires detailed design studies and analysis with extensive and accurate quantity surveying. Considering the time-frame given for this scale of a project is inadequate to complete a fully compliant design with the authority's requirements, additional time is required. Moreover, the recent situation in respect of COVID-19 continuing with harder precautions to prevent the spread of the disease and its consequential results as limited working hours and workforce due to aggressive precautions taken to prevent its spread, having adverse effects on our efforts in preparation of the Bid, in respect of collecting in a timely manner information / quotation from the Suppliers / Vendors / Subcontractors, as required for the preparation of the Bid in compliance with the Client's requirements stipulated in the Tender Documents. In the light of the above, by referring to the importance of the Tender and our respective efforts for the submission of the Bid in compliance with the Client's requirements and in reference to the remaining time for the Tender Closing Date, we kindly ask the Client to consider to extend the Tender Submission Date by 10 weeks, beyond the current deadline, meaning until 16 October 2021.	Bid submission extended for 30 days. Refer GBB No. 19	Closed		Yes	19
69	VOLUME 2 / PART II	SECTION 6 / SPECIFICATIONS / ODS / OUTLINE DESIGN SPECIFICATIONS	N/A	23.3.2.2.3	N/A	Please provide Particular Specifications for Tunnel Ventilation and smoke control Strategies, including specifics about coordination ventilation systems between the stations (FTI & Senate) and the Tunnel, Overall tunnel normal / emergency ventilation strategy input.	Bidder is referred to the requirements in the Outline Design Specification and relevant Underground Technical Specifications as well as the GS Appendix 4 Contractor's Interface Coordination with Others. For a detailed demarcation Bidder is referred to the demarcation drawings and memorandum as provided in an appendix to the Scope of Works in Bid Addendum 3.				
70	GENERAL		N/A	N/A	N/A	Please, clarify the Fire Load expected in the structural calculations	The loading assumption for the structure design shall follow the National Building Code and other international standards as specified in the Bidding document.				
71	VOLUME 2 / PART II	SECTION 6 / DRAWINGS / UNDERGROUND DRAWINGS / 14_MEP	N/A	N/A	N/A	According to the received Basic Drawings, tunnel fire hose cabinets will be supplied from the FTI Underground Fire Pumping Station. Please confirm this information is correct.	The Bidder's understanding is correct. Fire service inlet to wet main hydrant riser on the ground should be connected to tunnel fire hose. Please also note the tunnel fire main shall also be connected to the pumping stations in the adjacent stations.				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporated in Bid Document (version)	Published	Included in (GBB No.)
79			104 of 2682	1.3.3.2 Tunneling and Excavation Methodology Alternatives		According to the reference document, there is an assessment determining that the best alternative for excavating the Underground Station and C&C is the Top Down. However, the Bidder would like to know if it is allowed to propose in the Tender Submission an alternative excavation method from the one proposed.	Reference documents are for guidance only and compliance is not mandatory. The Bidder needs to submit a Substantially Responsive Bid which conforms to all the terms, conditions and specifications in the bidding documents without material deviations, reservation or omission. After the award the Contractor is allowed to propose alternatives. Any proposed alternative shall be reviewed and is subject to approval by the Engineer.				
80	Vol 1	Sec. 3 Evaluation and Qualification Criteria (EQC)	Page 52 of 65	1.2.3.4 Project Administration Matters (Principal Aspect 4)	4.1 Quality Management (Sub-criteria) 1) Outline Quality Plan for both Quality Assurance and Quality Control 2) Outline of Quality Procedures - Systems to be followed. 3) Outline plans for Design Management, Site Quality Management and Suppliers/Manufacturers Quality Assurance. 4) Outline of Inspection and Test Plans including FAT's and SAT's.	Refer to "1.2.3. Detail of the Required Submittal Coverage for Each of the Four Principal Aspects" Please confirm that the Bidder shall provide list of the Plans & Procedures within the methodology implementation of clauses "2) Outline of Quality Procedures - Systems to be followed." & "4) Outline of Inspection and Test Plans including FAT's and SAT's". Are the Subject Plans & Procedures to be submitted within the submission? Regarding ref clause "3) Outline plans for Design Management, Site Quality Management and Suppliers/Manufacturers Quality Assurance.", Please confirm that the Bidder can define/explain the Subject Plans & Procedures details in line with clause 1 and 4?	Bidder to further clarify their query and be more specific on their concern. Nevertheless, Bidder shall submit their bid fully in accordance with the required submission list. The Employer may score 0 for any missing component in the submission list.				
81	Vol 1				Request for Extension of Bid Opening	Further to the submission deadline set on 07 August 2021 per Bid Bulletin No. 1, we humbly submit our request for an extension of the submission deadline by three (3) months from 07 August 2021 to 7 November 2021. The above request is made due to the below reasons: 1. Addendum 2 and 3 cited in previous bid bulletins have not yet been issued for a full appreciation of the Clients clarifications. These outstanding addenda including substantial changes/revisions on drawings, BOQ and borrowings and barehole information, among others. 2. Pending approval for site visits to gain a better understanding of the project 3. Continuous implementation of community quarantine (i.e. EQC and MEQC) from 29 Mar to 14 May, GGQ with restrictions from 1 June - present) wherein limited information are available from the market. The above cited reasons are critical to progress our tender preparations.	Bid submission extended for 30 days. Refer GBB No. 19	Closed		Yes	19
82	Volume 3 & Volume 1 & Conditions of Contract for Construction (Multilateral Development Bank Harmonized Edition) (FDIC MDB)	Section 7	4 of 39 (GCC 2) & 4 of 91 & 47 of 106 & 52 of 106	The General Conditions of Contract (GCC) & Schedule 1 - Bill of Quantities, Preamble to Bill of Quantities & Schedule 2 - Price Schedules & 12.2 (a) - Method of Measurement 14.1 (c) - The Contract Price	Last Paragraph in GCC: "The Conditions of Contract have been prepared for an ad measurement (unit price or unit rate) type of contract and cannot be used for other type of contract" & 1. The Bill of Quantities is prepared by the Employer for the Works which are designed by the Employer, (to the extent specified in the Contract), and for this portion is a re-measurement contract for the execution, completion and remedying of any defect in the Works as specified in the Contract & 12.2 (a) Except as otherwise stated in the Contract and notwithstanding local practice: (a) measurement shall be made of the net actual quantity of each item of the Permanent Works, ... 14.1 (c) Unless otherwise stated in the Particular Conditions: (c) any quantities which may be set out in the Bill of Quantities or other Schedule are estimated quantities and are not to be taken as actual correct quantities: (i) of the Works which the Contractor is required to execute or, (ii) for the purposes of Clause 12 [Measurement and Evaluation]; ... 	Please confirm our understanding in relation to the quantities measurement for each chapter of the BOQ: CLIENT DESIGN SCOPE OF WORKS: • ITEM 1 (GENERAL REQUIREMENTS) is non-measurable item. • ITEM 2 (STRUCTURES) , The quantities provided in the forms will be re-measured according to actual quantities executed in the work. Reference documents: ◦ Bidding Form Section 4 ◦ The General Conditions of Contract (GCC) Section 7 ◦ FDIC MDB LINE 2010 (12.2 & 13.6) • ITEM 11 (CONCRETE SCHEDULE) , The quantities will be measured in the construction face according to the work executed. • ITEM 11 (SCHEDULE OF PROVISIONAL SUMS) , This chapter will be considered as lump sum basis. CONTRACTOR DESIGN SCOPE OF WORKS: Quantities for Price schedule A, B and C are final and considered as lump sum basis.	Please note the Build Only scope is an ad measurement contract: - The quantities in the BOQ are accurate and measured from Detailed Design. Admeasurement is the measurement of change from Detailed Design to revised Detailed Design and/or Variations as instructed by the Engineer. - Further, any obvious errors detected in quantification in the BOQ shall, subject to the agreement of the Engineer, be re-measured and corrected. The Contractor is not expected to take the risk of errors in quantities. Any discrepancy will be amended / revised in the respective Bidding Documents with Bid Addendum 3. Client Design Scope of Works: 1. Yes, the Bidder's understanding is correct. 2. Yes, the Bidder's understanding is correct. 3. The Bidder is advised to refer to GCC, Sub-Clause 13.6. 4. Yes, the Bidder's understanding is correct. Further, PS item should be paid based on the actual payment. Further, and in connection with 1. to 4. - the Bidder is advised to refer to the General Bid Bulletin (GBB) 16, Bid Addendum No. 2, 02_Volume 1A, BOQ, CP S-03B Vol.1A Sec.1A BOQ Bid Addenda 2 20210614, Schedule 1 - Bill of Quantities, Preamble to Bill of Quantities. Please also refer to the Bill No. 11 - Schedule of Provisional Sum; from PS-1 through PS-20. Contractor Design Scope of Works: 5. The Bidder is advised that Price Schedules A, B and C are Lump Sum Items. For further details, Please refer to GBB16, Bid Addendum No. 2, 02_Volume 1A, BOQ, CP S-03B Vol.1A Sec.1A BOQ Bid Addenda 2 20210614, Schedule 2 - Price Schedules which includes: Preamble to Price Schedules, Summary of Price Schedules, Price Schedule A - Station Building Works, Price Schedule B - Mechanical & Electrical Works and Price Schedule C - Intermodal Transfer Facilities.				
83	GENERAL		N/A	N/A	N/A	Could the Client provide the basis of design for the station box structure. Those basis would affect the temporary works being considered and designed by the Bidder.	The basis of design for the Station Box Structure is top-down. After the award the Contractor is allowed to propose alternatives. Any proposed alternative shall be reviewed and is subject to approval by the Engineer.				
84	GS 31. WORKS IN THE VICINITY OF EXISTING OPERATING PHILIPPINE NATIONAL RAILWAY and GS100 APPENDIX 2			GS 31.4 and GS100 Appendix 2 page 27	The GS 31.4 states The Contractor shall erect high visibility safety fencing boarding along the demarcation line of the PNR safety zones. The safety boardings shall be located a minimum of 2.000m to the face or any component of the fence on the PNR side from the nearest rail of the adjacent PNR railway track. GS100 Appendix 2, 8.1 Measures for Prevention of Train Accident States. Site Limits As the construction site near by the railway in operation to which special attention to be paid in order to keep safety during the construction works, the following construction site limits shall be followed: a) In the case of formation level of proposed railway being higher than that of railway in operation: The site within 5m plus width of banking slope (between the different levels) measured from the edge of formation level of the railway in operation b) In the case of formation level of proposed railway being same as that of railway in operation or lower than that of railway in operation: The site within 5m including width of cut slope (between the different levels, if any) measured from the edge of formation level of the railway in operation As PNR does not have any rules for the construction works nearby a railway in operation, JDT has specified the above construction site limits.	Please confirm that once the safety fencing boarding has been installed, erected and approved by the Engineer, works outside those boardings can progress despite the site limits specified by JDT.	Bidder is referred to various requirements for boarding along the live PNR track, especially the amended Safety Considerations in GS 131.4 (see Bid Addendum 1). The approval by the Engineer is also subject to the approval by PNR. GS 131 also refers to any works outside the boardings can only be carried outside PNR's operation and requires approval.				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate in Bid Document (version)	Published	Included in (GBB No.)
85		Section 6 Scope of works.	20	2.2.5 Relocation of Existing PNR Operating Tracks and Structures	Section 6 Scope of works page 9 states The current operating PNR double track will be relocated and converted to a temporary single track. PNR will carry out this work prior to commencement of the relevant section of CP S-03b. Bidder/ Contractor to liaison with PNR directly for the schedule of works	Please clarify if the Bidder/Contractor will be able to decide/agree with PNR the location of the first conversion to a temporary single track or if otherwise the location of PNR first stage relocation to a single track is already decided. In that case please clarify the exact location of the single track when the Bidder/Contractor will access the site.	PNR's first stage relocation to a single track will be completed before the site will be made available to the Bidder. Therefore, with regards to this package the relocation works start at Step 2. The alignment of the single track is shown on the drawing with indication of PNR temporary track.				
86	VOLUME 2 / PART II /	SECTION 6 / DRAWINGS / CIVIL DRAWINGS / S-03b_A VIADUCT_AT-GRADE / GENERAL.	NSRP-SW-ALT-PL-D-0002			It is observed that Future Viaduct Ramp support is on top of Entrance 3. Please provide information regarding interface works.	The area highlighted in an orange hatching style relates to Chemical Injection Work. There are no interface issue with future viaduct ramp. Reference is made to "NSRP-DWG-UPP-ST-0011,0022"				
87	N/A	N/A	N/A	N/A	N/A	Please, clarify if any precipitation drainage discharge shall be considered in the CP S-03B coming from adjacent Contracts: CP S-03C or CP108	Drainage discharge from CP S-03A and CP S-03C were considered in the calculations especially the drainage lines and outfalls near the demarcation lines of CP S-03B Refer to NSRP-DWG-VIA03b-DR-0065 REV 21 dated March 31 2021 and NSRP-DWG-VIA03b-DR-0069 REV 21 dated March 22 2021 for the continuity of the drainageline				
88	N/A	N/A	N/A	N/A	N/A	Please provide information about and requirements for water tightness of the diaphragm wall of the stations and entrances. Please clarify any requirement which shall be considered.	Please refer to TS 2011 Waterproofing and TS 2011.2.2 Performance Requirement				
89	N/A	N/A	N/A	N/A	N/A	Please confirm whether the water drainage collected in the Sum Pit of the Tunnel shall be pumped out into FTI or Senate Station.	Drainage water collected in the sump pit of the tunnel will be pumped up to the Senate Station.				
90	NSRP-DWG-FTI-FPS-2201/2401 and CP S-03b Vol 2 Part II	Sec 6 IC TS 600 Mechanical Sanitary and Plumbing 20210408	N/A	Items 630.2.2.5 and 630.2.2.4.	N/A	Please, confirm if a combined system shall be provided, whether is one fire pump set to feed both system (sprinklers and standpipe), or an individual fire pump set for each system, considering the discrepancies noted below: • FPS Schematics (NSRP-DWG-FTI-FPS-2201/2401) presents a single fire pump set to meet the combined system requirements (sprinkler and standpipe systems); • "CP S-03b Vol 2 Part II Sec 6 IC TS 600 Mechanical Sanitary and Plumbing 20210408" requests a fire pump set independent for sprinkler system and for standpipe system, according to items 630.2.2.5 and 630.2.2.4.	The drawing refer to the scope which is included in the Design and Build portion. For this portion Bidder is referred to the Outline Design Specification and the specifications provided in UTS MEP 1100-1200 TS 600 refers to the scope part of the Build only scope.				
91	CP S-03b Vol 2 Part II	Sec 6 IC TS 600 Mechanical Sanitary and Plumbing 20210408 and Sec 6 ID2 UTS MEP 1100-1200 20210408	N/A	N/A	N/A	RFP documents presents the codes IIS and NFPA for fire pump design. Please, confirm if only NFPA could be considered in this Tender. • "CP S-03b Vol 2 Part II Sec 6 IC TS 600 Mechanical Sanitary and Plumbing 20210408" requests a sprinkler pump set in accordance with IIS requirements; • "CP S-03b Vol 2 Part II Sec 6 ID2 UTS MEP 1100-1200 20210408" requests a fire pump to satisfy ANSI/NFPA 20 requirements.	TS 600 applies the Build only scope, while UTS MEP 1100-1200 applies for the Design and Build Scope. The wording in TS 600 has been amended in Bid Addendum 1.				
92	NFPA 130 and RA9514-RIRR, NFPA 14 and NSRP-DWG-FTI-FPS-2401		N/A	N/A	N/A	Reference project diverges from NFPA/Philippines Fire Code, as indicated below, regarding the standpipe system type. Please, confirm the standpipe system type to be provided in FTI Station and Tunnel. • NFPA 130 and RA9514-RIRR requests a Class I standpipe system to be installed in enclosed stations and trainways (Class I standpipe is a system that provides 2 1/2 in. (65 mm) hose connections to supply water for use by fire departments, according to NFPA 14). • FPS Schematic (NSRP-DWG-FTI-FPS-2401) presents a Class II standpipe, which provides 1 1/2 in. (40 mm) hose stations to supply water for use by trained personnel and 2 1/2 in. (65 mm) hose connections to supply larger volume of water for use by fire departments.	The NFPA 130 and RA9514-RIRR apply. Bidder requires to use the Class I standpipe system. As for the priority, the specifications are higher than the drawings. Since the ODS mentioned the refers to the NFPA 130 standard bidder has follow these priority to the description in the ODS. The drawings will be amended after award.				
93	NFPA 130 and RA9514-RIRR, NFPA 130, FPS Schematic (NSRP-DWG-FTI-FPS-2201) and CP S-03b Vol 2 Part II Sec 6 ID1 Outline Design Specification 20210408		N/A	N/A	N/A	Please, confirm which areas shall be provided with automatic sprinklers system, considering the discrepancies noted between Reference project, NFPA, Philippines Fire Code and RFP documents. • NFPA 130 and RA9514-RIRR requests an automatic sprinkler protection system installed in areas of stations used for concessions, in storage areas, in trash rooms, and other similar areas with combustible loadings, except trainways. • NFPA 130 informs that a sprinkler protection shall be permitted to be omitted in areas of open stations remotely located from public spaces. • FPS Schematic (NSRP-DWG-FTI-FPS-2201) presents an automatic sprinkler system in station offices, machine rooms, corridor, storage, without consider its installation in staff dormitory areas, shower and restrooms and kitchen. • "CP S-03b Vol 2 Part II Sec 6 ID1 Outline Design Specification 20210408" requests an automatic sprinkler protection provided for station concessions, storage areas, trash rooms, offices and other similar spaces with combustible loading.	The NFPA 130 and RA9514-RIRR apply. As for the priority, the specifications are higher than the drawings. Since the ODS mentioned the refers to the NFPA 130 standard bidder has follow these priority to the description in the ODS. The drawings will be amended after award.				
94	NSRP-STN-AR-A-FTI-0301, GSS Schematic (NSRP-DWG-FTI-FPS-2301) and CP S-03b Vol 2 Part II	Sec 6 ID1 Outline Design Specification 20210408	N/A	N/A	N/A	Please confirm the location of Clean agent room location, as shown below: • "NSRP-STN-AR-A-FTI-0301" presents only one Clean agent room to store the cylinders that will protect all electric areas, some of them 400 m apart. • GSS Schematic (NSRP-DWG-FTI-FPS-2301) presents all electric areas being supplied by cylinders located in the same storage room. • "CP S-03b Vol 2 Part II Sec 6 ID1 Outline Design Specification 20210408" requests a containers location as close as possible to the protected area, but not exposed to a fire or to mechanical, chemical or weather damage.	-With regard to the underground FTI station the clean agent room is part of the Design and Build scope. Contractor is to follow the relevant specifications and codes, like the Fire Code of the Philippines. The exact locations can be proposed by the Contractor being subject to Engineer's approval.				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporated in Bid Document (version)	Published	Included in (GBB No.)
95	NFPA 130 and RA9514-RIBR, FDAS Schematic Diagram (NSRP-DWG-FTI-FPS-2104) and CP 5-03b Vol 2 Part II	Sec 6 ID1 Outline Design Specification 20210408	N/A	N/A	N/A	<p>Please, confirm which areas shall be provided with Fire Detection and Alarm Systems, considering the discrepancies noted between Reference project, NFPA, Philippines Fire Code and RFP documents.</p> <ul style="list-style-type: none"> NFPA 130 and RA9514-RIBR requests an automatic fire detection in all ancillary spaces by the installation of combination fixed temperature and rate-of-rise heat detectors or smoke detectors except where protected by automatic sprinklers; FDAS Schematic Diagram (NSRP-DWG-FTI-FPS-2104) presents smoke and/or heat detector in all ancillary areas, except in the tunnel. "CP 5-03b Vol 2 Part II Sec 6 ID1 Outline Design Specification 20210408" requests an adequate and reliable automatic fire detection and alarm devices in the stations, ancillary buildings/structures and tunnels. 	<p>As for the priority, the specifications are higher than the drawings. Since the ODS mentioned the refers to the NFPA 130 standard bidder has follow these priority to the description in the ODS.</p> <p>The drawings will be amended after award.</p> <p>If there is the discrepancy, please follow the Fire code of Philippine.</p>				
96	N/A	N/A	N/A	N/A	N/A	Please inform the maximum short circuit current we must consider and the fault time for grounding studies.	<p>The maximum short circuit current is decided by the specifications of the transformer and MDB/LVSG. However, the design of them is under the Design & Build Scope.</p> <p>Bidder is referred to the Outline Design Specification</p>				
97	NSRP-DWG-FTI-EL-5011 and NSRP-DWG-FTI-EL-5022		N/A	N/A	N/A	<p>MEP Electrical Loads from NSRP project:</p> <p>In the drawings NSRP-DWG-FTI-EL-5011 and NSRP-DWG-FTI-EL-5022 received in the package "PACKAGE CP 5-03b- DETAILED DESIGN" are indicated some electrical loads to be supplied by the MMSF project. In the basic design single-line diagram we do not identify these TAGG loads but some loads like escalators are represented in the diagram. We are considering that the single-line diagram received already includes these loads from the other project.</p> <p>Please confirm our understanding.</p>	<p>Please assume each capacity of elevator, escalator and shutter door as follows,</p> <ul style="list-style-type: none"> Elevator: 15kVA Escalator: 12 kVA Shutter doors: 1.9kVA <p>However, the capacity varies according the manufacturer specification of the elevators, escalators or shutter doors which will be selected by the Contractor.</p> <p>For those Elevators, Escalators and Shutter Doors included in the Design and Build scope Bidder can use these capacities as engineer's assumption for Contractor's reference</p>				
98	N/A	N/A	N/A	Primary Support & Ground Improvement requirements for the cross passages and sump pit	N/A	<p>It is understood that the excavation and construction of the fifth teen (15) cross passages and one (1) sump pit is part of a "Build only" scope. However, the primary support and ground treatments (if required) have not been provided in any drawing/ report.</p> <p>Kindly provide these details for a proper evaluation of the works.</p>	<p>The temporary works for the cross passages which include primary support and ground treatment and are the responsibility of the Contractor. Reference is also made to UTS 2000-2100 2100.14.1 Method of measurement 2 tunnel work & cross passage (b).</p>				
99	N/A	N/A	N/A	Ground improvement requirements and details for break in/ break out operations.	N/A	<p>It is understood that the TBM tunnel excavation is part of a "Building only" scope. However, no detail has been found regarding the requirement for ground improvements at the break in/ break out locations. Kindly provide the requirements and drawings for those ground improvements.</p>	<p>Ground improvements are deemed to be temporary Works and are the responsibility of the Contractor. Reference is made to UTS 2100.14.1 Method of Measurement, 2 Tunnel Work (a) "The rate shall also cover grouting between the segment and the soil, removal of any obstructions in front of the TBM, measures for prevention of water infiltration and collapse at face of tunnel and temporary measures to be taken for launching and arriving of TBM without collapse of the retaining wall by ingress of water."</p>				
100	N/A	N/A	N/A	Tunnel Segmental Lining Distribution (type of rings along the alignment)	N/A	<p>It is acknowledge that the Client has designed three (3) different ring types for the TBM tunnel as part of the "building only" scope. However, there is not any detail provided in where each type of ring has to be used along the tunnel alignment. Kindly provide:</p> <p>i) The ring type distribution along the tunnel.</p> <p>ii) Kindly provide the segmental lining design report and structural calculations</p>	<p>The ring distribution along the tunnel alignment will be provided to the Contractor with the IPC drawings after award.</p>				
101	N/A	N/A	N/A	Tunnel Segmental Lining Design	N/A	<p>It is understood that the TBM tunnel excavation and lining works are part of a "Building only" scope. Thus, segmental lining design is part of the Client's scope. However, there is not any detail provided for EPDM gaskets or any other inserts to be consider.</p> <p>Kindly provide:</p> <p>i) A complete set of drawing and specifications of the tunnel ring to be considered.</p> <p>ii) Kindly provide the segmental lining design report and structural calculations</p>	<p>The spec does not mention "gaskets".</p> <p>Refer to UTS 2100.4.3 Clause 4 Hydrophilic Sealing - Segment Joint</p>				
102					Request for Extension of Bid Opening	<p>We are writing to request an extension to the deadline of the submission of bid for CP 5-03b as we believe more time is needed to provide prospective bidders with the opportunity to submit a fully responsive bid. The complexity of the Design & Build component of the proposal requires additional time to complete a detailed analysis of the tender documentation and client responses, in order to fully meet the client requirements. Not to mention that the current COVID 19 circumstances have not significantly improved in the country. Therefore, we are still facing a series of challenges that severely affect the mobilisation of our resources, slowing down all tender activities, in particular those related to iterations with suppliers and subcontractors. As such we sincerely request an extension of 45 calendar days, with 21st September 2021, 10:00AM, as the new deadline. The deadline for bidders to submit request for clarification should be extended accordingly to suit the revised deadline should it be approved.</p>	<p>Bid submission extended for 30 days. Refer GBB No. 19</p>	Closed		Yes	19
103	Drawing set P2_S6_H(DWG)_31Mar2021_10_GEO					<p>Please provide borehole logs, core photos, laboratory and in-situ test logs & results for the boreholes shown in the drawing set P2_S6_H(DWG)_31Mar2021_10_GEO. The additional site information provided in Addendum 1 does not include this data.</p> <p>Boreholes are as follows: FTI-1 to FTI-14, IS-96, 112, 115 to 117, 121 to 134, 145.</p>	<p>The missing and additional Geotechnical Data will be provided as Site Data in advance of Bid Addendum 3</p>				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
104	Section 6 UTS 2000 - 2100 - Underground Technical Specifications		Page 182	Clause 2100.9.1	"Limit of Ground Surface Settlement The settlement of the ground surface should be satisfied in the TS Sub- Clause 2100.3.4 of this Clause."	Clause 2100.9.1 refer to Clause 2100.3.4 for the ground surface settlement limits. There is no Clause 2100.3.4 in the "UTS 2000 - 2100 - Underground Technical Specifications". Please clarify what are the ground surface settlement limits.	TS 2100.3.4 is the monitoring and control of TBM only. Please refer to 2100.9.2 "Ground movement Analysis" The Contractor to be provided Analysis report including adjacent structure The clause 2100.9.1 should be amended as - 2100.9.1 Limitation of Ground Surface Settlement. The settlement of the ground surface should be satisfied in the TS 2012 Monitoring and Instrumentation. This will be amended in the respective documents in Bid Addendum 3				
105						Please provide damage assessment criteria for buildings, elements of infrastructure, utilities.	For underground structure and tunnel section, please refer to TS 2012 Monitoring and Instrumentation				
106	Section 6 UTS 2000 - 2100 - Underground Technical Specifications		Page 12	Clause 2000.1.4	"The Contractor shall conduct Dilapidation Survey of existing structure within construction site and its surrounding area."	Part 20, Clause 200.1.4 refers to the Dilapidation Survey for the area adjacent to the cut and cover station structure. The Contractor is responsible for this Dilapidation Survey. There is no reference to the Dilapidation Survey along the TBM alignment and pedestrian underpass. Please clarify who is responsible for the Dilapidation Survey at these locations.	Please refer to Clause 2012.1 and Figure 2012.4.1 in UTS. The Dilapidation Survey along the tunnel is described in this figure.				
107	Drawing NSRP-DWG-UPP-ST-0011			Elevation view of Underground Pedestrian Passageway		The Elevation view of the Underground Pedestrian Passageway at Drawing NSRP-DWG-UPP-ST-0011 shows 3 borehole logs along the passageway alignment. These boreholes are not labelled. Please provide borehole logs, core photos, laboratory and in-situ test logs & results for these boreholes. 	*As per NSRP-DWG-UPP-ST-0011 Rev 21 issued 22 Mar 2021, the boreholes are labeled in plan as SBH-188A, 188B and 188C. For other details regarding the boring logs, please refer to the latest Geotechnical Investigation Report as provided in the Site Data, additional Geotechnical Information will be provided with Bid Addendum 3				
108	Drawing NSRP-DWG-UPP-ST-0011			Plan view of Underground Pedestrian Passageway		The Underground Pedestrian Passageway will be excavated near the foundations of the existing viaduct. Please provide information on the viaduct foundation, including pile depths, pile diameters & construction details.	The clearance between the Underground passage and foundation of the Skyway is 4m. Drawings of SLEX C5 and C6 have been provided as Site Data with Bid Addendum 2.				
109	NSRP-DWG-Y1A03b-ST-0011 Rev 21			Future ramps indicated on drawings		There are future flyover ramps indicated in grey hatch shown on the drawing mentioned herein. Please confirm our understanding that the package CP S-3b will be executed ahead of these ramps.	This C-6 overpass 1-3 are part of the existing Skyway.				
110	NSRP-UT-CE-GN-0004 rev21			Width of launch shaft	See attached Query 8 attachment for bigger pic 	The width of the working space from tunnel TBM centreline to edge of wall in drawing NSRP-UT-CE-GN-0004 (rev 21) is shown as 4500mm. This is inconsistent with the structural drawing NSRP-STN-CE-FTI-0014 (rev21) where the dimension is 4200mm. Please confirm that the launch shaft can be widened to provide adequate working space for the TBM	The dwg NSRP-UT-CE-GN-0004 is a drawing for reference only. Drawing NSRP-STN-CE-FTI-0014 should be referred to and it means that 4200mm is the correct dimension.				
111	Sec 6 II Drawings			P2_S6_II(DWG) _31Mar2021_10 _GED	Additional information will be provided in Bid Addenda 1, which includes inter alia Geotechnical Investigation Report CP S-03b which is based on "Final report" issued by AMH/Soil Philippines dated August 2020.	GBB No. 8 Response: "In the tender drawings "NSRP-GED-0001-0008", there are TS and FTI coded boreholes. RQD and SPT-N values were given in the soil profile. However, laboratory experiment results and core box sample photos are not found in the site data. This information is required for the evaluation of soil/rock characteristics. Please kindly provide the core box sample photos and laboratory experiment results." Please provide the requested information	The missing and additional Geotechnical Data will be provided as Site Data in advance of Bid Addendum 3				
112	NSRP-DWG-UPP-ST-0011 rev21			Underground pedestrian passageway ROW	See attached Query 10 attachment for bigger pic 	Please confirm that the dashed blue line shown on plan external to the UPP represents the ROW extents for the construction of the UPP from the WSP entrance 3 to the main FTI station concourse	Yes, the Bidder's understanding is correct.				
113	NSRP-DWG-UPP-ST-0011 rev21			West service road traffic management plan		Drawing NSRP-DWG-UPP-ST-0011 rev21 shows that the entrance 3 structure extends into and under the western service road. Drawing NSRP-UT-CE-FTI-0002 rev21 shows the division of the eastern service road but no diversion allowance for the western service road. Please advise what diversion and/or closure of the western road is permitted to facilitate construction of the entrance 3 shaft	The Construction Methodology of three Entrances at the East Service Road is the responsibility of the Contractor. The Contractor has to provide the necessary method statements, obtain the necessary approvals and including approval from DPWH and the Engineer. The Bidding Documents provide various restrictions and requirements with regards to traffic, especially the East Service Road which can only be reduced to a single lane for a period of 12 months.				
114	NSRP-UT-CE-FTI-0002 rev21 section 6 and note 4			Utility Division and relocation	Note4: "The Contractor should check ____and, if necessary, propose a protection plan...this note applies to all affected utilities at the entrances to...construction"	Drawing NSRP-UT-CE-FTI-0002 rev21 shows a 900Dia (Maynilad) water main and 2no. Oil pipelines (10" Napocor and 14" FPIC). 1. Please confirm that water and oil pipelines will be diverted by Others prior to contract award in accordance with clause GS11.3.1 and PSS of Vol1A, Part1, Sect4a, Bill 1 respectively 2. Please confirm that note 4 does not apply and is superseded by the clauses in point 1 above	The water main will be relocated outside the ROW but parallel to ROW. Oil pile lines are crossing the ROW along the existing road and will not directly conflict with foundations. Therefore the Bidder may require to carry out protection as note 4.				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporated in Bid Document (version)	Published	Included in (GBB No.)
115	NSRP-TN-CE-TBM-0000 to 0003 rev21				Access to cross passage at ground level	1. Can you please advise what access to ground level, immediately above the cross passages along the length of the project is permitted and secured as RoW with landholders 2. Can you please provide structural drawings for any buildings/structures/bridges with piles and/or basement and significant structures sensitive to settlement 3. Provide the design basis for volume loss and associated settlement assessment	1. Bidder is referred to the Site Access Delivery Schedule which has been provided with Bid Addendum 43. 2. and 3. The following important structures that were considered to have an impact during design preparation were collected and provided to the bidders as part of Bid Addendum 2. Manila Skyway, SLEX, C5, C6 and the Villamor Golf course Canal. The other low/medium-rise structures listed were not considered by the designers to be impacted by the 5-0.3b tunnels, however, searches are being undertaken to establish whether details are available for these structures and will be provided if available. The bidder is reminded to carry out its own geotechnical and other investigations in this connection.				
116	Volume 1				Bid Submission Deadline: GBB 10	Further to the submission deadline set on 7 August 2021 per Bid Bulletin No. 10, we humbly submit our request for an extension of the submission deadline by three (3) months from 7 August 2021 to 7 November 2021. The above request is made due to the below reasons: • Addendum 2 and 3 cited in previous bid bulletins have not yet been issued for a full appreciation of the Client's clarifications. These outstanding addenda include substantial changes/revisions in drawings, BOQ and borelogs and borehole information, among others. • Pending approval for site visits to gain a better understanding of the project • Continuous implementation of community quarantine (i.e., ECQ and MECQ) from 29 Mar to 14 May; GCQ with restrictions from 1 June-present) wherein limited information are available from the market.	Bid submission extended for 30 days. Refer GBB No. 19	Closed		Yes	19
117	N/A		N/A		General Bid Bulletin No.10 (GBB 10) dated 10 June 2021 & General Bid Bulletin No.14 (GBB 14) dated 17 June 2021, Collated Response No. 56	Deadline for Submission of Bids: at 10:00 a.m. on August 7, 2021 & -	In consideration of Design Companies' feedbacks regarding minimum required time for preparation of Design - Bid Documentation and, in consideration of the fact that the BIM Requirements of D&B Part of works are not currently available and planned to be shared by the Employer with Addendum 3 (Ref. GBB14, Response No.56); The Bidder kindly requests the Employer to extend the bid submission deadline at least by eight (8) weeks as from due date of the current deadline, in order for the Bidder to comprehensively prepare for this important tender package with their best price proposal and technically compliant documentation.	Bid submission extended for 30 days. Refer GBB No. 19	Closed	Yes	19
118	Vol 2 02 Drawings P2,S6_H(DWG)_31Mar2021_10_020		AB		Geotechnical Plan-Profile	Unforeseen geotechnical characteristics of ground conditions throughout the project alignment.	The Bidder kindly requests the Employer's confirmation that Time and Cost Compensation will be provided by the Employer to the contractor in case there will be an unforeseen underground geotechnical characteristics will be faced in the underground construction, i.e. tunneling works, other than the reports and given drawings throughout the project alignment in the tender documentation.	All contractual issues shall be administered in accordance with Conditions of Contract.			
119	Vol 1	Sec. 4	30/62		Implementation Proposals - Method Statements	2. Underground Station - Design Part The Bidder shall submit an Initial Design in accordance with the various Employer's Requirements for the following works, which are part of the Underground Station and the Tunnel: - Buildings Works - Electrical & Mechanical Works	The bidder understands that the design scope of the bidder for the underground stations; only going to be limited for the items which are not quantified in the BOQ, which was published by the employer. To be more specific, the design scope of the bidder does not include: - Bill No.6a STATION PLAZA (WEST) - Bill No. 6b UNDERGROUND PEDESTRIAN PASSAGE WAY - STATION CIVIL STRUCTURE WORKS (UNDERGROUND) Therefore the items of Price Schedule A/ A2.1 & A2.2 is not in the scope of the contractor's design, and therefore must not be priced in the abovementioned BOQ. Please confirm.	Correct. The following items are indeed included in the Employer's Design and are included in the Bid only scope: 1. Station Plaza (Weast) 2.Underground pedestrian passage way 3. Station civil Structure Works (underground) If Bidder concludes that certain work activities in Price Schedule are not required, Bidder has to specifically confirm that these works are priced for no costs (PHP 0).			
120	General Bid Bulletin No. 6 (11 May 2021)				Architectural		At what scale will the submission be made? -1/500 General Site Plan -1/200 plans sections and elevations. -1/100 System sections, wet core details and other RDS sheets. -Can you please give some details about sheet layout standards like dimensioning, levels, and sheet annotations?	The submissions can be made in the same scale as the drawings included in the Bidding Documents			
121	General Bid Bulletin No. 6 (11 May 2021)				Architectural		-Will the sheet sizes be in A1 (A3 is too small) standard?	The submissions will be made on A3, however Bidder also need to submit the drawings in PDF and CAD format.			
122	General Bid Bulletin No. 6 (11 May 2021)				Architectural Mechanical		Do we have to verify design in terms of fire exit? If yes, what kind of changes can we make? Are NPFA130 and RA the Fire Codes of Philippines? -Will the emergency exit calculation be submitted? Do we have trip number?	As per issued drawings, the requirements of NPFA 130 and RA 9514 apply.			
123	General Bid Bulletin No. 6 (11 May 2021)				Architectural Mechanical And At-Grade Station		We think that TVF working scheme is wrong. In addition, at-grade line clashes with TVF chimneys. We propose to relocate the chimneys in the middle and at grade line route to be revised in these locations.	Bidder's understanding is correct. This will be corrected in IFC drawings.			
124			6		NSRP-DWG-UPP-ST-0022		Which code will be used for chemical injection to design and construction?	The temporary works for the underground passage which includes primary support and any ground treatment are the responsibility of the Contractor. Pipe roof support, H-beam, sheet piles, chemical injection, etc is shown on the drawings for reference only but the Contractor shall choose the construction method. Bidder is referred to Pay Item 201(3).			

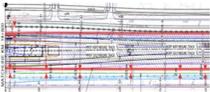
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
125				General		What is the design scope? Which part of construction is out of design scope?	<p>The Contractor's design scope for the Design and Build portion is limited to developing the current basic design for Building Works, comprising of certain above-ground structures and architectural fit-out works in the underground station, as well as MEP systems in certain sections of the underground station.</p> <p>To assist the Bidders to understand the demarcation between the Build-only scope and the Design-and-Build scope a set of drawings that show the boundaries between the Works have been prepared.</p> <p>As the scope of the design scope is limited the information requested for design reports, design rationale and/or design criteria regarding inter alia station sizing and fire-and life strategy is not required by the Bidders at this point.</p> <p>A memorandum clarifying the Employer's Technical Requirements for the design requirements for the Design-and-Build scope is also prepared.</p> <p>The demarcation drawings and memorandum will be provided as an appendix to the Scope of Works in Bid Addendum 3.</p>				
126	Volume 2 NSRP-DWG-FTI-AR-3035 & NSRP-DWG-FTI-AR-3036			Emergency Staircase 2 (MMSF)		How many Emergency Staircases are planned at East Side of FTI Station? There is discrepancy detected in the projects we've given as an example.	<p>Two emergency stairs are planned.</p> <p>The drawings have been amended in Bid Addendum 3.</p>				
127	Volume 1 II	Section 1.2.3.2	46/65	Implementation Proposals - Method Statements (Principal Aspect 2)	4) Design satisfying the requirements for the case of an emergency scenario in the station according to regulations of National Fire Protection Association 130 and based on Passenger Flow Analysis.	Is it necessary to submit "Passenger Flow Analysis" in our tender dossier. If "Yes", we need additional information like Vehicle and Passenger numbers expected for our study.	Item 4) "Design satisfying..." shall be amended into "Design Approach satisfying..." and will be included in Bid Addendum 4.				
128	CP S-03b Vol 2 P2, S6, J1 (DWG), 31 Mar 2021, 14_MEP_FTI			Station Mechanical System		There are no design criteria for spaces in the relevant document for mechanical system design. In order to make calculations: 1. Outdoor meteorological data ASHRAE Fundamental Handbook 2009 The values given for the city of Manila are used. Is there a different criterion for this value? 2. What are the thermal loads (cooling load) for electrical rooms (excluding ESR and UPS room designed by us)? 3. Which loads will be used in the calculation of the drainage pump capacity. For example hydrant water+rainwater+firebox water+tunnel leachate or just hydrant water?	<p>*1. The outdoor meteorological criteria are stipulated in Design requirements</p> <p>2. The thermal loads for E&M room shall be provided by CP106 after award. The Bidders are to make assumptions based upon their experiences</p> <p>3. For the pump capacity of underground station consider tunnel leakage and sprinkler</p>				
129	CP S-03b Vol 2 P2, S6, J1 (DWG), 31 Mar 2021, 14_MEP_FTI			Station Mechanical System		Primary chilled water pumps of water-cooled chiller system are indicated as a constant speed pump in the BMS drawing no. NSRP-DWG-FTI-BMS-CWD-1003. However, as per NSRP-DWG-FTI-BMS-CWD-1003, chilled water connection of AHU is equipped with a 2-way control valve which requires variable speed flow. Additionally, type of pump is not specified in Ventilation & Air Conditioning Chilled Water Schematic Diagram and CP S-03b Vol 2 Part II Sec 6 IC TS 600 Mechanical Sanitary and Plumbing 202.104.08. Please clarify whether the type of water-cooled chiller system primary chilled water pumps is constant speed or VSD.	<p>The confirmed type is VSD</p> <p>Bidder is informed that this Design and Build Scope. TS600 applies for the Build Only scope.</p> <p>For the Desing Build Scope, Bidder is referred to the ODS and the UTS Specifications: - UTS CIVIL 100-200-300-500-600-700 - UTS ARCH 800-900-1000-1000 - UTS MEP 1100-1200</p>				
130	Vol.2, Scope of works		page 13	Item 2.1.1	Preparatory Works	The activities of CP S-03b inception will be preceded by other contractor's tasks. How long it would take for the execution of this relocation, demolition, and construction of temporary stations as planned? Kindly provide a Site Delivery Access Schedule.	<p>*The relocation, demolition and construction of temporary stations shall be completed before the commencement date of the contract.</p> <p>The relocation, demolition and construction of temporary stations shall be completed before the commencement date of the contract.</p>				
131	Vol.2, Scope of works		page 20	Item 2.2.5	Relocations (PNR tracks).	Is there any tentative dates and duration for this? Kindly provide relocation schedule / Site Delivery Access Schedule.	<p>Bidder is referred to the Site Access Delivery Schedule as provided with Bid Addendum 3.</p> <p>Refer to Vol 2 Part II Sect 6 IB Appendix 4 Coordination with others.</p>				
132	Vol.2, Scope of works		page 25	Item 2.6.4	CP S-03b scope excludes	The anchorage of rail tracks shall be provided/installed by the other specialty contractor (CP106) prior to concrete works of CP S-03b? Does this also includes other MEP embedded items?					
133	Volume 1A	Section 4A Bill of Quantities	Bill No.5	Pay Item No. 537(12) FF16 Floor: 300x300x200mm Non-Slip Tactile Strip	N/A	Please specify in the plans where will 300x300x200mm Non-slip tactile strip will be installed.	<p>Please refer to NSRP-DWG-FTI-AR-3033, 3515-3518, rev. 21.3 and to Pay item 537(12) FF15 Floor : 300X300X200mm NON-SLIP PRECAST TILE</p> <p>Both revised drawing and BoQ will be provided with Bid Addendum 3.</p>				
134	General Bid Bulletin No. 14 Annex A		Item No. 27	N/A	Stainless Steel Railings	In bid bulletin no. 14 Annex A, Item no. 27, our query regarding stainless railings however your response is referred to stainless steel grating. Please clarify.	<p>Pay Item 506(14)ja has been removed from the BOQ in Bid Addendum 2</p>				
135	Volume 1A Section 4A Bill of Quantities		Bill No.5	Pay Item No. 506(12) Stainless Steel Grating	N/A	Kindly specify in the plans where will the stainless steel grating will be installed.	<p>Refer to NSRP-DWG-FTI-AR-3515, rev. 21.3 and NSRP-DWG-FTI-AR-3603, rev.21.3 which will be provided with Bid Addendum 3.</p>				
136	Volume 2 Package 03b Detailed Design Structural Drawings		NSRP-DWG- ATG-ST- 4207	N/A	VIA03b AT GRADE REINFORCEMENT DETAILS	Please confirm if the transverse rebar (U2) for slab has a diameter of 16mm only unlike other transverse bars (ex. U7) with size of 36mm dia. Refer to Annex 1.	<p>Yes, the Bidder's understanding is correct.</p>				
137	Volume 2 Package 03b Detailed Design Structural Drawings		NSRP-DWG- ATG-ST- 4203	N/A	VIA03b AT GRADE PROTECTIVE CONCRETE	Please confirm if the minimum thickness of protective concrete in at-grade typical sections 4-6 is 400mm. Refer to Annex 2.	<p>Yes, the Bidder's understanding is correct.</p>				
138	Volume 2 Package 03b Detailed Design Civil Drawings - Drainage		NSRP-DWG- VIA03b-DR- 0065	N/A	AT-GRADE MAINLINE DRAINAGE PLAN AND SCHEDULE	Kindly confirm whether the dimensions stated in BOQ 9-Part C-Item 111: "Manhole/ Catch Basin, TYPE 1 (for 0.5m X 0.6m -1m RCB)" is the total width and depth of the channel or only the width and depth of channel opening only. Refer to Annex 3.	<p>The dimension stated in the BOQ 9-Part C-Item 111 is only the width and depth of channel opening.</p>				
139	Volume 2 Package 03b Bill of Quantities		NSCR-DWG- FTI-CW- 1000, NSCR-DWG- FTI-DR-2000	N/A	N/A	What BOQ accounts the quantities to be computed from NSCR-DWG-FTI-CW-1000 (FTI STATION ROAD NETWORK), NSCR-DWG-FTI-DR-2000 (FTI STATION DRAINAGE NETWORK)?	<p>*1.The BOQ accounts the quantities computed from NSRP-DWG-FTI-CW-1000 are included in Bill No. 6a West Station Plaza Under Part E.</p> <p>2. The BOQ accounts the quantities computed from NSRP-DWG-FTI-DR-2000 are included in Bill No. 9 Drainage System including Diversion under Part A, Part B and Part C.</p>				
140	Volume 2 Package 03b Bill of Quantities		N/A	N/A	BOQ No. 2 - EARTHWORKS INCLUDING MAINTENANCE ROAD	Kindly provide specifications or plans to be used for computing the quantity in BOQ 2 - Part C - Item 201(3)ja: Structural Excavation for Precast Concrete Wall Panels.	<p>Please refer to drawing no. NSRP-DWG-VIA003b-RD-2000 Series Rev21 and to NSRP-DWG-VIA003b-RD-3000 Series Rev21.</p> <p>The Bidder is also advised that Item 102(1)ja was deleted from the BOQ. Please refer to the GBB 16, BOQ Bill no. 2, issued with Bid Addendum 2.</p>				
141	Volume 2 Package 03b Bill of Quantities		N/A	N/A	Earthworks including Maintenance Road	Please provide plans regarding the locations and dimensions to be used for computing earthworks in BOQ 2 - Part A Earthworks-Items 101(1)ja, 102(1)ja, 103(1)ja, 103(1)ja, 103(1)ja, 103(1)ja.	<p>Please refer to the Maintenance Road drawing nos. NSRP-DWG-VIA003b-RD-3011 to 3013 Rev21.</p> <p>Please also refer to the updated BOQ with revised quantity for Item 128(2)ja which shall be issued as Addendum 3.</p>				
142	Volume 2 Package 03b Bill of Quantities		N/A	N/A	Chain Link Fence	Please provide plans regarding the locations and lengths of the chain link fence, BOQ 2 - Part C - Item 128(2)ja.	<p>Please refer to NSRP-DWG-VIA003b-RD-3011 to 3013 rev 21, 26 March 2021.</p> <p>PIN 128(2)ja quantity is revised to 2879 Lm. and will be provided in the revised BOQ with Bid Addendum 3.</p>				
143	Volume 1A	Section 4A Bill of Quantities	Bill No. 6b	Pay Item No. 206(4)jd	Concrete Mortar/ Grout Injection in the Pipe and Space between Pipe and Underground Pedestrian Passageway Structures	Kindly provide drawings, locations and specifications of the concrete mortar/grout injection	<p>The Bidder is advised to refer to Drawing No. NSRP-DWG-APP-ST-0022 and 0025 rev 21 for the location.</p> <p>2) For the specification, please refer to TS 206.16.2.</p>				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporated in Bid Document (version)	Published	Included in (GBB No.)
144	Volume 1A	Section 4A Bill of Quantities	Bill No. 6b	Pay Item No. 209(5)c	Expansion Joint Assemblies		Please provide drawings and/or specific locations of expansion joint.				
							Please refer to NSRP-DWG-UPP-ST-0042 rev 21 issued 22 Mar 2021 for the location of pay item No. 209(5)c Expansion joint Assembly. The revised BOQ will be provided with Bid Addendum 3.				
145	Volume 1A	Section 4A Bill of Quantities	Bill No. 6b	Pay Item 205(2)	Soil Improvement (Chemical Injection)		Kindly provide drawings, locations and specifications of Soil Improvement.				
							The Bidder is referred to drawings NSRP-DEG-UPP-ST-0011 and NSRP-DWG-UPP-ST-0022 and TS-228.				
146	Volume 1A	Section 4A Bill of Quantities	Bill No. 6b	Pay Item No. 405(22)	Proprietary Water Stop System (Dumb Bell Type/ Hydrophilic Strip/GROUT Injection Tube.)		Please provide drawings and/or specific locations of the water stop.				
							Further, the Bidder is advised that the revised Pay Item No. shall be 233(1) - to replace Item 405(22). Revised BOQ shall be issued as Bid Addendum 3.				
147	General Bid Bulletin No. 9 Annex A Volume 1A Section 4A Bill of Quantities Volume 2 NSRP FTI Station Package CP 5-03b: Detailed Design Structural Drawings		page 3 Bill No. 5	No. 14 Pay Item No. 408(1) Structural Steel, Furnished, Fabricated and Erected Pay Item No. 408(1) Structural Steel Frame (Furnished, Pre-painted & Installed), for PTFE Tension Membrane Roofing FTI Station Steelwork-Roof Framing Typical Details	Structural Steel		Kindly confirm the inclusions in pay item no. 408(1) and pay item no. 408(11). In reference to query no. 14 in bid bulletin no. 9, it is indicated that the corresponding details for item: 408(1) can be referred to the following drawings: NSRP-DWG-FTI-ST-4401 to 4412 Rev21, NSRP-DWG-FTI-ST-4711, 4716, 4721, 4722, 4771, 4901, 4902, 4921, 4922 & 4941 Rev21.1 which gives conflict to pay item no. 408(11) since drawing no. 4401 to 4412 is the Roof Framing details of FTI Station and must be included in the item for the structural frame for PTFE Tension Membrane Roofing.				
							1) The Bidder is advised that Item No. 408(1) shall include the following: (a) Roof Framing for the Pedestrian Overpass as shown in drawing nos. NSRP-DWG-FTI-ST-4716, 4721 & 4722 Rev21.3; and (b) Roof Framing on MMSP Rail Track as shown in drawing nos. NSRP-DWG-FTI-ST-4901, 4902, 4921, 4922 & 4941 Rev21.2. 2) The bidder is further reminded that Item 408(11) shall be exclusive to the PTFE Tension Membrane Roofing.				
148	Volume 2 NSRP FTI Station Package CP 5-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4101	FTI Station Structural Plans Foundation Plan/Column Layout	Wall Schedule		In the wall schedule, Retaining wall(RW30) is indicated however, its location is not shown in the drawing. Please provide.				
							Legend for RW30 will be added to the drawing. Please refer to NSRP-DWG-FTI-ST-4101 rev 21.3 which will be included in Bid Addendum 3.				
149	Volume 2 NSRP FTI Station Package CP 5-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4101	FTI Station Structural Plans Foundation Plan/Column Layout	Dowel bars		Kindly confirm if the dowel bars indicated in the notes in drawing no. 4101 is included in the pay item for reinforcement of NSRP At-Grade station. See Annex 4.				
							The Bidder is advised that BOQ Bill No. 5, Item No. 405(1) - shall include the Slab on grade for Plant Building and Temporary Emergency Staircase. The BOQ will be updated regarding the quantity of 16mm dia. dowel bars in PIN 403(2) -- Reinforcing Steel, Grade 60 in Bill No. 5. The revised BOQ will be provided with Bid Addendum 3.				
150	Volume 2 NSRP FTI Station Package CP 5-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4121	FTI Station Structural Plans Platform Floor Framing Plan	N/A		Please confirm if the beam mark along Grid 27'-28" in between Grid A' and Grid B is correct. See Annex 5.				
							Beam marks are confirmed. Please refer to NSRP-DWG-FTI-ST-4121 rev 21.2 which is included in Bid Addendum 2.				
151	Volume 2 NSRP FTI Station Package CP 5-03b: Detailed Design Structural Drawings Volume 1A Section 4A Bill of Quantities		NSRP-DWG-FTI-ST-4311 Bill No. 5	FTI Station Concrete Works-Schedules and Details Columns and Wall Item No. 405(10)b Structural Concrete, Class "AAA" (31 Mpa) for Beam	Bond Beam		Kindly confirm if the quantity of concrete for bond beam will be included in the pay item for structural concrete for beams.				
							The quantity of concrete for bond beam is included in PIN 405(10)b -- Structural Concrete, Class "AAA" (31 Mpa), the revised BOQ will be provided with Bid Addendum 3.				
152	Volume 2 NSRP FTI Station Package CP 5-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4331	FTI Station Concrete Works-Schedules and Details Slabs and Walls	Wall Schedule		In NSRP-DWG-FTI-ST-4331, W25 is indicated in the wall schedule however, it is not identified in the drawing. Kindly provide its location.				
							W25 shall be indicated in drawings NSRP-DWG-FTI-ST-4201 to 4203 and NSRP-DWG-FTI-ST-4211 to 4213 to be updated and issued as rev 21.3 and included with Bid Addendum 3.				
153	Volume 2 NSRP FTI Station Package CP 5-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4401 NSRP-DWG-FTI-ST-4402 NSRP-DWG-FTI-ST-4403	FTI Station Steelwork-Roof Framing Typical Details FTI Station Steelwork-Roof Framing Details Sheet 1 and Sheet 2	N/A		In the figure for the typical roof framing, the steel section is labeled as HSS 3x0.134 however in the member schedule, it is HSS 3.5x0.188. Kindly confirm. See Annex 6.				
							Steel HSS 3.5x0.188 is the confirmed section. Please refer to drawings NSRP-DWG-FTI-ST-4401 to 4403 rev 21.2 as included in Bid Addendum 2 for the updated section label				
154	Volume 2 NSRP FTI Station Package CP 5-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4401 NSRP-DWG-FTI-ST-4402 NSRP-DWG-FTI-ST-4403	FTI Station Steelwork-Roof Framing Typical Details FTI Station Steelwork-Roof Framing Details Sheet 1 and Sheet 2	N/A		In the figure for the typical roof framing, the steel section is labeled as HSS 9.65x0.25 however in the member schedule, it is HSS 9.625x0.312. Kindly confirm. See Annex 7.				
							Steel section for V strut is HSS 9.625x0.312. NSRP-DWG-FTI-ST-4401 will be updated and issued as rev 21.3 and included in Bid Addendum 3.				
155	Volume 2 NSRP FTI Station Package CP 5-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4401 NSRP-DWG-FTI-ST-4402 NSRP-DWG-FTI-ST-4403	FTI Station Steelwork-Roof Framing Typical Details FTI Station Steelwork-Roof Framing Details Sheet 1 and Sheet 2	N/A		In the figure for the typical roof framing, the steel section is labeled as HSS 14x0.625 however in the member schedule, it is HSS 16x0.5. Kindly confirm. See Annex 8.				
							Steel member schedule shall govern. Thus, HSS 16x0.5 should be used. Please refer to NSRP-DWG-FTI-ST-4401 rev 21.2 submitted with Bid Addendum 2 for the frame designations.				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
156	Volume 2 NSRP FTI Station Package CP 5-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4401 NSRP-DWG-FTI-ST-4402 NSRP-DWG-FTI-ST-4403	FTI Station Steelwork-Roof Framing Typical Details FTI Station Steelwork-Roof Framing Details Sheet 1 and Sheet 2	N/A	Kindly confirm if the V strut indicated in the typical roof framing is similar with the steel section mark G. See Annex 9. If yes, kindly confirm its steel section. In the schedule, it is HSS 9.625x0.312 while in the roof framing, it is HSS 9.625x0.25.	Steel section for V strut is HSS 9.625x0.312. NSRP-DWG-FTI-ST-4401 to be updated and issued as rev 21.3 and included in Bid Addendum 3.				
157	Volume 2 NSRP FTI Station Package CP 5-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4401	FTI Station Steelwork-Roof Framing Typical Details	Valley cable	Kindly provide the details and specifications for Valley cable. See Annex 10.	The Supplier of valley cable shall submit details and specifications at FTI stations subject to the approval of the Engineer.				
158	Volume 2 NSRP FTI Station Package CP 5-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4141 NSRP-DWG-FTI-ST-4401	FTI Station Structural Plans Lower Roof Framing Plan FTI Station Steelwork-Roof Framing Typical Details	N/A	In the lower roof framing plan, the frame at expansion joint is Frame 2 however in the typical roof framing it is stated that it is frame 3. Please confirm. See Annex 11	This is confirmed. Please refer to NSRP-DWG-FTI-ST-4401 rev 21.2 submitted with Bid Addendum 2 for the frame designations.				
159	Volume 2 NSRP FTI Station Package CP 5-03b: Detailed Design Structural Drawings Volume 1A Section 4A Bill of Quantities		NSRP-DWG-FTI-ST-4501 to 4541 NSRP-DWG-FTI-ST-4801 to 4801 Bill No. 5	FTI Station-Plant Building FTI Station-Temp. Emergency Staircase Exit 1 Pay item No. 405(9) Structural Concrete, Class "AAA" (31 MPa) for Elevated Slab/Concrete Stairs/Concrete Gutter.	Slab on grade	Kindly confirm if the slab on grade for Plant Building and Temporary Emergency Staircase will be included in pay item no. 405(9)b.	Slab on grade for Plant Building and Temporary Emergency Staircase will be included in Bill No. 5 as PIN 405(1)c -- Structural Concrete, Class "AAA" (36 Mpa) for Mat / Raft Foundation. The revised BOQ will be provided with Bid Addendum 3				
160	Volume 1A	Section 4A Bill of Quantities	Bill No. 5	Pay Item No. 405(16) Blinding Concrete (Lean Concrete), 15 MPa including 75 - 150mm Compaction of sand Base	N/A	As we review the drawings, lean concrete is not shown in the drawings. Also, all the footing of the at-grade structures are on top of the MMSP top Slab except for the Plant Building. Kindly confirm if FTI At-grade Station, Plant building, Pedestrian Overpass and Temporary Emergency Staircase will have lean concrete beneath their footings.	FTI At-Grade Station, Pedestrian Overpass, and Temporary Emergency Exit Stairs do not have lean concrete below their foundation supports since they are located on top of the Underground Station . Plant building will be provided with lean concrete below its foundation support. Please refer to NSRP-DWG-FTI-ST-4533 rev 21.3. The revised BOQ and drawing will be provided with Bid Addendum 3				
161	Volume 1A	Section 4A Bill of Quantities	Bill No. 5	Pay item No. 106(2) Aggregate Subbase Course in Stations and Substations	N/A	Kindly confirm the inclusions in pay item no. 106(2). Also kindly provide details and location for this item.	Pay item No. 106(2) Aggregate Subbase Course in Stations and Substations includes all subsurface works prior to construction of slab on grade/slab on fill/mat foundation. For the revised BoQ Bill No. 5, the entire area of NSRP Platform is covered/included. The revised BOQ will be provided with Bid Addendum 3				
162	Volume 2 NSRP FTI Station Package CP 5-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4501 NSRP-DWG-FTI-ST-4701	FTI Station-Plant Building Structural Plans Foundation Plan FTI Station-Overpass Structural Plans Foundation Plan and Column Layout FTI Station-Temp. Emergency Staircase Exit 1 Structural Plans sheet 1	Polyethylene sheet vapor barrier	Polyethylene sheet vapor barrier is shown in the drawings however there is no pay item in the bill of quantities referring to this item. Kindly confirm in which item will it be included.	Polyethylene sheet vapor barrier is included (where in contact with soil surface) in the consideration of rates/prices for the following pay items in the BOQ : PIN 405(1)c -- Structural Concrete, Class "AAA" (36 Mpa) for Mat / Raft Foundation PIN 405(6)a / 405(6)b -- Structural Concrete, Class "AAA" (36MPa / 31MPa) for Tie Beam (At Grade Beam) PIN 405(7)c -- Structural Concrete, Class "AAA" (40 MPa) for Slab on Fill (At-Grade Slab) The revised BOQ will be provided with Bid Addendum 3				
163	Volume 2 NSRP FTI Station Package CP 5-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4121	FTI Station Structural Plans Platform floor Framing Plan	N/A	In the beam schedule and drawing, beam mark PG7 is shown but there are no rebar details indicated in the plans. Please provide.	Please refer to NSRP-DWG-FTI-ST-4321 rev 21.2 as issued with Bid Addendum 2.				
164	Volume 2 NSRP Detailed Design Package CP 5-03a,03b,03c: General Station Structural Drawings Volume 2 Section 6 TS-400 Structures		NSRP-DWG-STA-ST-4001 TS 400-73	General Station General Notes Abbreviations and Legend Sheet 1 405.3.1.1 Concrete Furnished Mix Design: ACI 211.1 and ACI 301	Bored Pile	In the General Notes, the concrete strength of the bored pile is 40MPa however in the technical specifications, it is 36MPa. Kindly confirm which one to follow.	*For concrete strength of bored piles, please refer to notes on the following sheets: NSRP-DWG-BUE-ST-4301 rev 21 NSRP-DWG-EDS-ST-4301 rev 21 NSRP-DWG-BUE-ST-4621 rev 21.3 NSRP-DWG-EDS-ST-4621 rev 21.3 NSRP-DWG-NGE-ST-4621 rev 21 NSRP-DWG-FTH-ST-4621 rev 21.2 NSRP-DWG-BHC-ST-4301 rev 21.3 NSRP-DWG-BHC-ST-4621 rev 21 NSRP-DWG-SUC-ST-4301 rev 21 Note: Rev 21 is included in the Bidding Documents Rev 21.2 is included in Bid Addendum 2 Rev 21.3 will be included in Bid Addendum 3				
165	Volume 1A Section 4A Bill of Quantities Volume 2 Section 6 Underground Technical Specifications		Bill No. 6b pg. 75	206(10)b Blinding Layer Concrete / Lean Concrete (≤100mm), 15 Mpa for Underground Pedestrian Passageway Structures, including compacted crushed stone layer (200mm) Concrete Mix Design	Lean Concrete	In the Technical Specifications, it is indicated that the design concrete strength for the lean concrete of underground structures is 18MPa however in the BOQ for the underground Pedestrian Passageway, it is 15MPa. Kindly confirm which one to follow.	For Underground structure, strength of lean concrete is 18 Mpa The BOQ will be amended and provided with Bid Addendum 3.				

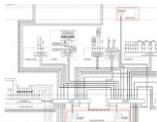
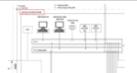
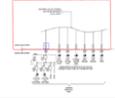
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
166	Volume 1A Section 4A Bill of Quantities Volume 2 Section 6 Underground Technical Specifications		Bill No. 6b pg. 75	206(4)a, 206(4)b, 206(4)c	Base Slab, Top Slab, Wall	In the Technical Specifications, it is indicated that the design concrete strength for the top slab, base slab and wall of underground structures is 24MPa however in the BOQ for underground pedestrian passageway, it is 40MPa. Kindly confirm which one to follow.	Please follow drawing number NSRP-DWG-UPT-ST-0051 rev 21 (issued with Bid Addendum 2) in note no. 2 which is 40 Mpa. Pay item number 206(4)a, 206(4)b and 206(4)c, refer to the revised BOQ which will be issued with Bid Addendum 3. The relevant Technical Specification will be amended and issued with Bid Addendum 3.				
167	Volume 2 NSRP FTI Station Package CP S-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4201 to 4214 FTI Station-Overpass Structural Section NSRP-DWG-FTI-ST-4721 to 4722 FTI Station-Temp. Emergency Staircase Exit 1 Structural Sections NSRP-DWG-FTI-ST-4821	FTI Station Structural Sections 4214 FTI Station-Overpass Structural Section 4722 FTI Station-Temp. Emergency Staircase Exit 1 Structural Sections	N/A	Kindly provide the elevation of the natural ground level of the main building of FTI At-Grade Station, Pedestrian Overpass and Temporary Emergency Staircase for us to be able to identify the depth to consider in the excavation, backfill and foundation fill.	Please refer to NSRP-DWG-FTI-ST-4821 rev 21.3 Please refer to the following sheets issued rev 21.3 NSRP-DWG-FTI-ST-4201 NSRP-DWG-FTI-ST-4202 NSRP-DWG-FTI-ST-4203 NSRP-DWG-FTI-ST-4211 NSRP-DWG-FTI-ST-4212 NSRP-DWG-FTI-ST-4213 NSRP-DWG-FTI-ST-4721 NSRP-DWG-FTI-ST-4721 All Rev 21.3 drawings are to be submitted with Bid Addendum 3;				
168	Volume 2 NSRP FTI Station Package CP S-03b: Detailed Design Structural Drawings NSRP FTI Station Package CP S-03b Detailed Design Architectural Drawings		NSRP-DWG-FTI-ST-3011 NSRP-DWG-FTI-AR-3110 to 3112	FTI Station Key Plan NSRP Office Plan	NSRP Office	In the key plan, it is stated that NSRP Office is by MMSP but it has architectural drawings. Kindly confirm if it is part of our scope. If yes, kindly provide its structural drawings.	The office building is included in the scope. References to MMSP does not mean it is not included in the scope. Drawings will be reviewed if the wording needs to be amended and will be provided with Bid Addendum 3.				
169	Volume 1A	Section 4A Bill of Quantities	Bill No. 6a	Item No. 505(1) FF2: Floor: Self-Leveling Epoxy Paint with Hardener	N/A	There is conflict between Schedule of Finishes and Detailed Plan. Please clarify if the floor finish for Roofdeck of West Station Plaza, is FF2 Floor: Self-Leveling Epoxy Paint with Hardener.	Confirm to use FF2: Self-Leveling Epoxy Paint finish with hardener. Update Schedule finishes refer to NSRP-DWG-FTI-AR-3033/34, rev. 21.3 and NSRP-DWG-FTI-AR-3524, rev. 21.3. Both Revised drawings will be issued with Bid Addendum 3.				
170	Volume 1A	Section 4A Bill of Quantities	Bill No. 6a	Item No. 537(1) FF4 Floor: 600 x 600 x9.5mm Double Charge Vitrified Ceramic Floor Tile	N/A	FF4 Floor: 600 x 600 x 9.5mm Double Charge Vitrified Ceramic Floor Tile is not indicated on schedule of finishes nor its is reflected on Detailed Plan of West Station Plaza. Please clarify.	*Item No. 537(1) -- FF4 Floor: 600 x 600 x9.5mm Double Charge Vitrified Ceramic Floor Tile is not required based on drawing NSRP-DWG-FTI-AR-3033, rev. 21.3 PIN 537(1) -- FF4 Floor: 600 x 600 x9.5mm Double Charge Vitrified Ceramic Floor Tile will be deleted in BOQ Bill No. 6a The BOQ and drawing will be amended and provided with Bid Addendum 3.				
171	Volume 1A	Section 4A Bill of Quantities	Bill No. 6a	N/A	N/A	FF5: 900 X 900 Non-skid polished Granite Floor tile not included on Bill of Quantities but included on Schedule of Finishes and reflected on Detailed Plan of West Station Plaza. Please clarify.	Based on drawings NSRP-DWG-FTI-AR-3033 & 3523, rev. 21.3, FF5 is 300 x 600 x 30mm Non-Skid Polished Granite Stone. This will be included as PIN 536(1) under Bill No. 6a. The BOQ and drawing will be amended and provided with Bid Addendum 3.				
172	Volume 1A	Section 4A Bill of Quantities	Bill No. 6a	Item No. 412(a) CHB Wall, Non-Load Bearing (Incl. Reinforcing Steel); $\geq 150\text{mm}$; (2 hrs. Fire Rating)	N/A	Please specify location of CHB Wall, Non-Load Bearing (2 hrs. Fire rating) for West Station Plaza.	All exterior walls at West Station Plaza shall be 2 hrs Fire Rating except Fire walls and Elev. Shaft. Fire walls which will have 4 hr Fire rating. Refer to NSRP-DWG-FTI-AR-3905 rev. 21.3 which will be provided with Bid Addendum 3.				
173	Volume 1A	Section 4A Bill of Quantities	Bill No. 6a	Item No. 548(2) CF2 Ceiling: Acrylic Latex Paint (Semi-Gloss; Soffit of Slab/Beams etc)	N/A	No indicated ceiling finish for concrete canopy on Schedule of finishes but is reflected on Ceiling Plan of West Station Plaza. Please clarify if the ceiling finish for concrete canopy is CF2 Ceiling: Acrylic Latex Paint.	Please refer to Updated Drawing sheet no.: NSRP-DWG-FTI-AR-3434 , rev. 21.3 and NSRP-DWG-FTI-AR-3033, rev. 21.3. Confirm to use CF1: Painted slab/ beam soffit, use acrylic latex paint finish. The revised drawings will be provided with Bid Addendum 3.				
174	Volume 1A	Section 4A Bill of Quantities	Bill No. 5	Item No. 554(11) 900mm x 1800mm Bed	N/A	Item no. 554(11) 900mmx1800mm Bed is not found in the drawings but indicated in the Bill of quantities. Please provide its location.	PIN 554(11) -- 900mm x 1800mm Bed is not required based in drawing NSRP-DWG-FTI-AR-3622, rev. 21.2 as provided with Bid Addendum 2. Item to be deleted and the revised BOQ will be provided with Bid Addendum 3.				
175	Volume 1A	Section 4A Bill of Quantities	Bill No. 5	Item No. 554(21) 600mm x 600mm, H=750mm, Metal Side Table with Drawer	N/A	Item no. 554(21) 600mm x 600mm Metal Side Table with drawer is not found in the drawings but indicated in the Bill of quantities. Please provide its location.	PIN 554(21) -- 600mm x 600mm, H=750mm, Metal Side Table with Drawer is not required based in drawing NSRP-DWG-FTI-AR-3622, rev. 21.2 as provided with Bid Addendum 2. Item to be deleted and the revised BOQ will be provided with Bid Addendum 3.				
176	NSRP FTI Station Package CP S-03b Detailed Design Architectural Drawings		NSRP-DWG-FTI-AR-3622	Furniture and Equipment layout Plan 2	N/A	As we review the drawings, 750mm x 1800mm table is found in the furniture layout but it is not included in the BOQ. Please confirm if this item will be included in our pay items.	Yes, 750mm x 1800mm table is part of the Scope of Works. BOQ to be revised/updated to include pay item for 750mm x 1800mm Meeting Table (T2) as shown in drawing NSRP-DWG-FTI-AR-3622, rev. 21.2 as provided in Bid Addendum 2. The revised BOQ will be provided with Bid Addendum 3.				
177	Volume 1A	Section 4A Bill of Quantities	Bill No. 7 page 63	200(1) Removal of Existing Asphalt/Concrete Paving and Basecourse	N/A	Kindly provide the thickness of the Existing Asphalt/Concrete Paving and Basecourse.	The Bidder can assume the following: PCC Pavement: 300 mm 250 mm Subbase: 250 mm				
178	Volume 1A	Section 4A Bill of Quantities	Bill No. 7 page 63	200(1) Removal of Sidewalk and Median	N/A	Kindly provide the thickness of Sidewalk and Median.	The thickness is 100mm of concrete paving.				
179	Volume 1A	Section 4A Bill of Quantities	Bill No. 7 page 63	200(1) Removal of Lighting Poles	N/A	Kindly provide the height of Lighting Poles.	Itm is the height of lighting poles as per reference drawing no. NSRP-DWG-STA-EL-5005 revision 21.3 and will be provided with Bid Addendum 3				
180	Volume 1A	Section 4A Bill of Quantities	Bill No. 8 page 67	101(4) Removal of Existing RCPC	N/A	Kindly provide the size of existing RCPC.	This Pay Item has been removed from the BOQ in Bid Addendum 6 since it does not relate to the East Service Road				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
181	Vol 1A Sec 4A BOQ 20210407 NSRP-DWG-FTI-EL-5803 NSRP-DWG-FTI-EL-5813 NSRP-DWG-FTI-EL-5815 NSRP-DWG-FTI-EL-5816		Bill No. 5 Bill No. 6a Bill No. 6b	CCTV System	N/A	Please clarify if the BOQ items CCTV System is included in CP 5-03b Scope. Bill of Quantities includes CCTV System in scope, while Bid Drawings FTI-EL-5803, 5813, 5815, & 5816 refers to this as a part of scope of CP NS-01.	The CCTV System is excluded in the scope for both At-Grade Station and Underground Station. The Scope of Works and BOQ will be amended in Bill 5, 6a and 6b and will be provided with Bid Addendum 3.				
182	Vol 1A Sec 4A BOQ 20210407 NSRP-DWG-FTI-EL-5825		Bill No. 5	Access Control System	N/A	Access Control System is not included in BOQ. Please confirm if it is part of our scope.	*Please refer to revised BOQ which will be issued with Bid Addendum 3 for the following Access Control System pay items: Access Control System 715(2)a - Control PC for ACP 715(2)b - Access Control Panel (incl switch hub & patch panel) 715(2)c - Controller 715(2)d - Fingerprint Reader 715(2)g - Exit Pushbutton 715(2)h - Door Contact 703(6)d - RS 485 Cable, 18AWG 707(6)e - Cat 6 FTP Cable 707(4)j - 20mm dia IMC				
183	CP 5-03b_03_FTI_EL		NSRP-DWG-FTI-EL-5422, NSRP-DWG-FTI-EL-5500 - NSRP-DWG-FTI-EL-5503	FTI Station Panelboard Load Schedule	N/A	Please specify kAIC ratings for the Panelboards	The kAIC ratings for the Panelboards are to be determined by the Contractor as part of their Detail Design responsibility.				
184	Architectural Drawings > 4_S-03b_MPFS > CP 5-03b_04_FTI_ME_PL_SN_FS		page 4	NSRP-DWG-FTI-ME-5620 / FTI STATION VENTILATION LAYOUT PLATFORM LEVEL	Exhaust Fans	Please provide the size of Fire Dampers attached on EF-01	Fire Damper (FD) size is 1000x1000 maximum, final dimension shall be validated by the specialist subcontractor and the Engineer on site to suit the actual requirement and site condition. A note is added to drawing NSRP-DWG-FTI-ME-5620 to be submitted as rev 21.3 and will be provided with Bid Addendum 3.				
185	Volume 2 Book 1		NSRP-DWG-ATG-ST-4002 NSRP-DWG-ATG-ST-4102	Jet Grouting		According to the Schedule of Ground Treatment, Jet Grouting (Type 2) is to be applied from 18900 km to 19441 km. However, indicated in the drawings (NSRP-DWG-ATG-ST-4102) that this span is Earth Cut and Embankment (No ground improvement). Please clarify if this area includes Jet Grouting.	Yes, the Bidder's understanding is correct. Ground Treatment Jet Grouting (Type 2) shall be applied in the specified from KM18+900 to KM19+441. As shown in the profile, a hatch 4.5m deep is included showing the extent of the Jet Grouting. The Earth Cut indicates that the rail level for the ATG is lower than the existing ground level.				
186	Volume 2 Book 1		NSRP-DWG-ATG-ST-4002	Jet Grouting		If Ø2500 mm is not achievable due to soil condition and equipment limits, can we propose a smaller diameter such Ø2100 mm while adjusting the spacing to reach the target soil improvement rate of 40%?	Yes, the diameter can be adjusted subject to approval of the Engineer.				
187	Volume 2 Book 1			Jet Grouting		Aside from Jet Grouting Technique, can we propose a different soil improvement technique applicable to the soil condition on the Jet Grouting areas?	During construction the contractor can submit different soil improvement techniques but these are all subject to approval of the Engineer. Different soil improvement techniques must reach the target soil improvement rate.				
188	FTI Station Civil Drawings		44, 45 of 99	NSRP-STN-CE-FTI-0044		It is shown that two emergency staircases in the drawing. But there are three emergency staircases in the drawing of NSRP-UT-CE-FTI-0004. Please clarify how many emergency staircases are needed. Also, if we need 3 staircases, then the detailed drawing of 3rd staircase should be issued.	All relevant drawings in the construction plan have been revised to two emergency staircases. The revised drawings will be issued with Bid Addendum 3.				
189	Vol. 2	Section 6 II Drawings	P2.56_H(DWG)J.31Mar20 21_04_Civil_GN	NSRP-GN-CE-CD-0003, 0005		*In the referred drawings, 150mm thickness of dashed line beyond the 250mm platform slab is shown but no descriptions for this dashed line is provided. Please clarify.*	This is the architectural finish required on top of the platform slab. This is a part of Design and Build scope.				
190	Vol. 2	Section 6 II Drawings	P2.56_H(DWG)J.31Mar20 21_04_Civil_FTI	NSRP-STN-CE-FTI-0053-0097		*Reinforcement details for Section A-A(1-4), B-B(4-6), C-C(6-15), D-D(15-17), E-E(17-40), H-H(47-65) and I-I(65-73) are provided. But no reinforcement details for transversed section of 40-47 and 73-136 are provided. Please clarify.*	The estimated quantity of the rebar is included in the BOQ. The reinforcement drawings will be provided in IFC set of drawings				
191	Vol. 2	Section 6 II Drawings	P2.56_H(DWG)J.31Mar20 21_04_Civil_FTI	NSRP-STN-CE-FTI-0040-0052		Please provide reinforcement details for Entrance-1, Entrance-2, Emergency Staircase-1, Emergency Staircase-2 and Ventilation Shafts.	The estimated quantity of all structural works the rebar are included in the BOQ. For all Building Works as per Design and Build portion, like staircases, Bidder is responsible to take off the quantities and calculate the necessary reinforcement, see also ODS clause 3.				
192	Vol. 2	Section 6 II Drawings	P2.56_H(DWG)J.31Mar20 21_04_Civil_FTI	NSRP-STN-CE-FTI-0035 NSRP-STN-CE-FTI-0064		In the drawing No. of NSRP-STN-CE-FTI-0035, Section B-3 is showing that the thickness of the vertical structural wall at B2F is 1200mm. But the drawing No. of NSRP-STN-CE-FTI-0064, the wall thickness is shown as 1000mm. Please clarify.	The drawing NSRP-STN-CE-FTI-0064 is correct.				
193	Vol. 2	Section 6 II Drawings	P2.56_H(DWG)J.31Mar20 21_04_Civil_FTI	NSRP-STN-CE-FTI-0035		In the referred drawing, Section B-3 is showing the Cinder Concrete on the floor of Main Building. Please clarify which bill item covers the above Cinder Concrete.	Cinder Concrete is treated as not Civil Item but Architecture item. Therefore, this item is included in the Design and Build portion and shall be included in the Price Schedule.				
194	Vol. 2	Section 6 II Drawings	P2.56_H(DWG)J.31Mar20 21_04_Civil_FTI	NSRP-STN-CE-FTI-0016-0021		In B2F Plan drawings, internal vertical wall with thickness of 500mm, 400mm, 600mm, 200mm and 800mm but the reinforcement details for these walls are not provided. Please clarify whether no reinforcement for these walls is required.	Yes, the estimated quantity of the rebar is included in the BOQ. The reinforcement drawings will be provided in IFC set of drawings				
195	Vol. 2	Section 6 II Drawings	P2.56_H(DWG)J.31Mar20 21_04_Civil_FTI	NSRP-STN-CE-FTI-0026, 0029, 0032		In the referred drawings, drainage pits are found under the B2F Slab. But reinforcement details for these drainage pits are not provided. Please clarify.	The estimated quantity of the rebar is included in the BOQ. The reinforcement drawings will be provided in IFC set of drawings				
196	Vol. 2	Section 6 II Drawings	P2.56_H(DWG)J.31Mar20 21_05_Civil_TBM	TN-CE-TBM-0009-0026		In the referred drawings, three types of segment lining reinforcement are provided as Type1, Type2 and Type3. Please clarify which type is to be considered for the Project.	*The exact location of the three different rings will be provided by the Employer/Engineer and provided with the IFC drawings. Currently, the three different types were designed considering the soil overburden and geotechnical data. For the calculation of BOQ, the provided numbers are based on the largest requirement of reinforcement.				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
197	Vol. 1A Section 4A - Bill of Quantities Vol. 2 Section 6 - E-1-Underground Technical Specifications		64 page 120 page	- -	Bill of Quantities : Drilled Steel Bars with Epoxy Resin - Drilled Re-bar φ16 (Item No.200B(3)) Specifications : Drilled Re-bar for Slab to Diaphragm Wall of Entrance/Ventilation Shaft	Having reviewed drawings in the provided tender documents, the bidder could not find details for the referred item. Please specify which part of Diaphragm Wall needs the above item and provide detailed drawings.	This will be a collar ring beam around the opening of the D-Walls for Ent/exits, shafts.				
198		Section 6 General Specifications GS131.4	GS111	131.4 Safety Considerations	The safety boardings shall be located a minimum of 2.000m to the face or any component of the fence on the PNR side from the nearest rail of the adjacent PNR railway track to leave at least 800mm clearance inside the PNR zone for personnel safety purposes.	In the section of FTI distance between D-wall and the center of Temp. PNR is measured approximately from 2.0m to 3.0m. Based on GS131.4, safety boarding shall be installed min 2.72m far away from the center of Temp. PNR. It means there are no sufficient space to install safety boarding along Temp. PNR. Please clarify whether the bidder's understanding is correct, and whether the center line of Temp PNR can be moved further away from D-wall. 	The most critical location is the north end, i.e. the launching shaft. There will be sufficient space during the construction of D-wall after the relocation of PNR track. After completion of D-wall the Bidder will have more space to erect boarding. The alignment of Temporary PNR track cannot be moved. "				
199	Vol. 2	Section 6 II Drawings	DRG No. NSRP-SW-ALT-PL-D-0001-0004	Track Alignment		The Bidder found the temporary PNR track alignment with the following titles in the referred drawings. 1) PNR Temporary Track (Step2, East Side) 2) PNR Temporary Track (Step3, Relocation Pocket Track) 3) PNR Temporary Track (Step4, Relocation Pocket Track) Please clarify and provide details for the above.	"PNR will relocate the tracks before commencement of the works to the west (Step 1). Any further relocation of tracks (Step 2, 3 and 4) will be coordinated by the Contractor with PNR to suit the Contractor's construction programme. Reference is made to the Provisional Sum 18				
200	Vol. 2	Section 6 IA - Scope of Works		2.2.5 Relocation of Existing PNR Operating Tracks and Structures	The temporary single track needs to be relocated during the construction period in CP 5-03b to enable the construction of structures and building of the Project. The relocation works are to be carried out by the CP 5-03b Contractor who shall liaise with PNR directly and closely for the schedule and sequence of works and shall cooperate with PNR.	As per Addendum No.1, the relocation of the temporary single track shall be carried out by the Contractor. In consideration of the nature of works, such work appears not suitable to the Contractor's position and, therefore, there will be high chance to delay the whole project. For benefit of the Project, please reconsider the Contractor's scope in the relocation works.	"PNR will relocate the tracks before commencement of the works to the west (Step 1). Any further relocation of tracks (Step 2, 3 and 4) will be coordinated by the Contractor with PNR to suit the Contractor's construction programme. Reference is made to the Provisional Sum 18				
201	Vol. 2	Section 6 IA - Scope of Works		2.2.4 East Service Road	For the East Service Road, one of the two lanes will be closed for approximately 12 months, and the bidder shall provide a construction plan and traffic management and diversion plan to include the obtaining of necessary approvals relevant government and other authorities, formulated on the premise that the diaphragm wall along the east side of FTI station can be constructed during this lane closure so that the total construction period is maintained.	From the referred clause, the Bidder understand that one lane of NEW East Service Road will be closed for 12 months as per the Contractor's work schedule.	The Contractor will be allowed to close one on the two lanes of the current East Service Road for a period of twelve months The Contractor shall be responsible to carry out temporary diversions of the East Service Road as and when required to suit his construction sequence and the proposed method of construction.				
202	Vol. 2	Section 6 II Drawings	DRG No. NSRP-DWG-VIA03b-RD-3017	AT GRADE MAINLINE KING POST RETAINING WALL PROFILE SHEET		In the referred drawings, total panel depth between Station D-340 - D-350 indicates 0.75m. The Bidder understands that it shall be read as 1.75m. Please confirm.	Yes, this is confirmed. The drawing will be revised as Rev 21.3 and will be included in Bid Addendum 3.				
203	Vol. 2	Section 6 II Drawings	DRG No. NSRP-DWG-VIA03b-RD-2015	KING POST RETAINING WALL DETAIL SHEET		Please provide the detail of the connection between the king post and the chain link fence column.	Connection details to be provided under the revised drawing NSRP-DWG-VIA03b-RD-2015 Rev 21.3 which will be issued with Bid Addendum 3				
204	Vol. 2	Section 6 II Drawings	DRG No. NSRP-DWG-VIA03b-RD-2015	KING POST RETAINING WALL DETAIL SHEET		Please provide a layout that shows the chain link fence alignment including start and finish points.	Chainlink fence layout is shown in drawing NSRP-DWG-VIA03b-RD-3012 to 3013 Rev 21 dated March 26, 2021 and to follow king post retaining wall alignment. Refer to drawing NSRP-DWG-VIA03b-RD-2002 Rev 21 dated March 26, 2021 for fence legend.				
205	Vol. 1A	Section 4A Bidding Forms - Bill of Quantities	Varies	Varies	(1) 2001(6) Clearing and Grubbing : Clearing and Grubbing for Station appears to be included into 101(1)a Clearing and Grubbing for Mainline and Stations in Bill no. 2. (2) 2008(3) Drilled Re-bar φ16: Please clarify the detail (3) (Varies) Structure Excavation : Please clarify basis of measurement for payable excavation volume. i.e. bottom width, slope and etc.		3)Please refer to the CP 5-03b, Technical Specifications, TS 200, Section 201, Sub-Section 201.5; Clause 201.5.2.				
206	Vol. 2	Section 6 II Drawings		NSRP DETAIL DESIGN PACKAGE CP 5-03b FTI STATION CIVIL DRAWINGS		The referred drawing set (FTI Station civil drawings) provide no details for elevation of the structure. Please provide revised drawings with such information in the following addendum.	Bidder's Request for Clarification is unclear and is requested to provide more details in their Bid Queries. Elevation drawings have been provided in the bidding document.				
207	Vol. 2	Section 6 II Drawings	Varies	Varies		In the provided drawings indicate 2 elevation system NSRP EL and MMSP EL. And the Bidder understand NSRP EL refers to the Manila MSL and the difference between the above elevation systems is 99.75 as per, inter alia NSRP-DWG-FTO-AR-0000. However drawings NSRP-STN-CF-FTI-0000 please confirm and elaborate the elevation systems employed in the drawings.	"Please refer to the note NSRP-DWG-VIA03b-RD-2002 MMSP has added 100 m to all their levels to avoid negative levels because of underground works The elevation levels will be rectified in the IFC drawings "				
208	Vol. 2	Section 6 II Drawings	DRG No. NSRP-DWG-AGT-ST-4305-4306	VIA03B AT GRADE SECTION ELEVATION SHEET		The Bidder found that top of jet grout is placed above the bottom of the structure slab in the panel no. W275, W276 and W277. Please Clarify.	The top of the jet grouting hatch must be exactly at the bottom of the bottom slab. Reference is made to the revised drawings: NSRP-DWG-AGT-ST-4305-4306 Rev 21.3 which will be provided with Bid Addendum 3.				
209	Vol. 2	Section 6 II Drawings	DRG No. NSRP-DWG-AGT-ST-4305-4306	VIA03B AT GRADE SECTION ELEVATION SHEET		The Bidder found that the proposed soil improvement (jet grout) is planned to cover the soil layer above part of the underground station structure. Considering the fact that the soil layer above the underground stations will be backfilled by layered compaction, additional soil improvement appears unnecessary. Further, if the soil improvement need to implemented after the station works, it will have negative impact to the Contractor's optimization in planning work process. Please Clarify.	Yes Bidder is correct. the ground treatment located above the underground box is not required. Ground improvement shown on the following sheets removed: NSRP-DWG-ATG-ST-4002, 4100 to 4103, 4300 to 4309 NSRP-DWG-VIA03b-ST-0011 to 0016 Drawings to be issued as Rev 21.5. BoQ to be revised. Pay item 228(1)j - Jet Grouting, 2500mm dia. to be deleted in the BOQ. The revised documents will be included in Bid Addendum 5 (drawings) and Bid Addendum 6 (BOQ)				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
210	Vol. 2	Section 6 II Drawings	-	-		The Bidder understands that embankment or earth cut shall be made to form the At-grade surface as required by the Employer's design. However, the Bidder cannot find details or requirement for the slope which may be generated along the contract boundary. Please advise.	The bidder is referred to drawing NSRP-DWG-VIA03b-RD-2003 to RD-2007 Rev 21 dated March 26, 2021 which shows the embankment formation along the main alignment.				
211	Vol. 2	Section 6 II Drawings	DRG No. NSRP-DWG-VIA03b-RD-3012, 3015	AT GRADE MAINLINE MAINTENANCE ROAD PLAN STA. 18+350 TO 19+050		The referred drawing NSRP-DWG-VIA03b-RD-3012 indicates the beginning of king post retaining wall alignment and the beginning of king post retaining wall as NSRP KM 18+660.000 and 18+684.450 respectively. The distance between the above 3 spot is 24.450m. However drawing NSRP-DWG-VIA03b-RD-3015 indicates the beginning of the chainage (0+000) and the retaining wall (20+000) with 20m distance. Please clarify which one the Bidder to follow.	The bidder to follow chainage 0+000 which is the same chainage used at king post retaining wall profile. The NSRP km is only reflected with respect to the mainline alignment. *The correct width of U Shape Structures is shown on ATG Drawing set. ATG structure width shown in the following Drawings in VIA03b revised as Rev 21.3 and will be provided with Bid Addendum 3: NSRP-DWG-VIA03b-ST-0011 NSRP-DWG-VIA03b-ST-0012 NSRP-DWG-VIA03b-ST-0013 NSRP-DWG-VIA03b-ST-0014 NSRP-DWG-VIA03b-ST-0015 NSRP-DWG-VIA03b-ST-0016 NSRP-DWG-VIA03b-ST-0018*				
212	Vol. 2	Section 6 II Drawings	DRG No. NSRP-DWG-VIA03b-ST-0017-0019, NSRP-DWG-AGT-ST-4100-4106	GENERAL ARRANGEMENT		The referred drawing sets provide the profile and description of the at grade structure divided into several sub-sections. However many discrepancies are observed. For example, at the first section from KM 18+200 to 18+296.669 one is annotated "U Shape Construction (8.80m Wide)" but the other as "U Shape Construction (8.60m Wide)". Please clarify.	Confirmed, the width of FTI Station is 18.3m wide. The dimension shown in sheet NSRP-DWG-ATG-ST-4202 is 13.50m refers to the NSRP and PNR rail dimensions. The FTI Station width or dimension was already reflected on the architectural drawing section refer to NSRP-DWG-FTI-AR-3302 to 3304				
213	Vol. 2	Section 6 II Drawings	DRG No. NSRP-DWG-AGT-ST-4101-4202	GENERAL ARRANGEMENT		The referred drawing describes the structure KM 18+549.55 to 18+769.555 as FTI Station (220000) (18.3m Wide). However the corresponding section detail (NSRP-DWG-AGT-ST-4202) is not tally with the dimension described. Please clarify.	The dimension shown in sheet NSRP-DWG-ATG-ST-4202 is 13.50m refers to the NSRP and PNR rail dimensions. The FTI Station width or dimension was already reflected on the architectural drawing section refer to NSRP-DWG-FTI-AR-3302 to 3304				
214	Vol. 2	Section 6 II Drawings	DRG No. NSRP-DWG-AGT-ST-4300-4312	VIA03b AT GRADE SECTION ELEVATION SHEET	Notes: 1. For General Notes, Refer to DWG. No. NSRP-DWG-VIA00-ST-0030	The Bidder fails to find the drawing DWG. No. NSRP-DWG-VIA00-ST-0030. Please provide it.	*VIA00 set is not available on CP S-03b. General notes added on NSRP-DWG-ATG-ST-0030. Drawing number in notes updated as "NSRP-DWG-ATG-ST-0030" in sheet NSRP-DWG-AGT-ST-4300-4312 is revised and will be provided with Bid Addendum 3.				
215	Vol. 2	Section 6 II Drawings	DRG No. NSRP-DWG-AGT-ST-4204, 4306	VIA03b AT GRADE GENERAL ARRANGEMENT		The referred drawing elaborates section details, of which chainage is approx. KM 18+975. It shows 700mm thickness slab but the corresponding section Ws278 in the drawing NSRP-DWG-AGT-ST-4306 shows 600mm thickness slab. Please clarify.	*The cross section shown in NSRP-DWG-ATG-ST-4204 is correct. The slab thickness for Ws278 to Ws281 is 700mm. The elevation shown in the revised NSRP-DWG-ATG-ST-4306 Rev 21.3 which will be provided with Bid Addendum 3.				
216	Vol. 2	Section 6 II Drawings	Varies	NSRP DETAIL DESIGN PACKAGE CP S-03b FTI - BICUTAN SECTION SLEX EAST SERVICE ROAD		Total length of the proposed East Service Road is 1+865.86 and the end point of the road is located by far beyond the demarcation between S03b and S03c. Please confirm the part of East Service Road where belongs to S03c area also falls the S03b Contractor's Scope.	The East Service Road along CP S-03c is included in the scope of works for CP S-03b, reference is made to the drawings NSRP-RD-R-FTI-001 to 004 Bidder is referred to the interface requirements in GS Appendix 4.				
217	Vol. 2	Section 6 II Drawings	DRG No. NSRP-DWG-VIA03b-RD-3013	AT GRADE MAINLINE MAINTENANCE ROAD PLAN		If the answer to the above query is affirmative, please confirm the retaining wall to be constructed at S03c area is to be constructed by others prior to the commencement of works. For clarity, the Bidder refers to the retaining wall layout plan under S03b which is to be terminated at the demarcation line (NSRP KM 19+596.372) as per the referred drawing.	East Service Road Work is constructed by CPS-03b, but the King Post & Retaining Wall in CP S-03c are constructed by the Contractor of package CPS-03c. Bidder is referred to the interface requirements in GS Appendix 4.				
218	Vol. 2	Section 6 II Drawings	DRG No. NSRP-DWG-UT-CE-FTI-0002	FTI STATION - END OF CUT & COVER UTILITIES RELOCATION PLAN UNDERGROUND		Some drawings indicate 3 nos of emergency stair cases. Please see the red cloud mark in the left figure taken from NSRP-DWG-UT-CE-FTI-0002. The Bidder cannot find any details for Emergency Stair Case in the cloud mark. Please clarify.	*All relevant drawings in the construction plan have been revised to two emergency staircases. The revised drawings will be issued with Bid Addendum 3.				
219	Vol. 2	Section 6 II Drawings	DRG No. NSRP-SW-ALT-PL-D-0001	Track Alignment		The project ROW allows to the Contractor only approx. 20 width from NSRP KM 18+200 to 18+260. Considering the PNR single track in operation and size of the proposed at grade structure, the construction within given ROW is very challenging. Please reconsider expansion of ROW for this section.	The expansion of ROW shall not be considered due to the existing structures both side. The Bidder will be required to plan within ROW with PNR operation.				
220	Vol. 2	Section 6 II Drawings	DRG No. NSRP-SW-ALT-PL-D-0001-0004	Track Alignment		The Bidder understands that diversion of existing PNR tracks to the temporary single track will be done by others before the commencement of the project. Please provide detail of the diverted single-track including width and elevation for railway and embankment.	There is no information available yet because of that the diverted single track will be designed at a later stage. However please be noted that the diverted track will be similar to the existing PNR track. The width of railway will be refer to the drawing SW-ALT-RS-D-0001.				
221	Vol. 2	Section 6 II Drawings	DRG No. NSRP-DWG-UPP-ST-0021-25	UNDERGROUND PEDESTRIAN PASSAGEWAY CONSTRUCTION SEQUENCE		The referred drawing proposes the reaching side shaft of which width is 11600mm. However the allowed space between ROW line and FTI station wall is physically not enough to accommodate such structure. Further, the space cannot be fully utilize due to the temporary PNR track in operation. Please clarify.	The 11.6m width can be varied to suit the site conditions. The PNR track will be diverted from the west side of FTI to the east side during the installation of the diaphragm walls for the station and the works associated with the west passage way are to be carried out at this time.				
222	Vol. 2	Section 6 II Drawings	DRG No. NSRP-STN-CE-FTI-0037, 0038	FTI STATION GENERAL DRAWING SHEET		In the referred drawings, the proposed box structure in section from F-8 to G6 is to be constructed by cut & cover method. Can the Contractor propose to build part or whole of these sections by diaphragm wall? In consideration of narrow work space and heavy retaining structures for cut and cover method, it may commercially and technically benefit.	After award the Contractor may propose to the Engineer to construct this section using diaphragm walls being subject to relevant FIDIC clauses about the value engineering.				

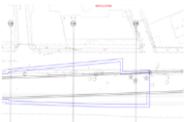
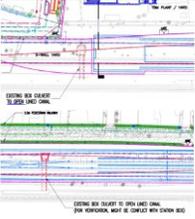
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
223	VOLUME 2 / PART II	SECTION 6 / SPECIFICATIONS / ODS / OUTLINE DESIGN SPECIFICATIONS	N/A	23.3.2.2.3	N/A	Please provide Particular Specifications for Tunnel Ventilation and smoke control Strategies, including specifics about coordination ventilation systems between the stations (FTI & Secure) and the Tunnel, Overall tunnel normal / emergency ventilation strategy input.	"In principle, in the event of normal operation, the mode is Natural ventilation by Piston Effect, in the event of Congestion and emergency, the mode is mechanical ventilation. Bidder is referred to the requirements in the Outline Design Specification and relevant Underground Technical Specifications as well as the GS Appendix 4 Contractor's Interface Coordination with Others. For a detailed demarcation Bidder is referred to the demarcation drawings and memorandum as provided in an appendix to the Scope of Works in Bid Addendum 3 .				
224	VOLUME 1 Part 1 - Bidding Procedures	Section 1.2,3 and 5		2.4 Construction Experience 2.4.1 Contracts of Similar Size and Nature	Participation as a contractor, JV partner, or subcontractor, in at least one contract that has been successfully or substantially completed within the last ten (10) years immediately prior to the bid submission date and that is similar to the proposed works, where the value of the Bidder's participation in each of the following works exceeds US Dollars Three Hundred Ninety Million (390,000,000). The similar work shall mean the project including the following works: 1. Tunnel works 2. Underground Railway Station works 3. At Grade Railway Station works	Please kindly clarify if the contract experience shall meet the three conditions at the same time (i.e. a contract including Tunnel Works + Underground Railway Station Works + At Grade Railway Station Works) or can meet them separately or in any combination of them, i.e.: a) Tunnel Works + Underground Railway Station Works b) Underground Railway Station Works + At Grade Railway Station Works c) Tunnel Works + At Grade Railway Station Works, etc...	"Bidder is advised that EQC 2.4.1 is revised in Bid Addendum 2 as follows: The similar work shall mean the project including the following works: 1. Construction of Underground Structure (rail, road or other purpose) of continuous nature"				
225	Volume 2 - Drawings - Architectural Drawings - Structures		N/A	CP 5- 03b_02_FTI_ST_structural - DRG NSRP- DWG-FTI-ST-4101	Drawing notes states: 5. Provide 36mm Diameter X10.000mm length @ 1.000mm O.C. dowel bars from MMSRP top slab embedded at the center or footing girder of NSRP.	Please confirm dimensions and distance of dowel bars are correct. If so, please clarify exact location of those bars.	The dimensions are confirmed. Please refer to notes in NSRP-DWG-FTI-ST-4101 rev 21.2 with Bid Addendum 2. These dowel bars should be installed along the foundation girders of FTI at-grade station in contact with the top slab of the Underground Station.				
226	Volume 2 - Drawings - Architectural Drawings - Structures		N/A	CP 5- 03b_02_FTI_ST_structural - DRG NSRP- DWG-FTI-ST-4101	There are inconsistencies between the At grade and the Underground drawings regarding the connection between the two stations.	Please clarify if the connection shown in the at grade structural drawings is the one to be considered	Reference is made to drawing NSRP-DWG-FTI-ST-4211 to 4214 which shows the top of the slab is NSRP EL +16.75 m and MMSRP EL +116.50 m and the proposed Foundation Girders. The Foundation Girders structurally align the At Grade and Underground Station, however they do not structurally connect the two stations. There will be no Foundation Girders at locations where staircases, escalators and elevators are foreseen.				
227						With regard to the subject project, we would like to bring your kind attention that we are currently under preparation of the tender proposal with keen interest to be involved in this project. However, we are facing an insufficient time to prepare a competitive and a compliant proposal to meet the requirements of bidding documents due to multiple reasons. 1) In consideration of the design responsibility of the design & build portion and the complex nature of the works, our design study and design development necessitate a further time extension to the current bid schedule. 2) Under COVID-19 circumstances, we are facing trouble with international travels so that we are not able to conduct either a site survey or a market survey at the moment. For the competitive proposal, a further time extension is required. 3) A vast amount of new information and changes were made against the original ITB by the addendum No. 1 and 2. For the review and study of the addenda, a further time extension is required. For the foregoing reasons, we are of the opinion that additional tender preparation period is certainly necessary, and respectfully request for at least 10 (Ten) Weeks extension from the current bidding date. Your positive understanding and favorable response to our request would be very much appreciated.	Bid submission extended for 30 days. Refer GBB No. 19	Closed	Yes	19	
228						We are very much interested in the Bid of the above-mentioned project, however our team will require more time to come up with a complete and competitive proposal. To prepare an exact estimation as per your requirement and to make our best competitive offer, we would like to request for an extension on the bid submission date from 7th of August to 7th of November 2021. We look forward to your favourable consideration and assuring you the best of our services.	Bid submission extended for 30 days. Refer GBB No. 19	Closed	Yes	19	
229						On 10 June 2021, General Bid Bulletin (GBB) No. 10 was issued, and given the stringent time from the issuance of GBB No. 10 to the bid submission date, we would like to request for the deadline of the bid submission to be moved on 08 NOVEMBER 2021. The issuance of GBB No. 10 significantly affect our bid preparation on various matters such as the technical proposal particularly on the design component, commercial proposal, environmental requirement, soil report. Moreover, the COVID-19 pandemic instigated delays to engage into various significant tasks such as site survey, design development, design validation and re-validations, quantity take-off, preparation of clarification for tender condition, request for quotations, pre-bid negotiations, discussion with the consultant and among other. To detail further -- For Design and Build consultant: - For this item, we hardly get and engage to the consultant here and abroad due to pandemic. Also, we need to study and collaborate with the designer to have a competitive one. Thus, we have to be keen in the detail design since this part need to be precise. It would be necessary for us to spend more time on collaborating for this. Therefore, we need to get consultants with expertise on this matter. Site Survey and Additional Geotechnical report: - We need a detailed site survey for this type of project to be competitive. Also, we need to engage consultants to do the soil report on the stretch of tunnel area. Given the pandemic, it is difficult to coordinate with the private owners and local authorities for designated locations. Site data is not sufficient for this area. We would like to ask you to accept to keep substantial time for site survey and investigation. We would like to highlight the complexity of this project, given that it is a design and build. Therefore, it takes time to come up with a competitive bid.	Bid submission extended for 30 days. Refer GBB No. 19	Closed	Yes	19	

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporated in Bid Document (version)	Published	Included in (GBB No.)
230						In accordance with our on-going preparation for the bid of the above mentioned project, we would like to request your good office for an extension of bid submission from 07 August 2021 to 21 September 2021. The said request submission extension is for us to have more time to further review the bid documents to come up with a fully responsive bid. Not to mention, we have yet to receive responses to our queries. Moreover, the extra time is needed for our specialty/domestic subcontractors and suppliers to complete their respective proposals to be part of our bid. Trusting for our usual understanding and consideration of our request.	Bid submission extended for 30 days. Refer GBB No. 19	Closed		Yes	19
231	1. GBB 13 dated June 11th, 2021 2. GBB 14 dated June 17th, 2021 3. GBB 15 dated June 23rd, 2021 4. GBB 17 dated July 07th, 2021					Reference to the tender of "South Commuter Railway Project Package No. CP 5-03b", the Bidder would like to inform the Employer that the Bidder along with their most experienced teams within the headquarter as well as within their overseas branches and sites, have been giving utmost effort to prepare to prepare a solid submission dossier including the best and competitive price proposal with the best technical competence in order to fulfill the Employer's requirements. We would like to remind that the above referenced General Bid Bulletins, in many clarifications it was mentioned that the Addendum 3 would be published and the bidders were directed to this addendum. However, Addendum 3 has not been published yet, in which we believe significant number of changes will be included in these amendments/addendums. In the light of the above-mentioned information, and considering all the addendums to be published as soon as possible, we kindly would like to request 8 weeks extension from the due date of the final submission for these related tenders. We kindly wish you to understand the practical issue as stated above for working out the most competitive price and hoping you will be kind enough to consider our request for this extension of time.	Bid submission extended for 30 days. Refer GBB No. 19	Closed		Yes	19
232	General Bid Bulletin no.9			No.6	Employer's response: Tunnel lighting and outlet is included in the Contractor's Design Scope for S-03b package.	Bidder is understanding that electrical design scope of tunnel is only lighting and outlet including related cable and raceway. Please inform if there is other scope of design for electrical.	Correct, for the electrical works, the scope will comprise of lighting, outlet and smoke extraction fans power supply including related cable and raceway.				
233	Vol. 2	Section 6 1A- Scope of Works	ER23	2.6.1	The CP 5-03b Scope includes - LV Power Supply System - Lighting Fixtures System - Socket Outlet (Receptacle) System - Grounding System - Lightning Protection System - Fire Detection and Alarm System - Building Management System (BMS)	There is no design scope for Access Control System(ACS) but drawing for ACS(NSRP-DWG-FTI-ELV-2045) is included in tender drawing for underground. Please clarify if ACS is scope of design for contractor.	Correct, ACS is included in the design scope of the Contractor.				
234	Vol. 1	Section 4A - BOQ No.5		Item No.557(8)a	[Item No.557(8)a] Elevator Nos. 1 & 2 for FTI Station, 1050 kg. Capacity, 3 stops	It seems that 'Item No.557(8)a' is for Elevator Nos. 4 & 5. Bidder is understanding like below. -Elevator No.1,2,3: design scope of MMSP (No. 1&2 is in Entrance 1 and No.3 is in Entrance2) -Elevator No.4,5: design scope of NSRP (No. 4&5 is between MMSP platform and NSRP platform of FTI station) Please clarify if bidder's understanding is correct.	Yes this is Confirmed, Bidder's understanding is correct. For further clarification, there are also three (3) elevators for NSRP scope which are Elev. 1, 2 and 3 which are located at the West Station Plaza as shown on NSRP-DWG-FTI-AR-3616 & 3617 and NSRP-DWG-FTI-AR-3565. Bidder is referred to the scope demarcation drawings as provided in Bid Addendum 3.				
235	Vol. 2	Section 6 II Drawings Book3_Underground Works Drawings	NSRP-DWG-FTI-ELL-2011_Rev.21			1. Please clarify if below cables are bidder's scope of design. If it is bidder's scope of design, please inform capacity(KVA) for transformer and generator so that we can calculate size of the cable. - Cable from Transformer to FTI-CL-MDB-01 & FTI-CL-EMDB-01 - Cable from Generator-Set to FTI-CL-EMDB-01 2. Two transformer and one generator set are by others as per drawing. Please clarify procurement and installation of these equipment is scope of contractor. (These equipment are not in BOQ of tender.)	1. Yes, correct the cables are included in the Design and Build portion. Bidder is referred to the Outline Design Specifications and relevant specifications. The Contractor can determine the size of the cables as it is a responsibility of the contractor as part of his Design and Build obligations. 2. The procurement and installation of two transformers and one generator set is excluded from the Bidder's scope				
236	Vol. 2	Section 6 IC Technical Specification (TS)	TS700-96 TS700-142	709, CATV System 715, Security System		Regarding 'underground' and 'at grade' work, please clarify scope of contractor's design for below system. Refer to current situation in (). -CATV System (There is no CATV system in BOQ for at grade) -CCTV System (CCTV system at grade was removed on the BOQ in addendum#2) -Access Control System (There is Access Control System in BOQ for at grade)	1. CATV and CCTV are excluded from the scope of CP 5-03b 2. The entire Access Control System for FTI station shall be designed by the Contractor. However, the part of Access Control System (at Plant Building and NSRP Building Ground) has been designed such as the drawings 'FTI-EL-SR21', 'FTI-EL-SR22' and 'FTI-EL-SR25'. The entire Access Control System shall be designed as one integrated system.				
237	Vol. 2	Section 6 II Drawings Book3_Underground Works Drawings	NSRP-DWG-FTI-BMS-2041_Rev.21			"BMS monitoring equipment is located in 'Station control Room' but we can not find room location on the architecture drawing. (NSRP-STN-AR-A-FTI-0300, 0301_Rev.21) Please inform the location of 'Station control Room'."	The station control room is located in the station office room.				
238	Vol. 2	Section 6 II Drawings Book3_Architectural, Mechanical and Electrical Drawings.	NSRP-DWG-FTI-EL-5011_Rev.21			1. Bidder is understanding that all power feeding cable for NSRP panel is contractor's scope of design. Please confirm if bidder's understanding is correct. 2. Please clarify the symbol in blue box. ('Bus Duct' or 'Cable')	1. Yes, Bidder's understanding is correct. 2. It means the protection by cable tray or conduit.				
239	Vol.2	Section 6 - Employer's Requirement E-1- Underground Technical	Page 65	2007 Concrete	Table 2007.2.1 Concrete Class and Properties	In the referred table, there are two types of Concrete Class E (OPC) and Class F (OPC-GGBS) for TBM tunnel segmental lining. Please clarify which type to be used for this Project.	Class E (OPC) will be apply. The table in the specifications has been amended and will be provided with Bid Addendum 5				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
240	Vol. 2	Section 6 II Drawings	P2.56_II(DW G)_31Mar20 21_01_Civil_GN	NSRP-GN-CE-CD-0025		In the referred drawing, it is shown that H-pile (300x300) is inserted to form a rigid slurry wall at the top head Cantilever part of D-wall. Please kindly advise that it is allowed for the Contractor not to extract the H-pile after completion of D-wall, if they don't interfere with other At Grade works.	Drawing NSRP-GN-CE-CD-0025 is stamped temporary works. The Contractor is responsible for temporary works and may or may not decide to use this method of support. Any temporary works which are left in are subject to agreement with the Engineer and shall not interfere with any other works by third parties and shall be cut off at least 2m below ground level.				
241	Vol. 2	Section 6 II Drawings	P2.56_II(DW G)_31Mar20 21_01_Civil_GN	NSRP-GN-CE-CD-0025		In the referred drawing, Edge Cutting Material of Concrete (L=1200) is shown. Please kindly provide descriptions for this item and the specific requirement for material.	That was the use of wrong wording. L= 1200 mm is the length till where the 1-section has to be provided. This will be normal concrete used for the construction of the D-Wall. Reference is made to the specifications regarding the D-Wall.				
242	General Bid Bulletin No.17		Query No.7		The Employer's response : The water proofing shown in these drawings are for reference purpose only. The water proofing shall be designed by the Contractor in compliance with requirements in TS and the proposal shall be submitted by the Contractor to the Engineer for approval.	It is bidder's understanding that the waterproofing for the Station Civil Structure works (Underground) is the Build Only contract (corresponding BQ item is Bill of quantities No.7, Part E Waterproofing) which means that the design work scope falls under the Employer's responsibility. But the Query No.7 in the GBB No.17 is stating that the design work scope for the aforesaid waterproofing shall be designed by the Contractor. Please clarify.	The clarification for the waterproofing should be read as follows: The Contractor shall propose the material and manufacturer in accordance with the requirements on the drawings and specifications. The proposed material and manufacturer are subject to the approval of the Engineer. Bidder is correct that the waterproofing is part of the Employer's design.				
243	Vol. 2 Vol.2	Section 6 II Drawings Section 6 - Employer's Requirement E-1-Underground Technical Specifications (UTS)	P2.56_II(DW G)_31Mar20 21_01_Civil_GN 141 Page	NSRP-GN-CE-CD-0018 2011 Waterproofing		In the referred drawing, protection concrete t=100 on the top slab and t=30 under the bottom slab is shown. But the specification stipulates that minimum 75mm thick protective concrete slab with lean concrete shall be placed on the polymer bitumen sheet with polyester reinforcement on the top slab. Please clarify which thickness is correct for protection concrete of waterproofing membrane.	Bidder shall follow the drawings: TS 2011 to be amended as : Minimum 100 mm thick protective concrete slab with lean concrete shall be placed on the polymer bitumen sheet with polyester reinforcement on the top slab. Where the top slab has been cast against a diaphragm or other face, the protective concrete shall be provided with an up-stand at the perimeter to provide a minimum 100 mm concrete protection over the turned-up membrane. The specifications have been amended and will be provided with Bid Addendum 5.				
244	Vol.2	Section 6 - Employer's Requirement E-1-Underground Technical Specifications (UTS)	142 Page	2011 Waterproofing		It is stipulated in the specification, the warranty shall cover the whole of the waterproofing systems and shall be given jointly and severally by the Contractor and the Manufacturer/Applicator for minimum of ten (10) years. For the view of the experienced Contractor, it appears that ten (10) years warranty is quite a burden which results cost impact. Please relieve the warranty period for bidders' competitive proposal.	The bidder is advised that the warranty period shall remain as stipulated in the bidding documents.				
245	Vol. 1A	Section 4A Bidding Forms - Bill of Quantities	12/76	103(1)b	Embankment (Using Common Excavation Soil)	The Bidder understands that the bill no. 2 "EARTHWORKS INCLUDING MAINTENANCE ROAD" covers all earthwork for the final elevation of the at-grade surface, and that forming the at-grade surface requires not only embankment but also earth cut as per the corresponding drawings. However the bill no.2 allows the bidder to price only embankment but has no item for earth cut. Please clarify.	The Bidder is advised to refer to the Volume 2, 02, Drawing, Civil Drawings: S-3b_A_Viaduct_At Grade and S-03b_C_Maintenance Roads. For Item 103(1)b, Please also refer to the Method of Measurement in the Technical Specifications, TS 100, Sections 102 and 103, where it is explained that cut is included in the rate of the fill.				
246	Vol. 1A	Section 4A Bidding Forms - Bill of Quantities	15/76	229(1)	Design and Build of Pre-Cast Parapet Wall Height of 2 meters including all appropriate noise reduction measures along the entire ROW	Bill of Quantity No.3 The description of the referred item makes bidders to price all appropriate noise reduction measures. Please provide details of the required noise reduction in order for bidders' proposal to allow for it.	The parapet wall itself is already the required noise reduction measure.				
247	Vol. 1A	Section 4A Bidding Forms - Bill of Quantities	65/76	600(3)	CONCRETE GUTTER	Bill of Quantity No.8 Please provide the details of the referred item.	Please refer to drawing no. NSRP-RD-RS-FTI-0001 Rev21.				
248	Vol. 1A	Section 4A Bidding Forms - Bill of Quantities	67/76	SPL-2	BUS SHELTER, (1.50 M X 21.00 M)	Bill of Quantity No.8 The Bidder understand that the bus shelters under bill no. 8 are separate ones from the bus shelter which will be constructed in the intermodal facilities. Please confirm if the Bidder's understanding is correct.	Bidder's understanding is correct, the bus shelter for North Bound shall be referred to the Intermodal Transfer Facilities Plan. Please refer to drawing no. NSRP-RD-R-FTI-0005 Rev21.				
249	Vol. 1A	Section 4A Bidding Forms - Bill of Quantities	67/76	SPL-2	BUS SHELTER, (1.50 M X 21.00 M)	If the answer to the above query is affirmative, please provide the locations for the mentioned (4) bus shelters.	For bus shelter location under Bill No.8, please refer to drawing no. NSRP-RD-R-FTI-0005 Rev21.				
250	Vol. 2	Section 6 II Drawings	NSRP-DWG-ATG-ST-4200-4206	VIA03b AT GRADE TYPICAL SECTION SHEET		The referred drawings provide typical sections of the at-grade structures. The bidder found that some of the section has no cable trough and trough cover. Please confirm absence of such structure in the designer's intention.	For NSRP At Grade Structures, the cable trough and cover is required. See drawing NSRP-DWG-ATG-ST-4201 revised as 21.3 as included in Bid Addendum 3				
251	Vol. 2	Section 6 II Drawings	NSRP-DWG-ATG-ST-4208	VIA03b AT GRADE REINFORCEMENT DETAILS SHEET 2		The bidder found reinforcement detail titled as "MMSF Underground Structure" in the referred drawing but found no structure for which the detail shall be applied. Please advise.	Bidder is referred to drawing NSRP-DWG-ATG-ST-4210.				
252	Vol. 2	Section 6 II Drawings	NSRP-DWG-ATG-ST-4207	VIA03b AT GRADE REINFORCEMENT DETAILS SHEET 1	Reinforcement detail for "10.3m Width Track Slab Reinforcement"	The referred reinforcement detail specifies the size of the upper and lower horizontal bar as 16mm (U2 N16-L1-150) unlike the other structures of which rebar size is 30mm. It looks this structure to relatively lower rebar ratio. Please confirm it is designer's intention.	The reinforcement shown in NSRP-DWG-ATG-ST-4207 is according to the calculation result for the top slab as shown in NSRP-CAL-ATG-ST-0207 page 35 to 40.				
253	Vol. 2	Section 6 II Drawings	NSRP-DWG-UPP-ST-0021	UNDERGROUND PEDESTRIAN PASSAGEWAY CONSTRUCTION SEQUENCE SHEET 1	Concrete wall in "Longitudinal View"	The bidder found a concrete wall in the referred drawings. The bidder wonder if it is existing structure or not.	The concrete wall shown in the longitudinal view is the FTI Underground Station Diaphragm wall.				
254	General Bid Bulletin No. 17 RESPONSES TO CLARIFICATIONS		3/10	Response to Clarification No. 13	The scope of the West Plaza is part of the Build only scope, reference is made to inter alia the BOQ and Drawing: NSRP-DWG-FTI-AR-3115-3118, 3523-3524, 3537-3538, etc. The three area as referred to in P2.56_II(DWG)_31Mar2021_15_SPL_FTI are indeed part of the Design and Build Scope (Intermodal Transfer Facilities).	The answer clarifies the referred three area are part of the intermodal transfer facilities. However, the bidder understand the contractor's scope includes only 2 intermodal facility areas, and the area between the main building and entrance 2 is not required. Please clarify.	Bidder is correct, reference should be made to two area which are included in the intermodal transfer facilities, respectively Entrance 1 and Entrance 2. Entrance 3 at the West Station Plaza is included in the Build Only portion and not included in the Intermodal Transfer Facilities. The facility located between the main building and entrance is the emergency staircase connecting to NSRP concourse and the structural works are included in the Build Only portion. The NSRP office within the Entrance 1 building is included in the Build Only portion. Bidder is referred to the demarcation drawings and memorandum as provided as an appendix to the Scope of Works in Bid Addendum 3.				

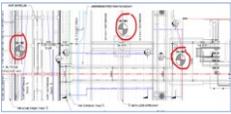
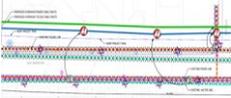
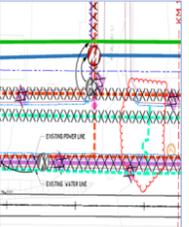
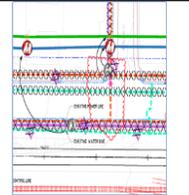
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
269	Volume 2		25	NSRP-DWG-FTI-AR-3110	Entrance Building 1	We would like to verify the clarifications made by the Employer per GBB no.17 that as stated, Entrance Building 1 / NSRP Office is included in the Design and Build Scope for the Contractor. We would like to query if the Bidder's understanding is correct that the whole Entrance Building 1 (MMSF & NSRP Scope) is included.	In general it can be concluded that the Entrance 1 Main Building is part of the Design and Build Scope. The works regarding the NSRP office within the Main Building is Build Only. For a detailed demarcation Bidder is referred to the demarcation drawings and memorandum as provided as an appendix to the Scope of Works in Bid Addendum 3.				
270	Volume 2		1	NSRP-DWG-FTI-AR-3022 [1.1.2]	Waste Handling Facility	Based on the released revised plans per Addendum 2, there is a Waste Handling Facility located beside Emergency Exit 1, we would like to verify if the said room can be relocated.	Yes, Contractor can propose to relocate the Waste Handling Facility which is subject to the approval of the Engineer. Please note that access shall be secured for collection of garbage.				
271	Vol. 2 Section 6 IC Technical Specification (TS)		TS700-71.72	706.1.6_Ratings	Distribution panel (DP): 65,000 RMS symmetrical amperes minimum interrupting capacity, unless noted otherwise.	706.1.6.4_c) Bidder understands that this requirement is applied only for two Main Distribution Panel (FTI-CL-MDB-01, FTI-CL-EMDB-01). Please clarify if bidder's understanding is correct.	Yes, Bidder's understanding is correct for MDF/LVSG. Short circuit rating shall meet or exceed the available fault current based on short circuit study to be conducted by the Contractor as per TS 706.1.5.1.				
272	Vol. 2 Section 6 II Drawings Book3, Underground Works Drawings		NSRP-DWG-FTI-ELL-2001-2006, Rev.21		There is no rating data for the distribution board.	Below data is required to calculate 'Short Circuit' and 'Ampere' rating for the distribution board. Please provide it. 1. Transformer (TR-01.02) - Capacity (kVA) - Rated Voltage(Primary/Secondary) - Percent Impedance (2%) 2. Grid Data - Short Circuit Capacity (MVA) - Impedance(X, R) 3. Generator Data - Capacity(kVA) - Rated Voltage(V)	While this is included in the Design and Build Portion the data will be provided by the Contractor for CPI06. Bidder is referred to the Outline Design Specifications and relevant specifications. The data will be provided after award. The Bidders are to make assumptions based upon their experiences. Those assumptions need to be included in the Bidder's Bid Submission / Implementation Proposals and it will be verified if these assumptions are reasonable during the Bid Evaluation.				
273	Vol. 1A Section 4A Bidding Forms - Bill of Quantities		18/26	Bill No. 11, Schedule of Provisional Sum	PS13 Ground Treatment Works improvement works as required for the execution of the works including but not limited to the Skyway at grade for the RW underground passage, the tunnel boring operation and underground works generally.	The Bidder understands that, during the tunnel boring works, the ground treatment is required due to poor ground conditions and/or cutter head interventions, the Employer undertakes the cost for such treatment works under the referred provisional sum. Please confirm.	No, the ground treatment in all locations is deemed to be part of the temporary works. The PS shall cover any items which are deemed unforeseeable under the Contract. Reference is also made to the UTS 2000-2100, 2a Tunnel Excavation regarding cutter head interventions				
274	Vol. 1A Section 4A Bidding Forms - Bill of Quantities		19/26	Bill No. 11, Schedule of Provisional Sum	PS20 Culvert Design and Construction underneath PNR Track (advance works)	Is the provisional sum associated with RCBC no. 1.2 and 37 Or is there other culvert expected underneath PNR track in the work site? Please provide further elaboration of the referred provisional item.	The Bidder is further advised that the work for PS-20 pertains to Culvert underneath PNR Track and it does not refer to the Proposed Canal nor to the Relocated Canal. As "Advance Works" - the culvert works should be implemented in advance (or ahead of the regular BOQ work items) - with systematic planning & scheduling.				
275	Vol. 1A Section 4A Bidding Forms - Bill of Quantities		19/26	Bill No. 11, Schedule of Provisional Sum	PS18 Relocation of PNR Temporary Track Relocation of PNR Temporary Track during construction works.	The Bidder understand that the PNR track relocation will be covered the referred provisional item. However the Bidder would remind that the relocation work requires construction of an additional track not to hinder the live track operation. The Bidder understands that such cost for additional track construction will be paid under the same provisional item as well. Please confirm.	Bidder's understanding is correct.				
276	Vol. 1A Section 4A Bidding Forms - Bill of Quantities		65/76	BILL OF QUANTITIES No. 8 ROAD WORKS (EAST SERVICE ROAD)	N/A	All the items under the Bill of Quantities No.8 have no T/S no, whereas items of the other bill of quantities provide it. Please provide it.	Reference is made to the revised BOQ provided in Bid Addendum 6				
277	Vol. 2 Section 6 II Drawings		NSRP-DWG-AGT-ST-4205	VIA03b AT GRADE TYPICAL SECTION SHEET 6	N/A	The Bidder failed to identify the chainage where the referred drawing of which slab thickness is 950mm, is indicating. As per the drawings "VIA 03b AT GRADE SECTION ELEVATION SHEET" (NSRP-DWG-AGT-ST-4300-4310) there seems no structure of which slab thickness is 950mm. Please advise.	Please refer to NSRP-DWG-ATG-ST-4307 Rev 21.3. Section 6 shown in NSRP-DWG-ATG-ST-4205 is approximately between WS287 and WS288 which has 950mm thick slab.				
278	Vol. 1A Section 4A Bidding Forms - Bill of Quantities		Varies	Varies	Varies	We refer the pay items regarding excavation for structure. In consideration of various excavation methods available, the excavation volume measurement shall be defined in tender stage for proper pricing. Please clarify the method/dimension/slope to calculate payable volume.	Please refer to the Technical Specifications, TS 200, Section 201, Sub-Section 201.5; Clause 201.5.2.				
279	Vol. 1A Section 4A Bidding Forms - Bill of Quantities		12/76	103(1)b	Embankment (Using Common Excavation Soil)	The Bidder understands the item 103(1)b shall cover all the surface area for main line which start from chainage 18+290m to 19+622m. Please confirm.	Please refer to drawing no. NSRP-DWG-VIA03b-RD-3011 to 3014 Rev21.				
280	Vol. 1A Section 4A Bidding Forms - Bill of Quantities		12/76	103(1)b	Embankment (Using Common Excavation Soil)	Please clarify whether the item 103(1)b is calculated by earth fill volume less earth cut volume. If the answer is affirmative, please divide 103(1)b into cut and fill item to be Bidders to obviate confusion and to make proper pricing offer.	The Bidder is advised to refer to the Volume 2, 02, Drawing, Civil Drawings: S-3b_A_Viaduct_At Grade and S-03b_C_Maintenance Roads. For Item 103(1)b, Please also refer to the Method of Measurement in the Technical Specifications, TS 100, Sections 102 and 103, where it is explained that cut is included in the rate of the fill.				
281	GBB 15			Clarification Response No. 41	Answer to query on 103(1)b Embankment (Using Common Excavation Soil) <Quote> 2. Please refer to cut and fill data generated from civil 3D submitted March 25,2021. Please also refer to the technical specifications, TS 100, Sections 102 and 103. <Unquote>	Please provide the mentioned cut and fill data generated from civil 3D.	See the file "Batch 11 103(1)b Computation 20210820.pdf" attached to this Batch 11, this data is for information only.				
282	GBB 13			Clarification Response No. 2	"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. Any discrepancy will be amended / revised in the respective Bidding Documents with Bid Addendum 3.	As per the answer for the re-measurement and admeasurement, the Bidder understands that any error found in the BOQ will be measured/corrected and paid with the rate offered by the Contractor, and that, however, the quantity changes due to change order will be measured and paid with revised rates that is agreed between the Engineer and the Contractor. Please confirm.	The previous answer is confirmed. Evaluation of new rates or prices shall be in accordance with Sub-Clause 12.3-Evaluation and the Conditions of Contract.				

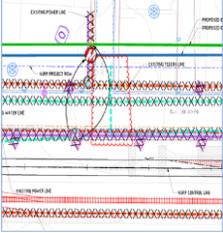
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporated in Bid Document (version)	Published	Included in (GBB No.)
283	Vol. 1A Section 4A Bidding Forms - Bill of Quantities		57/76	BILL OF QUANTITIES No. 6b UNDERGROUND PEDESTRIAN PASSAGE WAY	201(3)c Structure Excavation of Underground Pedestrian Passageway Structures	Please advise if the referred item include the excavation volume of underpinning works: launching/reaching shafts, pipe roof, etc.	Yes. Pay item 201(3)c: Structure Excavation of Underground Pedestrian Passageway Structures, includes the excavation volume of underpinning works: starting/reaching shafts and pipe roof, etc.				
284	Vol. 1A Section 4A Bidding Forms - Bill of Quantities		57/76	BILL OF QUANTITIES No. 6b UNDERGROUND PEDESTRIAN PASSAGE WAY	201(3)c Structure Excavation of Underground Pedestrian Passageway Structures	Please advise if the referred item include the excavation volume of underpinning works: launching/reaching shafts, pipe roof, etc.	Yes. Pay item 201(3)c: Structure Excavation of Underground Pedestrian Passageway Structures, includes the excavation volume of underpinning works: starting/reaching shafts and pipe roof, etc.				
285	GBB 9			Clarification Response No. 3	The Pipe Roofing Method is for reference only. The Contractor will have to propose method which is subject to the approval of the Engineer.	The Bidder noted that the given pipe roofing method is reference as per the referred clarification answer. However, the corresponding items to the work under BOQ 6b (22B(1), 117(1)b, 230(1) and 209(3)a) still have specific details and quantity. Please clarify.	The Pipe Roofing Method is for reference only. The Contractor will have to propose method which is subject to the approval of the Engineer. Bidder is referred to the revised BOQ as provided in Bid Addendum 6.				
286	Vol. 1 Section 2 Bid Data Sheet		1.3.1.3.1. Overall Project Management (Principal Aspect 1)	1.1 Key Personnel	(1) Electromagnetic Specialist	It is required to submit the CV for Electromagnetic Specialist. Please explain the exact role of Electromagnetic Specialist.	The Electro Magnetic Specialist is responsible for all EMC related matters, which shall include the following:- -Identify aspects and solutions for achieving EMC -Review design to assure EMC compliance -Adopt a technical approach to ensure EMC compatibility between co-located systems -Implement rectification and corrective measures for all EMI problems that may arise. The EMC Specialist Reviewer will conduct independent peer reviews of the EMC impact analyses and the EMC Specifications. He will also provide expertise in technical issues that may not be clearly defined in the standards. The EMC Specialist will submit evidence to demonstrate that EMC has been taken care into considerations in the design with any necessary EMC measures taken. EMC Specialist shall ensure that sensitive electronic equipment rooms and high voltage equipment rooms be segregated as far away as possible.				
287	Vol. 2 Section 6 IC Technical Specification (TS)		TS700-162	716.3.1 Installation	The system shall be wired with 3.5mm ² for power and 1.5mm ² .	Power cable shall be 2.5mm ² according to the tender drawing (NSRP-DWG-FTI-ELL-CWD-0105, Rev.21, clause no.2 of "General Notes for Fire Alarm and Detection System") Please clarify size of power cable for fire alarm and detection system.	Drawing NSRP-FTI-ELL-CWD-0105 refers to the Design and Build Scope. TS 700 applies for the Build Only Scope. The Specifications that apply for the Design and Build Scope are the ODS and the following specifications: - UTS CIVIL 100-200-300-500-600-700 - UTS ARCH 800-900-1000-1800 - UTS MEP 1100-1200				
288	Vol. 2 Section 6 IC Technical Specification (TS)		TS700-117	712.1.4 Installation	Resistance testing of ground rod system indicating maximum 5-ohm resistance to ground.	Requirement for earth resistivity shall be less than 2 ohms according to the tender drawing (NSRP-DWG-FTI-ELL- CWD-0105, Rev.21, clause no.6 of "General Notes for Earthing") Please clarify requirement for overall earth resistivity.	Drawing NSRP-FTI-ELL-CWD-0105 refers to the Design and Build Scope. TS 700 applies for the Build Only Scope. The Specifications that apply for the Design and Build Scope are the ODS and the following specifications: - UTS CIVIL 100-200-300-500-600-700 - UTS ARCH 800-900-1000-1800 - UTS MEP 1100-1200				
289	Volume 2	Section 6 - Employer's Requirements IA - Scope of Works		2.8		Section 2.8.1 states that the contractor shall directly discuss and negotiate with the landowners for land required, for temporary facilities. However please confirm that the client is responsible to provide and demolish all areas where permanent work is to be built (FTI Entrance 1, Western entrance, Emergency entrance 2 and Entrance 2. Please also confirm the hand over dates	Contractor is responsible for any land required for temporary facilities outside the ROW. Demolition of buildings within the RoW will be by the Contractor. A Provisional Sum included as extent of work not finalized at time of soliciting bids. Bidder is referred to the Site Access Delivery Schedule as provided with Bid Addendum 3.				
290	Volume 1	Section 3 - Evaluation & Qualification Criteria		2.5		Part 2.5 for Shield Tunnel Construction - Precast Concrete Segment Fabrication and Erection Items #7 and #8 make reference to "Launching Girders" and "Girder Erection". These items don't seem relevant to tunnel construction works. Please clarify	Please refer to the revised Part 2.5 issued in Bid Addendum 2. The requirement of launching girder and girder erection has been removed.				
291						Has the Diaphragm wall embedment length of 1.63m specified on the drawings P2_56_I(DWG)_31Mar2021_04_Civil_FTI been accounted for the stability of diaphragm during temporary excavation. Our assessment indicates diaphragm toe embedment length to be increased substantially to satisfy the temporary stability during excavation. Are contractors allowed to modify the D-wall embedment?	Temporary measures, including any increase to the diaphragm wall embedment length for the stability of excavation shall be proposed and conducted by the bidder/contractor. Bidder shall provide details to demonstrate their proposed methods and scope within the bid submission. The bid price shall be deemed to include all temporary measures to complete the work.				
292	Volume 2	Section 6 - Employer's Requirements IA - Scope of Works				Section 2.24 states it is possible to reduce the existing ESR to a single lane for the construction of the works which interfaces with Malugay street. Malugay street is also inside the contractors site boundary. Please confirm whether access into Malugay street needs to be maintained for the duration of the project	The access into Malugay street is required to be maintained for the duration of the project.				

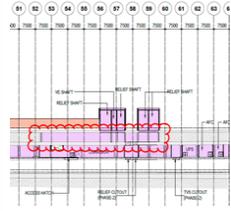
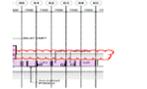
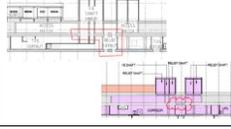
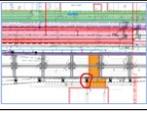
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporated in Bid Document (version)	Published	Included in (GBB No.)
293						<p>The cut and cover box between gridline 125 and 134 sits inside the ESR. Is the bidder responsible for this diversion (ie onto the permanent works) or will the client divert the road to allow unobstructed access</p> 	<p>The Bidder is responsible for the diversion including obtaining all necessary approvals from the relevant Authorities</p>				
294	Bid Addendum No. 1		ER 27	Section 6 SDW / Sketch 2.8.1.1	 <p>Potentially available land for CPV-A&B Temporary Facilities</p>	<p>The provided data is for information only. It is Bidder's responsibility to carry out their own assessment, Employer's intention is to provide information and clarification to Bidder if available.</p>	<p>If there is any information available it will be provided to the Bidder with Bid Addendum 3. However, at this moment Employer has no other information available for Bidder. It is Bidder's responsibility to carry out their own assessment, Employer's intention is to provide information and clarification to Bidder if available.</p>				
295	Bid Addendum No. 1	Section 6 Scope of Work	ER 27	2.8 Contractors Temporary Facilities 2.8.1 Provision of Land	 <p>Potentially available land for CPV-A&B Temporary Facilities</p> 	<p>The potentially available but not warranted Contractors Temporary Facility land adjacent to the Project which shall be permanent Entrance 1 building is located. Please clarify and confirm that the land will be handed over to the Awarded Bidder at the commencement date.</p>	<p>Employer is responsible to acquire the land within the ROW. Bidder is referred to the Site Access Delivery Schedule as provided with Bid Addendum 3</p>				
296	Volume 1	Section 2	Page 48 of 72	1.3.1.3 Detail of the Required Submittal Coverage for Each of the Four Principal Aspects		<p>Please confirm Clause 1.3 Proposal for the use and Reinstatement of the Site and other areas bullet (6) "Special considerations for working in tidal river environment (where applicable)." is not applicable for 5-03b project.</p>	<p>This is a general requirement and as indicated only applicable for where required. Bidder is correct, this considerations is not applicable for 503b.</p>				
297	P2_S6_H(DWG)_31Mar2021_06_Civil_UT.zip 22 NSRP-UT-CE-FTI-0001 & 23 UT-CE-FTI-0002 UTILITIES RELOCATION PLAN UNDERGROUND.dwg					<p>Please confirm Existing Utilities & Overhead Lines (Sewage, Oil Pipeline, Telecom, Electricity etc.) & Existing Box Culvert relocation is under Employer's responsibilities.</p>	<p>The existing utilities and overhead lines (oil pipe line, telecom, electricity and freshwater line) will be relocated by the Employer. The existing drainage including canal, box culvert and sewage conflicted with construction shall be the responsibility of the Bidder.</p>				

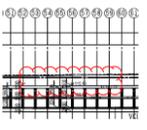
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
298	Section 7 & 8		FIDIC (GCC) 48, PCC 4	14.5 /Plant and Materials intended for the Works	<p>[The General Conditions of Contract (GCC)]</p> <p>If the lists referred to in sub-paragraphs (b)(i) or (c)(i) below are not included in the Schedules this Sub-Clause shall not apply.</p> <p>The Engineer shall determine and certify each addition if the following conditions are satisfied:</p> <p>(a)– and either;</p> <p>(b) the relevant Plant and Materials: (i) are those listed in the Schedules for payment when shipped, (ii)– (iii)– or</p> <p>(c) the relevant Plant and Materials:(i) are those listed in the Schedules for payment when delivered to the Site, and (ii)–.</p> <p>The additional amount to be certified shall be the equivalent of eighty percent (80%) of the Engineer’s determination of the cost of the Plant and Materials (including delivery to Site), taking account of the documents mentioned in this Sub-Clause and of the contract value of the Plant and Materials.</p> <p>[The Particular Conditions of Contract (PCC)] 14.5(b)(i), 14.5(c)(i) Not applicable.</p>	<p>Please confirm that the remaining conditions of the Clause 14.5 will be in effect, even though excluding (b)(i), (c)(i) in accordance with PCC. Please clarify that the eighty percent (80%) of the cost of the Plant and Materials (including delivery to Site) certified by the Engineer will be paid to the Contractor in this regard.</p>	<p>*1. The Bidder’s assumption is correct the remaining conditions of the Clause 14.5 will be in effect.</p> <p>2. The Bidder shall also refer to the Technical Specification detailing the Method of Payment in conjunction with Clause 14.5.</p>				
299	General Clarification					<p>According to the Tender Document, Land Acquisition is done by Employer but expecting the difficulties to moving of the residents. After commencement day, if some residents still live in ROW. Do the Contractor has to move out the residents in ROW? Who is responsible for demolishing the existing building and houses? During the underground Construction(Bored pile Installation, Earthwork Etc.), Unexpected underground utility is detection or destroyed by Contractor(Based on Tender Document, Employer control the Utility). Is the Employer responsible for the diversion and removal of the utility?</p>	<p>Demolition of buildings within the RoW will be by the Contractor.</p> <p>A Provisional Sum included as extent of work not finalized at time of soliciting bids.</p> <p>Employer is responsible for relocation of informal settlers in advance of Notice to Proceed of the Works. All utilities shall be diverted by the Utility Owners unless advised otherwise.</p>				
300	General Clarification					<p>We understand that contractor shall be handed over site free of encumbrances on Commencement date. Tree cutting, Shifting, Protection or relocation of overground & underground utilities will be the responsibility of Employer. Only unexpected utilities found during project execution needs to be relocated through the provisional sum provided in the contract. Kindly confirm/clarify.</p>	<p>*Utilities Relocation is the responsibility of the Employer. Unexpected Utilities Relocation found during project implementation needs to be relocated through the Provisional Sum provided in the Contract. Please refer to GS 113.1.1.</p> <p>Tree Cutting and/or Relocation, Earth Balling, and corresponding required permits and licenses will be the responsibility of the Contractor. Please refer to GS 133.1 and GS 125.1.*</p> <p>Bidder is also referred to the Site Access Delivery Schedule as provided with Bid Addendum 3.</p>				
301	General Clarification					<p>In reference to BIR RR No. 13-2018, Sec.4-114-2: "Withholding of Value-added Tax. – The Government or any of its political subdivisions, instrumentalities or agencies, including government-owned or -controlled corporations (GOCCs) shall, before making payment on account of each purchase of goods and services which are subject to the value-added tax imposed in Sections 106 and 108 of this Code, deduct and withhold the value-added tax imposed in Sections 106 and 108 of this Code, deduct and withhold a final value-added tax at the rate of five percent (5%) of the gross payment thereof; provided, that beginning January 1, 2021, the VAT-withholding system under this subsection shall shift from final to a creditable system: Provided, That the payment for lease or use of properties or property rights to nonresident owners shall be subject to twelve percent (12%) withholding tax at the time of payment: Provided, however, that payments for purchase of goods and services arising from projects funded by Official Development Assistance (ODA) as defined under Republic Act No. 8182, Otherwise known as the "Official Development Assistance Act of 1996," as amended, shall not be subject to the Final/Creditable-Withholding Taxes as imposed." Please provide clarification on the VAT procedure related to this contract and whether the above applies.</p>	<p>This procedure is in accordance with Section 114 (C) of the Tax Code, as amended by Republic Act No. 10963, otherwise known as the TRAIN Law, which provides "that payments for purchases of goods and services arising from projects funded by Official Development Assistance (ODA) as defined under Republic Act No. 8182, otherwise known as the "ODA Act of 1996," as amended, shall not be subject to the final withholding tax system as imposed in this Subsection".</p>				
302	General Clarification					<p>1. We refer to BIR RR No. 13-2018, Sec.4-114-2 related to withholding of Value-added Tax. We would like to receive confirmation about who is the entity making the payments to Contractor and that 5% withholding tax doesn't apply to this project</p> <p>2. We would like to receive confirmation regarding VAT being applicable or not to advance payment of the project.</p> <p>3. We request confirmation that there is tax exemption for any withholding tax related to income tax which applies to a unincorporated JV.</p>	<p>*1. With reference to BIR RR No. 13-2018, Sec 4-114-2, SCRP Project being ODA-funded, withholding of the 5% out of 12% VAT does not apply. In other words, the Employer will pay the Contractor with the full 12% VAT amount.</p> <p>2. VAT is applicable to the Advance Payment</p> <p>3. Employer will not be withholding income taxes for Contractor's personnel.*</p>				
303	Volume 3	Section 8 Particular Conditions of Contract	PCC 5	14.1 / The Contract Price	<p>The following sentence under Clause 14.1 shall not apply: Notwithstanding the provisions of subparagraph (b), Contractor's equipment, including essential spare parts therefor, imported by the Contractor for the sole purpose of executing the Contract shall be exempt from the payment of import duties and taxes upon importation.</p>	<p>Please confirm that there will be exemptions for the payment of import duties and taxes for imported goods, material and equipment.</p>	<p>The Contractor does not pay for import taxes. Contractor needs to submit in advance a list of items to be imported monthly to DOT, then DOT will issue a Certificate of Undertaking to the Bureau of Customs.</p>				
304	General Clarification					<p>The Bidder understand that the payment of import duties and taxes for imported goods, material and equipment is exempted subject to the prior submission of a list of items and subsequent Certificate. Is the bidder's understanding is correct? If so, is it applied for all items imported for the project whether on a permanent or temporary basis. For clarity, please clarify on a case-by-case.</p> <p>1. Permanent import - Materials, facilities to be incorporated in the Project - Construction equipment and spare parts - Consumables & miscellaneous</p> <p>2. Temporary import and re-export afterwards - Materials, facilities for construction, but not to be incorporated in the Project - Construction equipment and spare parts - Consumables & miscellaneous</p>	<p>The Contractor does not pay for import taxes. Contractor needs to submit in advance a list of items to be imported monthly to DOT, then DOT will issue a Certificate of Undertaking to the Bureau of Customs.</p>				
305	Volume 1 Volume 3	Section 1 Instructions to Bidders (ITB) Section 9: Annexes and Contract Forms	ITB 20 CF 13	44. Performance Security Contract Form CF6 Performance Security	<p>If the institution issuing the performance security is located outside the country of the employer, it shall have a correspondent financial institution located in the country of the employer to make it enforceable.</p>	<p>The Bidder kindly requests from the Employer to confirm that the correspondent financial institution located in the country of the Employer shall act as an advisory institution (not a confirming institution) for the performance security.</p>	<p>The Bidder shall make sure the corresponding financial institution located in the country of the employer to "make the performance security enforceable".</p>				
306	General Clarification					<p>The amounts of Performance Bond & Advance Payment Bond will be determined as a percentage of Contract Price. Please confirm that the Contract Price shall be exclusive of VAT for the computation of the amounts for these bonds.</p>	<p>Bidder is advised to consistently to follow the BoQ Summary of Bid Price for input of this table with clear indication of VAT inclusive or exclusive for each item.</p>				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
307	Volume 1	Section 1 Instructions to Bidders	ITB 12	19. Bid Security/Bid-Securing Declaration	19.3 If a bid security is specified pursuant to ITB 19.1, the bid security shall be, at the Bidder's option, in any of the following forms: (a) an unconditional bank guarantee, (b) an irrevocable letter of credit, (c) a cashier's or certified check, or (d) SWIFT message in the form of MT760, all from a reputable source from an eligible country as described in Section 5 (Eligible Countries). In the case of a bank guarantee, the bid security shall be submitted either using the Bid Security Form included in Section 4 (Bidding Forms) or another form acceptable to the Employer.	The Bidder kindly requests from the Employer to share its bank details in order for the Bidder to issue the Bid Security from its bank outside Philippines in the form of a SWIFT message in the form of MT760 as per ITB 19.3.	For online domestic and international bank transaction through the following account: Bank: Land Bank of the Philippines - UN Branch Account Name: Procurement Service - DBM Account No.: 1442-1020-10 Swift Code: TLBPHMMXXX				
308					As specified in both ITB 44 and PCG 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 corresponding 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.	The Employer's requirement is to make the guarantee enforceable through the corresponding bank in the Employer's country. It's Contractor's proposal and arrangement with the banks to demonstrate to the Employer that it is enforceable.				
309	Volume 3	Section 8 Particular Conditions of Contract	PCC 4	14.3(c) Percentage of Retention	Five percent (5%)	We kindly request acceptance of a Retention Security Bond for 5% at the beginning of works to relieve the Contractor from the negative cash flow.	Bidder is referred to Contract Form CFB for information related to Retention Security				
310	General Clarification				Volume 2 Part II - Requirements Section 6- Employer's Requirements IB-General Specification (GS), GS 103 Possession of Site and Contractor's Mobilization; 103.1 Possession of Site and access: "...There are many utilities which cross / run along the PNR Right of Way. Every effort will be made prior to award of Contract to divert / relocate these to assist in providing Free and Clear land. Information about these utilities is provided in Volume 2 Supplementary Information and Site Data, which shows the situation as at March 2020. In the event that the Employer has not arranged for the diversion / rerouting of utilities prior to Award of Contract, the Contractor shall be consulted regarding the time and cost implications of managing the diversion / relocation of these utilities by location prior to commencing the Works for that location." Volume 1A Part 1 - Bidding Procedures - Section 4A - Bill of Quantities Requirements Section 6- Bill No.8 Schedule of Provisional Sums -Unexpected Utility Relocation: "The relocation of affected utility facilities shall be implemented by the Government of Philippines (GOP) before the commencement of construction works. However, if the Contractor encounters utilities that needs to be relocated during the construction, the Contractor shall submit competitive quotations for the relocation works."	Please kindly confirm that the utilities included in the site data will be diverted prior the commencement of the works and, if it is not the case, The Employer will deal with the Contractor as stated in the general specifications. And kindly confirm that the scope included in the BOQ are for those which could appear during and prevent the construction. As they are unknown the can not estimated as this stage.	The utilities included in the Site Data will be diverted prior the commencement of the works and, if it is not the case, the Employer will deal with the Contractor as stated in the general specifications. The scope included in the Provisional Sums in the BoQ are for those which could appear during and prevent the construction. Bidder is referred to note 4) in Explanatory Notes included in the Site Access Delivery Schedule provided with Bid Addendum 3. "4. It is the Employer's intention that all existing utilities including water, drainage, electricity, communications and the like will be removed, diverted or relocated prior to the contractor's access to each batch of the ROW. However, in limited instances certain utilities relocation works will continue after site access is provided and will run in parallel with civils works. Bidders are required to take cognizance of this and shall develop a safe construction and interfacing methodology".				
311	General Clarification					Please clarify if the Area is cleared from all existing utilities to be relocated during the commencement of SCRP CP S-03b Project. If any works tender which is out of scope or not in the BOQ provided, this shall be under the provisional sum.	The Bidder is advised that the Provisional Sum in Volume 1 Section 4A for unexpected utility relocation is deemed to cover for all relocation and protection of encountered utilities during construction.				
312	General Clarification					Please clarify that the whole area within the ROW shall be handed over to the awarded Bidder at the commencement date.	The area within the ROW shall be handed over to the awarded Bidder and in accordance with the Site Access Delivery Schedule. For the tunnel section, Bidder is informed that he will have subsurface access within the ROW only. Any necessary site surface access along the tunnel alignment will require separate approval of the respective owner(s) and the Engineer				
313	Vol 2	Sec 6 II Drawings		NSRP-TN-CE-TBM-0005 & 6		The Bidder's understanding is as per the provided tender drawings the segment sizes are fixed however the Tunnel has various curve which is not suitable for one size of segment production. In order to follow the Tunnel alignment the segment sizes will be changed as per the each curved section thus the various segment types will cause additional cost. The Tunnel & Segment design responsibility is with the Employer and the Bidder requests to provide revised drawings.	The Contractor shall price the drawings issued at the time of bidding. Any amendments to the drawings for the tunnel segments shall be issued by the Engineer in accordance with the Contract.				
314	Vol 2	Sec 6 II Drawings	Page 10	NSRP-AL-CE-0008		According to the NSRP-AL-CE-0008, there is another TBM line at the km 26,751.2 named as "STORAGE TRACK Line". In the scope of works, there is no detail about the retrieval of that. Could you clarify scope and explain the interaction between FTI station and TBM?	This is only shown in the drawing as a tentative route for a future extension and is not included in the Scope of Works.				
315	Vol 1	Sec 2 BDS	BDS 6	ITB 38.2	"The qualifications of other firms such as the Bidder's subsidiaries, parent entities, affiliates, shall be permitted. 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"	We will provide the references of clients for projects of our affiliate companies, as required, in Forms EXP1 and EXP2 instead of submitting the Affiliate Company Guarantee Forms. Please confirm?	The Bidder shall submit the Affiliate Company Guarantee AND all relevant forms if the Bidder opt to use the experience and qualification of Bidder's subsidiary, parent entity, affiliate, etc. to meet the criteria in the bidding document.				
316	GENERAL NOTES AND COMMON DETAILS			building automation systems	P2_S6_H(DWG)_31Mar2021_14_MEP_FT	In FCU systems, temperature and pressure sensors are placed at the inlet and outlet in the DETAIL OF FCU section, filter pollution and differential pressure are monitored in the BMS Typical drawings, and none of them are included in the point list. Which should be taken into account.	The following need to be considered in FCU systems and added to the point list: - Filter differential pressure log - Valve feedback The following shall be removed from the point list - At control valve side DPS The drawing will be amended and provide to Bidder, after award				
317	GENERAL NOTES AND COMMON DETAILS			building automation systems	P2_S6_H(DWG)_31Mar2021_14_MEP_FT	In the typical drawings of air handling units, both return temperature and differential pressure are monitored in the cooling valve, but these are not included in the point list.	The following shall be removed from the point list - At control valve side DPS The drawing will be amended and provide to Bidder.				
318	GENERAL NOTES AND COMMON DETAILS			building automation systems	FTI BMS BINDER	In addition, the system Redundant was installed. But server, PLC, IO are all set up as redundant. Is this really what is programmed? Not included in BOQ	Bidder is referred to NSRP-DWG-FTI-BMS-2041 and the ODS The Design and Build scope activities are not included in the BOQ and shall be included in the Price Schedule				

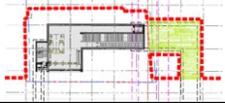
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporated in Bid Document (version)	Published	Included in (GBB No.)
319	GENERAL NOTES AND COMMON DETAILS			building automation systems	FTI BMS BINDER	Mimic panels appear on all panels, they are not included. Does it need to be done? Not included in BOQ	Bidder is referred to refer to NSRP-DWG-FTI-BMS-2041 and the ODS The Design and Build scope activities are not included in the BOQ and shall be included in the Price Schedule				
320	General Clarification					The currently provided drawings specified as Issued for tender. Please kindly confirm that the Employer shall issue/provide detail drawings for construction to the awarded Bidder as per the design scope of the Employer.	Yes, this is confirmed				
321	SITE DATA / 03 UTILITIES DATA BASE / UTILITY RELOCATION PLAN		N/A	N/A		According to reference Drawing there are 3 boreholes done along UPP: SBH 188C, SBH 188B and SBH188C Please provide and clarify the following: - Boreholes with same name at both edges of UPP are different boreholes - Provide information about these 3 above mentioned boreholes, since are not captured at the Geological Report.	One Borehole is named incorrectly and should be named 188a (located at the East Side). The drawing is revised and provided as revision 21.5 in Bid Addendum 5. The Borehole date will be provided as Site Data with Bid Addendum 5.				
322	SITE DATA / 03 UTILITIES DATA BASE / UTILITY RELOCATION PLAN		N/A	N/A		In reference Drawings shown that existing water line is to be abandoned. However, it is not shown where would be the new relocation of the water pipe line. Please provide this information if this relocation is confirmed	The existing water line will be relocated outside ROW.				
323	SITE DATA / 03 UTILITIES DATA BASE / UTILITY RELOCATION PLAN		N/A	N/A		In the reference Drawings, there is not existing Sewer line as indicated in the Legend. Please confirm that this information is correct and Bidder should not expect	There is no existing sewer within ROW.				
324	SITE DATA / 03 UTILITIES DATA BASE / UTILITY RELOCATION PLAN		Utility Relocation Plan 18+900 to 19+050 - Sheet 127			Please clarify whether the water pipe line marked is to be abandoned or not.	The existing water line will be relocated outside ROW.				
325	SITE DATA / 03 UTILITIES DATA BASE / UTILITY RELOCATION PLAN		Utility Relocation Plan 19+050 to 19+200- Sheet 128			Please clarify whether the Telco line marked is to be abandoned or not.	The Telco line marked is to be abandoned.				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
326	Folder -02_Volume 1A,BOQ File :CP S 03b Vol.1A Sec.4A BOQ Bid Addenda 2 20210614 Compared with File:CP S-03b Vol-1A Sec4A BOQ Bills Addenda 2 20210616 Format :Summary of Total Bid Price Compared with Format Name : Summary of Bill of Quantity and Price Schedule		Utility Relocation Plan 19+050 to 19+200- Sheet 128			Please clarify whether the water pipe line marked is to be abandoned or not.	The existing water line will be relocated outside ROW.				
327			Page 4/26		File:CP S 03b Vol.1A Sec.4A BOQ Bid Addenda 2 20210614	Reference to the documentation received through Addendum 2 / Volume 2 of the Documentation : A. Please confirm if its binding for the Bidder to use USD (United States Dollar) and JPY (Japanese Yen) only as reflected in the File: CP S-03b Vol-1A Sec4A BOQ Bills Addenda 2 20210616. B. Please confirm if the intention of Client to use The JICA exchange rates that are mentioned in the Format : File:CP S-03b Vol-1A Sec4A BOQ Bills Addenda 2 20210616 as the conversion rates for the USD/JPY/PHP as an official source of conversation rates. ? C. Please Confirm Format (Bill of Quantity and Price Schedule) that is included of the File :CP S 03b Vol.1A Sec.4A BOQ Bid Addenda 2 20210614 is to be used for Bid Price and the Bidder can choose to present the Bid Price in maximum 3 (three) Foreign Currency in addition to Local Currency (PHP). ?	The provided information is removed from the BOQ. A revised BOQ has been provided with Bid Addendum 3.				
328	VOLUME 3 Part III – Conditions of Contract Sections 7, 8 and 9 Package	PCC 18		4.26	The Contractor's design, the Contractor's Documents, the execution and completed Works shall comply with the Country's technical standards, building, construction and environmental Laws, Laws applicable to the product being produced from the Works, and other standards specified in the Employer's Requirements, applicable to the Works or defined by the applicable Laws	As regards clause 4.26, we were wondering if the term Country's technical standard could be further defined and described in order to narrow it down and be able to evaluate the extent of the obligations arising from said concept.	The Engineer shall ensure that the material specification/s shall fully comply with Philippine standards. However, if the Philippine standards are insufficient then the other equivalent International standards should apply being subject to Engineer's approval.				
329	Addendum 2, Section 4 Bidding Forms	BF 27		3	The Bidder shall submit Bidder's Design Approach in accordance with the various Employer's Requirements for the following works and based on the Basic Design Drawings...	The bidder notes the inclusion of additional terms such as "Basic Design Drawings". For clarity, could the Employer please provide a definition or list of drawings to properly define Basic Design Drawings. Additionally, the TB also incorporates the term "Design Approach". Could the Employer please confirm if this term simply refers to the design to be submitted by the Bidder as part of its tender in relation to the part of Works to be designed by the Contractor; or else, if the term has a particular interpretation, if the latter, please provide a definition for this term.	The Bidder is not required to submit Design Drawings in their Bid Submission. Instead Employer is expecting Bidders to provide approaches (description) and sketches (as required or to support the Design Approach).				
330	Part II – Requirements Section 6 – Employer's Requirements IB – General Specification	GS 89-90		126.8	entire clause	This provision, as drafted, is extremely broad and seems to transfer the risk of Employer Design to the Contractor. The bidder does not consider appropriate or efficient for the Contractor to be responsible to change/rectify the Employer's design when there is a conflict between Works to be designed by the Employer and works of Interface Contractors or other External Third Parties. It is also unclear who would be responsible for the amended design resulting in loss of accountability for the final design. Therefore, the Bidder considers that design responsibility and risk shall remain with same party at all time (the Employer in this case). The Bidder considers that the Contractor shall be responsible for any design changes resulting from clash or conflict between Works to be designed by the Contractor and works of any third party. Further, the Bidder is of the opinion that to the extent the design changes or any supplemental design is necessary, that should constitute a variation. If the purpose of this provision is not as per described above, please consider if amendments are necessary to better represent the Employer's intent. Else, the bidder would appreciate what is the Employer's intention with this clause. The bidder is unable to propose alternative wording to this provision as it is unclear what the intention of this provision is.	GS 126.8 refers to the Contractor's obligation to provide combined services drawings in order to avoid interface issues in the installation of the various services to be installed in the project and shall be part of the Contractor's obligation under the Contract. The cost and time implications shall be deemed to be included in the Contractors rates and prices. Services installed in accordance with the drawings and specification shall be measured and valued in accordance with the Conditions of Contract.				
331	Volume 2; Part II – Requirements; Section 6 – The Employer's Requirements; IB – General Specification	GS95		128.2 Defects Liability	"Should any equipment or plant remain out of service and prevent the commissioning and/or operation of the railway, due to reasons of failure by the Contractor to perform his duties under the DNP, the Employer reserves his rights to seek General Damages at Law commensurate with his operating costs (if any) and loss of operational revenues."	The Bidder notes an inconsistency between the contract conditions under Multilateral Development Bank Harmonised Edition June 2010 (FIDIC) and the General Specifications. Under Volume 2; Part II – Requirements; Section 6 – The Employer's Requirements; IB – General Specification (GS) Clause 128.2, the following is stated: "Should any equipment or plant remain out of service and prevent the commissioning and/or operation of the railway, due to reasons of failure by the Contractor to perform his duties under the DNP, the Employer reserves his rights to seek General Damages at Law commensurate with his operating costs (if any) and loss of operational revenues." However, Clause 17.6 of the FIDIC provides for a general exclusion to indirect or consequential loss or damage subject only to certain exclusions (ie. Sub-Clause 8.7, Sub-Clause 11.2, Sub-Clause 15.4, Sub-Clause 16.4, Sub-Clause 17.1, Sub-Clause 17.4(b) and Sub-Clause 17.5, fraud, deliberate default or reckless misconduct), none of which seem to be carving out the circumstances under 128.2 above. We note that FIDIC takes precedence in case of inconsistency. Can the Employer please advise how it intends to deal with this inconsistency during delivery?	GS will be amended. FIDIC will take precedence in case of inconsistencies.				
332	Volume 2; Part II – Requirements; Section 6 – The Employer's Requirements; IB – General Specification	GS 1		101	The Contract Documents are intended to be mutually explanatory one of another, however in the event the Contractor discovers any ambiguity, discrepancy or conflict between any of those documents which cannot be resolved by application of the order of precedence, he shall immediately bring it to the attention of the Engineer for resolution in accordance with the requirements of GCC Clause 1.5.	we note that there is no specific order of preference in relation to the Specification documents in amplification of Clause 1.5 (g) of the GCC. To provide more clarity to the parties, the bidder suggest to include the following order of precedence to the Specifications: i) The provisions contained in the TS ii) The provisions contained in the GS iii) The provisions contained in International Standards iv) The provisions contained in Philippine Standards	The provision is a standard provision in the GCC and will not be amended.				
333	VOLUME 3 Part III – Conditions of Contract Sections 7, 8 and 9 Package	PCC 15		4.1	Within the period stated in the Appendix to Tender, calculated from the Commencement Date...	the term Appendix to Tender does not exist under this Contract. Please clarify	The wording "Within the period stated in the Appendix to Tender, calculated from the Commencement Date," shall be replaced with "Within 28 days from the Commencement Date." The amendment will be included in Bid Addendum 6.				

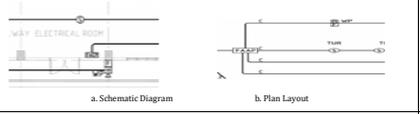
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
334	VOLUME 3 Part III - Conditions of Contract Sections 7, 8 and 9 Package		PCC 24	14.4	The Schedule of Payments for Sub-Clause 14.3 Interim Payment purposes will be developed and priced post Award of Contract based on the draft Schedule of Payments included in Part 1 Volume 1A Section 4A Bidding Forms - Bill of Quantities and Price Schedules	Please confirm that the intention is for the schedule of payments to be discussed and agreed between the Engineer and Contractor.	The Schedule of Payments shall be discussed and agreed between the Engineer and Contractor. Bidder is referred to the amended wording in GS Appendix 8 as provided with Bid Addendum 3.				
335	VOLUME 3 Part III - Conditions of Contract Sections 7, 8 and 9 Package		PCC 14	1.1.6.1	Unless otherwise stated in the Employer's Requirements, each review period shall not exceed 21 days, calculated from the date on which the Engineer receives a Contractor's Document and the Contractor's notice. This notice shall state that the Contractor's Document is considered ready, both for review (and approval, if so specified) in accordance with this Sub-Clause and for use. The notice shall also state that the Contractor's Document complies with the Contractor's extent to which it does not comply.	The bidder notes that the proposed review period of Contractor Documents is to be 21 days (unless otherwise stated in the Employer's Requirements). GS120 seems to provide a timeframe of 28 days review for all documents to be submitted for review/approval of the Engineer. Given GS120, this amendment of 1.1.6.1 seems redundant. Can the Employer clarify if any amendments are necessary or to which documents is the 21-day review period intended for?	The period of 21 days shall be the period of review by the Engineer as stated in the PCC. The Employer's Requirements shall be amended accordingly.				
336	Volume 3	Section 8	PCC 5	14.2 Total advance payment	N/A	Our cashflow modelling anticipates that the Contractor's will be cashflow negative in circumstances where Advance Payment amount is limited to 15% of the Accepted Contract Amount. The contractor kindly requests for the Advance Payment amount (and the associated Advance Payment Bond) to be increased from 15% to 20% to assist improve the Contractor's cashflow position.	Bidder's request is rejected				
337	Addendum 2					We request for the CAD Files of the drawings in the issued Addendum 2	CAD files of the revised drawings will be provided with Bid Addendum 5				
338	VOLUME 2	SECTION 6 / OUTLINE DESIGN SPECIFICATION / APPENDIX 11	159/204		Appendix 11A: Mechanical Provision for Underground Stations 	MEP VAC: According to the specifications Section 6, Outline Design Specification, Appendix 11A: Mechanical Provision for Underground Station, only Mechanical Ventilation (i.e. no Air Conditioning) have to be provided to the "Mezzanine Level". According to the same Specification, Concourse Level and Platform Level have to be provided with Air Conditioning. Please confirm if there is no Mezzanine Level at Underground Station. Therefore all levels at Underground Station should be provided Air Conditioning.	Correct, the word "Mezzanine" should be read and amended as "Concourse". Not all rooms in the underground station are air-conditioned. See ODS Appendix 1A				
339	ADDENDUM 1 / SITE DATA / GEOTECH REPORT CP 03-b				N/A	In Addendum 1 was provided Geotechnical Report summary for MMSP campaign, but laboratory Tests results are still not provided. Please provide complete information.	The attachments of the report in the folder "Geotech Report CP S-03b" are uploaded in the Site Data at the time of issuance of this batch and will be provided with Bid Addendum 5.				
340	- VOLUME 2 / SECTION 6 / OUTLINE DESIGN SPECIFICATION / APPENDIX 6 - DEMARCATION OF DESIGN SERVICES - VOLUME 2 / DRAWINGS / 12_ARCHITECTURAL FTI DRAWINGS (PG 10/44) - VOLUME 2 / DRAWINGS / 04_CIVIL_FT (PG 5/103)					Please clarify whether the top level of FTI Station, between grids 52 and 60 shown in architectural Drawings for Underground FTI Station (see figure), design is included within Employer's Design or Contractor's Design & Build scope. Considering the below mentioned points. - According to Outline Design Specification - Appendix 6 - Demarcation of Design Services for FTI Station (MMSP), item 3.1 indicates that Station Box (bed, wall, columns) is within Design Employer's scope of works. - According to Structural Underground FTI Station Drawings, the mentioned above level is not reflected in the drawings. Therefore, it can be assumed that this top level structure is within Design & Build scope of works	The civil works are Build only and the requested information will be provided as part of the Employers IFC drawings.				
341	- VOLUME 2 / DRAWINGS / 12_ARCHITECTURAL FTI DRAWINGS (PG 10/44)					According to Architectural Drawings, from Grid 60 to 65 there is a ground slab to be constructed shown in the figure. Please clarify where is the end point of such ground slab.	The Ground slab from Grid 60 inwards is part of the Design and Build scope.				
342	- VOLUME 2 / DRAWINGS / 12_ARCHITECTURAL FTI DRAWINGS (PG 10/44) - VOLUME 2 / DRAWINGS / ARCHITECTURAL DRAWINGS (AT-GRADE) (PG 51/152)					Please clarify number and location of structural openings at Underground FTI Station between grids 52 and 60. According to Architectural Drawings of Underground Station and Architectural Drawings of At-grade Station, the number and locations of the slab openings are not matched.	Drawing NSRP-STN-AR-A-FTI-1001 should be followed. Drawing NSRP-DWG-FTI-AR-3304 Rev 21.5 will be included in Bid Addendum 5.				
343	- VOLUME 2	SECTION 6 / DEMARCATION OF DESIGN SERVICES				Please confirm if the term "under floor slab", refers to roof slab level of the Station Box of the Underground FTI Station. If Bidder understanding is not correct, please clarify where does the D&B structure scope starts for the Contractor.	The wording "under slab level" at 9-1 to be revised to "up to raised floor slab level of floor counter measure". This is under the Build Only Portion by Civil design. The wording "above slab level" at 9-2 to be revised to "above raised floor slab level of floor counter measure", and this is scope of Design Build Portion. This will be amended in the Appendix 6 of the ODS in Bid Addendum 5				
344	TRAFFIC - WEST SERVICE ROAD					The Ramp Viaduct along and over West Service Road is to be constructed before Construction of CP S-03b. Please provide information about Traffic Plan expected for Viaduct construction in order to coordinate it with Traffic Plan of CP S-03b.	The Ramp Viaduct is not commenced yet and a schedule or other information is not available at present. The works need to be coordinated with the Skyway project prior to the construction.				
345	TRAFFIC - EAST SERVICE ROAD				N/A	Please provide traffic Plan expected for CP S-03c in order to coordinate and integrate it with Contract CP S-03b.	The scope for the East Service Road is included in CP S-03b. Package CP S-03c include the King Post & Retaining Wall along the East Service Road within the site boundaries of CP S-03c. Bidder is referred to the interface requirements in GS Appendix 4.				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporated in Bid Document (version)	Published	Included in (GBB No.)
346	- VOLUME 2 / SECTION 6 / OUTLINE DESIGN SPECIFICATION / APPENDIX 6 - DEMARCATION OF DESIGN SERVICES / ITEM 4.4 - VOLUME 2 / SECTION 6 / SCOPE OF WORKS / ITEM 2.5.1					Please clarify the scope of the elevators whether should be included or not within Design & Build Contractor's scope. - According to Demarcation of Design Services, Item 4.4, it can be construed that equipment for Elevators is included within Design & Build scope. - According to Scope of Works, item 2.5.1, "Elevators shafts and elevators between the MMSF platform/concourse and the SCRIP platform" is within At-grade Station works, therefore excluded from Design & Build Scope.	Reference is made to the Demarcation Drawings and Memorandum provided in Bid Addendum 3.				
347	- VOLUME 2 / SECTION 6 / OUTLINE DESIGN SPECIFICATION / APPENDIX 6 - DEMARCATION OF DESIGN SERVICES / ITEM 2.5.1				N/A	Please clarify the scope of the escalators whether should be included or not within Design & Build Contractor's scope. - According to Demarcation of Design Services, there is any item specifying that Escalators equipment should be included or not in Contractor or Employer's scope. - According to Scope of Works, item 2.5.1, "Escalators, ceiling and wall finishes along the escalators, and roll-up shutter including access doors between the MMSF platform/concourse and the SCRIP platform" is within At-grade Station works, therefore excluded from Design & Build Scope.	Reference is made to the Demarcation Drawings and Memorandum provided in Bid Addendum 3.				
348	- VOLUME 2 / SECTION 6 / SCOPE OF WORKS / ITEM 2.5.1				IDENTIFY WORK INCLUDING ACCESS DOORS PROVIDED BY CONTRACTOR FOR USE OF - Entrance 5 - Foot bridge and emergency staircase between Axis 12 and Axis 17 Please indicate the total number of emergency staircase and PS-11.	Please confirm that Emergency Staircase between Axis 12 and 17 that is referring to "Temporary Emergency Staircase 1" that is shown in At-grade Architecture Drawings.	Yes, this is confirmed. Emergency Staircase between Axis 12 and 17 and Temporary Emergency Staircase 1 is one and the same.				
349	VOLUME 2 / DRAWINGS / NSRP-DWG-ATG-ST-4104					Please confirm if Cover Shelter to be installed over MMSF Railways from Chainage 19-500 to 19-596. According to reference drawings the cover shelter is not shown.	"Yes, cover shelter/roof above the MMSF ATG to be installed. Just a clarification, the exact chainage of the roof starts at KM 19+443.555 and ends at KM 19+622.355"				
350	VOLUME 2 / PART II / SECTION 6 / SPECIFICATIONS / SCOPE OF WORKS BID ADDENDA 1 & DRAWINGS / CIVIL DRAWINGS / GENERAL				2.1.6 Relocation of Existing PNR Operating Tracks and Stations The contract requiring PNR double track will be relocated and converted to a temporary single track. PNR will retain the full track prior to commencement of the contract under CP 4.6.6. Bidder's Contract will be subject to PNR survey for the schedule of works. The contract PNR requires station and bridge to be demolished and replaced as per Figure 2.1.2. The temporary single track needs to be relocated 1.0m during the construction period as CP 4.6.6. In addition, the contract requires the temporary construction of station and building of the station. These information needs to be provided to the PNR. The contract PNR requires station and bridge to be demolished and replaced as per Figure 2.1.2. The contract PNR requires station and bridge to be demolished and replaced as per Figure 2.1.2.	Please confirm where exactly the temporary single track is planned to be relocated initially (work to be executed by others and prior to the commencement of the relevant section)	Yes, this is confirmed. The temporary single track is shown on the drawings with the indication of PNR Temporary Track.				
351	VOLUME 2 / PART II / SECTION 6 / SPECIFICATIONS / SCOPE OF WORKS BID ADDENDA 1 & DRAWINGS / CIVIL DRAWINGS / GENERAL / CP S 03b Vol.1A Sec.4A BQ Bid Addenda 2 20210614. Bill No.11, Schedule of Provisional Sum			PS-18	2.1.6 Relocation of Existing PNR Operating Tracks and Stations The contract requiring PNR double track will be relocated and converted to a temporary single track. PNR will retain the full track prior to commencement of the contract under CP 4.6.6. Bidder's Contract will be subject to PNR survey for the schedule of works. The contract PNR requires station and bridge to be demolished and replaced as per Figure 2.1.2. The temporary single track needs to be relocated 1.0m during the construction period as CP 4.6.6. In addition, the contract requires the temporary construction of station and building of the station. These information needs to be provided to the PNR. The contract PNR requires station and bridge to be demolished and replaced as per Figure 2.1.2. The contract PNR requires station and bridge to be demolished and replaced as per Figure 2.1.2. 	The Contractor would like to ask for the issuance of the General Specifications, Technical Specifications and the Drawings related to the Provisional Sum 15 to the Employer, where the Contractor can find information regarding specifications to comply for the provisional detours to be executed by the Contractor, including but not limited to geometrical parameters to be consider for the alignment and information concerning possibility of supply or procurement of material from PNR	Bidder is advised that design and specifications are not available at this time hence the requirement to insert a Provisional Sum. The Provisional Sum will be expended in accordance with GCC Clause 13.5				
352	VOLUME 2 / PART II / SECTION 6 / SPECIFICATIONS / SCOPE OF WORKS BID ADDENDA 1 & DRAWINGS / CIVIL DRAWINGS / GENERAL / CP S 03b Vol.1A Sec.4A BQ Bid Addenda 2 20210614. Bill No.11, Schedule of Provisional Sum			PS-18	2.1.6 Relocation of Existing PNR Operating Tracks and Stations The contract requiring PNR double track will be relocated and converted to a temporary single track. PNR will retain the full track prior to commencement of the contract under CP 4.6.6. Bidder's Contract will be subject to PNR survey for the schedule of works. The contract PNR requires station and bridge to be demolished and replaced as per Figure 2.1.2. The temporary single track needs to be relocated 1.0m during the construction period as CP 4.6.6. In addition, the contract requires the temporary construction of station and building of the station. These information needs to be provided to the PNR. The contract PNR requires station and bridge to be demolished and replaced as per Figure 2.1.2. The contract PNR requires station and bridge to be demolished and replaced as per Figure 2.1.2.	The provisional sum related to the detours of the PNR lines has been reduced from PHP375,000,000 to PHP150,000,000 and the scope of the Contractor has been increased by including the temporary single track relocation during construction on the Main Contractor's Scope. Please clarify if the cost of the track relocations during construction are still to be considered as part of this provisional sum (Bill No.11) or if the Contractor should include those cost in other items of the BQ (Bill No. 1 to 9). In case the Contractor has to include the amount in other items (Bill No. 1 to 9) please clarify where those costs should be included and what would be therefore the use of the provisional sum	Bidder is advised that design and specifications are not available at this time hence the requirement to insert a Provisional Sum. The Provisional Sum will be expended in accordance with GCC Clause 13.5				
353	CP S 03b Vol.1A	Sec.4A BQ Bid Addenda 2 20210614. Bill No.11, Schedule of Provisional Sum			Provisional sums (PS)	We note that the Contract allows for Provisional Sums. Some of these Provisional Sums include scope which is unknown to the Contractor. By way of example, PS-1 deals with fees, fees and works associated with Archeological finds and, PS-3 relocation of unexpected utilities. Given the unknown nature of the scope under these provisional sums, the contractor is unable to assess whether the amount of the PS is appropriate or to make any allowance in its Programme. Please confirm that the Contractor will be entitled to claim under 4.12 (Unforeseeable Physical Conditions) if it encounters unexpected utilities, and under 4.23 (Fossils) if it encounters Archeological finds. Additionally, please confirm that the Provisional Sum amounts will be increased if the amounts allowed for in the BQ are insufficient for the Contractor to undertake all works instructed by the Engineer.	Bidder is advised that design and specifications are not available at this time hence the requirement to insert a Provisional Sum. The Provisional Sum will be expended in accordance with GCC Clause 13.5				
354	CP S 03b Vol.1A	Sec.4A BQ Bid Addenda 2 20210614. Bill No.11, Schedule of Provisional Sum		PS-1	Archeological Monitoring	GS 118.9.3 reference given under the description of the PS-1 item does not seem to match the scope of the Provisional Sum. The Provisional Sum seems to deal with the fees and activities necessary when finding an unexpected archeological interest on site. However, given the unknown nature of the scope of the provisional sum, the contractor is not able to assess the adequacy of the amount allowed for the scope, nor include this scope in its programme. Furthermore, the Multilateral Development Bank Harmonised Edition June 2010 (FIDIC) already deals with the finding of items of archeological value under Clause 4.24 Fossils. Please clarify the purpose of this Provisional Sum and how is this meant to be interpreted together with FIDIC.	"GS 118.9.3 will be revised to read GS 118.7.6 & GS 118.7.7 in Addendum 2. The purpose of provisional sum is to cover all cost incurred by the contractor in dealing with any archeological findings and the bidder is required to consider this in his programme of works"				
355	CP S 03b Vol.1A	Sec.4A BQ Bid Addenda 2 20210614. Bill No.11, Schedule of Provisional Sum		PS-2	Demolition and Clearing of Affected Houses under RAP	Works according this provisional sum seems to be wide extensive in case they are instructed to be performed by the Contractor and insufficient information has been provided to properly determine cost and time impact. Please provide details of the aforementioned works to check to possible impact to Schedule and Resources to perform it.	Bidder is advised that design and specifications are not available at this time hence the requirement to insert a Provisional Sum. The Provisional Sum will be expended in accordance with GCC Clause 13.5				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate in Bid Document (version)	Published	Included in (GBB No.)
356	CP S 03b Vol.1A	Sec 4A BOQ Bid Addenda 2 20210614. Bill No.11. Schedule of Provisional Sum		PS-11	Removal of Existing Underground Water Main Pipe	We refer here to the scope that has to be considered under the referred provisional sum PS-11 with respect to the water main line removal. The Bidder is unable to determine the cost and time impact of this PS-11. The Bidder seeks clarification on the scope of work under this PS-11 (limits of the scope under this PS-11, drawings of existing lines to be removed, technical specifications of existing structures to be removed, foreseen dates for proceeding with these works, etc.)	Bidder is advised that design and specifications are not available at this time hence the requirement to insert a Provisional Sum. The Provisional Sum will be expended in accordance with GCC Clause 13.5				
357	CP S 03b Vol.1A	Sec 4A BOQ Bid Addenda 2 20210614. Bill No.11. Schedule of Provisional Sum		PS-12	Interface Works Additional and/or unforeseeable requirements resulting from interfaces with adjoining construction works and structures.	We refer here to the scope that has to be considered under the referred provisional sum PS-12 with respect to the interface works. The Bidder is unable to determine the cost and time impact of this PS-12. The Bidder seeks clarification on the interface work under this PS-12, its nature, the companies involved, the schedule of these works and anything related to such work. The Bidder also desires further information on the scope of the Bidder included in this PS-12.	Bidder is advised that design and specifications are not available at this time hence the requirement to insert a Provisional Sum. The Provisional Sum will be expended in accordance with GCC Clause 13.5				
358	CP S 03b Vol.1A	Sec 4A BOQ Bid Addenda 2 20210614. Bill No.11. Schedule of Provisional Sum		PS-13	Ground Treatment Works	We refer here to the scope that has to be considered under the referred provisional sum PS-13 and the fact that some of the treatments included in the PS could be considered as part of the temporary or permanent works to be executed by the Contractor for the original scope to the Project. The Contractor seeks clarification about if all the mentioned treatment works should just be considered to be paid under this PS (Bill No. 11) or should otherwise be included in the BOQ Bill No.1 to 9	All Ground Treatment for the TBM Works including those required for cross passage construction, TBM main drives and at the launching and retrieval shafts are deemed to be temporary works and are the responsibility of the Contractor. These items are not covered by the provisional sum.				
359	CP S 03b Vol.1A	Sec 4A BOQ Bills Addenda 2 20210616		Bill No.3	Jet grouting 2500 dia	Please confirm that the jet grouting amount included in the BOQ accounts just for the ground treatment prosed in a drawings A3_CP S-03b_ATG included in Volume 2, Civil Drawings, S-03b_A_Viaduct_Atgrade.	Yes, the jet grouting is included in BOQ. Pay item 228(1) Je - Jet Grouting, 2500mm dia.				
360	A3_CP S-03b_ATG included in Volume 2, Civil Drawings, S-03b_A_Viaduct_Atgrade, P2_S6_H(DWG)_31Mar2021_04_Civil_FTI				At grade ground treatment drawings show ground treatment to be performed in sections that are over some areas of the 531m long underground box to be executed (from MMSF 248350m to 248917m)	Please confirm that the ground treatment shown in the drawings A3_CP S-03b_ATG included in Volume 2, Civil Drawings, S-03b_A_Viaduct_Atgrade for the sections that are located over the underground box are still to be performed and therefore the amount included in the BOQ will not be amended	<p>"No. the ground treatment located above the underground box is not required.</p> <p>Ground improvement shown on the following sheets removed: NSRP-DWG-ATG-ST-4002, 4100 to 4103, 4300 to 4309 NSRP-DWG-VI03B-ST-0011 to 0016 Drawings to be issued as Rev 2.1.5.</p> <p>BOQ to be revised. Pay item 228(1) Je - Jet Grouting, 2500mm dia. to be deleted in the BOQ.</p> <p>The revised documents will be included in Bid Addendum 5 (drawings) and Bid Addendum 6 (BOQ)</p>				
361	CP S 03b Vol.1A	Sec 4A BOQ Bid Addenda 2 20210614. Bill No.11. Schedule of Provisional Sum		PS-14	Provision of Vertical Conveyance at Pedestrian Crossing (Escalator for España Station)	We refer here to the scope that has to be considered under the referred provisional sum PS-14 with respect to the escalator for España Station. The Bidder is unable to determine the cost and time impact of this PS-14. The Bidder seeks clarification on the scope of work under this PS-14 (drawings, technical specifications, schedule of works, etc.)	Bidder is advised that design and specifications are not available at this time hence the requirement to insert a Provisional Sum. The Provisional Sum will be expended in accordance with GCC Clause 13.5				
362	CP S 03b Vol.1A	Sec 4A BOQ Bid Addenda 2 20210614. Bill No.11. Schedule of Provisional Sum		PS-17	Breaking Out Obstructions	Works according this provisional sum seems to be wide extensive in case they are instructed to be performed by the Contractor and insufficient information has been provided to properly determine cost and time impact. Please provide details of the aforementioned works to check to possible impact to Schedule and Resources to perform it.	Bidder is advised that design and specifications are not available at this time hence the requirement to insert a Provisional Sum. The Provisional Sum will be expended in accordance with GCC Clause 13.5				
363	CP S 03b Vol.1A	Sec 4A BOQ Bid Addenda 2 20210614. Bill No.11. Schedule of Provisional Sum		PS-19	Redesign of Station in Package-03B	Works according this provisional sum seems to be wide extensive in case they are instructed to be performed by the Contractor and insufficient information has been provided to properly determine cost and time impact. Please provide details of the aforementioned works to check to possible impact to Schedule and Resources to perform it. Please confirm that even though the title of the PS reads Redesign of Station in Package S-03B no design works are to be performed by the Contractor and the PS just cover the additional construction cost of a redesign to be done by others.	PS for Redesign of Station in Package S-03b is for the additional construction cost. The Contractor shall not be responsible for design except for shop and working drawings etc. as defined in the bid documents. Bidder is advised that design and specifications are not available at this time hence the requirement to insert a Provisional Sum. The Provisional Sum will be expended in accordance with GCC Clause 13.5				
364	CP S 03b Vol.1A	Sec 4A BOQ Bid Addenda 2 20210614. Bill No.11. Schedule of Provisional Sum		PS-20	Culvert Design and Construction underneath PNR Track (advance works)	We refer here to the scope that has to be considered under the referred provisional sum PS-20 with respect to culvert design and construction underneath PNR track (advance works). The Bidder is unable to determine the cost and time impact of this PS-20. The wording of this PS-20 seems to include design works which would have additional implications which need to be agreed. The Bidder seeks clarification on the scope of work under this PS-20. Bidder also desires further information regarding the meaning of "advance works".	The bidder will be required to allow whole section of box culverts to be constructed by the Bidder. The exact scope of works shall be notified to the Bidder after the commencement. The meaning of the advance works is the works to be carried out prior to the commencement of the project.				
365	CP S-03b Vol 1 IFB Sec. 4 Bid Addenda 2 20210616				Equipment Type and Characteristics	In the list of the equipment asked to be identified there are some categories that seems to be related to works of a different nature, related with the erection of viaducts with precast element (Item #24, Precast Segment LG, #25, Stressing equipment, #26, Cantilever Bridge Forms, #29, Gantry Cranes...), Please confirm those equipment are to be removed from the list or we should just state that they are not applicable.	Bidder can state that the respective Equipment is not required.				
366	CP S-03b Vol 1 IFB Sec. 4 Bid Addenda 2 20210616				Equipment Type and Characteristics	The Contractor understands that item #28 has to do with equipment to be used for the performance of the TBMs as the information about the TBMs has to be provided in item #1	Bidders is requested to be as complete and detailed as possible. If certain equipment is included as part of the TBM, Bidder can highlight this in the overview.				
367	Volume 3	Section 8	PCC 26	14.7 Payment		Our cashflow modelling anticipates that the Contractor's will be cashflow negative at the beginning of the project. The contractor kindly requests for the Advance Payment to be paid 15 days after the Commencement Date or within 10 days after receiving the documents in accordance with Sub-Clause 4.2 [Performance Security] and Sub-Clause 14.2 [Advance Payment], whichever is later.	Bidder is referred to Bid Addendum 4 Volume 3 Section 8 PCC B.1.c "Effective access to and possession of the Site shall be the date on which the first batch of land is made available to the Contractor as detailed in the Tabulated Site Access Dates".				
368	General - Taxes					1. We refer to BIR RR No. 13-2018, Sec 4-114-2 related to withholding of Value-added Tax. We would like to receive confirmation about who is the entity making the payments to Contractor and that 5% withholding tax doesn't apply to this project 2. We would like to receive confirmation regarding VAT being applicable or not to advance payment of the project. 3. We request confirmation that there is tax exemption for any withholding tax related to income tax which applies to a unincorporated JV.	"1. With reference to BIR RR No. 13-2018, Sec 4-114-2, SCRIP Project being ODA-funded, withholding of the 5% out of 12% VAT does not apply. In other words, the Employer will pay the Contractor with the full 12% VAT amount. 2. VAT is applicable to the Advance Payment 3. Employer will not be withholding income taxes for Contractor's personnel."				
369	General - Custom duties					We request confirmation about any tax exemption for custom duties applicable to the project or the client to consider in the tender.	The Contractor does not pay for import taxes. Contractor needs to submit in advance a list of items to be imported monthly to DDT, then DDT will issue a Certificate of Undertaking to the Bureau of Customs.				
370	CDC 14.9 Contract for Construction for Building and Engineering Works Designed by the Employer, Multilateral Development Bank Harmonized Edition			Clause 14.9 Payment of Retention Money	Unless otherwise stated in the Particular Conditions, when the Taking Over Certificate has been issued for the Works and the first half of the Retention Money has been certified for payment by the Engineer, The Contractor shall be entitled to substitute a guarantee, in the form annexed to the Particular Conditions	We refer to clause 14.9, to request the right to replace the retention money with a guarantee from the moment deductions commence, what is, with the first invoice of the Contractor, instead of when the Taking-Over Certificate has been issued.	Bidder's request is noted. However, the Bidder is advised that the text of Clause 14.9 stands during the bidding.				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
371	V.3 Section B Part B			Clause 8.1 Commencement of Work	Delete sub-paragraph 8.1 (d)	We request to reinstate this deletion. (FIDIC 8.1. Advance payment as condition precedent to commencement of the works)	The Employer intends to commence the Works as soon as possible. As the duration for securing advance payment security will take time the Employer has removed subclause 8.1 (d). Payment of the Advance will be made in accordance with GCC clause 14.2				
372	Tables of Adjustment Data			Section 4 Bidding Forms		We kindly request to reconsider the local index included in the tender documents as they aren't being frequently updated and therefore they don't cover the actual situation.	Bidder's concern is noted. The local index will be finalized with the Bidder before Contract Award.				
373	Volume 2		1	NSRP-DWG-FTI-AR-3033,(21.2); NSRP-DWG-FTI-AR-3434,(21.2)	Ceiling Finish for Underground Passage to WSP	Discrepancy of Ceiling Finish for underground passage to WSP, wherein it is stated in the Schedule of Finishes per amended drawings that ceiling for the said area is CF03 while in the detailed drawings, it is tagged with CF08.	Please refer to the revised drawings sheet AR-3303 rev. 21.3 and AR-3434 rev. 21.3 issued with Bid Addendum 3 for the ceiling finishes at underground passage to WSP.				
374	Volume 2		1	NSRP-DWG-FTI-AR-3033,(21.2); NSRP-DWG-FTI-AR-3434,(21.2)	Ceiling Finish for Underground Passage to WSP	We would like to verify as to what color scheme shall be adapted to use for the passage ways going to the underground station (specifically for the ceiling)	CF08 shall be dark brown and CF04 shall be off-white subject for approval by the Engineer.				
375	Volume 2		12 ; 6	NSRP-DWG-FTI-AR-3036; P2_S6_H(DWG)_31Mar2021_12_Arch_FTI	SSS & ESR	Discrepancy of room orientation and floor area (for ESR) between the two document.	Drawing NSRP-DWG-FTI-AR-3036 will be revised as Rev 21.5 and provided to Bidder in Bid Addendum 5.				
376	Volume 2		5	NSRP-DWG-FTI-AR-3032	Intermodal Transfer Facilities	Can the Bidder propose additional loading and unloading spaces to properly accommodate the human traffic that the facility shall hold.	Bidder is informed that the West Station Plaza is included in the Build Only scope and cannot be amended. The Intermodal Transfer Facilities at the East Side are part of the Design and Build scope of the Contractor. Bidder can propose additional loading and unloading spaces as long as the design is in compliance with Employer's requirements				
377	Volume 2		15 ; 155	Outline Design Specification	Public Amenity for Intermodal Transfer Facility	Would like to ask the employer on the specifics of the public facilities for the intermodal facility as enumerated as requirement under the public amenity areas	The Intermodal Transfer Facilities are part of the Design & Build Scope. Bidder should propose Public Facility and Public Amenity Areas in compliance with the Employer's Requirements. Bidder is referred to clause 24.4.4 in the ODS.				
378	Volume 2		1	NSRP-DWG-FTI-AR-3036,(21.2)	Platform Level	The bidder would like to verify if the NSRP Scope on concourse level included for Design and Build part for the contractor.	NSRP scope on concourse level shall follow Drawings and it is not included in the "Design and Build" portion				
379	Volume 2		1	NSRP-DWG-FTI-AR-3022,(21.2)		Can the space highlighted beside Entrance 2 at grade be utilised to be part of the Intermodal Facility since it is designated to be inside property line.	The Build Only scope can not be amended. Contractor is responsible for the design within the Design and Build Scope, and can allowed optimise the design as long as the design is in compliance with Employer's requirements				
380					Train Speed	What are the Train Speeds ? 40,60,80 kph or more? Please confirm.	PNR is operating their trains with the maximum speed of 80km/h, where the normal speed is 40km/h.				
381					Number of Passengers	The bidder would like to verify if the Employer can provide the following items. (1) Number of passenger per hour per station. (2)Numbers of Passengers alighting from a train at a platform. (3) Numbers of Passengers boarding a train at a platform. (4) Nos. of Passengers travelling between two stations.	The station sizing and evacuation strategy is responsibility of the scheme design designer. The obligation of design and built are only for the provision of finishes and detailed design of MEP. Employer sees no benefit of providing this information to the contractor as he is unable to do any changes in evacuation strategy. The responsibility of station sizing evacuation firmly lies with the designers.				
382	Volume 1		20	Section 4 - Key Personnel	Electro Magnetic Specialist	The Bidder would like to verify as to what particular scope of work / job does the Electromagnetic Specialist will be handling. This is for the Bidder to clearly define the qualifications required for the position.	The Electro Magnetic Specialist is responsible for all EMC related matters, which shall include the following:- <ul style="list-style-type: none"> - Identify aspects and solutions for achieving EMC - Review design to assure EMC compliance - Adopt a technical approach to ensure EMC compatibility between co-located systems - Implement rectification and corrective measures for all EMI problems that may arise. The EMC Specialist Reviewer will conduct independent peer reviews of the EMC impact analyses and the EMC Specifications. He will also provide expertise in technical issues that may not be clearly defined in the standards. The EMC Specialist will submit evidence to demonstrate that EMC has been taken care into considerations in the design with any necessary EMC measures taken. EMC Specialist shall ensure that sensitive electronic equipment rooms and high voltage equipment rooms be segregated as far away as possible.				
383	Volume 1A Section 4A Section 4A Bill of Quantities			BILL NO.7 Reinforcement Steel Bar, include Couplers	Gridline 40 to Gridline 47 & Gridline 73 to Gridline 145	May we request for the reinforcement details for this section. (Diaphragm wall, Top Slab, Bottom Slab, Intermediate Slab, Column & Column Capitals and any other structures)	The estimated quantity of the rebar is included in the BOQ. The reinforcement drawings will be provided in IFC set of drawings				
384	Volume 1A Section 4A Section 4A Bill of Quantities			BILL NO.7	Temporary Diaphragm wall	We would like to confirm if reinforcement details for temporary diaphragm walls are just the same for the permanent. If not, we would like to request for the reinforcement details of temporary D-wall.	The estimated quantity of the rebar is included in the BOQ. The reinforcement drawings will be provided in IFC set of drawings				
385	Volume 1A Section 4A Section 4A Bill of Quantities			BILL NO.7 Item no. 2001(2) Removal of Existing Concrete Curb at Sidewalk and Median		May we request for the plan and section details for the removal of existing concrete curb at sidewalk and median	Bidder is referred to NSRP-RD-RS-FTI-0001				
386	Volume 1A Section 4A Section 4A Bill of Quantities			BILL NO.7 Item no. 2001(3) Removal of Sidewalk and Median		May we request for the plan and section details for the removal of sidewalk and median	Bidder is referred to NSRP-RD-RS-FTI-0001				
387	Volume 1A Section 4A Section 4A Bill of Quantities			BILL NO.7 Item no. 2000(4) Re-bar for Diaphragm Wall, W=1.0m	NSRP-STN-CE-FTI-0086	We would like to clarify if the bar diameter at section E-E for D-wall is 32mmØ for ties. Please see Annex 12.	The tie bars are 25 and 20 mm in diameter.				

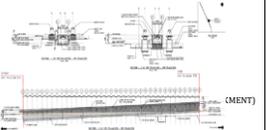
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporated in Bid Document (version)	Published	Included in (GBB No.)
388	Volume 1A Section 4A Section 4A Bill of Quantities		BILL NO.7	2013(1) - Box Culvert No.1 2013(12) - Box Culvert No.2 2013(13) - Box Culvert No.3		May we request a reinforcement details for the box culverts.	Bidder is referred to NSRP-RD-D5-FTI-0001 and 0002				
389	Volume 1A Section 4A Section 4A Bill of Quantities		BILL NO.7	2008(3) - Drilled Re-bar ø16		May we request drawing details for the Drilled Re-bar ø16.	Bidder is referred to NSRP-RD-RS-FTI-0001				
390	Volume 1A Section 4A Section 4A Bill of Quantities		BILL NO.7	Item No. 2009(1) - Expansion Joint		May we request drawing details for the Expansion Joint.	Bidder is referred to NSRP-RD-RS-FTI-0001				
391	Volume 1A Section 4A Section 4A Bill of Quantities		BILL NO.8	Item 600(3) - Concrete Gutter		Kindly confirm if item 600(3) - Concrete Gutter is exclusively for gutter only, or it should be for curb since the detailed drawing provided is for curb only. Also, please provide specific locations or schedule for this item.	The name of Pay Item 600(3) shall be revised to "CONCRETE DROP CURB & GUTTER", as shown in the DWG "RD-RS-FTI-0001". It is applied at 13 nos of pedestrian crossings shown in the DWG "RD-R-FTI-0002 to 0004". The quantity is 104 lm in total (@4mx2x13nos.). Subsequently, the quantity of the item 600(4) shall be revised to 3802 lm. The BOQ will be revised and provided in Bid Addendum 6				
392	Bid Addendum 2 Volume 2 NSRP FTI Station CP S-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4121	FTI Station Structural Plans Platform Floor Framing Plan		In the beam schedule attached in the Platform Floor Framing Plan, the dimensions of PG5 is 800x1000 while in the schedule and details of Stairs, it is 700x1000. Please confirm which one to follow.	PG5 is 800x1000. Sheet FTI-ST-4341 shall be revised and submitted with revision 21.5 and will be included in Bid Addendum 5.				
393	Bid Addendum 2 Volume 2 NSRP FTI Station CP S-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4343	FTI Station Concrete Works-Schedules and Details Stairs Sheet 3	Footing	In Bid Addendum 2, access stairs have been added in the structural drawings. Please confirm in what pay item will the footing of the said structures will be included.	The BOQ shall be revised/updated and include the following pay item: PIN 506(1)aa --- Platform Safety Stairs with Concrete Footing, including Railing and Gate The updated BOQ will be included in Bid Addendum 6.				
394	Bid Addendum 2 Volume 2 NSRP FTI Station CP S-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4344	FTI Station Concrete Works-Schedules and Details Stairs Sheet 4	Footing	In Bid Addendum 2, hallway connecting the main station and Plant building has been added in the structural drawings. Please confirm in what pay item will the footing of the said structures will be included.	The BOQ shall be revised/updated and include the following pay item: PIN 405(1)b --- Structural Concrete, Class "AAA" (31 Mpa) for Footing PIN 405(7)b --- Structural Concrete, Class "AAA" (31 Mpa) for Slab on Fill (At-Grade Slab) The updated BOQ will be included in Bid Addendum 6.				
395	Volume 1A Section 4A Section 4A Bill of Quantities		BILL NO. 6a	Item NO. 538 B1: H=100mm, High Vinyl Baseboard Strip		Location of high vinyl baseboard strip is not indicated on the schedule of finishes nor reflected on detailed plans. Please provide.	PIN 538(2) --- B1: H=100mm, High Vinyl Baseboard Strip is not used on West Station Plaza. The Pay Item will be removed in the BOQ. The updated BOQ will be included in Bid Addendum 6.				
396	Volume 1A Section 4A Section 4A Bill of Quantities		BILL NO. 6a	Item NO. 506(27) 600mx600mm, ceiling Access Hatch/Panel		Kindly provide location of Access hatch/ panel.	For ARCH please refer to sheets NSRP-DWG-FTI-AR-3431 to AR-3435 rev. 21.3 For MECH Access panel please refer to sheet number NSRP-DWG-FTI-ME-5620 rev 21.3, NSRP-DWG-FTI-ME-5676 rev 21.2, NSRP-DWG-FTI-ME-5681 rev 21.2, NSRP-DWG-FTI-ME-5691 rev 21.2 and NSRP-DWG-FTI-ME-5696 rev 21.2				
397	Volume 1A Section 4A Bill of Quantities Volume 2 IC-Technical Specification TS 500-Architectural Works		BILL NO. 6a TS 500-336	Item NO. 535(2) T=20mm, Acrylic Safety Ceiling Deflector for Escalator 535 Plastics	535.4 Method of Measurements	Please verify the unit of measurement for acrylic safety ceiling deflector. According to the technical specification, it is measured in square meter.	The unit of measurement for acrylic safety ceiling deflector should be "each." TS 535.4.1 to be revised and will be provided with Bid Addendum 5.				
398	Volume 1A Section 4A Section 4A Bill of Quantities		Bill No. 5	Pay Item 522(4) 2400 x 1200 x 3mm thick 5mm Dia. Perforated Aluminum Panel with Applied Polyester Powder Coating Finish on Steel Stud		Please provide location and/or drawings for the pay item no. 522(4).	PIN 522(4) --- WF9 Wall: T=4mm Aluminum Composite Material (ACM) with Photocatalyst & FEVE/PVDF (Polyvinylidene Difluoride) Coating and Mineral Fiber Core (Fire Rated) is located on the Temporary Emergency Staircase Exit of FTI. Please refer to sheets NSRP-DWG-FTI-AR-3568, rev 21.3 and NSRP-FTI-AR-3122, rev 21.3.				
399	Volume 1A Section 4A Section 4A Bill of Quantities GBB 14 Item 9		Bill No. 5	Pay Item 536(6) BF4: H=150mm, Honed Granite Tile Baseboard		According to the response in General Bid Bulletin, reference drawings pertain to Underground Passageway, please clarify if the Pay Item is included in Bill No 5 or in Bill No 6b.	"PIN 536(6) --- BF4: H=150mm, Honed Granite Tile Baseboard is included only under Bill No. 5, since it is not used in Underground Pedestrian Passage (Bill No. 6b). Please refer to drawings NSRP-DWG-FTI-AR-3033 & 3034, rev 21.3. For the Underground Pedestrian Passage (Bill No. 6b), baseboard used is PIN 536(16)aa --- BF5: H=300mm, Honed Granite Tile on Concrete Zocalo, as shown in drawings NSRP-DWG-FTI-AR-3541 & 3542, rev 21.2.				
400	Volume 1A Section 4A Section 4A Bill of Quantities		Bill No. 5	Pay Item 532(16)J SH6: W=3000mm x H=3000mm Aluminum Roller Fire Shutter with powder Coated Finish and Vent Holes for Ventilation (120 mins Fire Rating)		Please provide location and/or drawings for the pay item no. 532(16)	PIN 532(16)J --- SH 6: W=3000mm x H=3000mm Aluminum Roller Fire Shutter with Powder Coated Finish and Vent Holes for Ventilation; (120 mins. Fire Rating) is located at Grid n17 Emergency Stairs. Please refer to sheet NSRP-DWG-FTI-AR-3562, rev 21.3				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
401	Volume 1A Section 4A Section 4A Bill of Quantities GBB 14 Item 29		Bill No. 5	Pay Item 536(8)a T=19mm x W=220mm, Granite Linel		According to the response in General Bid Bulletin, reference drawings pertain to Underground Passageway, please clarify if the Pay Item is included in Bill No 5 or in Bill No 6b.	PIN 536(8)a -- T=19mm x W=220mm, Granite Linel is included only under Bill No. 5, since it is not used in Underground Pedestrian Passage (Bill No. 6b). Please refer to drawing NSRP-DWG-FTI-AR-3531, rev 21.3				
402	Volume 1A Section 4A Section 4A Bill of Quantities		Bill No. 5	Pay Item 554(21) 600mm x 600mm, H=750mm, Metal Side Table with Drawer		Please provide location and/or drawings for pay item No. 554(21).	PIN 554(21) -- 600mm x 600mm, H=750mm, Metal Side Table with Drawer has been deleted in the BOQ as included in Bid Addendum 4.				
403	Volume 3 Sec. B (Addendum 2)		PCC 5	14.1 The Contract Price	The following sentence under Clause 14.1 shall not apply: Notwithstanding the provisions of subparagraph (b), Contractor's Equipment, including essential spare parts therefor, imported by the Contractor for the sole purpose of executing the Contract shall be exempt from the payment of import duties and taxes upon importation.	Please confirm that there are no exemptions for the payment of import duties and taxes for imported goods, material and equipment.	The Contractor does not pay for import taxes. Contractor needs to submit in advance a list of items to be imported monthly to DOTr, then DOTr will issue a Certificate of Undertaking to the Bureau of Customs.				
404	Volume 1 Section 3		62	1.5.5 Health and Safety COVID-19 Plan	Also refer to ADR SDCC's advisory in relation to COVID-19 health and safety and international good practices	Please issue copy of the aforementioned ADR SDCC advisory.	Please refer to this link: https://www.adb.org/sites/default/files/project-documents/54079/54079-001-tar-en.pdf				
405			NSRP-DWG-FTI-EL-5825	FTI Station Access Control System Schematic Diagram		Please provide routing for the connection of Access Control System from Station Office for NSRP to Plant Building TR.	Electric Access Control is part of BMS. The BMS is Design and Build as per the specification. The routing will be based on the design of Contractor from Station Office to the TR.				
406			NSRP-DWG-FTI-EL-5701 NSRP-DWG-FTI-EL-5707	FTI Station Fire Detection And Alarm System Schematic Diagram Fi Station Fire Detection And Alarm System Installation Layout Platform Level		Kindly provide the location of FAAP and FTCP at FTI Station Platform Level.	Bidder is referred to the revised drawings NSRP-DWG-FTI-EL-5701 and NSRP-DWG-FTI-EL-5707 rev 21.5 as provided in Bid Addendum 5.				
407			NSRP-DWG-FTI-EL-5701 NSRP-DWG-FTI-EL-5704	FTI Station Fire Detection And Alarm System Schematic Diagram Fi Station Fire Detection And Alarm System Installation Layout Plant Building		Plant Building FDAS Schematic Diagram Shows homerun is FAAP while Plan Layout shows homerun is FACP. Please confirm which will prevail.  a. Schematic Diagram b. Plan Layout	The plan layout will prevail. The Schematic Diagram in NSRP-DWG-FTI-EL-5701 will be amended and provided with Bid Addendum 5.				
408	CP 5-03b Vol 2 Part II Sec 6.1C TS700 Electrical Works Bid Addenda 1 20210514		TS-700 Addenda 1 pg.122-123	Voice Alarm		TS700;710.2.9, Letter 1 states that, "Voice Alarm: An emergency communication system includes central voice alarm system components complete with microphones, preamplifiers, amplifiers, and tone generators. This shall include speaker zone indication, digital voice units and microphone." Please confirm if Voice Alarm is part of FDAS scope. If so, please provide speaker plan layout, zoning layout, and equipment schedule.	FDAS is not part of the scope of CP 5-03b. It's interface with the PA System is provisioned in Package NS01 (System Works) as per Item 6 of Voice Alarms. Bidder is referred to GS Appendix 4.				
409	Bid Bulletin > GBB 16 Bid Addendum 2 > 02, Volume 1A, BOQ > CP 5-03b Vol-1A Sec4A BOQ, Bills Addenda 2 20210616 Bid Bulletin > GBB 16 Bid Addendum 2 > 09, Volume 2, Book 2, Arch > 4, MPFS > CP 5-03b, FTI, ME, PL, SN, PS > NSRP-DWG-FTI-ME-5620_[1,2]			NSRP-DWG-FTI-ME-5662_[1,2] / NSRP-DWG-FTI-ME-5620_[1,2]	Exhaust fan	Please provide the size and specification the following: EF- 08 and EF- 09 are not reflected on the BOQ	*Specifications for: *EF-08: Propeller Type Exhaust Fan for Electrical Room WSP at Roof Deck, Air Flow: 113 L/S and Static Pressure of 50PA *EF-09: Propeller Type Exhaust Fan for EPS Room-1 at Platform, Air Flow: 79 L/S and Static Pressure of 50PA Please refer to drawings NSRP -DWG-FTI-ME-5662 rev. 21.2 NSRP-DWG-FTI-ME-5620 rev. 21.2 NSRP-DWG-FTI-ME-5670 rev. 21.2 EF-08 is included in BOQ Bill No. 6a West Station Plaza. EF-09 is included in BOQ Bill No. 5 FTI Station				
410	Bid Bulletin > GBB 16 Bid Addendum 2 > 02, Volume 1A, BOQ > CP 5-03b Vol-1A Sec4A BOQ, Bills Addenda 2 20210616 Bid Bulletin > GBB 16 Bid Addendum 2 > 09, Volume 2, Book 2, Arch > 4, MPFS > CP 5-03b, FTI, ME, PL, SN, PS > NSRP-DWG-FTI-ME-5620_[1,2]			NSRP-DWG-FTI-ME-5662_[1,2] / NSRP-DWG-FTI-ME-5620_[1,2]	Fire dampers	The following Fire Dampers are reflected on Addendum 2 mechanical plans but not on BOQ, please provide the following: 1. 250 mm dia - 2 pcs 2. 200 mm x 150 mm - 1 pc 3. 200 mm x 200 mm - 2 pcs 4. 250 mm x 200 mm - 1pc 5. 300 mm x 200 mm - 1pc 6. Fire damper attached on EF-01 - 2pcs 7. Fire damper attached on EF-09 - 2 pcs	Yes, the BOQ will be revised with the following quantities: 1. 250 mm dia - 2 pcs 2. 200 mm x 150 mm - 1 pc 3. 200 mm x 200 mm - 2 pcs 4. 250 mm x 200 mm - 1pc 5. 300 mm x 200 mm - 1pc 6. Fire damper for EF-01 - 2pcs 7. Fire damper for EF-09 - 2 pcs The Revised BOQ will be provided with Bid Addendum 6.				
411	Bid Bulletin > GBB 16 Bid Addendum 2 > 02, Volume 1A, BOQ > CP 5-03b Vol-1A Sec4A BOQ, Bills Addenda 2 20210616 Bid Bulletin > GBB 16 Bid Addendum 2 > 09, Volume 2, Book 2, Arch > 4, MPFS > CP 5-03b, FTI, ME, PL, SN, PS > NSRP-DWG-FTI-ME-5681_[1,2]			NSRP-DWG-FTI-ME-5662_[1,2] / NSRP-DWG-FTI-ME-5681_[1,2]	Heat Reclaim Ventilator	Please clarify on HRV-04 duct diameter on plans is 300 mm diameter but on BOQ it says 200 mm diameter	BOQ to be revised and to include W=2450mm, H=1550mm Smoke Exhaust Duct W=600mm, H=400mm Return Air Duct W=500mm, H=400mm Return Air Duct 300mm Dia. Outside Air Intake / Exhaust Duct The revised BOQ will be included in Bid Addendum 6.				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
412	Bid Bulletin > GBB 16 Bid Addendum 2 > 02, Volume 1A, BOQ > CP S-03b Vol-1A Sec4A BOQ, Bills Addenda 2 20210616 Bid Bulletin > GBB 16 Bid Addendum 2 > 09, Volume 2, Book 2, Arch > 4, MPFS > CP S-03b, FTI, ME, PL, SN, FS > NSRP-DWG-FTI-ME-5686, [21.2]			NSRP-DWG-FTI-ME-5686, [21.2]	Wall mounted type AC Unit	Please clarify the quantity of ACW-07 because on plans it is only 4 units while on BOQ it is 8 units.	Correct Quantity of ACW-07 is 4 units. Revised/Updated The quantity of CDU-08 and CDU-09 in the BOQ shall be updated and issued in Bid Addendum 6.				
413	Bid Bulletin > GBB 16 Bid Addendum 2 > 02, Volume 1A, BOQ > CP S-03b Vol-1A Sec4A BOQ, Bills Addenda 2 20210616 Bid Bulletin > GBB 16 Bid Addendum 2 > 09, Volume 2, Book 2, Arch > 4, MPFS > CP S-03b, FTI, ME, PL, SN, FS > NSRP-DWG-FTI-ME-5670, [21.2] > NSRP-DWG-FTI-ME-5696, [21.2] > NSRP-DWG-FTI-ME-5676, [21.2]			NSRP-DWG-FTI-ME-5670, [21.2] NSRP-DWG-FTI-ME-5696, [21.2] NSRP-DWG-FTI-ME-5676, [21.2]	Ducting	The following Ductings are reflected on Addendum 2 mechanical plans but not on BOQ, please provide the following: W=2450mm, H=1550mm Smoke Exhaust Duct W=600mm, H=400mm Return Air Duct W=500mm, H=400mm Return Air Duct 300mm Dia. Outside Air Intake / Exhaust Duct	The BOQ is to revised to include the following: W=2450mm, H=1550mm Smoke Exhaust Duct W=600mm, H=400mm Return Air Duct W=500mm, H=400mm Return Air Duct 300mm Dia. Outside Air Intake / Exhaust Duct Revised/Updated BOQ shall be issued with Bid Addendum 6.				
414	Bid Bulletin > GBB 16 Bid Addendum 2 > 02, Volume 1A, BOQ > CP S-03b Vol-1A Sec4A BOQ, Bills Addenda 2 20210616 Bid Bulletin > GBB 16 Bid Addendum 2 > 09, Volume 2, Book 2, Arch > 4, MPFS > CP S-03b, FTI, ME, PL, SN, FS > NSRP-DWG-FTI-ME-5676, [21.2]			NSRP-DWG-FTI-ME-5676, [21.2]	AC Outdoor Units	Please clarify the quantity of Outdoor units for CDU-08 and CDU-09 because as per plan it is 3 units per outdoor unit while on BOQ there is only quantity stated.	The quantity of CDU-08 and CDU-09 in the BOQ shall be updated and issued in Bid Addendum 6				
415			NSRP-DWG-STA-FS-9011	GENERAL STATION STANDARD DETAILS SHEET 1	Fire Department Connection	Kindly clarify if there is Fire Department Connection in Agrade Station, since it is reflected in the miscellaneous details but not in the detailed layout. If yes, please provide layout and provide line item in the BOQ.	The Fire Department Connection is part of the Design and Build scope, where Contractor need provide one connection for FTI Station. The drawings as provided is a general drawing used for all stations in NSRP. Please note that at Entrance 1 a fire truck set down area is foreseen. Within 18 meters of this area the dry riser should be located. Since this is Design and Build scope the Bidder needs to include the pricing in the Price Schedule. Bidder is referred to the requirements in the Outline Design Specifications.				
416			NSRP-DWG-STA-FS-9011	GENERAL STATION STANDARD DETAILS SHEET 1	Fire Hose Cabinet	In Fire Hose Cabinet kindly clarify if the cabinet itself should be UL Listed or if it is okay if the cabinet is locally fabricated.	UL Listed is not mentioned or required as per TS600. Bidder needs to follow what is required and mentioned in the technical specifications.				
417	Bid Bulletin > GBB 16 Bid Addendum 2 > 02, Volume 1A, BOQ > CP S-03b Vol-1A Sec4A BOQ, Bills Addenda 2 20210616 Bid Bulletin > GBB 16 Bid Addendum 2 > 09, Volume 2, Book 2, Arch > 4, MPFS > CP S-03b, FTI, ME, PL, SN, FS > NSRP-DWG-FTI-SN-6131, [21.2]			NSRP-DWG-FTI-SN-6131		The sewerline and vent system are reflected on plans, but not on BOQ. Please provide these items.	The revised BOQ shall include Sewer and Vent system. The updated BOQ shall be issued with Bid Addendum 6.				
418	Bid Bulletin > GBB 16 Bid Addendum 2 > 02, Volume 1A, BOQ > CP S-03b Vol-1A Sec4A BOQ, Bills Addenda 2 20210616 Bid Bulletin > GBB 16 Bid Addendum 2 > 09, Volume 2, Book 2, Arch > 4, MPFS > CP S-03b, FTI, ME, PL, SN, FS > NSRP-DWG-FTI-SN-6131, [21.2]			NSRP-DWG-FTI-SN-6131		Ostomate Toilet is included in plans but not on BOQ, kindly provide this item.	The revised BOQ shall include work item for Ostomates Sink. The updated BOQ shall be issued with Bid Addendum 6.				
419	Bid Bulletin > GBB 16 Bid Addendum 2 > 02, Volume 1A, BOQ > CP S-03b Vol-1A Sec4A BOQ, Bills Addenda 2 20210616-Bill no.6b CP S-03b Vol 2 Part II Sec 6 ICTS 600 Mechanical Sanitary and Plumbing Bid Addenda 1 20210514-TS 600, 140			Elevator Pit Drain Pipe / Discharge Pipe		Please clarify if what material to be use for pump discharge pipe. Based on BOQ, it is PVC but on Technical Specifications it is galvanized steel, kindly clarify which will prevail.	The following descriptions will be revised: PIN 607 (4) 50mm Dia. Polyvinyl Chloride (PVC) Elevator Pit Drain Pipe to 75mm Dia. Galvanized Iron (G.I) Elevator Pit Drain Pipe. The updated BOQ shall be issued with Bid Addendum 6.				
420	CP S-03b Vol-1A, Sec4A BOQ, Bills Addenda 2 20210616		Bill No. 6a	Item No. 707(5)a / 20mm dia PVC		Please clarify if the item "20mm dia PVC" for Lightning Protection System is PVC or HDPE	20mm dia HDPE will be used. The Updated BOQ shall be issued with Bid Addendum 6.				
421	CP S-03b Vol-1A, Sec4A BOQ, Bills Addenda 2 20210616		Bill No. 6a	Item No. 707(5)b / 32mm dia PVC		Please identify the use of 32 mm dia PVC as it is not reflected in the electrical plan	32mm dia PVC is use for load branches of Panel 1PE located in Site Development - West Station Plaza. Please refer to drawing Sheet No. NSRP-DWG-FTI-EL-5920 Rev. 21.2.				
422	CP S-03b, FTI, EL			FTI Station Photovoltaic Power Generator System Schematic		Please confirm if the Automatic Transfer Switch is part of our scope, as it is not reflected in the BOQ If the Automatic Transfer Switch is part of our scope, please provide specifications	BOQ is to be revised to include the Automatic Transfer Switch and shall be issued with Bid Addendum 6. Regarding the specification, Bidder is referred to GBB no. 21, Bid Addendum 3, Volume 2, TS 700, Section 717.				

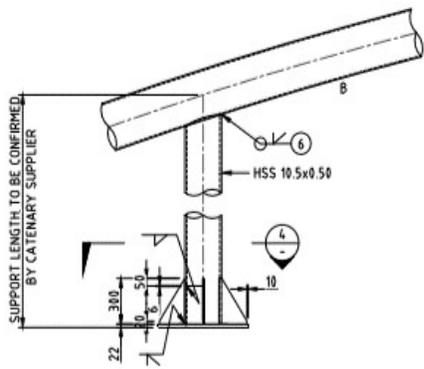
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporated in Bid Document (version)	Published	Included in (GBB No.)
423	Volume 2, Architectural		1	NSRP-DWG-FTI-AR-3033 FTI Station Finishes Sheet 1	High raised floor system	Please provide weight and dimension of electrical/electronic panel supplied by other contractor (railway contractor) installed in rooms with raised flooring that needs dedicated equipment base support. 	The typical loading capacity for raised floor is approximately 450 to 500kg per meter square. It is the Contractor's responsibility to further coordinate with interfacing Contractor for any details.				
424	Volume 2, Architectural		1	NSRP-DWG-FTI-AR-3033 FTI Station Finishes Sheet 1	Eyewash	Please confirm if portable eyewash with dedicated wastewater container is needed in battery rooms.	No this is not required				
425	Volume 2, Underground Drawings		115 of 164	NSRP-DWG-FTI-ELL-20011 FTI Station Electrical-Power Distribution Block Diagram	EDG Load List	Please confirm if the fire pump and sump pumps are both connected included in Emergency Diesel Generator (EDG) load list. In the event of super typhoons which may lead to power grid blackout these equipment may be require to operate. If there is a list of minimum equipment to be supplied from EDG, please provide.	Please refer to NSRP-DWG-FTI-ELL-2011. Both The fire pump and the sump pump are in principle included EDG load list, however, the contractor shall have to coordinate with CP106 contractor for further information.				
426	Volume 2, Underground Drawings		115 of 164	NSRP-DWG-FTI-ELL-20011 FTI Station Electrical-Power Distribution Block Diagram	EDG Load List	Please confirm that EDG will be supplied by Owner. If yes, who will compute/determine the capacity of EDG?	The EDG will be sized and supplied by the CP106 Contractor				
427	Volume 2, Underground Drawings		115 of 164	NSRP-DWG-FTI-ELL-20011 FTI Station Electrical-Power Distribution Block Diagram	Fault duty	What is the fault duty to be considered at the power supply tapping point (low voltage side of transformer)? 	Please refer to the clause 23.4 in ODS.				
428	Volume 2, Underground Drawings		115 of 164	NSRP-DWG-FTI-ELL-20011 FTI Station Electrical-Power Distribution Block Diagram	Variable frequency drives (VFD)	Please confirm whether Variable Frequency Drives require built-in filters?	Please take into account PEC requirement.				
429	Volume 2, Underground Drawings		33 of 164	NSRP-DWG-FTI-EL-CWD-0110 Major Building System's Operational Condition	Level of automation	Is it required to operate individual CB from BMS (start/stop command) and is there a need to monitor the status of CB from BMS such as ON, OFF, TRIP, Local, Remote?	Please refer to the drawing from NSRP-DWG-FTI-BMS-CWD-0001 to NSRP-DWG-FTI-BMS-CWD-2007				
430	Volume 2, Underground Drawings		33 of 164	NSRP-DWG-FTI-EL-CWD-0110 Major Building System's Operational Condition	Maintenance hoist	Please confirm if electric hoist will be provided for tunnel ventilation fans and large pumps for maintenance purpose. If there is an equipment list that needs hoist, please provide.	The electrical hoist for TVF and Large Pumps shall be provided by the Contractor				
431	Volume 2, Part II	Section 61 E-1 Underground technical specifications	160	2100.3.3 (s)	Circle shape holding device	Please advise on the intention of this device (i.e. is it for the assembly of the tail shield or the placement of the segmental lining or otherwise?)	Circular shape holding device is for fine adjustment required to keep true circumference of segment lining				
432	PS 20	Section 4A Bill of Quantities and Pricing Schedules			Culvert and construction under PNR tracks (advance works)	The interface point of the advance works portion of box culvert under PNR tracks and the remaining scope of the culvert under the bidder's scope is not indicated on the drawing. Please confirm our understanding that the shaded portions in the attached sketch represent the advance works mentioned in this provisional sum. Refer to Query Set B, Query 2 attachment	Please assume the whole section of box culverts shall be constructed by the Bidder under PS. The exact scope will be provided to the Bidder after award, during the implementation stage.				
433						Please advise on duty and tax exemptions applicable to materials and equipment imported for the purpose of this project.	The Contractor does not pay for import taxes. Contractor needs to submit in advance a list of items to be imported monthly to DOTr, then DOTr will issue a Certificate of Undertaking to the Bureau of Customs.				
434						The underground drawings show three segment types with different reinforcement density for each segment type without giving the quantity of each segment type along the tunnel alignment. Please provide the distribution of each type along the tunnel alignment.	Bidder's Query is unclear, Bidder is requested to provide more detail.				
435	Addendum 2 and 3					We request for the CAD Files of the drawings based on Addendum 2 and 3 changes	CAD files of the revised drawings will be provided with Bid Addendum 5				
436	Vol. 1 Section 3 EQC16, Section 4 BF16 & Vol. 2 Section 6 IV		Varies	Varies	Key Personnel	There are discrepancies at each section regarding specified Key Personnel. 1) The name of Interface and Coordination Manager has been changed in Vol. 2, Section 6 by Addendum 3. However, other sections hasn't been changed. 2) There are no 2 Key personnels as below in the list of Minimum Key Personnel Required for CP 5-03b in Section 6: - Design Interface Manager - Electromagnetic Specialist Please confirm that 1) which position name is correct and 2) whether the bidder should provide copies of CVs of Design Interface Manager and Electromagnetic Specialist.	Please refer to Bid Addendum No. 5 for the details.				
437	Vol.3 Particular Condition of the contract		16/62	14.1 The Contract Price	The following sentence under Clause 14.1 shall not apply: Notwithstanding the provisions of subparagraph (b), Contractor's Equipment, including essential spare parts therefor, imported by the Contractor for the sole purpose of executing the Contract shall be exempt from the payment of import duties and taxes upon importation.	According to our understanding from this item, the contractor shall pay all the taxes including the Custom Duties, Import duties for the importation of the main machinery, specifically the TBM's and its parts & spare parts. Please confirm.	The Contractor does not pay for import taxes. Contractor needs to submit in advance a list of items to be imported monthly to DOTr, then DOTr will issue a Certificate of Undertaking to the Bureau of Customs. The Bidder is referred to the amended wording in Bid Addendum 4.				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
438	Vol.3 Particular Condition of the contract		27/62	15.2 Termination by the Employer	Add new Subclause 15.2(g) as follows: "The Engineer gives two consecutive Notices to update the Program and accelerate the works to include mitigation measures required to ensure compliance with Clause 8.2 [Time for Completion] and the Contractor fails to update the Program and demonstrate acceleration of the works within a reasonable period of time determined by the Engineer."	The new Sub-clause 15.2(g) deals with accelerations of the Program of works. There is no implication of the reason for the Engineer to release such notice, and the Engineer decides what the reasonable time in submitting relative documents. This may result in giving the Engineer too much discretion in deciding the Termination of the Contract. We believe the acceleration in the new sub-clause refers to rectification of delays and such rectification may be carried out in accordance with sub-clause 8.6 Rate of Progress, as it already suggests such adjustment of the program by the Contractor upon notice by the Engineer. as such, please consider the following re-wording of the newly suggested sub-clause for Termination by the Employer. Add new sub-clause 15.2(g) as follows: "Fails to update the Program and demonstrate acceleration of the works within reasonable period of time determined by the Engineer after the Engineer gives two consecutive Notices in accordance with Clause 8.6 [Rate of Progress] to update the Program to rectify delays in the works and include mitigation measures required to ensure compliance, to the extent possible, with Clause 8.2 [Time for Completion]. Notwithstanding the above, the reasonable period shall not be less than 56 days."	No change will be made to the current sub-clause during bidding.				
439	Vol.3 Particular Condition of the contract		59/62	Contract Form CF8	Retention Money Security	As we understand from the given form in the tendering forms the retention money can be replaced by a retention security instead of cutting from the IPC's. Please state the procedure for the submitting of the retention security if - it will be submitted in monthly basis or every 3/6/12 months, - it will be submitted in the front, - or any other procedure.	Bidder's request is noted. However, the Bidder is advised that the text of Clause 14.9 stands during the bidding.				
440	Addenda3 Vol. 1 Sec 4 Monitoring Sheet		1/3	No 2	The following has been amended: The Bidder shall submit on Bidder's initial Design Approach in accordance with the various Employer's Requirements for the following works based on the Basic Design drawings, which are part of the design scope of the Underground Station and the Tunnel: - Building Works - Electrical & Mechanical Works	Please be informed that in the Sec. 4 of addendum 3 states that "The Bidder shall submit Bidder's Design Approach in accordance with the various..." however the word "approach" was deleted in the monitoring file. Since the design of the project cannot be prepared during the tendering stage, please confirm that Bidder's design approach shall be submitted along with the tender files.	It is confirmed that the Bidder's Design Approach shall be submitted.				
441	Volume 1 Sec. 1-3.5		BDS 5 Page 31/72	ITB 20.2	If the Bidder is an intended or an existing Joint Venture, the power of attorney should be signed by all partners and specify the authority of the named representative of the Joint Venture to sign on behalf of, and legally bind the intended or existing Joint Venture. If the Joint Venture has not yet been formed, also include evidence from all proposed Joint Venture partners of their intent to enter into a Joint Venture in the event of a contract award in accordance with ITB 11.2.	Since this is an international bid which allows the bidders who may be from different countries, it is not possible to have one joint Power of Attorney (which must be officially notarized by legal institutes) in one PoA document. Therefore, we kindly request you to accept separate PoA's from every single joint venture partner separately authorizing the same person to sign the tender.	The Employer can accept separate PoA's from every single joint venture partner separately authorizing the same person to sign the tender.				
442	Volume 1 Sec. 1-3.5		BDS 4 30/72	ITB 15.1	The unit rates and the prices shall be quoted by the Bidder in the Price Schedule separately in the following currencies: (i) For those inputs to the Works that the Bidder expects to supply from within the Employer's country, in Philippine Peso (PHP), and further referred to as "the local currency"; and (ii) For those inputs to the Works that the Bidder expects to supply from outside the Employer's country (referred to as "the foreign currency requirements"), in up to any three (3) foreign currencies.	Please confirm that the foreign currency portion of the tender prices will be paid directly to the contractor as foreign currency, no exchange will be made to Philippine Pesos for the interim payments during the project period.	It is confirmed that the foreign currency portion of the tender prices will be paid directly to the contractor as foreign currency, no exchange will be made to Philippine Pesos for the interim payments during the project period.				
443	Volume 1 Sec. 1-3.5		BDS 1 27/72	ITB 1.1	The number of the Invitation for Bids (IFB) is: None	The IFB number must be filled in the letter of bid, however the Employer did not give any IFB number in the ITB. Therefore, we consider that we must use the OCB, which is "PB21-058-5" to the blanks where the IFB, OCB or any tender number required from us to fill. Please confirm.	Bidder's understanding is correct. The IFB NO. PB21-058-5				
444	Volume 3 Addendum 3 Key Personnel		1-5	Key Personnel(4) have not less than 5 years of experience within the railway environment.	Please confirm that the railway environment includes all kinds of railways such as underground metro lines, at grade railway lines, at grade metro lines, elevated railways, elevated metro lines, intercity railways, metro & railway depots.	Bidder's understanding is correct.				
445	N/A					As per our understanding, the UG Station FTI, shall be constructed as top-down method, is this an obligation or may the bidder offer other methods.	The basis of design for the Station Box Structure is top-down. After the award the Contractor is allowed to propose alternatives. Any proposed alternative shall be reviewed and is subject to approval by the Engineer				
446	Vol2 Part 2 Sec. 6 IA		ER 17	4) TBM Retrieval at Senate Station	a) The Retrieval Shaft in Senate Station will be complete and free of encumbrances to facilitate the driving in of the Contractor's TBM, ie base slab cast, all struts removed, temporary services removed etc.	Since the retrieval shaft was stated to be ready at the Senate station, the bidder requires the handover time, and details such as dimensions of the shaft, the right of way around the retrieval shaft, and the duration which was considered by the employer for the TBM retrieval. Please provide the details of the retrieval shaft to the bidders.	The retrieval shaft details are shown in the drawings provided in the Site Data with Bid Addendum 3. These drawings are for information only. The twin tunnels between Senate and Terminal 3 of NMA are to be constructed under CP109 of the MMSP. The CP109 tunnels be constructed before the S03b tunnels and will be undertaken by a single TBM traveling from T3 to Senate, turning at Senate and returning back to T3. The CP109 TBM is due to leave Senate approx. 39 months after the award of S03b Contract and it will take a further 2 months to clear the section where the tunnels are stacked. This means that the S03b TBMs shall not enter the stacked section until approx. month 41 at the earliest and are anticipated to arrive at Senate no earlier than approx. month 43.				
447	Volume 2, Drawings & Volume 2, IA - Scope of Works		Underground Drawings & SOW (page 18 of 38, Add.3)	Reference Drawings No: NSRP-STN-CE-FTI-00xx - FTI Station Profiles & Plans NSRP-AL-CE-0008 - General Alignment Sheet B/10 NSRP-IT-CE-FTI-0004 - FTI Station, End of Cut&Cover & Sub-clause 2.2.3 - Underground Civil Work, 2) Cut & Cover	Text in SoW, Sub-clause 2.2.3 - Underground Civil Work, 2) Cut & Cover (page 18 of 38); Cut and Cover shall be constructed from FTI Station - Underground Section to Chainage 27.095km (MMSP Chainage) with length of approx. 64m	In consideration of the Project Drawings referred herein and the content given in Volume 2, IA - Scope of Works, there is a discrepancy regarding the exact location of the end of cut&cover since, each drawing actually shows various location and seems, it is actually ended before Chainage 27.095km (this might be more easily identified in the General Alignment Sheet) Therefore and to avoid any confusion for the further studies, the Bidder kindly requests from the Employer to define Chainage of End of Cut&Cover as well as the starting point	As per the ATG drawing NSRP-DWG-ATG-ST-4106 Rev 21, the extent of the Earth Cut is at KM 27+095.800. The extent of the earth cut shown in General Arrangement Drawing to be revised to KM 27+095.800. Drawing NSRP-DWG-VIA03b-ST-0018 to be revised and included in Bid Addendum 5.				
448	Volume 2, Drawings & Volume 2, IA - Scope of Works		Civil At-Grade Drawings & SOW (page 18 of 38, Add.3)	Reference Civil, At-Grade Drawings No: NSRP-DWG-ATG-ST-4002 - Schedule of Soil Treatment & Sub-clause 2.2.2 - At-Grade Section, Sub-clause 2.2.3 - Underground Civil Work, 2) Cut & Cover		As per the Soil Treatment Schedule, Jet Grouting Works will be also continuing after the FTI Station (Chainage from KM 18+900 to 19+441). However cut & cover will also take in the same place upto the MMSP Chainage 27.095km which is equivalent to 19.622km in NRSF Chainage. So, the Employer is kindly requested to check and confirm if Jet Grouting will take place also after the FTI Station.	No, the ground treatment located above the underground box is not required. Ground improvement shown on the following sheets removed: NSRP-DWG-ATG-ST-4002, 4100 to 4103, 4300 to 4309 NSRP-DWG-VIA03b-ST-0011 to 0016 Drawings to be issued as Rev 21.5. BoQ to be revised. Pay item 228(1)- Jet Grouting, 2500mm dia. to be deleted in the BOQ. The revised documents will be included in Bid Addendum 5 (drawings) and Bid Addendum 6 (BOQ)				
449	Volume 2, Section 6, IV - Equipment		Page 3 of 4	Equipment Requirements for S-03b		There are various equipment listed in this section as "Equipment Requirements for S-03b". The Bidder would like to clarify if it is acceptable to not comply with all the listed Equipment specially if the said Equipment are not necessary in completing the construction work and/or intended method of work	The equipment list provided is only for Bidder's information. The Bidders shall propose the major equipments for completion of the works in accordance with their intended method and schedule.				

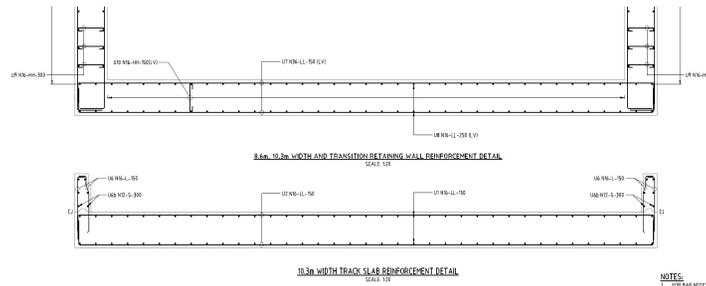
No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
450	Site Data		All	Sites for Spoil Disposal	Assistance for the location of disposal area and borrow pit		<p>It is the Contractor's responsibility to find suitable disposal area.</p> <p>The Contractor shall provide the plan for the location and distance of disposal area of all the spoil extracted in the construction for the Engineer's approval.</p>				
451	Vol. 2 Part II Sec 6 IE1 Underground Tunnel Works UTS		180/192	2100.6.2.2	<p>Electric Power Supply Facilities</p> <p>Electric power supply generators shall be planned and installed on the construction yard considering the total electric power required by TBM.</p> <p>The power supply generators shall be planned. All electric power for TBM shall be supplied by generators during construction.</p>	Please clarify that if the Bidder shall plan its electric supply for TBM's from the on site generator, which would be brought by the contractor, and not from the city network. Therefore, city network electricity supply will not be approved by the Employer during the execution stage.	The Contractor shall provide their own power supply for the operation of the TBMs and this shall not be from the city network. During the project execution phase, any proposal for a change from generators to the city network may be made to the Engineer, however there is no guarantee that this would be accepted.				
452	Vol 2 / Drawings		General	Drawings General / On Site Conditions	Existing Structures	As we have studied the tender drawings and the addenda of this tender, please supply the as built drawings of the possible bridge / elevated lines' as built drawings to the bidders in order to plan the TBM construction sequence on time.	Drawings of SLEX C5 and C6 have been provided as Site Data with Bid Addendum 2.				
453	Addendum-3 Volume 3 Site Data		1-110	Environmental Impact Statement (EIS)	<p>Disposal of contaminated soils'</p> <p>If contaminated materials are encountered, this will be removed from the site to the satisfaction of the Engineer. Whenever materials of doubtful characteristics are discovered in any area where excavation is being performed, or at places where embankment will be formed which, in the opinion of the Engineer, are contaminated shall be treated by an DENR-EMB accredited Treatment, Storage and Disposal (TSD) facility and only be disposed of to a disposal site approved by the Engineer once it is safe to dispose elsewhere.</p>	There is a need for a dump site to dispose the 'Disposal of contaminated soils' unsuitable material to be used as waste. The bidder requests the Employer to suggest a suitable place for contractor with regard to the (Addendum-3) as mentioned in the reference text that these areas must be legally accredited. In terms of cost studies, it is important to determine these places and notify them to the bidders.	<p>It is the Contractor's responsibility to find suitable disposal area.</p> <p>The Contractor shall provide the plan for the location and distance of disposal area of all the spoil extracted in the construction for the Engineer's approval.</p>				
454	Addendum-3 Volume 2 Part II Sec 6 IA Scope Of Works		19/38	3) Bored Tunnel (3640m)	<p>Tunnels with double tube from FTI Station to Senate Station (CP 108 MMSF) shall be constructed with two sets of TBMs and shall include, but not be limited to, the following:</p> <p>a) Two sets of TBMs with complete accessories for the double tunnel (South Bound and North Bound)</p> <p>b) Skin Plate (Outer Shell) for each TBM shall remain and be left in at the end of the CP503b Tunnel at Senate Station.</p>	Please clarify the reason to set the shield remain and left by the contractor at the end of the Tunnel near the Senate station; - Is this because of the reason that the retrieval shaft's dimensions, - Shall the contractor be asked to remove both or one of the TBM's from the tunnel through the FTI station? - Can you please specify the location where TBM shield to be left in the Senate Station.	<p>The skin plates of the TBM will have to be left at Senate Station. One of the main reasons is the dimension of the floor slab which do not allow for a full breakthrough.</p> <p>Once the Skin plate is left, the other parts of the TBM will have to be dismantled and be removed. This can be done either through FTI or Senate Station. Addendum 3 gives a 13 month window for the S03b Works at Senate.</p> <p>The retrieval shaft details are provided in Bid Addendum 3. These drawings are for information only.</p> <p>The location of the shield is shown in the General Notes and Construction Details, Drawing NSCR-GN-CE-CD-0002 'Concrete Strength Criteria for TBM Tunnel'</p>				
455	Bid Addendum 3 Volume 2 NSRP FTI Station CP S-03b: Detailed Design Structural Drawings		NSRP-DWG-FTI-ST-4411	FTI Station Steelworks Roof Details-Sheet 1	Catenary Support details	In the notes stated in the drawing, it is indicated that catenary support details will be designed by others. Kindly clarify if it is the scope of the bidder since in the BOQ, there's a provided quantity for the structural steel of the catenary support however, there are no provided details and locations for this item.	<p>The wording has been amended to:</p> <p>Refer to drawing NSRP-DWG-FTI-AR-3301 for the Catenary Support Details. Overhead Catenary System is designed by others.</p> <p>NSRP-DWG-FTI-ST-4411 revision 21.5 will be issued with Bid Addendum 5</p>				
456	CP S-03b Vol 2 Part II Sec 6 IC TS 700 Electrical Works Bid Addenda 1 20210514		TS-700 Addenda 1 pg. 103-134			Kindly confirm if Fire Detection and Alarm System requires PC-based Workstation in both At-Grade and Underground Stations.	<p>The TS-700 specifications refer to the Build only scope only, the Design and Build specifications are provided in the ODS and the UTS Specifications:</p> <p>- UTS CIVIL 100-200-300-500-600-700</p> <p>- UTS ARCH 800-900-1000-1000</p> <p>- UTS MEP 1100-1200</p>				
457			NSRP-DWG-FTI-FS-6636	FTI STATION FIRE WATER INSTALLATION FOR NSRP AND UNDERGROUND PASSAGE	Floor Control Valves Assembly	In underground passage, kindly verify if there is Floor Control Valve assembly. If yes, please include it in the layout and include in the BOQ of underground passage pedestrian.	Yes, a Floor Control Valve Assembly is required and is deemed to be included in the fire water installation works				
458	CP S-03b_03_FTI_EL CP S-03b Vol -1A Sec4A BOQ Bills Addenda 2 20210616		NSRP-DWG-FTI-EL-5503 NSRP-DWG-FTI-EL-5201_[21.2] Bill No. 5	FTI Station Panelboard Load Schedule Sheet 4 FTI Station Cable Containment Layout NSRP Building 1 Ground Floor Power Distribution Panel		Please clarify the discrepancy between the plans, load schedule and BOQ for the Panels PP6 and PP7: 1. Based on addendum 2 revised Cable Containment Layout, loads from PP7 changed to PP6 2. There is no change in Load Schedule for PP6 and PP7 in addendum 2 3. There is no item for PP6 in Bill No. 5 of BOQ in addendum 2	<p>1. Refer to revised load schedule NSRP-DWG-FTI-EL-5503, rev.21.5.</p> <p>2. PP7 was omitted. Refer to revised load schedule NSRP-DWG-FTI-EL-5503 rev.21.5.</p> <p>3. The BOQ shall be revised and include Panel PP6 and its corresponding change.</p> <p>The revised documents will be included in Bid Addendum 5 (drawings) and Bid Addendum 6 (BOQ)</p>				
459	Volume 3, Section 8		PCC 5	14.2 Total advance payment		May we request that the Advance Payment be increased to from 15% to twenty percent (20%) to mitigate and assist in the anticipated negative cash flow of the Contractor	Bidder's request is rejected				
460	Volume 1A Sec 4a					With reference to the mainline (at grade including U-Wall and Embankment), structural steelworks and related architectural works are found in the drawings, however, they are not reflected in the Bill of Quantities No.3 (Mainline). Can you please kindly clarify: A) How these missing items will be measured and paid to the contractor? B) Similarly, if there are any other items that are missing in the BOQ whereas they are shown in the drawings, what will be the procedure for payment of these items?	<p>Structural Steel works and related architectural works for the Mainline are included and will be paid under Bill No. 5 pay items, as follows:</p> <p>PIN 408(1) --- Structural Steel, Furnished, Fabricated and Erected</p> <p>PIN 523(4) --- T=0.6mm Pre-painted Rib Type G.I. Roofing</p> <p>PIN 524(5) --- T=0.6mm, Pre-painted G.I. Roof Gutter for MMSF Railtrack</p> <p>PIN 519(1) --- Fireproofing (Intumescent Paint for Metal / Steel)</p> <p>PIN 548(4) --- High-performance Urethane Coatings (Metal / Steel Painting)</p> <p>PINs 527(26)aa to 527(26)bb --- Mechanical Louvers</p>				

No.	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Collated Response	Status	Incorporate d in Bid Document (version)	Published	Included in (GBB No.)
461	Volume 1A Sec 4a				BILL OF QUANTITIES No. 7 STATION CIVIL STRUCTURE WORKS (UNDERGROUND) PART G INSTRUMENTATION AND MONITORING 2012(1) Instrumentation and Monitoring	Can you please clarify if the monitoring and instrumentation works along the tunnel alignment will be priced/paid under this BOQ item?	Regarding the monitoring and instrumentation works along the tunnel alignment, Bidders are requested to price the said cost under BQ item 2109(3) "Tunnel Excavation".				

Annex 1

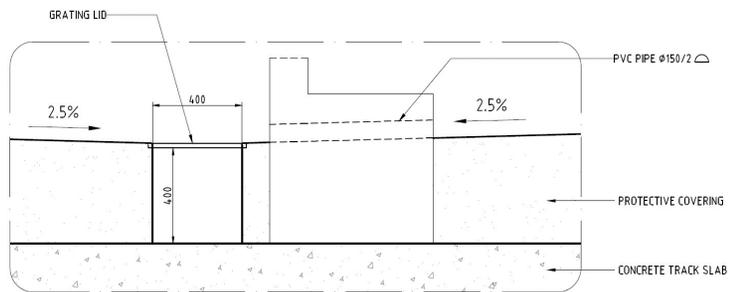


CATENARY SUPPORT POST - TYPICAL DETAIL (REFER NOTE 4)
SCALE 1:20



NSRP-DWG-ATG-ST-4207

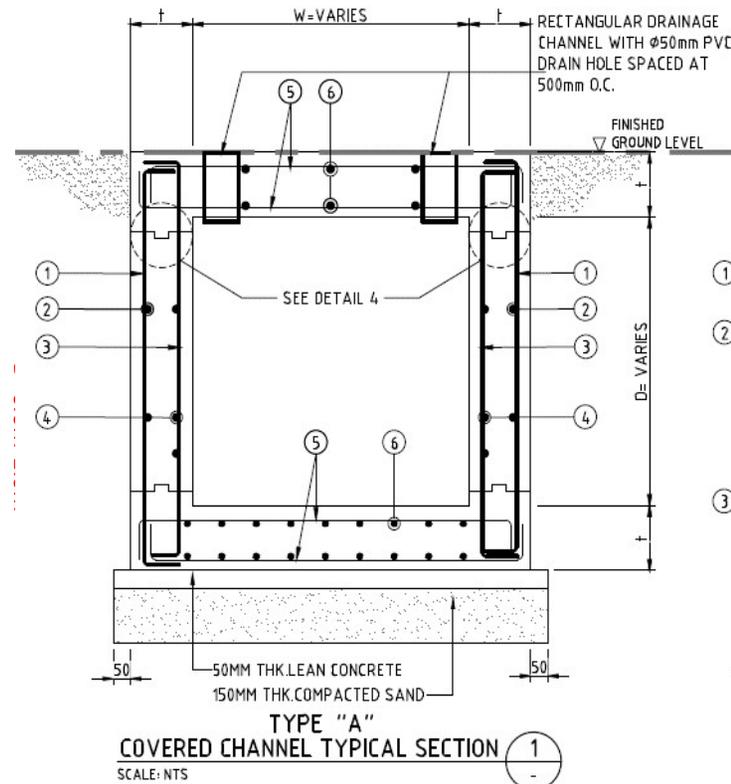
Annex 2



BLOW UP DETAIL 2
SCALE 1:10

NSRP-DWG-ATG-ST-4203

Annex 3



NSRP-DWG-ATG-ST-4203 FINISHED

Annex 4

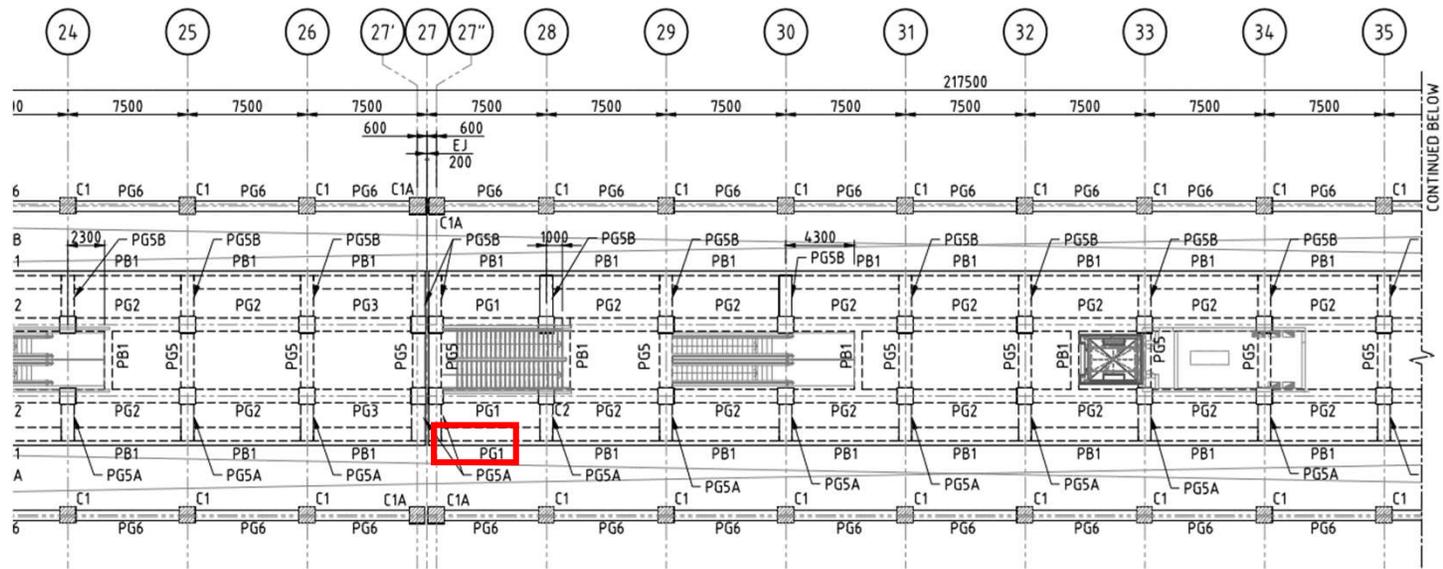
NOTES:

UNLESS OTHERWISE NOTED.

1. FOR GENERAL NOTES AND LEGEND, REFER TO DRAWINGS NSRP-DWG-STA-ST-4001 TO 4003.
2. ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METERS UNLESS NOTED OTHERWISE.
3. MINIMUM 28 DAY CHARACTERISTIC CONCRETE COMPRESSIVE STRENGTH, $f'c = 36MPa$ FOR MAT FOOTING, FOUNDATION GIRDERS, $f'c=31MPa$ FOR COLUMNS AND WALLS.
4. BOTTOM OF MAT FOUNDATION (MF1) IS AT EL. +16.25m (TOP SLAB OF MMSP)
5. PROVIDE 36mm DIAMETER X 10000mm LENGTH @ 1000mm O.C. DOWEL BARS FROM MMSP TOP SLAB EMBEDDED AT THE CENTER OF FOOTING GIRDER OF NSRP.
6. RETAINING WALL : RW30

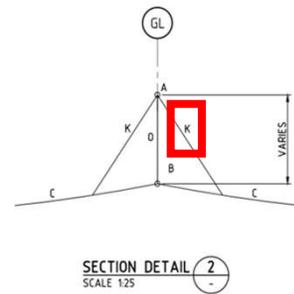
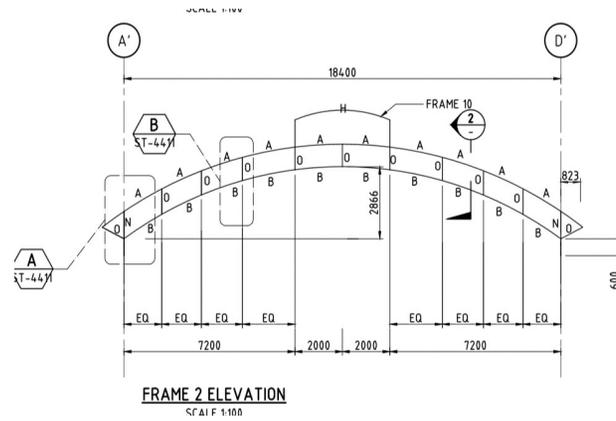
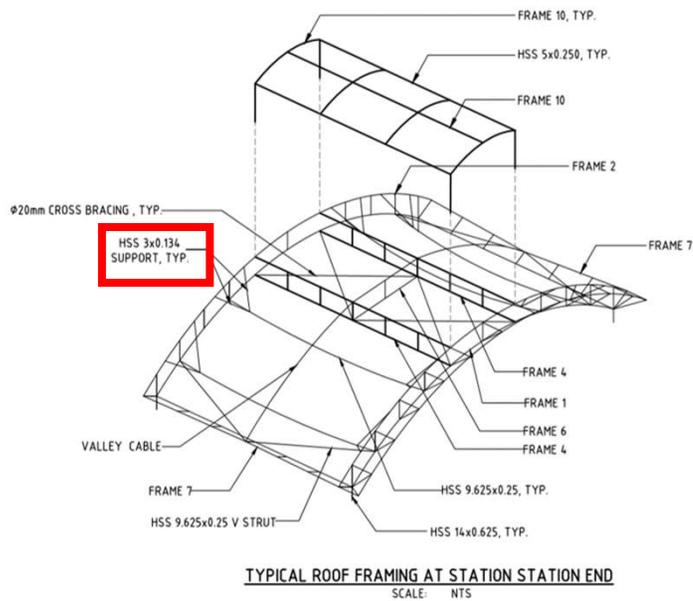
NSRP-DWG-FTI-ST-4101

Annex 5



NSRP-DWG-FTI-ST-4121

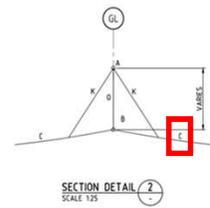
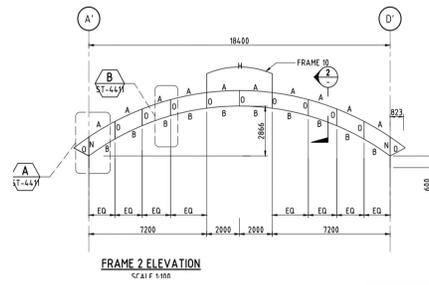
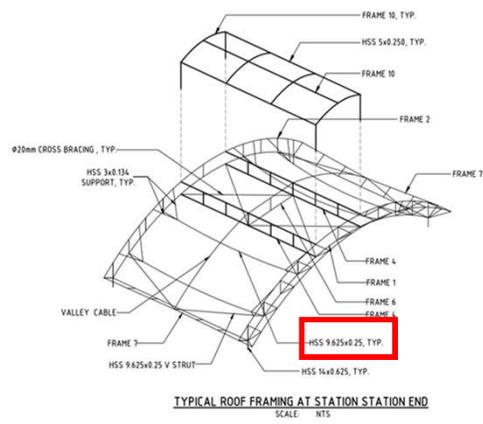
Annex 6



MEMBER SCHEDULE		
MARK/DESIGNATION	PROFILE	SIZE
A	ROUND	HSS 16x0.500
B	ROUND	HSS 18.00x0.500
C	ROUND	HSS 9.625x0.312
D	ROUND	HSS 9.625x0.312
E	ROUND	HSS 8.625x0.25
F	ROUND	HSS 9.625x0.375
G	ROUND	HSS 9.625x0.312
H	ROUND	HSS 5x0.188
I	ROUND	HSS 8.625x0.188
J	ROUND	HSS 8.625x0.50
K	ROUND	HSS 3.5x0.188
L	ROUND	HSS 3x0.152
M	ROUND	HSS 5x0.25
N	ROUND	HSS 16x0.500
O	ROUND	HSS 7x0.188

NSRP-DWG-FTI-ST-4401 to 4403

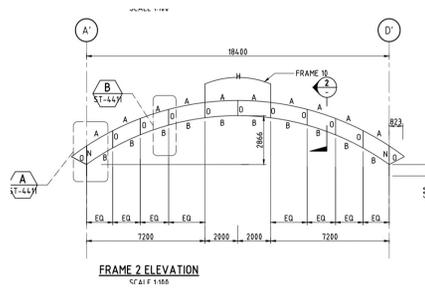
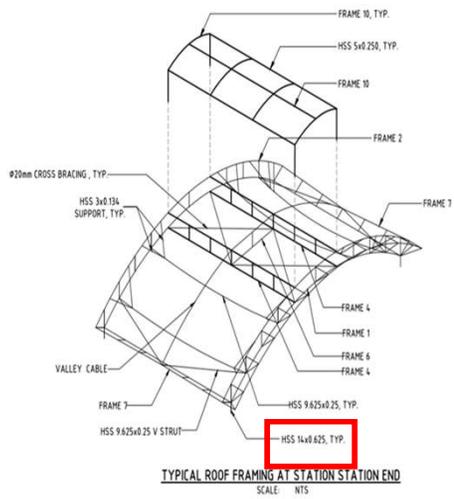
Annex 7



MEMBER SCHEDULE		
MARK/DESIGNATION	PROFILE	SIZE
A	ROUND	HSS 18x0.500
B	ROUND	HSS 18.00x0.500
C	ROUND	HSS 9.625x0.312
D	ROUND	HSS 9.625x0.312
E	ROUND	HSS 8.625x0.25
F	ROUND	HSS 9.625x0.375
G	ROUND	HSS 9.625x0.312
H	ROUND	HSS 5x0.188
I	ROUND	HSS 8.625x0.188
J	ROUND	HSS 8.625x0.50
K	ROUND	HSS 3.5x0.188
L	ROUND	HSS 3x0.152
M	ROUND	HSS 5x0.25
N	ROUND	HSS 18x0.500
O	ROUND	HSS 7x0.188

NSRP-DWG-FTI-ST-4401 to 4403

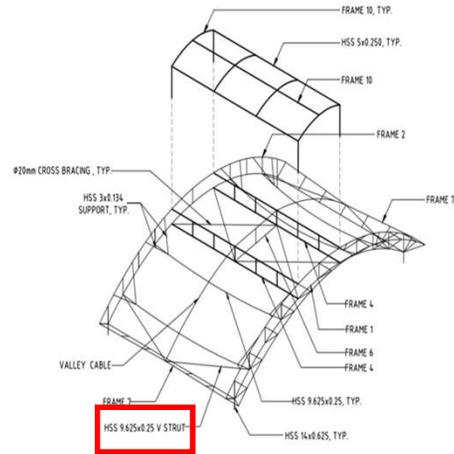
Annex 8



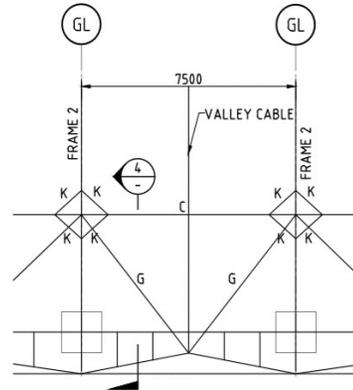
MEMBER SCHEDULE		
MARK/DESIGNATION	PROFILE	SIZE
A	ROUND	HSS 16x0.500
B	ROUND	HSS 18.00x0.500
C	ROUND	HSS 9.625x0.312
D	ROUND	HSS 9.625x0.312
E	ROUND	HSS 8.625x0.25
F	ROUND	HSS 9.625x0.375
G	ROUND	HSS 9.625x0.312
H	ROUND	HSS 5x0.188
I	ROUND	HSS 8.625x0.188
J	ROUND	HSS 8.625x0.50
K	ROUND	HSS 3.5x0.188
L	ROUND	HSS 3x0.152
M	ROUND	HSS 5x0.25
N	ROUND	HSS 16x0.500
O	ROUND	HSS 7x0.188

NSRP-DWG-FTI-ST-4401 to 4403

Annex 9



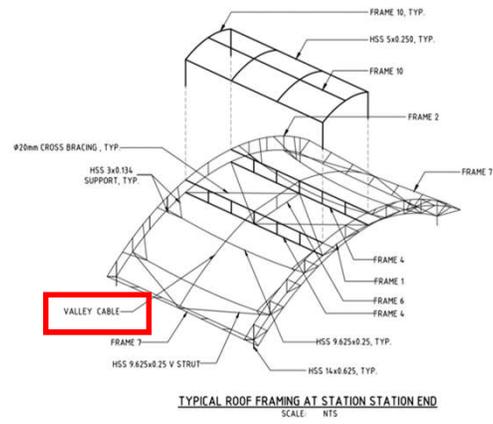
TYPICAL ROOF FRAMING AT STATION END
SCALE: NTS



MEMBER SCHEDULE		
MARK/DESIGNATION	PROFILE	SIZE
A	ROUND	HSS 16x0.500
B	ROUND	HSS 18.00x0.500
C	ROUND	HSS 9.625x0.312
D	ROUND	HSS 8.625x0.312
E	ROUND	HSS 8.625x0.25
F	ROUND	HSS 9.625x0.375
G	ROUND	HSS 9.625x0.312
H	ROUND	HSS 5x0.188
I	ROUND	HSS 8.625x0.188
J	ROUND	HSS 8.625x0.50
K	ROUND	HSS 3.5x0.188
L	ROUND	HSS 3x0.152
M	ROUND	HSS 5x0.25
N	ROUND	HSS 16x0.500
O	ROUND	HSS 7x0.188

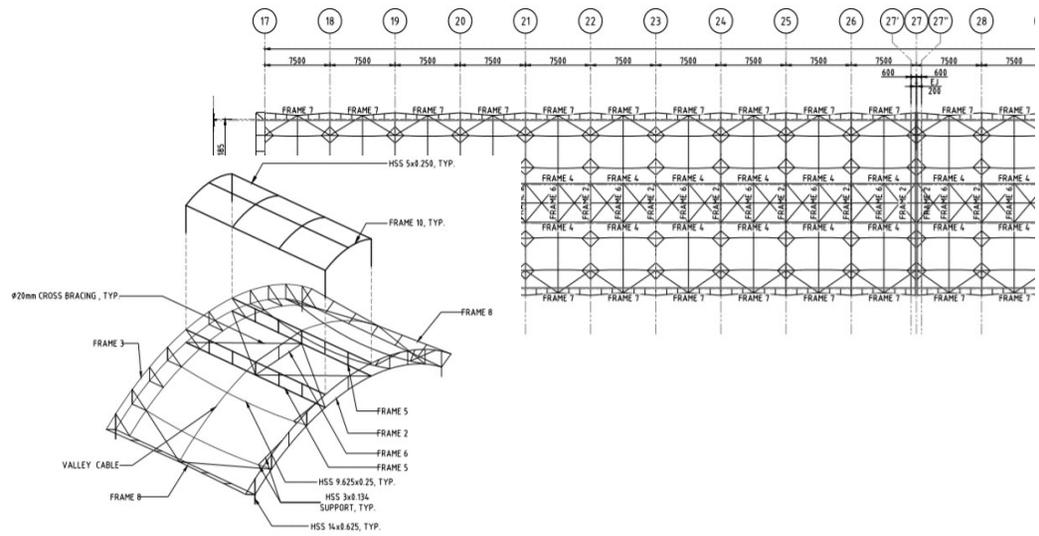
NSRP-DWG-FTI-ST-4401 to 4403

Annex 10



NSRP-DWG-FTI-ST-4401 to 4403

Annex 11

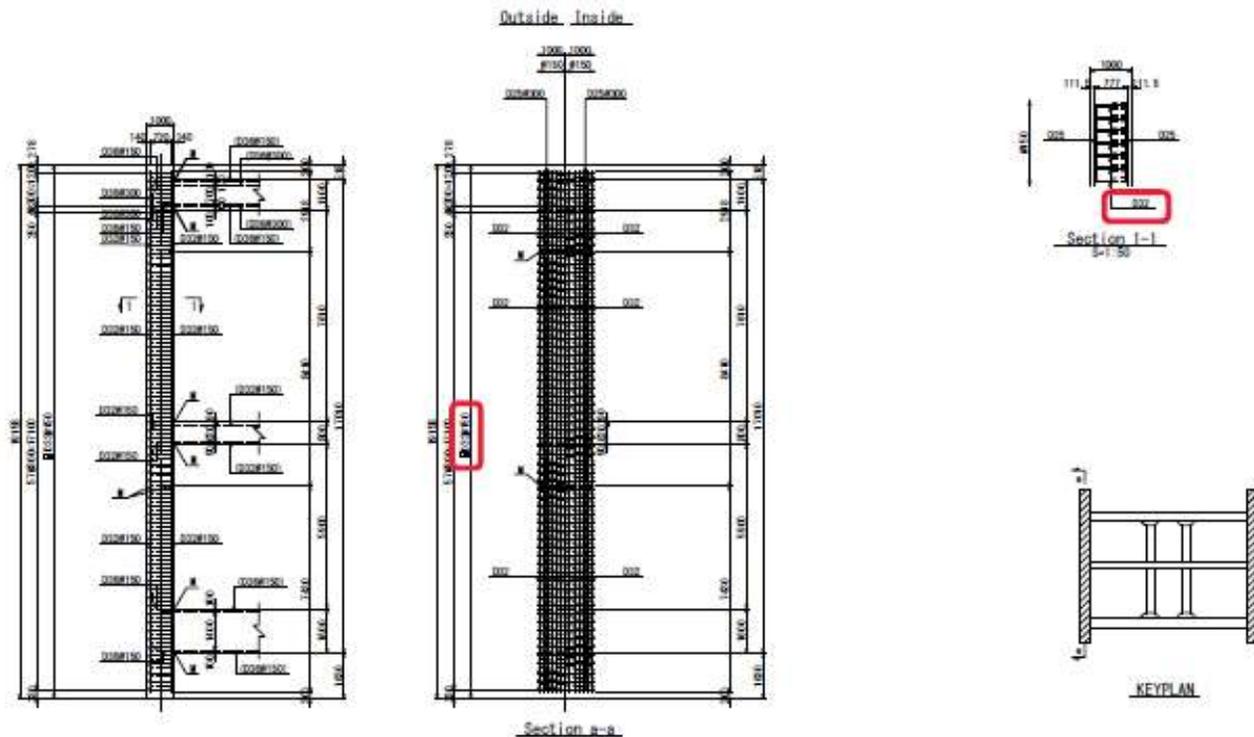


TYPICAL ROOF FRAMING AT EXPANSION JOINT
SCALE: NTS

NSRP-DWG-FTI-ST-4401 / NSRP-DWG-FTI-ST-4141

Annex 12

Diaphragm wall reinforcement detail (Section E-E) 5-1.75



Note

1. The materials, their types, and the shape of rebar processing are shown in GENERAL NOTES.
2. Refer to platform and staircase reinforcement layout, set up reinforcing bars for columns, walls, slab and more when constructing slab.
3. Set up reinforcing bars for the bonding portion of slab when constructing diaphragm wall.

REVISION	DATE	DESCRIPTION		CONSULTANT JICA DESIGN TEAM (MIRFP/JDT)			NORTH SOUTH RAILWAY PROJECT SOUTH LINE (COMMUTER) CP 5-00b FTI STATION REINFORCEMENT DETAILS SECTION E-E	DATE
01	2021-03-01	Issue for Bidding			TITLE DESIGNER CHECK TRANSLATOR PM MANAGER	JDT K. FURUKA H. TOMIYAMA H. OGUNAWA S. IWANAGA		CHK M. KITAHARA T. NAKA T. MIYOTA K. MURATA