



General Bid Bulletin No. 29
04 June 2021

IFB No. 20-031-6

SOUTH COMMUTER RAILWAY PROJECT
FOR PACKAGES CP S-04, CP S-05, CP S-06, AND CP S-07;
CONSTRUCTION OF CIVIL STRUCTURES: VIADUCTS, BRIDGES,
NINE STATIONS (9) AND DEPOT

TO ALL PROSPECTIVE BIDDERS:

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

1. **Annex "A"** – CP S-04 to 07 Responses to Clarifications Requests (Batch 18)

For your information and guidance.

For the Bids and Awards Committee VI,

SIGNATURE REDACTED

WEBSTER M. LAUREÑANA

Chairperson

CP S04-07 Responses to Clarification Requests (Batch 18)

Package	Type (Contractual/Technical)	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	Technical	3	Sec.6-III Supplementary Information	Page 12	Relocation of Utilities	-	According to the referred clause, the existing utility relocations (Power, Telecom, Water, Oil&Gas) are planned to be executed from Sep. 2020 to June 2021. Please confirm it.	Bidder is advised that further information regarding land access was issued in Addendum 4.
S-06	Technical	3	Sec.6-III Supplementary Information	Page 12	Relocation of Utilities	-	According to the referred clause, the existing utility relocations (Power, Telecom, Water, Oil&Gas) are planned to be executed from Sep. 2020 to June 2021. Please confirm it.	It is the Employer's intention to arrange the re-routing/diversion of existing utilities in advance of release of batches of land to the Civils Contractor. Additional information regarding land access was issued in Addendum 4.
S-06	Technical	3	Part III / Section 8 - Particular Conditions of Contract	PCC 1	2.1	As notified by the Employer, pursuant to a Site Access Delivery Schedule. This Schedule will form part of the Contract and its priority shall be governed by GCC Sub-Clause 1.5 (i)	The Bidder understands that the Employer will submit the Site Access Delivery Schedule, the submission of the same is unknown when these clarification questions are raised and transmitted to the Employer. The Bidder queries whether the Employer plans to get the contractor to have exclusive access to the Site with no hindrance, i.e. full possession.	Bidder is advised that further information regarding land access was issued in Addendum 4.
S-05	Technical	3	2.1, PCC, Supplementary Information	-	-	Site access	Could you kindly provide an update on situation/progress regarding: - RAP. - Land Acquisition. - Site Access Delivery Schedule. - Realignment of the PNR	1. Bidder is advised that further information regarding land access was issued in Addendum 4. 2. Bidder is advised that PNR track relocation works will be completed before Commencement of Works. Bidder shall refer to Scope of Works 1.3, 2.1 (1)
S-06	Technical	3	2.1, PCC, Supplementary Information	-	-	Site access	Could you kindly provide an update on situation/progress regarding: - RAP. - Land Acquisition. - Site Access Delivery Schedule. - Realignment of the PNR	1. Bidder is advised that further information regarding land access was issued in Addendum 4. 2. Bidder is advised that PNR track relocation works will be completed before Commencement of Works. Bidder shall refer to Scope of Works 1.3, 2.1 (1)
S-04	Technical		General			"Supplementary Information" key works "PCC" Summary of Key dates "PCC" 1.1.3.3 Time for Completion of the Works	Considering the "Time for completion of the Works" and Key-dates, it is expected that many work place with fully available site in the ROW should be opened when the project commenced Thus bidder want to know about the status of below early-works and updated detail schedule 1. Resettlement Action Plan (RAP) 2. Land Acquisition 3. Relocation of Utilities 4. Realignment of the Philippines National Railway (PNR) 5. Demolitions and please clarify that bidder's following understanding is right, "all sections of PNR relocation work are completed before the commencement date and the site is delivered to the contractor."	1. Bidder is advised that further information regarding land access was issued in Addendum 4. 2. & 4. Bidder is advised that PNR track relocation works will be completed before Commencement of Works. Bidder shall refer to Scope of Works 1.3, 2.1 (1), and Supplementary Information 3. It is the Employer's intention to arrange the re-routing/diversion of existing utilities in advance of release of batches of land to the Civils Contractor. Additional information regarding land access was issued in Addendum 4.

CP S04-07 Responses to Clarification Requests (Batch 18)

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S-05	Technical		General			"Supplementary Information" key works "PCC" Summary of Key dates "PCC" 1.1.3.3 Time for Completion of the Works	Considering the "Time for completion of the Works" and Key-dates, it is expected that many work place with fully available site in the ROW should be opened when the project commenced Thus bidder want to know about the status of below early-works and updated detail schedule 1. Resettlement Action Plan (RAP) 2. Land Acquisition 3. Relocation of Utilities 4. Realignment of the Philippines National Railway (PNR) 5. Demolitions and please clarify that bidder's following understanding is right, "all sections of PNR relocation work are completed before the commencement date and the site is delivered to the contractor."	1. Bidder is advised that further information regarding land access was issued in Addendum 4. 2. & 4. Bidder is advised that PNR track relocation works will be completed before Commencement of Works. Bidder shall refer to Scope of Works 1.3, 2.1 (1), and Supplementary Information 3. It is the Employer's intention to arrange the re-routing/diversion of existing utilities in advance of release of batches of land to the Civils Contractor. Additional information regarding land access was issued in Addendum 4.
S-06	Technical		General			"Supplementary Information" key works "PCC" Summary of Key dates "PCC" 1.1.3.3 Time for Completion of the Works	Considering the "Time for completion of the Works" and Key-dates, it is expected that many work place with fully available site in the ROW should be opened when the project commenced Thus bidder want to know about the status of below early-works and updated detail schedule 1. Resettlement Action Plan (RAP) 2. Land Acquisition 3. Relocation of Utilities 4. Realignment of the Philippines National Railway (PNR) 5. Demolitions and please clarify that bidder's following understanding is right, "all sections of PNR relocation work are completed before the commencement date and the site is delivered to the contractor."	1. Bidder is advised that further information regarding land access was issued in Addendum 4. 2. & 4. Bidder is advised that PNR track relocation works will be completed before Commencement of Works. Bidder shall refer to Scope of Works 1.3, 2.1 (1), and Supplementary Information 3. It is the Employer's intention to arrange the re-routing/diversion of existing utilities in advance of release of batches of land to the Civils Contractor. Additional information regarding land access was issued in Addendum 4.
S-04	Technical	2	Vol.2 Sec.6 IA Scope of Works Appendix 3	SOW-20	Work in connection with Utility Diversions / Relocation	-	In the referred section, Work in connection with Utility Diversions / Relocation is to be advised. Please provide detail information of it.	It is the Employer's intention to arrange the re-routing/diversion of existing utilities in advance of release of batches of land to the Civils Contractor. Additional information regarding land access was issued in Addendum 4.
S-05	Technical	2	Vol.2 Sec.6-IB GS	GS3	GS103 Possession of Site and Contractor's Mobilization	...Where site possession is not available across the whole of the works, the Employer may give possession on a staged basis where portions are available. Full site possession will be given not later than 12 months after the initial staged possession has commenced. The Contractor shall revise the Detailed Works Program to reflect the staging of works to align with the available possession...	With the condition in the reference text, the detailed existing utility relocation schedule is essential information to reflect the staging of works to align with the available possession. Without the detailed utility relocation schedule, it is not practically possible to make a reasonable construction programme which can achieve the challenging Key Dates of the Project. In this regard, please provide the exiting utility relocation schedule (with specific description of the delayed scitons) to bidders for their reliable proposal.	It is the Employer's intention to arrange the re-routing/diversion of existing utilities in advance of release of batches of land to the Civils Contractor. Additional information regarding land access will issued in Addendum 4.
S-05	Technical	2	Vol.2 Sec.6 IA Scope of Works Appendix 3	SOW-22	Work in connection with Utility Diversions / Relocation	-	In the referred section, Work in connection with Utility Diversions / Relocation is to be advised. Please provide detail information of it.	It is the Employer's intention to arrange the re-routing/diversion of existing utilities in advance of release of batches of land to the Civils Contractor. Additional information regarding land access was issued in Addendum 4.

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Packages	Type (Contractual/Technical)	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	Technical	2	Vol.2 Sec.6-IB GS	GS3	GS103 Possession of Site and Contractor's Mobilization	...Where site possession is not available across the whole of the works, the Employer may give possession on a staged basis where portions are available. Full site possession will be given not later than 12 months after the initial staged possession has commenced. The Contractor shall revise the Detailed Works Program to reflect the staging of works to align with the available possession...	With the condition in the reference text, the detailed existing utility relocation schedule is essential information to reflect the staging of works to align with the available possession. Without the detailed utility relocation schedule, it is not practically possible to make a reasonable construction programme which can achieve the challenging Key Dates of the Project. In this regard, please provide the exiting utility relocation schedule (with specific description of the delayed sections) to bidders for their reliable proposal.	<i>It is the Employer's intention to arrange the re-routing/diversion of existing utilities in advance of release of batches of land to the Civils Contractor. Additional information regarding land access was issued in Addendum 4.</i>
S-06	Technical	2	Vol.2 Sec.6 IA Scope of Works Appendix 3	SOW-21	Work in connection with Utility Diversions / Relocation	-	In the referred section, Work in connection with Utility Diversions / Relocation is to be advised. Please provide detail information of it.	<i>It is the Employer's intention to arrange the re-routing/diversion of existing utilities in advance of release of batches of land to the Civils Contractor. Additional information regarding land access was issued in Addendum 4.</i>
S-04	Technical	-	Site Data - SCRP Vol.2 Sec.6 IB Appendix 7 PNR-2 to 4;	-	Item 4 PNR Track Relocation Program	-	The relocation done by PNR has started since October 2020 last year and target to complete in April 2021 for CP S-04 to CP S-07. The site will hand over to the contractor after 2 months, start from the date after completed the relocation. a) Table 11-1 Implementation Schedule from RAP documents; and Vol. 1 Part I - Bidding Procedures Section 4 - Bidding Forms BF 37 "Engineer's Concept Program", show a difference date for land handover to the contractor. Please clarify b) The site handover to Contractor in Section 6 Supplementary Information page 5 is on 1 September 2021. This date is also difference with PNR Track Relocation Program, RAP Implementation Schedule and Engineer Concept Program. Pleas Clarify	<i>Bidder is advised that further information regarding land access was issued in Addendum 4.</i>
S-06	Technical	2	Vol 2, Section 6	GS3	GS 103.1 Possession of site and access	-	We understand that the Employer may give possession on a staged basis where portions are available. Full site possession will be given not later than 12 months after the initial staged possession has commenced. We think that it is the essential information to align with construction sequences and program during tender stage so please kindly provide updated site possession schedule with related information. In addition, please clarify the contractor shall be entitled to extension of time, cost and profit if the staged possession is delayed.	<i>Bidder is advised that further information regarding land access was issued in Addendum 4. Any Extension of Time claims will be dealt with utilising the appropriate clauses in the FIDIC Contract.</i>
S-07	Technical	2	Vol 2, Section 6	GS3	GS 103.1 Possession of site and access	-	We understand that the Employer may give possession on a staged basis where portions are available. Full site possession will be given not later than 12 months after the initial staged possession has commenced. We think that it is the essential information to align with construction sequences and program during tender stage so please kindly provide updated site possession schedule with related information. In addition, please clarify the contractor shall be entitled to extension of time, cost and profit if the staged possession is delayed.	<i>Bidder is advised that further information regarding land access was issued in Addendum 4. Any Extension of Time claims will be dealt with utilising the appropriate clauses in the FIDIC Contract.</i>

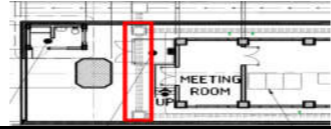
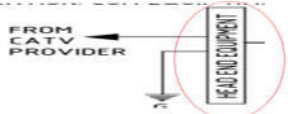
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S-07	Technical	2	Volume 2 Section 6	-	-	-	We refer to "Access to Sites" information mentioned in Supplementary Information. It says "The first contractor on site will need to provide a haul road formation for use of both Contractors." Please clarify the first contractor is going to be S-06 or S-07.	<i>Bidder is referred to Addendum 6 Supplementary Information.</i> <i>"The Contractor for S-06 will be required to give 24/7 access from day one of the contract to S-07 Contractor for 300+ truck movements each way per day through Villa Palao Road with extending southward. It is CP S-07 Contractor's responsibility to construct and maintain the haul road until handing over back to CP S-06 Contractor for permanent road construction."</i>
S-05	Technical	2	Volume 2, Specification TS 700	-	711.3.1	The lift steelwork shall be bonded to the lighting protection system. Curtain wall shall be properly earthed to the building lightning protection system.	Bonding of metallic materials is specified in neither Drawings nor BOQ. Please advise the item where bonding of metallic materials is included.	<i>For grounding and bonding, refer to notes in the earthing installation layout plans and earthing schematic(Sample reference for one station is NSRP-DWG-ALA-EL-5101/5103 revision 21.1,NSRP-DWG-ALA-EL-5104 revision 21.2</i> <i>Confirmed, the bonding of extraneous metallic materials shall be included.</i> <i>The lift steel works bonding shall be included in the cost for pay items of elevator under Bill No. 4-1, 4-2 & 4-3. The curtain wall earthing shall be included in the cost for pay items of curtain walls under Bill No. 4-1, 4-2 & 4-3.</i>
S-06	Technical	2	Volume 2, Specification TS 700	-	711.3.1	The lift steelwork shall be bonded to the lighting protection system. Curtain wall shall be properly earthed to the building lightning protection system.	Bonding of metallic materials is specified in neither Drawings nor BOQ. Please advise the item where bonding of metallic materials is included.	<i>For grounding and bonding, refer to notes in the earthing installation layout plans and earthing schematic(Sample reference for one station is NSRP-DWG-ALA-EL-5101/5103 revision 21.1 ,NSRP-DWG-ALA-EL-5104 revision 21.2)</i> <i>Confirmed, the bonding of extraneous metallic materials shall be included.</i> <i>The lift steel works bonding shall be included in the cost for pay items of elevator under Bill No. 4-1, 4-2 & 4-3. The curtain wall earthing shall be included in the cost for pay items of curtain walls under Bill No. 4-1, 4-2 & 4-3.</i>

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S-05	Technical	-	GS 103.1, GS113.1 and Bidding Forms - Programming Proposals - Construction Schedule,	-	Clause 2. Access and Possession of Site.	<p>GS 103.1 states: “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.”;</p> <p>Additionally, GS113.1.1 states: “If any such utilities are discovered during the course of the Works, the Contractor shall immediately secure the area affected to ensure that no member of the workforce or the public may enter and shall bring the matter to the attention of the Engineer who shall thereupon issue further instructions.”</p> <p>On the other hand, Bidding Forms - Programming Proposals - Construction Schedule, Clause 2 states: “It is unlikely that the whole of the rerouting will be completed, so the Bidder should allow in the Initial Program for all of the rerouting required and the work will be covered by a Provisional Sum to be expended as the Employer directs.”</p>	<p>The Bidder’s interpretation of GS103 is that, in circumstances where the Employer has been unable to relocate all of the utilities prior to Award of the Contract, the Employer will retain the responsibility of managing the diversion / relocation of these utilities by location prior to commencing the Works for that location and that the Employer and the Contractor will jointly assess the time and cost implications of the additional requirement for interface and coordination. Upon agreement of time and cost implications the parties will incorporate the required changes into the contract documents.</p> <p>Furthermore, the Bidder’s interpretation of GS113 is that it is intended to deal with unexpected utilities which were unknown to the parties prior to its discovery. This seems to be consistent with the BOQ and the definition given under PS-3.</p> <p>However, the Bidder’s interpretation of Bidding Forms is that the contractor should assume in its programme the worst case scenario where zero utilities are relocated by others prior to Commencement Date and the contractor will need to relocate all utilities under the Provisional Sum as directed by the Engineer. This interpretation seems to be in contradiction with all of the above and the intention of PS-3, and the Contractor does not consider possibility to allow for the initial programme to include the relocation of these utilities.</p> <p>Question 1) - please confirm how the bidder shall interpret the operation of these two clauses [i.e., (GS 103.1 together with GS113) and (Bidding Forms - Programming Proposals - Construction Schedule, Clause 2)] which appear to be inconsistent and contradicts each other.</p>	<p><i>It is the Employer's intention to arrange the re-routing/diversion of existing utilities in advance of release of batches of land to the Civils Contractor. Additional information regarding land access was issued in Addendum 4.</i></p>
S-06	Technical	-	GS 103.1, GS113.1 and Bidding Forms - Programming Proposals - Construction Schedule,	-	Clause 2. Access and Possession of Site.	<p>GS 103.1 states: “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.”;</p> <p>Additionally, GS113.1.1 states: “If any such utilities are discovered during the course of the Works, the Contractor shall immediately secure the area affected to ensure that no member of the workforce or the public may enter and shall bring the matter to the attention of the Engineer who shall thereupon issue further instructions.”</p> <p>On the other hand, Bidding Forms - Programming Proposals - Construction Schedule, Clause 2 states: “It is unlikely that the whole of the rerouting will be completed, so the Bidder should allow in the Initial Program for all of the rerouting required and the work will be covered by a Provisional Sum to be expended as the Employer directs.”</p>	<p>The Bidder’s interpretation of GS103 is that, in circumstances where the Employer has been unable to relocate all of the utilities prior to Award of the Contract, the Employer will retain the responsibility of managing the diversion / relocation of these utilities by location prior to commencing the Works for that location and that the Employer and the Contractor will jointly assess the time and cost implications of the additional requirement for interface and coordination. Upon agreement of time and cost implications the parties will incorporate the required changes into the contract documents.</p> <p>Furthermore, the Bidder’s interpretation of GS113 is that it is intended to deal with unexpected utilities which were unknown to the parties prior to its discovery. This seems to be consistent with the BOQ and the definition given under PS-3.</p> <p>However, the Bidder’s interpretation of Bidding Forms is that the contractor should assume in its programme the worst case scenario where zero utilities are relocated by others prior to Commencement Date and the contractor will need to relocate all utilities under the Provisional Sum as directed by the Engineer. This interpretation seems to be in contradiction with all of the above and the intention of PS-3, and the Contractor does not consider possibility to allow for the initial programme to include the relocation of these utilities.</p> <p>Question 1) - please confirm how the bidder shall interpret the operation of these two clauses [i.e., (GS 103.1 together with GS113) and (Bidding Forms - Programming Proposals - Construction Schedule, Clause 2)] which appear to be inconsistent and contradicts each other.</p>	<p><i>It is the Employer's intention to arrange the re-routing/diversion of existing utilities in advance of release of batches of land to the Civils Contractor. Additional information regarding land access was issued in Addendum 4.</i></p>

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S-07	Technical	1A	Vol.1A Sec.4A BOQ	BOQ Bill No.2 Part D	STRUCTURAL WORKS	Bored Pile	BOQ does not include Bored Pile (1200mmØ). Please clarify this missing item which length measured to be around 200m. Please confirm whether BOQ is to be revised during bidding stage, or to be updated later after IFC issued.	1)The Bidder is advised that Bored Pile (1200mmØ) - is "Not Applicable to CP S-07, Bill No. 2. 2)The required Bored Pile as per contract documents (i.e.: BOQ, Drawings & Technical Specifications), are the 1000mmØ & the 1500mmØ Bored Piles. Please refer to the Updated BOQ which was issued as Addendum 5.
S-05	Technical	-	GS 103	-	103.1 Possession of Site and Access	Such possession and access shall be made available to the Contractor on the date for Commencement of Works as established under GCC 8.1. Where site possession is not available across the whole of the works, the Employer may give possession on a staged basis where portions are available. Full site possession will be given not later than 12 months after the initial staged possession has commenced. The Contractor shall revise the Detailed Works Program to reflect the staging of Works to align with the available possession at no additional cost.	From the reference text appeared in GS103.1, please clarify the following: (1) The Full site possession will be given to the Contractor after 12 months from the Commencement of Works as established under GCC 8.1. (2) The Full site possession given to the Contractor means that the relocation of the PNR track must take place in advance before the Full site access.	Bidder is advised that further information regarding land access was issued in Addendum 4.
S-06	Technical	-	GS 103	-	103.1 Possession of Site and Access	The Philippines...has the right to operate works and freight trains in addition to passenger trains over the whole Right of Way. These services will remain in operation throughout the program of the Works, so some areas of the Site which are contained within the PNR Right of Way will remain dedicated to PNR's operations and will not be available to the Contractor for his use.	The Bidder understands that, within the RoW given to the Contractor, some areas will be dedicated to PNR's operations. Here, the Bidder was not clear about some areas of the Site (i.e., within the RoW for the Contractor) associated with PNR's operations. Does 'some areas of the Site associated with PNR's operations (refer to the reference text)' only include the temporary PNR track or not? If not, the Bidder would like the Client kindly to provide the details on the area dedicated to PNR's operations within the RoW for the Contractor.	Bidder is advised that further information regarding land access was issued in Addendum 4.
S-06	Technical	-	GS 103	-	103.1 Possession of Site and Access	Such possession and access shall be made available to the Contractor on the date for Commencement of Works as established under GCC 8.1. Where site possession is not available across the whole of the works, the Employer may give possession on a staged basis where portions are available. Full site possession will be given not later than 12 months after the initial staged possession has commenced. The Contractor shall revise the Detailed Works Program to reflect the staging of Works to align with the available possession at no additional cost.	From the reference text appeared in GS103.1, please clarify the following: (1) The Full site possession will be given to the Contractor after 12 months from the Commencement of Works as established under GCC 8.1. (2) The Full site possession given to the Contractor means that the relocation of the PNR track must take place in advance before the Full site access.	Bidder is advised that further information regarding land access was issued in Addendum 4.
S-06	Technical	2	Volume 2 & Section 6 (II Drawings)	-	SS15-AR-3101		Drawing indicated layout as highlighted. →Kindly clarify if this is under Substations scope. If yes kindly provide BoQ item and the required specification and detail drawings .	Please refer to the drawing SS15-ST-4001, 4201, 4301, 4302, 4311 and 4312. BoQ No.6.1 is provided for SS-15.
S-07	Technical		Vol. 1A Sec.4A BOQ 20210118		CATV System BOQ Bill no. 4-1.1		The BOQ Item CATV Equipment - Headend Equipment is provided by Digital Cable TV Provider. Kindly confirm scope by others.	The Headend Equipment shall be the scope of the Civil Works contractor, Please refer to the Updated BOQ, Bill No. 4-1.1, Item D709(1)d. Updated BOQ was issued as Addendum 5.

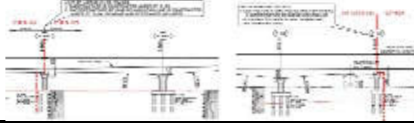
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S-05	Technical		Vol.2.2	NSRP-DWG-SPO-EL-5701	Fire Detection & Alarm System Schematic Diagram		We need clarification showing fire alarm wiring schedule from FAAP to Horn/Call button on fire alarm schematic diagram as below. - (Station) C : 1.25mm ² STP SFRC 20mmΦ IMC - (Depot) D : 2-2.0mm ² TW 20mmΦ EMT (NSRP-DWG-OCC-EL-5681) Please confirm which cable schedule we have to consider it.	C : 1.25mm² STP SFRC 20mmΦ IMC is the size/type of cable to be used from FAAP to Horn/Call button. Refer to NSRP-DWG-OCC-EL-5681 revision 21.3 in Addendum 4
S-06	Technical		Vol. 2.2	NSRP-DWG-CAB-EL-5701	Fire Detection & Alarm System Schematic Diagram		We need clarification showing fire alarm wiring schedule from FAAP to Horn/Call button on fire alarm schematic diagram as below. - (Station) C : 1.25mm ² STP SFRC 20mmΦ IMC - (Depot) D : 2-2.0mm ² TW 20mmΦ EMT (NSRP-DWG-OCC-EL-5681) Please confirm which cable schedule we have to consider it.	C : 1.25mm² STP SFRC 20mmΦ IMC is the size/type of cable to be used from FAAP to Horn/Call button. Yes.Refer to NSRP-DWG-OCC-EL-5681 revision 21.3 in Addendum 4
S-04	Technical		Volume 2 - Section 6 Appendix 15 BIM Information Management Flow	22	2.8 Linear Viaduct	Infrastructure As-Built Model	Please confirm how the information of the underground utilities will be surveyed	Information of known underground utilities shall be provided by the Employer.
S-04	Technical		Vol. 2 Sec.6 IB GS	GS 116	131.9 Digging and Excavating	When any digging or excavating is to take place adjacent to the PNR safety zones, consideration shall be given to ensure the stability of the ground and the existing railway in the PNR safety zones.	It is mentioned that the Contractor shall give consideration to ensure the stability of the existing PNR when excavating take place adjacent to the PNR safety zone. The temporary excavation work for pile cap shall be carried out adjacent to existing PNR. In order to ensure the stability of the existing PNR, the Bidder kindly request requirements or specifications for PNR safety, such as differential settlement etc..	There is no particular specification for PNR track stability. Bidders are advised to refer to any prevailing international standards for allowable settlement/movement of standard ballast track. The Contractor shall be required to prepare necessary precaution in order to avoid any damages caused to PNR track in accordance with the requirement in GS 131. If any damage will be caused by the Contractor, then the Contractor shall be required to reinstate to the original condition and to get inspection by PNR prior to commencement of operation by PNR.
S-05	Technical		Vol. 2 Sec.6 IB GS	GS 116	131.9 Digging and Excavating	When any digging or excavating is to take place adjacent to the PNR safety zones, consideration shall be given to ensure the stability of the ground and the existing railway in the PNR safety zones.	It is mentioned that the Contractor shall give consideration to ensure the stability of the existing PNR when excavating take place adjacent to the PNR safety zone. The temporary excavation work for pile cap shall be carried out adjacent to existing PNR. In order to ensure the stability of the existing PNR, the Bidder kindly request requirements or specifications for PNR safety, such as differential settlement etc..	There is no particular specification for PNR track stability. Bidders are advised to refer to any prevailing international standards for allowable settlement/movement of standard ballast track. The Contractor shall be required to prepare necessary precaution in order to avoid any damages caused to PNR track in accordance with the requirement in GS 131. If any damage will be caused by the Contractor, then the Contractor shall be required to reinstate to the original condition and to get inspection by PNR prior to commencement of operation by PNR.


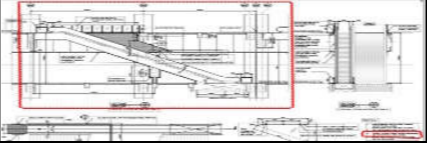
CP S04-07 Responses to Clarification Requests (Batch 18)

Packages	Type (Contractual/Technical)	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-06	Technical		Vol. 2 Sec.6 IB GS	GS 116	131.9 Digging and Excavating	When any digging or excavating is to take place adjacent to the PNR safety zones, consideration shall be given to ensure the stability of the ground and the existing railway in the PNR safety zones.	It is mentioned that the Contractor shall give consideration to ensure the stability of the existing PNR when excavating take place adjacent to the PNR safety zone. The temporary excavation work for pile cap shall be carried out adjacent to existing PNR. In order to ensure the stability of the existing PNR, the Bidder kindly request requirements or specifications for PNR safety, such as differential settlement etc..	<i>There is no particular specification for PNR track stability. Bidders are advised to refer to any prevailing international standards for allowable settlement/movement of standard ballast track. The Contractor shall be required to prepare necessary precaution in order to avoid any damages caused to PNR track in accordance with the requirement in GS 131. If any damage will be caused by the Contractor, then the Contractor shall be required to reinstate to the original condition and to get inspection by PNR prior to commencement of operation by PNR.</i>
S-07	Technical		CP S-07 Volume 2, Book 1 Civil Drawing	NSRP-DWG-DEP-RD-1935	Construction Sequence	Sequence Stage 0 to Stage 5 NOTES:1. The contractor shall strictly follow this construction sequence, and submit method of statement at least two weeks prior to construction works, subject to the Engineer's approval.	The perimeter drain U-channel is to be constructed in front of retaining wall structure at 1.5m clearance offset from wall facing. Since the drawing NSRP-DWG-DEP-RD-1935 does not include construction sequence of perimeter drain channel, bidders may assume the channel construction has no impact on the construction of retaining wall in terms of displacement and stability. 1. Please confirm the perimeter drain U-channel construction sequence has no structural impact on the retaining wall construction. 2. Please add construction sequence of perimeter drain channel on NSRP-DWG-DEP-RD-1935. 3. There is no drawing provided for construction of Piled RC wall TYPE-2. Please add a drawing of construction sequence for TYPE-2 RC Piled Wall structure.	<i>The construction method and sequence shall be Contractor's responsibility. Any construction method and sequence indicated in the Drawings shall be indicative and for reference only.</i> <i>1. The effect of the excavation for the construction of U-channel on the retaining wall should be checked by the contractor. The time of construction should then be proposed by the Contractor and approved by the Engineer.</i> <i>2. As stated in the NOTES to NSRP-DWG-DEP-RD-1935, Bidder shall submit method of statement for approval by the Engineer after the construction method has been reviewed.</i> <i>3. As Piled RC wall TYPE-2 is not a special construction procedure, drawing of construction sequence has not been prepared.</i>
S-04	Technical		NSRP-DWG-VIA00-ST-0402	-	Crack Control Recommendations for Column and Headstock only		It is stated that "the steel formwork shall be removed no later than 48 hours and preferably during the day when the temperature is high and not early in the morning " It seems we shall interpret this not "Not later than" but "Not earlier than", please advise.	<i>This statement will be updated to reflect "the steel formwork shall be removed not earlier than 48 hours and preferably during the day when the temperature is high and not early in the morning "</i>
S-05	Technical		NSRP-DWG-VIA00-ST-0402	-	Crack Control Recommendations for Column and Headstock only		It is stated that "the steel formwork shall be removed no later than 48 hours and preferably during the day when the temperature is high and not early in the morning " It seems we shall interpret this not "Not later than" but "Not earlier than", please advise.	<i>This statement will be updated to reflect "the steel formwork shall be removed not earlier than 48 hours and preferably during the day when the temperature is high and not early in the morning "</i>
S-06	Technical		NSRP-DWG-VIA00-ST-0402	-	Crack Control Recommendations for Column and Headstock only		It is stated that "the steel formwork shall be removed no later than 48 hours and preferably during the day when the temperature is high and not early in the morning " It seems we shall interpret this not "Not later than" but "Not earlier than", please advise.	<i>This statement will be updated to reflect "the steel formwork shall be removed not earlier than 48 hours and preferably during the day when the temperature is high and not early in the morning "</i>

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S-07	Technical	Volume 2	Sec.6 ERQ		TS 100 - 31 104 Subgrade Preparation	104.1 The Work The works in this section shall consist of the preparation of the subgrade for the support of overlying structural layers. It shall extend to full width of the railway. Unless authorized by the Engineer, subgrade preparation shall not be done unless the Contractor is able to start the construction of the pavement structure immediately. 104.2 Material Requirements Unless otherwise stated in the Contract and except when the subgrade is in rock cut, all materials below subgrade level to a depth 150mm or to such greater depth as may be specified shall meet the requirements of Section 103.2, Material Requirements.	1) Please clarify Subgrade preparation work shall be applied to entire depot area (>20hectare) or limitedly to road area with PCCP. 2) Please confirm "Suitable Material" shall be used for subgrade layer which is not categorized into "Unsuitable Material" in accordance with 103.2 Material Requirement.	1. The Subgrade preparation work shall be applied to the Track area and the road area with PCCP. 2. Confirmed, The suitable material shall be used as subgrade layer materials which can be compacted in the manner as per specified, subject for testing and approval by an accredited material engineer on site.
S-07	Technical	Volume 2	Sec.6 ERQ		TS 201 Annex 201.1.1.1 Structure Excavation and Backfill	The measurement for structure excavation shall be the volume in "cubic meter" consisting of removal of all materials and furnishing of all equipment and soil stabilization necessary in construction of foundation for bridges, retaining wall and other structures for the execution of the work. Shored excavation measured by offset of 1 meter both side from the face of the structure and the total depth is measured from bottom of lean concrete up to the existing ground level. Open excavation is not applicable due to limited ROW.	1) We believe total depth of structural excavation is measured from bottom of crushed stone layer, NOT from bottom of lean concrete. Please confirm it. 2) Shored excavation is not feasible to shallow structures like drainage ditch, culvert and retaining wall foundation or etc and ROW is not the issue with such cases. Please provide measurement method for open excavation.	Please refer to the revised / updated Technical Specifications, TS 200_Annex A, Section 201, Sub-Section 201.1, Sub-Clause 201.1.1.1 Paragraph 2. Updated Technical Specifications, TS 200_Annex 2, was issued as Addendum 4.
S-07	Technical	Volume 2	Sec.6 ERQ	TS200-65	TS 204 204.3.8 Access Tubes for Cross hole sonic logging testing	Access Tubes for cross-hole sonic log testing shall be steel pipe of 3.6mm minimum wall thickness and at least 38.1mm inside diameter	NOTE No 6 in drawing NSRP-DWG-DEP-RD-1933 requires 50mm ID class C MS pipes for Sonic access tube material whereas 38.1mm DI is specified in Technical Specification. Please clarify which requirement will be applied.	NOTE No 6 in drawing NSRP-DWG-DEP-RD-1933 requires 50mm ID class C MS pipes for Sonic access tube material whereas 38.1mm is the minimum requirement as specified in Technical Specification. The 50mm ID class C MS Pipes of sonic access tube material is recommended size.
S-07	Technical	Volume 2	01_S07 ARCH CP S-07_01_AR_OCC		TS500 page.56 NSRP-DWG-OCC-AR-3101 OCC-AR-3301 Vapor proofing Water proofing		Regardless of requirements specified in T/S and plans(drawings), it seems that there are no pay items in the BOQ for external waterproofing on underground structure of OCC building. (For example, polyethylene sheet moisture barrier and etc.) Please confirm pay items of all external water proofing and vapor proofing are considered in the BOQ	It is confirmed that waterproofing is considered in the BOQ. Please refer to the updated BOQ, Bill No. 4-1.1, Part C.2, Waterproofing, Item D514(1). Updated BOQ shall be issued as Addendum 4. It is further confirmed that vapor proofing is considered in the concrete structures, as a subsidiary item and as applicable. Please refer to the Technical Specifications, TS 400, Section 405; Clauses 405.4.6 and 405.5.2.
S-04	Technical		Drawing		NSRP-DWG-VIA04-ST-0021, NSRP-DWG-VIA04-ST-0046		According to the drawing given in the ITB, P461 and P684 are to be constructed by Others (refer to the image provided within this clarification). Would the Client please kindly to provide the completion dates for these two piers?	CPS-03c shall give an access to CPS-04 on 730 days from the commencement of the Contract. CPS-05 shall give an access to CPS-04 on 730 days from the commencement of the Contract. Bidder is also referred to Bid Addendum 6.
S-04	Technical		Volume 2, Specification TS 700		715.2.13	Visitor Management system The system shall provide a facility to manage and track visitors to the facility. This shall include both visitors who are given access control cards and visitors who are merely escorted by employees.	Please confirm that Visitor management system is not under the Bidder's (i.e., Civil contractor) SoW and only items specified on drawings/BOQ are under the Bidder's SoW.	Visitor Management System is not in the Bidder's Scope of Work

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S-04	Technical		Tender Drawing 03_CP S-04_VIA00 CP S04-07 Responses to Clarification Request (GBB No. 21) dated April 20, 2021		Drawing No. NSRP-DWG-VIA00-ST-1651~	Clarification request: Only CP S-04 has no emergency staircase. Please clarify the reason why CP S-04 doesn't need emergency staircases. And somehow when it turns to be needed, is it possible to apply VO to the emergency staircases. Final Response: Please refer to Addendum 2 under GBB 16	Although the Client refers to Addendum 2 under GBB 16 for this inquiry, there is no emergency staircase for CP S-04. Please clarify if CP S-04 contains any emergency staircase or not.	CP S-04 does not contain any emergency staircase. The required distance between emergency exits (Station & Staircase) is maximum of 4km. The distance of stations in CP S-04 is less than 4km.
S-05	Technical		Volume 2, Specification TS 700		715.2.13	Visitor Management system The system shall provide a facility to manage and track visitors to the facility. This shall include both visitors who are given access control cards and visitors who are merely escorted by employees.	Please confirm that Visitor management system is not under the Bidder's (i.e., Civil contractor) SoW and only items specified on drawings/BOQ are under the Bidder's SoW.	Visitor Management System is not in the Bidder's Scope of Work
S-05	Technical		Drawing		NSRP-DWG-VIA05-ST-0048		According to the drawing given in the ITB, P1005 is to be constructed by Others (refer to the image provided within this clarification). Would the Client please kindly to provide the completion date for P1005?	CPS-06 shall give an access to CPS-05 on 730 days from the commencement of the Contract. Bidder is also referred to Bid Addendum 6.
S-06	Technical		Volume 2, Specification TS 700		715.2.13	Visitor Management system The system shall provide a facility to manage and track visitors to the facility. This shall include both visitors who are given access control cards and visitors who are merely escorted by employees.	Please confirm that Visitor management system is not under the Bidder's (i.e., Civil contractor) SoW and only items specified on drawings/BOQ are under the Bidder's SoW.	Visitor Management System is not in the Bidder's Scope of Work
S-06	Technical		Tender Drawing 03_CP S-04_VIA00 CP S04-07 Responses to Clarification Request (GBB No. 21) dated April 20, 2021		Drawing No. NSRP-DWG-VIA00-ST-1651~	Clarification request: Only CP S-04 has no emergency staircase. Please clarify the reason why CP S-04 doesn't need emergency staircases. And somehow when it turns to be needed, is it possible to apply VO to the emergency staircases. Final Response: Please refer to Addendum 2 under GBB 16	Although the Client refers to Addendum 2 under GBB 16 for this inquiry, there is no emergency staircase for CP S-04. Please clarify if CP S-04 contains any emergency staircase or not.	CP S-04 does not contain any emergency staircase. The required distance between emergency exits (Station & Staircase) is maximum of 4km. The distance of stations in CP S-04 is less than 4km.
S-06	Technical		Vol.2 02_Book 2(Architecture)_02_S06 ARCH		NSRP-DWG-STA-AR-3522		As shown NSRP-DWG-STA-AR-3522, the dimension of intermediate beam support should have been provided at structural drawings in the NOTE. Can you please provide which drawings have information of the Escalator dimension.	The escalator supplier shall design the structural framing of the escalator based on the structural parameters where this escalator will be installed. Bidder is referred to architectural sheet AR-3566 of all stations for the Schedule of Elevator and Escalator.
S-07	Contractual		Vol 3. Sec.8 PCC	PCC 7 PCC 8	Key Dates - KD 05-1 KD 06-1		What is the prerequisite activities from building E&M system for commencement of trial running? Is there any E&M maintenance and operation services required during system integration test?	The prerequisite activities for commencement of trial running shall be completed whole of the works except remedial and outstanding works which will not be affected. For the second question, Bidder is requested to further clarify their concern? Also please refer to updated Key Dates published under Bid Addendum No. 4
S-04	Bidding Related				Addendum	In various responses to clarifications till Bulletin 23, there is indication that Addendum 03 and 04 are also issued. But in all the bulletins till Bulletin no. 24 we could not find Addendum 03 and 04.	Kindly clarify whether these Addendums issued till date or not and if issued please help us to get it downloaded	The bidder is advised to refer in GBB No. 28.

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S-05	Bidding Related				Addendum	In various responses to clarifications till Bulletin 23, there is indication that Addendum 03 and 04 are also issued. But in all the bulletins till Bulletin no. 24 we could not find Addendum 03 and 04.	Kindly clarify whether these Addendums issued till date or not and if issued please help us to get it downloaded	<i>The bidder is advised to refer in GBB No. 28.</i>
S-06	Bidding Related						This refers to the forthcoming bidding scheduled on June 15, 2021 for CP S-06. Bidder would like to request for an extension of bid submission for at least another Thirty (30) days. Bidder honestly think that more time is required for the Bidders to study the new information that the Employer will issue as Addendum 3 and Addendum 4, and for Bidder to be able to prepare a responsive and competitive bid proposal.	<i>The bidder is advised to refer in GBB No. 27.</i>
S-04 S-05 S-06	Technical				General Bid Bulletin No. 25 Responses to Clarification Requests (Batch 16)	1. It is not possible for the bidder to use the existing PNR track.	Referring to the underlined sentence within the reference text, (1) Please clarify if there is any existing PNR track to be used during the course of the construction by the Bidder. (2) If the reply of (1) is YES, please specify (a) chainage where the existing track will be used, and (b) the time schedule associated with the use of the existing PNR track.	<i>All existing tracks including part of PNR track relocation will still be operational. If the bidder will use the tracks or share in the use of it for their hauling purposes, a separate lease agreement shall be arranged with PNR.</i>